

**ERRATA TO THE FINAL EIR  
ACADEMY MUSEUM OF MOTION PICTURES PROJECT**

**CASE NUMBER: ENV-2013-1531-EIR  
STATE CLEARINGHOUSE NUMBER: 2013051086**

Prepared by:

PCR Services Corporation  
June 2015



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# ERRATA – ACADEMY MUSEUM OF MOTION PICTURES PROJECT

## FINAL EIR

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### A. INTRODUCTION

PCR Services Corporation (“PCR”) has prepared this Errata to address minor design changes and refinements to the proposed Academy Museum of Motion Pictures Project (“Museum” or “Project”) and to clarify and supplement relevant information and analysis provided in the Final Environmental Impact Report,<sup>1</sup> (“Final EIR”) for the Project. The information provided herein does not represent significant new information that would affect the analysis or conclusions presented in the Draft EIR. CEQA requires recirculation of a Draft EIR only when “significant new information” is added to a Draft EIR after public notice of the availability of the Draft EIR has occurred (refer to California Public Resources Code Section 21092.1 and CEQA Guidelines Section 15088.5), but before the EIR is certified. Section 15088.5 of the CEQA Guidelines specifically states: “New information added to an EIR is not ‘significant’ unless the EIR is changed in a way that deprives the public of a meaningful opportunity to comment upon a substantial adverse environmental effect of the project or a feasible way to mitigate or avoid such an effect (including a feasible project alternative) that the project’s proponents have declined to implement. ‘Significant new information’ requiring recirculation includes, for example, a disclosure showing that:

- A new significant environmental impact would result from the project or from a new mitigation measure proposed to be implemented.
- A substantial increase in the severity of an environmental impact would result unless mitigation measures are adopted to reduce the impact to a level of insignificance.
- A feasible project alternative or mitigation measure considerably different from others previously analyzed would clearly lessen the significant environmental impacts of the project, but the project’s proponents decline to adopt it.
- The draft EIR was so fundamentally and basically inadequate and conclusory in nature that meaningful public review and comment were precluded.”

CEQA Guidelines Section 15088.5 also provides that “[r]ecirculation is not required where the new information added to the EIR merely clarifies or amplifies or makes insignificant modifications in an adequate EIR... A decision not to recirculate an EIR must be supported by substantial evidence in the administrative record.”

This information added to the Final EIR in this Errata does not contain significant new information that deprives the public of a meaningful opportunity to comment upon a substantial adverse effect environmental effect of the Project or a feasible way to mitigate or avoid such an effect that the Applicant has declined to adopt. Additionally, information provided in this Errata does not present a feasible Project alternative or mitigation measure considerably different from others previously analyzed in the Draft EIR. All of the information added to the Final EIR pursuant to this Errata merely clarifies, corrects, adds to, or makes

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<sup>1</sup> Case Number: ENV-2013-1531-EIR, State Clearinghouse Number: 2013051086.

insignificant modifications to information in the Draft EIR. The City has reviewed the information in this Errata and has determined that it does not change any of the basic findings or conclusions of the Final EIR, does not constitute “significant new information” pursuant to CEQA Guidelines Section 15088.5, and does not require recirculation of the Draft EIR.

This Errata, combined with the Draft EIR and Final EIR, including technical appendices and reports thereof, comprise the Final EIR.

## **B. ERRATA**

The following additional information comprises this Errata and includes minor design and operational changes and refinements to the Project that have been proposed since circulation of the Draft EIR and publishing of the Final EIR, as well as correspondence received from the City of Los Angeles, Bureau of Sanitation, Wastewater Engineering Services Division.

### **1. Sphere and View Deck**

As part of design refinements to the Project, more specificity has been provided regarding openings that would be provided in the Sphere and associated View Deck area for access, ventilation, and terrace areas. The View Deck’s design was generally characterized on page 2-2 of the Draft EIR as an enclosed space. The size of the View Deck, approximately 10,300 square feet, has not been increased.

Although the majority of the View Deck area would be covered, the sustainable design of the Sphere and View Deck would provide openings and small outdoor terrace spaces on the north, south and at the crown of the Sphere to allow for wind induced cross ventilation. The combination of cross ventilation with an internal shade system with a low-e coating would limit temperature extremes on the View Deck and reduce energy consumption. In summer, the View Deck environment would be comparable to the experience below a shade structure with a breeze. In winter, the temperatures on the View Deck would stay above the ambient by calibrating the solar gains with the thermal mass of the View Deck floor. A radiant floor system is being considered to fine tune the temperatures at floor level. The cross ventilation and solar radiation of the Sphere and View Deck during summer and winter are illustrated in the Environmental Strategies Diagram, included in Attachment A of this Errata.

The openings in the Sphere as now conceived have been assessed to address the potential for noise impacts to off-site receptors. The specifics of the noise evaluation are provided in a Supplemental Noise Analysis Memorandum, included as Appendix B of this Errata. As described therein, transparent acoustical absorbers below the glass and along the rear wall of the Sphere would improve the space acoustics and reduce the noise transfer to the outside from the View Deck, and, with the following Project Design Feature PDF-NOISE-5, Sphere and View Deck Outdoor Sound Amplification Limits, noise levels would be less than significant and less than the noise levels that had been predicted for outdoor events on the Piazza, which are also less than significant:

**PDF-NOISE-5, Sphere and View Deck Outdoor Sound Amplification Limits:** The final design and/or operation of the Sphere and View Deck space sound levels shall not exceed a performance standard of 74 dBA and 77 dBC at the outside edge of any openings to the structure covering the View Deck. Amplified sound and speakers shall be prohibited on

any terrace area of the Sphere should one be added in the final design, and occupancy of this area after 10 P.M. shall be prohibited.

## 2. Small Basement Theater

The design for the small theater located in the basement, as described on pages 2-12 and 2-13 of the Draft EIR, has been refined to accommodate stadium like “raked” seating and additional basement storage area beneath the theater. Although these changes would not alter floor area or the number of seats (275), which does not include basement storage area, there would be an increase in total excavation quantities, from 5,862 cubic yards of soil, as stated on page 4.D-15 of the Draft EIR to 12,837 cubic yards, as well as an increase in the depth of excavation in this area.

The potential for impacts associated with this increase in excavation has been evaluated as applies to construction air quality, greenhouse gas emissions, paleontological resources, archaeological resources, historical resources, geology and soils, hazards and hazardous materials, hydrology and water quality, construction noise (including construction vibration), and construction traffic.

Regarding potential air quality impacts during construction, the worst-case daily construction emission calculations provided in **Table 4.B.1-4, *Estimated Maximum Unmitigated Regional Construction Emissions***, of the Draft EIR would remain the same since the daily construction activity assumptions would not change. Although the duration of construction activities would increase by approximately three weeks, this would not alter the impact findings which are based on daily emission thresholds. As indicated on Table 4.B.1-4, impacts on regional emissions from construction activities would be less than significant.

Regarding greenhouse gas (“GHG”) emissions, Section 4.B.2, Greenhouse Gas Emissions, of the Draft EIR, determined that GHG emissions would result in less than significant impacts. The increase in the soil export volume and three weeks extended grading duration would result in slightly greater total construction-related GHG emissions of about 50 metric tons of carbon dioxide equivalents (“MTCO<sub>2e</sub>”). As discussed in Section 4.B.2, total construction-related GHG emissions are amortized over a project lifetime of 30 years. Therefore, the increase in the soil export volume and extended grading duration would result in an amortized increase in annual GHG emissions of about 2 MTCO<sub>2e</sub> per year. This would slightly increase the annual GHG emissions from approximately 5,751 MTCO<sub>2e</sub> per year to 5,753 MTCO<sub>2e</sub> per year. However, this increase would not substantially change the emissions and the Project’s emissions would still represent a meaningful reduction in GHG intensity when compared to the GHG emissions from a similar project built without the features incorporated into the proposed Project which result in substantial reductions in energy usage and trip generation. Thus, the reduction in GHG emissions, when compared to business as usual scenarios, would be consistent with and below the applicable thresholds of significance (GHG reduction targets compared to business-as-usual of approximately 28.4 percent under the 2008 Scoping Plan estimate, approximately 21.7 percent under the revised 2008 Scoping Plan estimate taking into account the economic recession, and approximately 15.8 percent under the 2011 Supplement to the Scoping Plan estimates).<sup>2</sup> The Project would result in GHG reductions of 30.1 percent, 30.1 percent, and 17.5 percent, compared to the previously analyzed reduction targets of 28.4 percent, 21.7 percent, and 15.8 percent, respectively. As a

<sup>2</sup> See Table 4.B.2-5, *Estimated Unmitigated Annual Greenhouse Gas Emissions, in the Draft EIR*.

result, the annual GHG emissions of the Project would be about the same as disclosed in the Draft EIR and GHG impacts would remain less than significant.

Regarding potential impacts on paleontological and archaeological resources, with an increase in excavation there would be increased potential to uncover paleontological and archaeological resources that could exist in native (undisturbed) sediments within the expanded excavation area. However, the extent of resources that may ultimately be encountered cannot be predicted and this increase in excavation would not change that basic findings in the Draft EIR that potential impacts on archaeological and paleontological resources would be significant and would require the incorporation of Mitigation Measures MM-PALEO 1, MM-PALEO-2, MM-PALEO-3, MM-ARCH-1, MM-ARCH-2, MM-ARCH-3, and MM-ARCH-4 identified in Chapter 4.0, Mitigation Monitoring and Reporting Program, of the Final EIR. However, even with the increase in excavation and increased potential to encounter resources, impacts on archaeological and paleontological resources following implementation of these mitigation measures would be less than significant, as stated in the Draft EIR.

Regarding potential impacts on historical resources, the daily excavation activity would remain the same; therefore, maximum vibration levels would not increase. With the incorporation of Project Design Feature PDF-NOISE-4, Construction Period Vibration Monitoring Plan presented in Chapter 4.0, Mitigation Monitoring and Reporting Program of the Final EIR, impacts on historical resources due to construction activities would remain less than significant, as stated in the Draft EIR.

Regarding impacts on geology and soils, hazards and hazardous materials, and hydrology and water quality increased excavation activity would increase the potential to intercept contaminated groundwater, contaminated soil, methane and hydrogen sulfide gases, and vapor encroachment during construction and increase the potential for subsurface gas migration into the Original Building. With the incorporation of Project Design Features PDF-HAZ-1, Health and Safety Plan; PDF-HAZ-2, Soil Management Plan; PDF-HAZ-3, Gas Mitigation and Monitoring System; PDF-HAZ-4, Operations and Maintenance Plan (“O&M Plan”); PDF-HAZ-5, Emergency Plan; and PDF-WQ-1, Construction Dewatering Discharge Analysis and Treatment identified in Chapter 4.0, Mitigation Monitoring and Reporting Program, of the Final EIR, impacts related to geology and soils, hazards and hazardous materials, and hydrology and water quality, which could increase in magnitude to a small degree depending on whether and how much contaminated soil or groundwater might ultimately be found within the specific excavation area, would remain less than significant, as stated in the Draft EIR.

Regarding potential construction noise impacts, the increased excavation activities would not result in greater noise impacts since the duration of construction activities would increase by approximately three weeks to ensure that the daily grading activity levels and number of haul trucks would be the same. The worst-case daily construction noise calculations provided in **Table 4.H-4, Estimate of Construction Noise Levels (Leq) at Off-Site Sensitive Receiver Locations**, of the Draft EIR would remain the same since the daily construction assumptions would not change. As indicated on Table 4.H-4, construction noise impacts, which are based on maximum daily construction activities, would be less than significant. Regarding potential construction vibration impacts, as previously described the maximum vibration levels would not increase since daily excavation activities would remain the same. Implementation of Project Design Feature PDF-NOISE-4, Construction Period Vibration Monitoring Plan, presented in Chapter 4.0, Mitigation Monitoring Program of the Final EIR, would ensure that vibration impacts would remain less than significant, as stated in the Draft EIR.



Regarding potential traffic impacts during construction, as previously described, the amount of truck traffic and nature of construction activities would be the same as analyzed in pages 4.J-31 through 4.J-33 of the Draft EIR, only the duration of construction activities would increase. Therefore, construction traffic impacts would remain less than significant with implementation of Project Design Feature PDF-TRAF-1, Construction Traffic Management Plan described in Chapter 4.0, Mitigation Monitoring and Reporting Program, of the Final EIR.

### **3. Museum Café and Museum Store**

While the overall amount of 9,000 square feet in floor area associated with the Museum Café and Museum Store as presented in the Draft EIR has not changed, the distribution of floor area between the two uses has changed. The floor area for the Museum Store has been reduced from 5,000 square feet to 3,000 square feet, and the Museum Café size has increased from 4,000 square feet to 6,000 square feet. As detailed in the Supplemental Traffic and Parking Analysis Memorandum included in Attachment C of this Errata with concurrence from the Los Angeles Department of Transportation (“LADOT”), the change in the distribution of square footage between the Museum Café and Museum Store would not result in any new traffic impacts that were not previously analyzed in Section 4.J, Transportation and Parking, based on the detailed Traffic Study for the Project and included in Appendix M-1, of the Draft EIR, and Topical Response TR-2, Traffic and Appendix B, Supplemental Traffic Analysis Memorandum of the Final EIR. Further, the small increase would still meet parking requirements of the code and the peak parking demand associated with the change in distribution of square footage would be accommodated through the shared use of the existing Los Angeles County Museum of Art (“LACMA”) facilities, operational measures to increase parking supply within the LACMA facilities, and available parking spaces within one or more of the parking facilities within the Museum Row area, all of which will be managed through the Parking and Traffic Management Plan (Project Design Feature PDF-TRAF-2, presented in the Draft and Final EIR). This minor change in the assignment of floor area would also not materially affect other calculations or other impact findings presented in the Draft EIR.

### **4. Operating Hours**

The operating hours of the Museum Café are now proposed to be 8:00 A.M. to 11:00 P.M. seven days a week; rather than coinciding with normal Museum hours of operation of 9:00 A.M. to 6:00 P.M., seven days a week; two late-night closings per week no later than 8:00 P.M. during the fall, winter, and spring, and no later than 10:00 P.M. during the summer, as stated on page 2-21 of the Draft EIR. In addition, weekday and weekend matinees for the general public could begin as early as 10:00 A.M., rather than the start time of 2:00 P.M. referenced on page 2-21 of the Draft EIR.

The changes in operational hours of the Museum Café would not result in any new traffic impacts that were not previously analyzed in Section 4.J, Transportation and Parking and Appendix M-1 of the Draft EIR and Topical Response TR-2, Traffic and Appendix B, Supplemental Traffic Analysis Memorandum of the Final EIR. Specifically, as described in Topical Response TR-2 and Appendix B of the Final EIR, trips generated during the A.M. peak hour included trips generated from the Museum Café (see Table 1 of the Supplemental Traffic Analysis Memorandum). As shown on Tables 4 and 5 of the Supplemental Traffic Analysis Memorandum, no significant impacts associated with the Project would occur during the A.M. peak hour.

The later operating hours of the Museum Café and earlier operating hours of the weekday and weekend matinees would not affect the results of the traffic analysis and Traffic Study, included in Section 4.J, Transportation and Parking, and Appendix M-1 of the Draft EIR, since trip generation is based on overall Museum operations (including the use of the Museum Café and theaters and a Design Day attendance of 5,000 visitors) and Theater Special Events (representing a maximum capacity of 1,350 attendees at all three theaters). To evaluate the potential range in operations of the Project, the Traffic Study included analysis of two operational scenarios: Museum and Theater Special Event. The Museum analysis included evaluation of the following peak operating conditions of the Museum: weekday midday and P.M. conditions, Friday midday and P.M. conditions, and weekend midday conditions. The Theater Special Event analysis was performed for the highest hour of the weekday and Friday pre-event peak period. Because the change in the operating hours of the Museum Café and matinees would not change the Design Day and Theater Special Event attendance levels or peak hour traffic conditions, no additional traffic impacts would occur.

As described on pages 4.J-54 through 4.J-59, in Section 4.J, Transportation and Parking (subsection 5) of the Draft EIR, development of the Project would result in significant and unavoidable intersection impacts at three Theater Special Event intersections (i.e., Fairfax Avenue and Sixth Street, Fairfax Avenue and Wilshire Boulevard, and La Cienega Boulevard/Le Doux Road and San Vicente Boulevard/Burton Way); one Museum Study intersection (Fairfax Avenue and Sixth Street); and four Museum Study intersections with Proposed City Bike Lane Improvements (Fairfax Avenue and Sixth Street, Curson Avenue and Sixth Street, Hauser Boulevard and Sixth Street, and Burnside Avenue and Sixth Street) after implementation of Project Design Feature PDF-TRAF-2 and Mitigation Measures MM-TRAF-1, MM-TRAF-2 and MM-TRAF-3.

Because the change in operational hours would not result in any notable changes in trip generation, there would also be no changes to the air quality and noise analyses presented in the Draft and Final EIR. All other impact areas analyzed in the Draft and Final EIR would remain unchanged.

## **5. Bureau of Sanitation Correspondence**

Since publication of the Final EIR one comment letter was received by the City of Los Angeles, Bureau of Sanitation, Wastewater Engineering Services Division (“WESD”), in response to the Notice of Completion and Availability of the Final Environmental Impact Report dated February 20, 2015. The correspondence is included in Attachment D, Correspondence from City of Los Angeles, Bureau of Sanitation (April 8, 2015) of this Errata. As further summarized below, this letter did not raise any new issues and was similar to the letter previously provided by the WESD dated September 14, 2015, and included in the Final EIR (Letter No. D1, Responses to Comments D1-1 through D1-7) and Appendix A, Original Comment Letters.

The WESD identified a projected wastewater discharge from the Project of 15,750 gallons per day (“GPD”). This estimate is slightly reduced from the previous WESD estimate provided in their letter dated September 15, 2014 of 16,386 GPD, since the previous estimate included 5,300 square feet of office use which is not proposed as part of the Project. The WESD also identified the current approximate flow level and design capacities of the sewer system in the surrounding area and provided a Sewer Map, included in Attachment D of this Errata. The WESD further indicated that the sewer system might be able to accommodate the total flow for the Project. WESD also stated that the sewage flow would be conveyed to the Hyperion Treatment Plant which has sufficient capacity for the Project.

Prior to the receipt of this recent correspondence and subsequent to the prior correspondence on the Draft EIR, a Sewer Capacity Availability Request (“SCAR”) for the Project was filed with the Bureau of Engineering. In response to this request, the Bureau of Sanitation approved the SCAR on November 19, 2014 and issued a Will Serve Letter, indicating that there is sufficient hydrologic capacity available in the local sewer system to handle the anticipated sewer discharge from the Project. The SCAR and Will Serve Letter are included as Appendix F, of the Final EIR. The approved SCAR is for a total flow of 13,386 GPD.<sup>3</sup> As stated in the recent SCAR, the Project would be served via a 15 inch diameter line in Fairfax Avenue. Although there is a 2,364 GPD discrepancy between the flows estimated in the SCAR and Will Serve Letter and the recent estimate from WESD due to differences between Bureau of Engineering and Bureau of Sanitation methodology and calculation factors, it is not expected to alter the determination in the Will Serve Letter that adequate sewer conveyance capacity will be available to serve the Project. Furthermore, as detailed in Attachment E, Supplemental Sewer Capacity Memorandum, recent analysis reinforces the findings in the SCAR and Will Serve Letter that the sewer lines that would serve the Project have adequate capacity. Nonetheless, adequate conveyance will be ensured through standard City practices, including the need for an updated SCAR prior to related permitting for the Project. The information provided in the WESD letter does not change the basic sewer conveyance capacity findings in the Final EIR and the Initial Study, included in Appendix A-2, of the Draft EIR.

The WESD correspondence also identified other issues such as stormwater requirements and solid resource requirements. These issues are the same as identified in the previous WESD correspondence dated September 15, 2014, and responded to in Responses to Comments D1-3 through D1-5 (regarding stormwater requirements) and Response to Comment D1-6 (regarding solid resource requirements) of the Final EIR. As stated therein regarding stormwater mitigation (post-construction), the Draft EIR addressed potential impacts in Section 4.F, Hydrology and Water Quality, with supporting data provided in Appendix I, Water Resources Report, of the Draft EIR. As described on pages 4.F-18 through 4.F-20 in Section 4.F, Hydrology and outlined in Appendix B, of the Draft EIR, the Project would meet Standard Urban Stormwater Mitigation Plan and Low Impact Development requirements and would implement stormwater mitigation Best Management Practices (“BMPs”), such as at-grade stormwater flow-through planters that would cover approximately 5 percent of the Project Site’s pervious area, and would collect runoff from building roof drains and hardscape areas. Regarding stormwater requirements during construction, as stated on page 4.F-18, of the Draft EIR, during construction a Storm Water Pollution Protection Plan would be prepared and associated BMPs would be implemented in compliance with National Pollution Discharge Elimination System General Construction Activity Permit (State Water Resources Control Board Order No. 2009-0009-DWQ). Regarding solid resource requirements, as described on page 4.B.2-28, in Section 4.B.2, Greenhouse Gas Emissions, as part of its United States Green Building Council LEED® Silver Certification or its equivalent process, the Project would provide on-site areas for the collection of recyclable materials.

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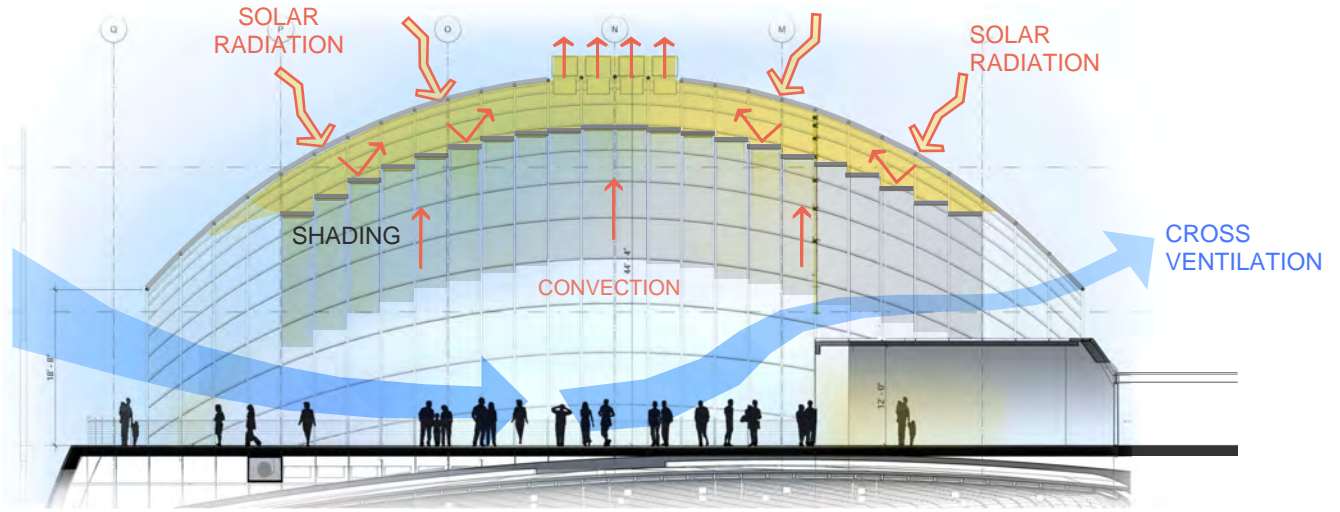
<sup>3</sup> *Differences between estimated flows in the recent SCAR and in the WESD correspondence are due to different modeling and generation assumptions used by the Bureau of Sanitation and Bureau of Engineering. The most recent estimates reflected in the SCAR were made by the Bureau of Engineering with an understanding of the flow estimates provided by Bureau of Sanitation.*



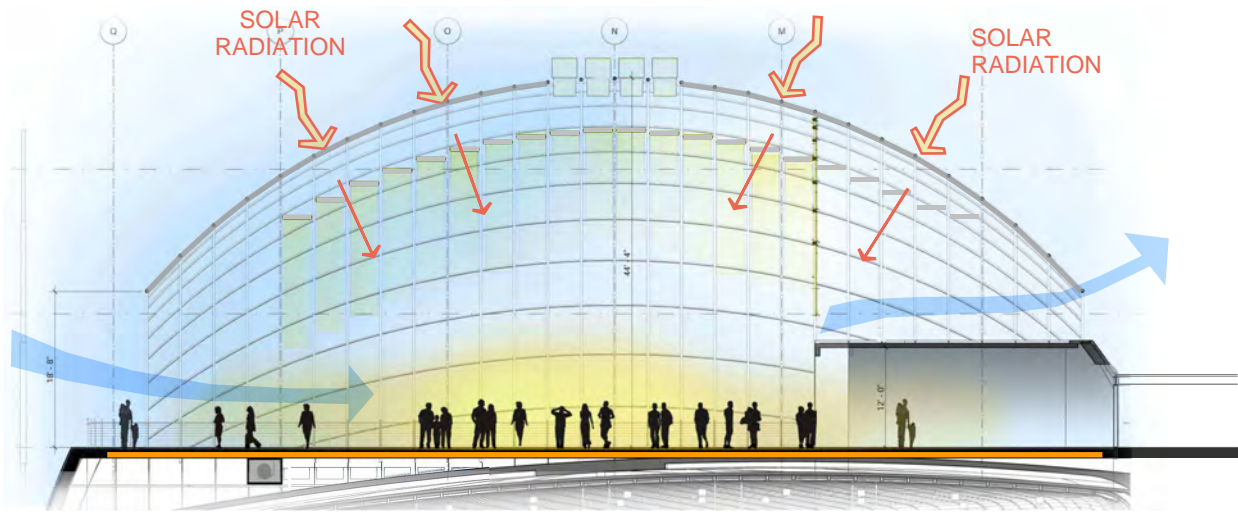
## Attachment A - Environmental Strategies Diagram

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**SUMMER**



**WINTER**





**Attachment B - Supplemental Noise Analysis Memorandum –  
View Deck (June 1, 2015)**

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## Memorandum

**TO:** Luciralia Ibarra, Department of City Planning, Environmental Analysis Section      **DATE:** June 1, 2015  
**FROM:** Jay Ziff, Project Manager  
Heidi Rous, Director of Air Quality, Climate & Acoustics  
Kyle Kim, Ph.D., Engineer  
**RE: ACADEMY MUSEUM OF MOTION PICTURES - SUPPLEMENTAL NOISE ANALYSIS FOR THE VIEW DECK**

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The View Deck was described on page 2-13, and depicted in Figure 2-4, North-South Section, Figure 2-5, East-West Section, and Figure 2-6, Museum Entrance and New Wing, in Chapter 2.0, Project Description of the Draft EIR. Regarding the potential for noise impacts associated with the View Deck, these were addressed on pages 4.H-23 and 4.H-24, in Section 4.H, Noise, of the Draft EIR. As discussed therein, the View Deck was generally described as an enclosed area with potential for noise-generating activities similar to those that would occur on the Piazza (amplified speech or music, low background music, personal speech, and applause), with a potential occupancy of up to approximately 1,200 attendees. Noise levels and impacts at sensitive receptor sites to the west and north of the Sphere (“New Wing”) were determined to be less than significant.

As part of design refinement for sustainability issues that has taken place since circulation of the Draft EIR, openings for Sphere ventilation and terrace areas (which would be accessible to visitors) have been identified, as well as the use and characteristics of acoustic panels that would absorb sound and reduce noise effects inside and outside of the Sphere. Although the Sphere and the View Deck will remain substantially enclosed, this memorandum has been prepared to assess the potential noise implications of these design refinements. More specifically, the potential noise effects at off-site sensitive receptors from hypothetical special events held in the View Deck area of the Sphere are evaluated. The noise analysis presented in this technical memorandum is based on design related information and Sphere drawing received March 23, 2015, included as Attachment A.

From the data provided, the structure covering the View Deck area would have a total surface area of approximately 26,000 square feet of glass and steel, approximately 9,500 square feet of deck area, and a total opening area of approximately 1,800 square feet. Our analysis (see Attachment B, Noise Reduction Calculations) indicated that noise reduction by the Sphere structure as currently presented would be approximately 5 dB based on the assumption that a minimum of 10% of interior surface area (2,600 sq. ft.) would be covered by sound absorption materials. If the interior surfaces of the Sphere would be covered with more absorption materials, noise reduction would be greater. For example, if 50% of interior surfaces of the Sphere would be covered with absorption materials, noise reduction would 9 dB.

In regards to related information provided in the Draft EIR, based on quantitative assessment of the maximum source of noise (the Piazza), the Draft EIR concluded event related noise impacts

# Memorandum

RE: **SUPPLEMENTAL NOISE ANALYSIS FOR THE VIEW DECK**



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would be less than significant with implementation of the following Project Design Features that are part of the Project and apply to outdoor areas:

**PDF-NOISE-1, Rooftop Terrace, Outdoor Sound Amplification Limits.** The event-related sound level (sound amplification) shall be limited to a maximum sound level of 90 dBA and 93 dBC at approximately 30 feet from the center of the screening area on the Rooftop Terrace.<sup>1</sup> Academy sound engineers/technicians will calibrate the sound system/speaker arrangement prior to each screening event.

**PDF-NOISE-2, Piazza, Outdoor Sound Amplification Limits.** The event-related sound level (sound amplification) shall be limited to a maximum sound level of 84 dBA and 87 dBC at approximately 30 feet from the boundary of the event area in the Piazza. Academy sound engineers/technicians will ensure the sound system is calibrated to these levels prior to each event and that speakers are oriented away from off-site receptors, and towards the Project Site buildings, to the extent possible.

**PDF-NOISE-3, Amplified Sound Curfew.** No amplified sound and/or music shall be allowed on the Project Site after 10 P.M.

With incorporation of the PDFs listed above, maximum event-related noise levels were predicted to be 73 dBA at the residential uses to the west of the project and 65 dBA at the residential uses to the north. These maximum impacts would be below the 75 and 66 dBA daytime (7 a.m. to 10 p.m.) thresholds, respectively. These impacts were predicted to occur during a maximally-attended special event in the open-air Piazza. A similar event held in the previously enclosed View Deck would have resulted in sound levels at least 15 dBA below the 73 dBA and 65 dBA impacts presented in the Draft EIR.

The highest noise-producing activities would occur within the enclosed or covered area of the View Deck. Thus, noise levels resulting from a major event held in the View Deck as designed today would be approximately 68 dBA at the residential uses to the west. Assuming a minimum of 10% sound absorption materials is included in the design of the View Deck, noise levels would be approximately 69 dBA at residential uses to the west. At the residential uses to the north, noise levels from a major event held in the View Deck would be approximately 62 dBA. If 50% sound absorption materials is provided in the View Deck, noise levels would be approximately 64 dBA at residential uses to the west and 57 dBA at residential uses to the north.

With the current design refinements for sustainability adding openings for ventilation and terrace areas, noise levels associated with events on the View Deck would still be at least 4 to 9 dBA below

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<sup>1</sup> C-weighted decibels are used to account for the low frequency below 1000 Hz noise and high noise levels (i.e., above 84 decibels). It is typically used in entertainment noise measurements to account for low-frequency sound and high sound levels.

Memorandum

RE: SUPPLEMENTAL NOISE ANALYSIS FOR THE VIEW DECK



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the less-than-significant impacts predicted from events in the Piazza. However, depending on the final design, including the precise size and locations of the openings, extent of acoustical features, and the orientation and specifications associated with the sound system (if incorporated into the space), there is potential that unrestricted amplified sound within the View Deck at certain levels could have an impact on nearby sensitive receptors. Therefore, a Project Design Feature, similar to what is proposed for the Piazza and other outdoor areas, has been added to the Project as presented below, to preclude the potential for significant noise impacts.

**PDF-NOISE-5, Sphere and View Deck Outdoor Sound Amplification Limits.** The final design and/or operation of the Sphere and View Deck space and associated sound levels shall not exceed a performance standard of 74 dBA and 77 dBC at the outside edge of any openings to the structure covering the View Deck. Amplified sound and speakers shall be prohibited on any terrace area of the Sphere should one be added in the final design, and occupancy of this area after 10:00 P.M. shall be prohibited.

Attachment A: Sphere Drawing

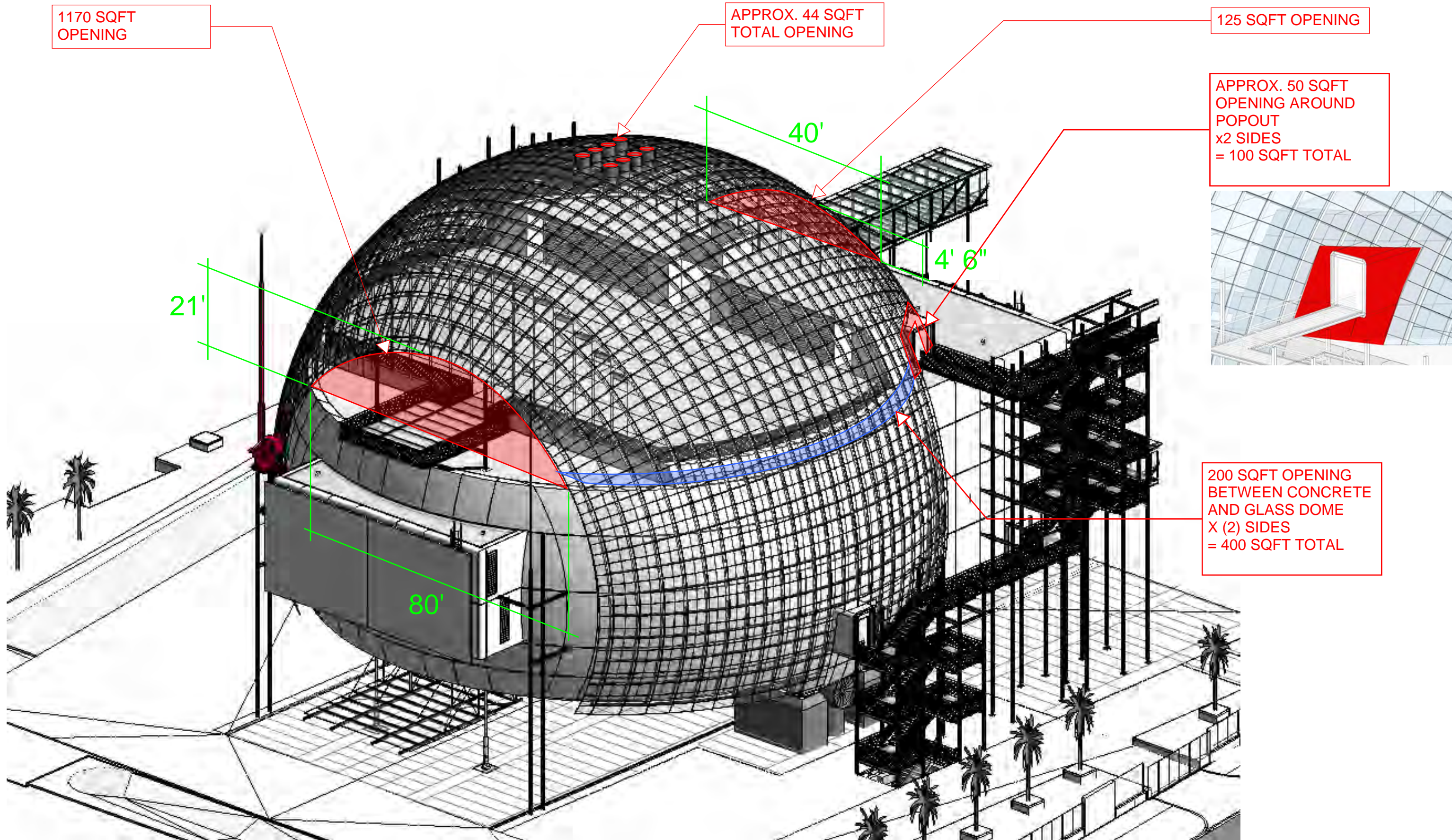
Attachment B: Noise Reduction Calculations



## Attachment A: Sphere Drawing









## Attachment B: Noise Reduction Calculations



## Noise Reduction Calculations by the Sphere (the View Deck)

$$NR_{max} = 10 \log_{10} \left[ \frac{1}{S_o} [S_o + \alpha S_a + 0.05(S_p + S_f - S_a)] \right]$$

Sp = total surface area of the partial enclosure to be evaluated (this should be a portion of the imaginary total enclosure; do not include floor area inside the enclosure). In square feet

Sf = total floor area inside the imaginary enclosure, in square feet

So = total open area free to radiate sound, in square feet (So = St - Sp - Sf)

Sa = total inside area of enclosure to be covered with sound absorption material, in square feet

$\alpha$  = Sabine absorption coefficient of material to be used, in octave frequency banks

NRmax= maximum achievable reduction of reverberant sound caused by the partial enclosure.

Sp	26000		Sp	26000		Sp	26000
Sf	9500		Sf	9500		Sf	9500
So	1839		So	1839		So	1839
Sa	2600		Sa	1300		Sa	13000

<---- Total Open Areas of the Shpere

	10%			5%			50%
	5694			4654			14534
	3.096248			2.530723			7.903208

<---- Percentage of indoor surface areas to be covered with sound absorption materials

<b>NRmax</b>	<b>5 dBA</b>		<b>4 dBA</b>		<b>9 dBA</b>
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**Attachment C - Supplemental Traffic and Parking Analysis  
Memorandum (June 11, 2015)**

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## MEMORANDUM

**TO:** Jay Ziff, PCR Services Corporation

**FROM:** Patrick A. Gibson, P.E., PTOE  
Sarah M. Drobis, P.E.  
Emily Wong, EIT

**DATE:** June 11, 2015

**RE:** Supplemental Traffic and Parking Analysis Memorandum  
for the Academy Museum of Motion Pictures Project **Ref:** J1032

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This memorandum summarizes the supplemental analyses conducted as part of the Errata to address minor design changes and refinements to the proposed Academy Museum of Motion Pictures Project (“Museum” or “Project”) and to supplement relevant information and analysis provided in the Final Environmental Impact Report (“Final EIR”) for the Project. Specifically, this memorandum presents the findings of the supplemental traffic analysis of the refinement in the Project associated with the distribution of floor area between the Museum Café and Museum Store. While the overall amount of 9,000 square feet in floor area associated with the Museum Café and Museum Store as presented in the Draft EIR has not changed, the distribution of floor area between the two uses has been changed. The floor area for the Museum Store has been reduced from 5,000 square feet to 3,000 square feet and the Museum Café size has increased from 4,000 square feet to 6,000 square feet.

The minor design change in distribution of square footage between the Museum Café and Museum Store would not result in any new traffic impacts that were not previously analyzed in Section 4.J, Transportation and Parking, based on the detailed *Traffic Study for the Academy Museum of Motion Pictures Project* prepared by Gibson Transportation Consulting, Inc. (GTC) (“Traffic Study”) included in Appendix M-1, of the Draft EIR, Topical Response TR-2, Traffic and Appendix B, Supplemental Traffic Analysis Memorandum of the Final EIR. The change in distribution of square footage would not change the City of Los Angeles Municipal Code (LAMC)-required automobile parking requirement as both uses are located within the Original Building. Further, the small increase in peak parking demand associated with the change in distribution of square footage will be accommodated through the shared use of the existing LACMA parking facilities, operational measures to increase parking supply within the LACMA parking facilities (i.e., attendant parking), and available parking spaces within one or more of the parking facilities provided in the Museum Row area, all of which will be managed through the Parking and Transportation Management Plan (PTMP). Therefore, consistent with the Final EIR, the LAMC automobile parking requirement is satisfied and with implementation of the PTMP, peak parking demand is met. As such, no significant parking impacts are anticipated related to LAMC automobile parking or peak parking demand. Furthermore, the LADOT has reviewed and concurs with the information presented in this memorandum (see Attachment A, LADOT Correspondence).

## **TRAFFIC ANALYSES**

The analysis of the proposed modification in the distribution of the Museum Café and Museum Store floor area was evaluated for existing and future conditions for Museum operations consistent with the study scope, assumptions (i.e., study area, trip generation, trip distribution patterns, etc.) and methodologies presented in the Final EIR and Traffic Study. The minor design change in the assignment of floor area would not affect the Theater Special Events (representing a maximum capacity for 1,350 attendees at all three theaters) and therefore, no changes were made to the trip generation and analysis presented in the Draft and Final EIR related to Theater Special Event conditions. Table 1 summarizes the results of the revised Museum trip generation forecast for the weekday and Saturday midday peak hour and the weekday PM peak hour. As shown, the redistribution of floor area results in an increase of 70 daily trips, eight midday trips, and seven PM peak hour trips. Table 2 summarizes the results of the revised trip generation forecast after mitigation.

### **Existing with Project Conditions, Prior to Mitigation**

Tables 3-A to 3-C summarize the results of the Existing with Project intersection analyses. The revised Project does not result in any additional significant impacts at any Museum study intersection under Existing with Project conditions, which is consistent with the approved Traffic Study. No additional intersection mitigation is required as a result of the revised Project. The following two intersections would continue to be impacted by the revised Project under Existing with Project Conditions, prior to mitigation:

4. Fairfax Avenue & Beverly Boulevard (Friday and Saturday midday)
23. Fairfax Avenue & Wilshire Boulevard (weekday and Friday midday)

### **Future with Project Conditions, Prior to Mitigation**

Table 4-A to 4-C summarize the results of the Future with Project intersection analysis. As shown, the revised Project also does not result in any additional significant impacts at any Museum study intersections under Future with Project conditions, consistent with the findings of the approved Traffic Study. No additional intersection mitigation is required as a result of the revised Project. The following three intersections would continue to be impacted by the revised Project under Future with Project Conditions, prior to mitigation:

4. Fairfax Avenue & Beverly Boulevard (weekday, Friday & Saturday midday)
13. Fairfax Avenue & 6<sup>th</sup> Street (weekday midday, Friday midday & PM)
23. Fairfax Avenue & Wilshire Boulevard (weekday midday & PM, Friday midday, Saturday midday)

### **Existing with Project with Mitigation Conditions**

Tables 3-A to 3-C summarize the results of the Existing with Project with Mitigation intersection analyses. The revised Project with mitigation does not result in any additional significant impacts at any Museum study intersections under Existing with Project with Mitigation conditions, which is consistent with the approved Traffic Study. The revised Project would continue to not result in significant and unavoidable impacts under Existing with Project with Mitigation conditions with the revised Project.

### **Future with Project with Mitigation Conditions**

Table 4-A to 4-C summarize the results of the Future with Project with Mitigation intersection analysis. As shown, the revised Project also does not result in any additional significant impacts at any Museum study intersections under Future with Project with Mitigation conditions, consistent with the findings of the approved Traffic Study. The impact during the Friday PM peak hour at the intersection of Fairfax Avenue & 6<sup>th</sup> street (Intersection #13) would remain significant and unavoidable under Future with Project with Mitigation Conditions with the revised Project.

Level of service worksheets for the intersection analyses are provided in the Attachment B.

### **AM PEAK HOUR ANALYSIS**

Table 5 summarizes the results of the revised trip generation forecasts for the weekday AM peak hour. As shown in Table 5, the revised Project would result in an increase of approximately eight AM peak hour trips. The AM peak hour Project trips were distributed to the street network using the same percentages used in the Final EIR. Consistent with the Final EIR, the following five study intersections with the greatest potential to be significantly impacted by the Project were included in the analysis for both Existing with Project and Future with Project scenarios:

- 13. Fairfax Avenue & 6<sup>th</sup> Street
- 15. Curson Avenue & 6<sup>th</sup> Street
- 23. Fairfax Avenue & Wilshire Boulevard
- 25. Curson Avenue & Wilshire Boulevard
- 29. Fairfax Avenue & 8<sup>th</sup> Street/Del Valle Drive

### **Existing with Project Conditions, Prior to Mitigation**

As summarized in Table 6, the revised Project is not anticipated to result in a significant impact at any of the analyzed study intersections under Existing with Project conditions during the weekday AM peak hour. Thus, no additional mitigation measures are required.

### **Future with Project Conditions, Prior to Mitigation**

As summarized in Table 7, the revised Project is not anticipated to result in a significant impact at any of the analyzed study intersections under Future with Project conditions during the weekday AM peak hour. Thus, no additional mitigation measures are required.

## **TRAFFIC ANALYSIS WITH BICYCLE IMPROVEMENTS**

Consistent with the Traffic Study and Final EIR, an analysis of the revised Project was conducted for the 10 study intersections that would be affected by the planned bicycle improvements along 6<sup>th</sup> Street and San Vicente Boulevard. The bicycle improvement affects a total of seven study intersections along 6<sup>th</sup> Street and three study intersections along San Vicente Boulevard. The analysis of the affected intersections reflects the resulting lane configurations consistent with the proposed cross sections and "Road Diet" plans for these roadway segments. The trip generation forecast, including the bicycle improvements is shown in Table 8.

### **Future with Project Conditions, Prior to Mitigation**

The Future with Project conditions with the bicycle improvements for the revised Project during the weekday, Friday and Saturday peak hours are shown in Tables 9-A to 9-C. As shown, if the bicycle improvements were to be implemented, significant impacts would be anticipated, prior to mitigation at the following locations along 6<sup>th</sup> Street:

13. Fairfax Avenue & 6<sup>th</sup> Street (weekday midday, Friday midday & PM)
14. LACMA Driveway/Ogden Drive & 6<sup>th</sup> (Friday PM)
15. Curson Avenue & 6<sup>th</sup> Street (weekday PM, Friday PM)
16. Hauser Boulevard & 6<sup>th</sup> Street (weekday PM, Friday PM)
17. Burnside Avenue & 6<sup>th</sup> Street (weekday PM, Friday PM)
18. Cochran Avenue & 6<sup>th</sup> Street (Friday PM)

### **Future with Project with Mitigation Conditions**

Mitigation is anticipated to continue to reduce the impacts at two intersections (Int. 14., LACMA Driveway/Ogden Drive & 6<sup>th</sup> Street and Int. 18., Cochran Avenue & 6<sup>th</sup> Street) to less than significant levels.

As shown in Tables 9-A to 9-C, with the bicycle improvements and mitigation, significant and unavoidable impacts would continue to remain at the following locations along 6<sup>th</sup> Street with the revised Project:

- 13. Fairfax Avenue & 6<sup>th</sup> Street (Friday PM)
- 15. Curson Avenue & 6<sup>th</sup> Street (Friday PM)
- 16. Hauser Boulevard & 6<sup>th</sup> Street (weekday PM, Friday PM)
- 17. Burnside Avenue & 6<sup>th</sup> Street (Friday PM)

### **TRAFFIC ANALYSES SUMMARY**

As described, with the minor refinements in the Project, the Project would continue to result in significant and unavoidable intersection impacts at one Museum study intersection (Fairfax Avenue and Sixth Street); and four Museum Study intersections with Proposed City Bike Lane Improvements (Fairfax Avenue and Sixth Street, Curson Avenue and Sixth Street, Hauser Boulevard and Sixth Street, and Burnside Avenue and Sixth Street). Additionally, the five study intersections selected for AM peak hour analysis are not anticipated to be significantly impacted. Therefore, this supplemental analysis of the refined Project does not result in any additional impacts or cause a substantial increase in the severity of the traffic impacts beyond those already identified in the Final EIR.

### **PARKING**

The minor design change change in distribution of square footage between the Museum Café and Museum Store would not change the City of Los Angeles Municipal Code (LAMC)-required automobile parking requirement as both uses are located within the Original Building (i.e., the historic portion of the building that will be repurposed). Therefore, consistent with the Final EIR, the LAMC automobile parking requirement of 482 spaces is satisfied (i.e., 378 spaces within the Pritzker Garage and 104 spaces within the Spaulding Lot), and as such, no significant parking impacts are anticipated related to LAMC automobile parking.

The peak parking demand of the Project with the change in distribution of square footage between the Museum Café and Museum Store is shown in Table 10. As shown in Table 10, the peak parking demand for the Museum Café and Museum Store is a total of 31 spaces (26 spaces for the Museum Café and 5 spaces for the Museum Store). By comparison, the peak parking demand outlined in Table 4.J-12 on page 4.J-49 of the Draft EIR for the Museum Café and Museum Store is a total of 26 spaces (18 spaces for the Museum Café and 8 spaces for the Museum Store). Consistent with the Draft EIR, this small increase in parking demand for the

Project with the minor design change in distribution of square footage between the Museum Café and Museum Store, will be accommodated through the shared use of the existing LACMA parking facilities, operational measures to increase parking supply within the LACMA parking facilities (i.e., attendant parking), and available parking spaces within one or more of the parking facilities provided in the Museum Row area. The total parking supply will be managed through the Parking and Transportation Management Plan (PTMP) so that the parking demands are met throughout the day for weekday and weekend conditions for various museum attendance levels (e.g., typical, design day, peak day), as well as for evening events in the theater. Thus, with implementation of the PTMP, parking demand impacts are determined to be less than significant, consistent with the findings of the Draft EIR.

**TABLE 1  
TRIP GENERATION ESTIMATES  
MUSEUM [a]**

Land Use	Size	Daily Trips	Midday Peak Hour [b]			PM Peak Hour [c]		
			Inbound	Outbound	Total	Inbound	Outbound	Total
Museum [d]								
Visitors [e]	5,000 Visitors	3,334	367	250	617	67	283	350
Less 20 % Internal Capture [f]		(667)	(73)	(50)	(123)	(13)	(57)	(70)
Less 15% Transit Reduction [g]		(400)	(44)	(30)	(74)	(8)	(34)	(42)
Less 5% Walk-Ins [h]		(113)	(12)	(8)	(20)	(2)	(10)	(12)
Subtotal - Museum Visitors		2,154	238	162	400	44	182	226
Employees [i]	135 Employees	270	--	--	--	0	81	81
Less 15% Transit Reduction [g]		(41)	--	--	--	0	(12)	(12)
Subtotal - Museum Employees		229	0	0	0	0	69	69
Museum Store [j]	3,000 sf	133	3	2	5	4	4	8
Less 50 % Internal Capture [k]		(67)	(2)	(1)	(3)	(2)	(2)	(4)
Less 15% Walk-Ins [l]		(10)	0	(1)	0	0	0	0
Subtotal - Museum Store		56	1	0	2	2	2	4
Museum Café [m]	6,000 sf	763	31	31	62	35	24	59
Less 50 % Internal Capture [k]		(382)	(16)	(15)	(31)	(18)	(12)	(30)
Less 15% Walk-Ins [l]		(57)	(3)	(2)	(5)	(2)	(2)	(4)
Subtotal - Museum Café		324	12	14	26	15	10	25
<b>TOTAL - REVISED PROJECT</b>		<b>2,763</b>	<b>251</b>	<b>176</b>	<b>428</b>	<b>61</b>	<b>263</b>	<b>324</b>
<b>TOTAL - TRAFFIC STUDY [n]</b>		<b>2,693</b>	<b>248</b>	<b>172</b>	<b>420</b>	<b>56</b>	<b>261</b>	<b>317</b>
<b>NET INCREASE</b>		<b>70</b>	<b>3</b>	<b>4</b>	<b>8</b>	<b>5</b>	<b>2</b>	<b>7</b>

**Notes**

- [a] Museum operations would include permanent and changing exhibitions; film clinics, classes, and lectures; indoor and outdoor educational programs; joint school programs; receptions and sit-down dinners; and administrative functions. It may also include use of the theaters for cultural and educational programming in conjunction with daily Museum operations, during which times they would generally be publicly accessible to Museum visitors. Such theater programming may include, but may not be limited to, films to accompany permanent and changing exhibitions, educational programming, film festivals, and spoken word programs.
- [b] The midday peak hour represents the highest hour from 12:00 PM to 2:00 PM.
- [c] The PM peak hour represents the highest hour from 3:00 PM to 6:00 PM.
- [d] Hours of operation for the Museum for public visitation are anticipated between 9:00 AM and 6:00 PM and may be closed one weekday per week. Two late-night closings per week, no later than 8:00 PM, are proposed.
- [e] Number of museum visitors based on the design day attendance of 5,000 visitors, provided by AMPAS.  
This day represents a 90th percentile attendance level. In general, the design day falls on weekends or holidays. Trip generation is conservatively based on the design day attendance, where a trip rate of 1 trip per 3 visitors (3.0 AVR) was used to estimate the number of vehicle trips. (5,000 daily visitors / 3.0 AVR) x 2 trips (1 inbound, 1 outbound) = 3,334 daily visitor trips.  
The hourly arrival/departure pattern, provided by AMPAS, was used to determine the trip generation patterns during the peak hours.  
Although tour/school buses are anticipated to arrive over the course of a day, which would result in a reduced number of visitor vehicles due the higher seating capacity (AVR). This trip estimate assumes that all Museum visitors arrive by private vehicle, resulting in a conservative number of vehicle trips associated with Museum visitors.
- [f] Internal capture reduction to account for the LACMA visitors also visiting the AMMP.
- [g] Transit reduction is consistent with standard LADOT policy for developments located within 1/4 mile walking distance from a RapidBus stop.
- [h] Walk-in reduction to account for non-auto/walking visitor arrivals from the adjacent neighborhood and adjacent cultural facilities.
- [i] Employee total as provided by AMPAS. A trip generation rate of 1 trip per employee (1.0 AVR) conservatively assumes no reductions related to carpooling. (135 employees / 1.0 AVR) x 2 trips (1 inbound, 1 outbound) = 270 daily employee trips.
- [j] Midday rates estimated by averaging the AM and PM peak hour trip rates from Trip Generation, 9th Edition (Institute of Transportation Engineers; 2012). Museum store utilizes ITE Land Use Code 826 (Specialty Retail).
- [k] Internal capture reduction to account for visitors from the AMMP or LACMA.
- [l] Walk-in reduction to account for walking visitor arrivals from the surrounding neighborhood and adjacent commercial developments.
- [m] Midday rates estimated by averaging the AM and PM peak hour trip rates from Trip Generation, 9th Edition. Museum café utilizes ITE Land Use Code 932 (High-turnover Restaurant).
- [n] Trip generation estimates from Draft EIR and Traffic Study (Appendix M-1 of the Draft EIR).

**TABLE 2  
TRIP GENERATION ESTIMATES WITH TRANSIT CONNECTIVITY ENHANCEMENTS  
MUSEUM [a]**

Land Use	Size	Daily Trips	Midday Peak Hour [b]			PM Peak Hour [c]		
			Inbound	Outbound	Total	Inbound	Outbound	Total
Museum [d] Visitors [e]	5,000 Visitors	3,334	367	250	617	67	283	350
Less 20 % Internal Capture [f]		(667)	(73)	(50)	(123)	(13)	(57)	(70)
Less 25% Transit Reduction [g]		(667)	(73)	(50)	(123)	(13)	(57)	(70)
Less 5% Walk-Ins [h]		(100)	(11)	(8)	(19)	(2)	(9)	(11)
Subtotal - Museum Visitors		1,900	210	142	352	39	160	199
Employees [i]	135 Employees	270	--	--	--	0	81	81
Less 25% Transit Reduction [g]		(68)	--	--	--	0	(20)	(20)
Subtotal - Museum Employees		202	0	0	0	0	61	61
Museum Store [j]	3,000 sf	133	3	2	5	4	4	8
Less 50 % Internal Capture [k]		(67)	(2)	(1)	(3)	(2)	(2)	(4)
Less 15% Walk-Ins [l]		(10)	0	(1)	0	0	0	0
Subtotal - Museum Store		56	1	0	2	2	2	4
Museum Café [m]	6,000 sf	763	31	31	62	35	24	59
Less 50 % Internal Capture [k]		(382)	(16)	(15)	(31)	(18)	(12)	(30)
Less 15% Walk-Ins [l]		(57)	(3)	(2)	(5)	(2)	(2)	(4)
Subtotal - Museum Café		324	12	14	26	15	10	25
<b>TOTAL</b>		<b>2,482</b>	<b>223</b>	<b>156</b>	<b>380</b>	<b>56</b>	<b>233</b>	<b>289</b>

**Notes**

- [a] Museum operations would include permanent and changing exhibitions; film clinics, classes, and lectures; indoor and outdoor educational programs; joint school programs; receptions and sit-down dinners; and administrative functions. It may also include use of the theaters for cultural and educational programming in conjunction with daily Museum operations, during which times they would generally be publicly accessible to Museum visitors. Such theater programming may include, but may not be limited to, films to accompany permanent and changing exhibitions, educational programming, film festivals, and spoken word programs.
- [b] The midday peak hour represents the highest hour from 12:00 PM to 2:00 PM.
- [c] The PM peak hour represents the highest hour from 3:00 PM to 6:00 PM.
- [d] Hours of operation for the Museum for public visitation are anticipated between 9:00 AM and 6:00 PM and may be closed one weekday per week. Two late-night closings per week, no later than 8:00 PM, are proposed.
- [e] Number of museum visitors based on the design day attendance of 5,000 visitors, provided by AMPAS.  
This day represents a 90th percentile attendance level. In general, the design day falls on weekends or holidays. Trip generation is conservatively based on the design day attendance, where a trip rate of 1 trip per 3 visitors (3.0 AVR) was used to estimate the number of vehicle trips. (5,000 daily visitors / 3.0 AVR) x 2 trips (1 inbound, 1 outbound) = 3,334 daily visitor trips.  
The hourly arrival/departure pattern, provided by AMPAS, was used to determine the trip generation patterns during the peak hours. Although tour/school buses are anticipated to arrive over the course of a day, which would result in a reduced number of visitor vehicles due the higher seating capacity (AVR). This trip estimate assumes that all Museum visitors arrive by private vehicle, resulting in a conservative number of vehicle trips associated with Museum visitors.
- [f] Internal capture reduction to account for the LACMA visitors also visiting the AMMP.
- [g] Increased transit reduction as a result of transit connectivity enhancements.
- [h] Walk-in reduction to account for non-auto/walking visitor arrivals from the adjacent neighborhood and adjacent cultural facilities.
- [i] Employee total as provided by AMPAS. A trip generation rate of 1 trip per employee (1.0 AVR) conservatively assumes no reductions related to carpooling. (135 employees / 1.0 AVR) x 2 trips (1 inbound, 1 outbound) = 270 daily employee trips.
- [j] Midday rates estimated by averaging the AM and PM peak hour trip rates from Trip Generation, 9th Edition (Institute of Transportation Engineers; 2012). Museum store utilizes ITE Land Use Code 826 (Specialty Retail).
- [k] Internal capture reduction to account for visitors from the AMMP or LACMA.
- [l] Walk-in reduction to account for walking visitor arrivals from the surrounding neighborhood and adjacent commercial developments.
- [m] Midday rates estimated by averaging the AM and PM peak hour trip rates from Trip Generation, 9th Edition. Museum café utilizes ITE Land Use Code 932 (High-turnover Restaurant).



**TABLE 3-A  
EXISTING WITH PROJECT WITH MITIGATION CONDITIONS - MUSEUM - WEEKDAY  
SIGNIFICANT IMPACT ANALYSIS**

No	City	Intersection	Peak Hour	Weekday									
				Existing		Existing with Project				Existing with Project with Mitigation [a]			
				V/C or Delay	LOS	V/C or Delay	LOS	ΔV/C or Delay	Impact	V/C or Delay	LOS	ΔV/C or Delay	Impact
1.	LA	Fairfax Avenue & Sunset Boulevard	Midday PM	0.712 0.721	C C	0.723 0.727	C C	0.011 0.006	NO NO	0.712 0.716	C C	0.000 -0.005	NO NO
2.	WH	Fairfax Avenue & Santa Monica Boulevard	Midday PM	50.4 67.4	D E	53.9 70.2	D E	3.5 2.8	NO NO	53.5 69.8	D E	3.1 2.4	NO NO
3.	LA	Fairfax Avenue & Melrose Avenue	Midday PM	0.656 0.802	B D	0.664 0.809	B D	0.008 0.007	NO NO	0.653 0.798	B C	-0.003 -0.004	NO NO
4.	LA	Fairfax Avenue & Beverly Boulevard	Midday PM	0.861 0.875	D D	0.879 0.884	D D	0.018 0.009	NO NO	0.862 0.871	D D	0.001 -0.004	NO NO
5.	LA	Crescent Heights Boulevard & 3rd Street	Midday PM	0.727 0.791	C C	0.730 0.791	C C	0.003 0.000	NO NO	0.729 0.791	C C	0.002 0.000	NO NO
6.	LA	Fairfax Avenue & 3rd Street	Midday PM	0.800 0.861	C D	0.813 0.867	D D	0.013 0.006	NO NO	0.802 0.854	D D	0.002 -0.007	NO NO
7.	LA	Martel Avenue/Hauser Boulevard & 3rd Street	Midday PM	0.653 0.755	B C	0.658 0.756	B C	0.005 0.001	NO NO	0.657 0.756	B C	0.004 0.001	NO NO
8.	LA	Alta Vista Boulevard/Cochran Avenue & 3rd Street	Midday PM	0.432 0.553	A A	0.445 0.559	A A	0.013 0.006	NO NO	0.443 0.557	A A	0.011 0.004	NO NO
9.	LA	La Brea Avenue & 3rd Street	Midday PM	0.827 0.775	D C	0.831 0.779	D C	0.004 0.004	NO NO	0.831 0.778	D C	0.004 0.003	NO NO
10.	LA	Fairfax Avenue & Colgate Avenue	Midday PM	0.449 0.466	A A	0.461 0.470	A A	0.012 0.004	NO NO	0.447 0.459	A A	-0.002 -0.007	NO NO
11.	LA	San Vicente Boulevard & 6th Street	Midday PM	0.308 0.471	A A	0.315 0.473	A A	0.007 0.002	NO NO	0.315 0.473	A A	0.007 0.002	NO NO
12.	LA	Crescent Heights Boulevard & 6th Street	Midday PM	0.411 0.612	A B	0.427 0.621	A B	0.016 0.009	NO NO	0.425 0.621	A B	0.014 0.009	NO NO
13.	LA	Fairfax Avenue & 6th Street	Midday PM	0.600 0.677	A B	0.647 0.713	B C	0.047 0.036	NO NO	0.628 0.698	B B	0.028 0.021	NO NO
14.	LA	LACMA Driveway/Ogden Drive & 6th Street	Midday PM	0.125 0.231	A A	0.277 0.367	A A	0.152 0.136	NO NO	0.271 0.349	A A	0.146 0.118	NO NO
15.	LA	Curson Avenue & 6th St	Midday PM	0.237 0.419	A A	0.265 0.449	A A	0.028 0.030	NO NO	0.265 0.446	A A	0.028 0.027	NO NO
16.	LA	Hauser Boulevard & 6th Street	Midday PM	0.427 0.627	A B	0.459 0.653	A B	0.032 0.026	NO NO	0.460 0.650	A B	0.033 0.023	NO NO
17.	LA	Burnside Avenue & 6th Street	Midday PM	0.231 0.523	A A	0.255 0.545	A A	0.024 0.022	NO NO	0.254 0.543	A A	0.023 0.020	NO NO
18.	LA	Cochran Avenue & 6th Street	Midday PM	0.394 0.665	A B	0.430 0.697	A B	0.036 0.032	NO NO	0.425 0.693	A B	0.031 0.028	NO NO
19.	LA	La Brea Avenue & 6th Street	Midday PM	0.683 0.619	B B	0.699 0.628	B B	0.016 0.009	NO NO	0.697 0.627	B B	0.014 0.008	NO NO

**Notes**

LA = Los Angeles BH = Beverly Hills WH = West Hollywood

[a] Mitigation includes transit connectivity enhancements and transportation systems management (TSM).

**TABLE 3-A (continued)**  
**EXISTING WITH PROJECT WITH MITIGATION CONDITIONS - MUSEUM - WEEKDAY**  
**SIGNIFICANT IMPACT ANALYSIS**

No	City	Intersection	Peak Hour	Weekday									
				Existing		Existing with Project				Existing with Project with Mitigation [a]			
				V/C or Delay	LOS	V/C or Delay	LOS	ΔV/C or Delay	Impact	V/C or Delay	LOS	ΔV/C or Delay	Impact
20.	BH	La Cienega Boulevard & Wilshire Boulevard	Midday PM	0.848 0.910	D E	0.853 0.911	D E	0.005 0.001	NO NO	0.852 0.911	D E	0.004 0.001	NO NO
21.	LA	San Vicente Boulevard & Wilshire Boulevard	Midday PM	0.443 0.695	A B	0.448 0.696	A B	0.005 0.001	NO NO	0.448 0.696	A B	0.005 0.001	NO NO
22.	LA	Crescent Heights Boulevard/McCarthy Vista & Wilshire Boulevard	Midday PM	0.523 0.681	A B	0.535 0.686	A B	0.012 0.005	NO NO	0.533 0.686	A B	0.010 0.005	NO NO
23.	LA	Fairfax Avenue & Wilshire Boulevard	Midday PM	0.663 0.773	B C	0.704 0.789	C C	0.041 0.016	YES NO	0.681 0.775	B C	0.018 0.002	NO NO
24.	LA	Spaulding Avenue & Wilshire Boulevard	Midday PM	0.322 0.305	A A	0.370 0.355	A A	0.048 0.050	NO NO	0.360 0.351	A A	0.038 0.046	NO NO
25.	LA	Curson Avenue & Wilshire Boulevard	Midday PM	0.447 0.487	A A	0.468 0.494	A A	0.021 0.007	NO NO	0.465 0.493	A A	0.018 0.006	NO NO
26.	LA	Hauser Boulevard & Wilshire Boulevard	Midday PM	0.574 0.603	A B	0.587 0.619	A B	0.013 0.016	NO NO	0.585 0.617	A B	0.011 0.014	NO NO
27.	LA	Cochran Avenue & Wilshire Boulevard	Midday PM	0.385 0.527	A A	0.396 0.533	A A	0.011 0.006	NO NO	0.394 0.532	A A	0.009 0.005	NO NO
28.	LA	La Brea Avenue & Wilshire Boulevard	Midday PM	0.653 0.759	B C	0.661 0.765	B C	0.008 0.006	NO NO	0.661 0.765	B C	0.008 0.006	NO NO
29.	LA	Fairfax Avenue & 8th Street	Midday PM	0.332 0.515	A A	0.356 0.522	A A	0.024 0.007	NO NO	0.343 0.512	A A	0.011 -0.003	NO NO
30.	LA	McCarthy Vista/Carillo Drive & San Vicente Boulevard	Midday PM	0.332 0.515	A A	0.466 0.502	A A	0.134 -0.013	NO NO	0.465 0.501	A A	0.133 -0.014	NO NO
31.	LA	Carillo Drive/Crescent Heights Boulevard & Olympic Boulevard	Midday PM	0.332 0.515	A A	0.579 0.642	A B	0.247 0.127	NO NO	0.576 0.641	A B	0.244 0.126	NO NO
32.	LA	Fairfax Avenue & San Vicente Boulevard	Midday PM	0.421 0.487	A A	0.438 0.504	A A	0.017 0.017	NO NO	0.425 0.492	A A	0.004 0.005	NO NO
33.	LA	Fairfax Avenue & Olympic Boulevard	Midday PM	0.551 0.747	A C	0.567 0.762	A C	0.016 0.015	NO NO	0.555 0.750	A C	0.004 0.003	NO NO
34.	LA	San Vicente Boulevard & Olympic Boulevard	Midday PM	0.320 0.637	A B	0.322 0.640	A B	0.002 0.003	NO NO	0.322 0.639	A B	0.002 0.002	NO NO
35.	LA	Curson Avenue & Olympic Boulevard	Midday PM	0.296 0.595	A A	0.301 0.605	A B	0.005 0.010	NO NO	0.301 0.603	A B	0.005 0.008	NO NO
36.	LA	Hauser Boulevard & Olympic Boulevard	Midday PM	0.463 0.776	A C	0.469 0.781	A C	0.006 0.005	NO NO	0.467 0.781	A C	0.004 0.005	NO NO
37.	LA	Cochran Avenue & Olympic Boulevard	Midday PM	0.309 0.596	A A	0.315 0.603	A B	0.006 0.007	NO NO	0.315 0.603	A B	0.006 0.007	NO NO
38.	LA	Fairfax Avenue & Pico Boulevard	Midday PM	0.612 0.747	B C	0.619 0.758	B C	0.007 0.011	NO NO	0.608 0.746	B C	-0.004 -0.001	NO NO

**Notes**

LA = Los Angeles BH = Beverly Hills WH = West Hollywood

[a] Mitigation includes transit connectivity enhancements and transportation systems management (TSM).

**TABLE 3-B  
EXISTING WITH PROJECT WITH MITIGATION CONDITIONS - MUSEUM - FRIDAY  
SIGNIFICANT IMPACT ANALYSIS**

No	City	Intersection	Peak Hour	Friday									
				Existing		Existing with Project				Existing with Project with Mitigation [a]			
				V/C or Delay	LOS	V/C or Delay	LOS	ΔV/C or Delay	Impact	V/C or Delay	LOS	ΔV/C or Delay	Impact
1.	LA	Fairfax Avenue & Sunset Boulevard	Midday PM	0.776 0.773	C C	0.787 0.779	C C	0.011 0.006	NO NO	0.775 0.768	C C	-0.001 -0.005	NO NO
2.	WH	Fairfax Avenue & Santa Monica Boulevard	Midday PM	46.8 56.7	D E	50.3 59.6	D E	3.5 2.9	NO NO	49.9 59.2	D E	3.1 2.5	NO NO
3.	LA	Fairfax Avenue & Melrose Avenue	Midday PM	0.682 0.800	B C	0.689 0.807	B D	0.007 0.007	NO NO	0.677 0.796	B C	-0.005 -0.004	NO NO
4.	LA	Fairfax Avenue & Beverly Boulevard	Midday PM	0.899 0.858	D D	0.917 0.866	E D	0.018 0.008	YES NO	0.899 0.854	D D	0.000 -0.004	NO NO
5.	LA	Crescent Heights Boulevard & 3rd Street	Midday PM	0.791 0.709	C C	0.795 0.709	C C	0.004 0.000	NO NO	0.794 0.709	C C	0.003 0.000	NO NO
6.	LA	Fairfax Avenue & 3rd Street	Midday PM	0.800 0.818	C D	0.813 0.821	D D	0.013 0.003	NO NO	0.801 0.811	D D	0.001 -0.007	NO NO
7.	LA	Martel Avenue/Hauser Boulevard & 3rd Street	Midday PM	0.723 0.771	C C	0.729 0.772	C C	0.006 0.001	NO NO	0.728 0.772	C C	0.005 0.001	NO NO
8.	LA	Alta Vista Boulevard/Cochran Avenue & 3rd Street	Midday PM	0.485 0.609	A B	0.494 0.622	A B	0.009 0.013	NO NO	0.493 0.620	A B	0.008 0.011	NO NO
9.	LA	La Brea Avenue & 3rd Street	Midday PM	0.853 0.808	D D	0.857 0.811	D D	0.004 0.003	NO NO	0.856 0.811	D D	0.003 0.003	NO NO
10.	LA	Fairfax Avenue & Colgate Avenue	Midday PM	0.426 0.505	A A	0.435 0.519	A A	0.009 0.014	NO NO	0.425 0.507	A A	-0.001 0.002	NO NO
11.	LA	San Vicente Boulevard & 6th Street	Midday PM	0.368 0.536	A A	0.376 0.538	A A	0.008 0.002	NO NO	0.375 0.538	A A	0.007 0.002	NO NO
12.	LA	Crescent Heights Boulevard & 6th Street	Midday PM	0.454 0.569	A A	0.470 0.580	A A	0.016 0.011	NO NO	0.469 0.579	A A	0.015 0.010	NO NO
13.	LA	Fairfax Avenue & 6th Street	Midday PM	0.607 0.717	B C	0.662 0.753	B C	0.055 0.036	NO NO	0.643 0.738	B C	0.036 0.021	NO NO
14.	LA	LACMA Driveway/Ogden Drive & 6th Street	Midday PM	0.155 0.289	A A	0.305 0.425	A A	0.150 0.136	NO NO	0.297 0.407	A A	0.142 0.118	NO NO
15.	LA	Curson Avenue & 6th St	Midday PM	0.264 0.491	A A	0.292 0.522	A A	0.028 0.031	NO NO	0.291 0.519	A A	0.027 0.028	NO NO
16.	LA	Hauser Boulevard & 6th Street	Midday PM	0.495 0.686	A B	0.513 0.711	A C	0.018 0.025	NO NO	0.515 0.708	A C	0.020 0.022	NO NO
17.	LA	Burnside Avenue & 6th Street	Midday PM	0.244 0.555	A A	0.263 0.577	A A	0.019 0.022	NO NO	0.262 0.575	A A	0.018 0.020	NO NO
18.	LA	Cochran Avenue & 6th Street	Midday PM	0.485 0.714	A C	0.511 0.745	A C	0.026 0.031	NO NO	0.507 0.742	A C	0.022 0.028	NO NO
19.	LA	La Brea Avenue & 6th Street	Midday PM	0.646 0.671	B B	0.662 0.679	B B	0.016 0.008	NO NO	0.660 0.678	B B	0.014 0.007	NO NO

**Notes**

LA = Los Angeles BH = Beverly Hills WH = West Hollywood

[a] Mitigation includes transit connectivity enhancements and transportation systems management (TSM).

**TABLE 3-B (continued)**  
**EXISTING WITH PROJECT WITH MITIGATION CONDITIONS - MUSEUM - FRIDAY**  
**SIGNIFICANT IMPACT ANALYSIS**

No	City	Intersection	Peak Hour	Friday									
				Existing		Existing with Project				Existing with Project with Mitigation [a]			
				V/C or Delay	LOS	V/C or Delay	LOS	ΔV/C or Delay	Impact	V/C or Delay	LOS	ΔV/C or Delay	Impact
20.	BH	La Cienega Boulevard & Wilshire Boulevard	Midday PM	0.839 0.908	D E	0.844 0.909	D E	0.005 0.001	NO NO	0.844 0.909	D E	0.005 0.001	NO NO
21.	LA	San Vicente Boulevard & Wilshire Boulevard	Midday PM	0.494 0.672	A B	0.501 0.673	A B	0.007 0.001	NO NO	0.500 0.673	A B	0.006 0.001	NO NO
22.	LA	Crescent Heights Boulevard/McCarthy Vista & Wilshire Boulevard	Midday PM	0.567 0.690	A B	0.577 0.695	A B	0.010 0.005	NO NO	0.575 0.695	A B	0.008 0.005	NO NO
23.	LA	Fairfax Avenue & Wilshire Boulevard	Midday PM	0.701 0.754	C C	0.743 0.775	C C	0.042 0.021	YES NO	0.719 0.763	C C	0.018 0.009	NO NO
24.	LA	Spaulding Avenue & Wilshire Boulevard	Midday PM	0.346 0.353	A A	0.393 0.403	A A	0.047 0.050	NO NO	0.384 0.399	A A	0.038 0.046	NO NO
25.	LA	Curson Avenue & Wilshire Boulevard	Midday PM	0.463 0.548	A A	0.476 0.552	A A	0.013 0.004	NO NO	0.474 0.552	A A	0.011 0.004	NO NO
26.	LA	Hauser Boulevard & Wilshire Boulevard	Midday PM	0.592 0.608	A B	0.602 0.624	B B	0.010 0.016	NO NO	0.600 0.622	A B	0.008 0.014	NO NO
27.	LA	Cochran Avenue & Wilshire Boulevard	Midday PM	0.491 0.467	A A	0.503 0.476	A A	0.012 0.009	NO NO	0.501 0.475	A A	0.010 0.008	NO NO
28.	LA	La Brea Avenue & Wilshire Boulevard	Midday PM	0.711 0.779	C C	0.723 0.786	C C	0.012 0.007	NO NO	0.722 0.785	C C	0.011 0.006	NO NO
29.	LA	Fairfax Avenue & 8th Street	Midday PM	0.361 0.556	A A	0.386 0.564	A A	0.025 0.008	NO NO	0.373 0.553	A A	0.012 -0.003	NO NO
30.	LA	McCarthy Vista/Carillo Drive & San Vicente Boulevard	Midday PM	0.361 0.556	A A	0.425 0.577	A A	0.064 0.021	NO NO	0.424 0.577	A A	0.063 0.021	NO NO
31.	LA	Carillo Drive/Crescent Heights Boulevard & Olympic Boulevard	Midday PM	0.361 0.556	A A	0.657 0.663	B B	0.296 0.107	NO NO	0.655 0.663	B B	0.294 0.107	NO NO
32.	LA	Fairfax Avenue & San Vicente Boulevard	Midday PM	0.511 0.494	A A	0.528 0.512	A A	0.017 0.018	NO NO	0.515 0.500	A A	0.004 0.006	NO NO
33.	LA	Fairfax Avenue & Olympic Boulevard	Midday PM	0.586 0.739	A C	0.596 0.755	A C	0.010 0.016	NO NO	0.585 0.743	A C	-0.001 0.004	NO NO
34.	LA	San Vicente Boulevard & Olympic Boulevard	Midday PM	0.397 0.621	A B	0.398 0.624	A B	0.001 0.003	NO NO	0.398 0.624	A B	0.001 0.003	NO NO
35.	LA	Curson Avenue & Olympic Boulevard	Midday PM	0.353 0.601	A B	0.361 0.610	A B	0.008 0.009	NO NO	0.360 0.609	A B	0.007 0.008	NO NO
36.	LA	Hauser Boulevard & Olympic Boulevard	Midday PM	0.611 0.783	B C	0.618 0.788	B C	0.007 0.005	NO NO	0.616 0.788	B C	0.005 0.005	NO NO
37.	LA	Cochran Avenue & Olympic Boulevard	Midday PM	0.396 0.536	A A	0.403 0.543	A A	0.007 0.007	NO NO	0.402 0.543	A A	0.006 0.007	NO NO
38.	LA	Fairfax Avenue & Pico Boulevard	Midday PM	0.625 0.767	B C	0.632 0.778	B C	0.007 0.011	NO NO	0.621 0.766	B C	-0.004 -0.001	NO NO

**Notes**

LA = Los Angeles BH = Beverly Hills WH = West Hollywood

[a] Mitigation includes transit connectivity enhancements and transportation systems management (TSM).

**TABLE 3-C  
EXISTING WITH PROJECT WITH MITIGATION CONDITIONS - MUSEUM - SATURDAY  
SIGNIFICANT IMPACT ANALYSIS**

No	City	Intersection	Peak Hour	Saturday									
				Existing		Existing with Project				Existing with Project with Mitigation [a]			
				V/C or Delay	LOS	V/C or Delay	LOS	$\Delta$ V/C or Delay	Impact	V/C or Delay	LOS	$\Delta$ V/C or Delay	Impact
1.	LA	Fairfax Avenue & Sunset Boulevard	Midday	0.760	C	0.771	C	0.011	NO	0.759	C	-0.001	NO
2.	WH	Fairfax Avenue & Santa Monica Boulevard	Midday	79.6	E	83.7	F	4.1	NO	83.2	F	3.6	NO
3.	LA	Fairfax Avenue & Melrose Avenue	Midday	0.692	B	0.700	B	0.008	NO	0.689	B	-0.003	NO
4.	LA	Fairfax Avenue & Beverly Boulevard	Midday	0.891	D	0.909	E	0.018	YES	0.891	D	0.000	NO
5.	LA	Crescent Heights Boulevard & 3rd Street	Midday	0.765	C	0.767	C	0.002	NO	0.767	C	0.002	NO
6.	LA	Fairfax Avenue & 3rd Street	Midday	0.795	C	0.808	D	0.013	NO	0.797	C	0.002	NO
7.	LA	Martel Avenue/Hauser Boulevard & 3rd Street	Midday	0.629	B	0.635	B	0.006	NO	0.634	B	0.005	NO
8.	LA	Alta Vista Boulevard/Cochran Avenue & 3rd Street	Midday	0.449	A	0.459	A	0.010	NO	0.458	A	0.009	NO
9.	LA	La Brea Avenue & 3rd Street	Midday	0.885	D	0.890	D	0.005	NO	0.889	D	0.004	NO
10.	LA	Fairfax Avenue & Colgate Avenue	Midday	0.390	A	0.403	A	0.013	NO	0.388	A	-0.002	NO
11.	LA	San Vicente Boulevard & 6th Street	Midday	0.225	A	0.232	A	0.007	NO	0.231	A	0.006	NO
12.	LA	Crescent Heights Boulevard & 6th Street	Midday	0.423	A	0.441	A	0.018	NO	0.439	A	0.016	NO
13.	LA	Fairfax Avenue & 6th Street	Midday	0.551	A	0.605	B	0.054	NO	0.586	A	0.035	NO
14.	LA	LACMA Driveway/Ogden Drive & 6th Street	Midday	0.127	A	0.279	A	0.152	NO	0.271	A	0.144	NO
15.	LA	Curson Avenue & 6th St	Midday	0.240	A	0.265	A	0.025	NO	0.264	A	0.024	NO
16.	LA	Hauser Boulevard & 6th Street	Midday	0.531	A	0.549	A	0.018	NO	0.551	A	0.020	NO
17.	LA	Burnside Avenue & 6th Street	Midday	0.217	A	0.244	A	0.027	NO	0.227	A	0.010	NO
18.	LA	Cochran Avenue & 6th Street	Midday	0.432	A	0.453	A	0.021	NO	0.450	A	0.018	NO
19.	LA	La Brea Avenue & 6th Street	Midday	0.749	C	0.765	C	0.016	NO	0.763	C	0.014	NO

**Notes**

LA = Los Angeles BH = Beverly Hills WH = West Hollywood

[a] Mitigation includes transit connectivity enhancements and transportation systems management (TSM).

**TABLE 3-C (continued)**  
**EXISTING WITH PROJECT WITH MITIGATION CONDITIONS - MUSEUM - SATURDAY**  
**SIGNIFICANT IMPACT ANALYSIS**

No	City	Intersection	Peak Hour	Saturday									
				Existing		Existing with Project				Existing with Project with Mitigation [a]			
				V/C or Delay	LOS	V/C or Delay	LOS	$\Delta$ V/C or Delay	Impact	V/C or Delay	LOS	$\Delta$ V/C or Delay	Impact
20.	BH	La Cienega Boulevard & Wilshire Boulevard	Midday	0.818	D	0.823	D	0.005	NO	0.823	D	0.005	NO
21.	LA	San Vicente Boulevard & Wilshire Boulevard	Midday	0.299	A	0.303	A	0.004	NO	0.303	A	0.004	NO
22.	LA	Crescent Heights Boulevard/McCarthy Vista & Wilshire Boulevard	Midday	0.459	A	0.469	A	0.010	NO	0.467	A	0.008	NO
23.	LA	Fairfax Avenue & Wilshire Boulevard	Midday	0.633	B	0.675	B	0.042	NO	0.651	B	0.018	NO
24.	LA	Spaulding Avenue & Wilshire Boulevard	Midday	0.313	A	0.361	A	0.048	NO	0.351	A	0.038	NO
25.	LA	Curson Avenue & Wilshire Boulevard	Midday	0.435	A	0.457	A	0.022	NO	0.454	A	0.019	NO
26.	LA	Hauser Boulevard & Wilshire Boulevard	Midday	0.677	B	0.685	B	0.008	NO	0.683	B	0.006	NO
27.	LA	Cochran Avenue & Wilshire Boulevard	Midday	0.431	A	0.445	A	0.014	NO	0.443	A	0.012	NO
28.	LA	La Brea Avenue & Wilshire Boulevard	Midday	0.685	B	0.697	B	0.012	NO	0.696	B	0.011	NO
29.	LA	Fairfax Avenue & 8th Street	Midday	0.358	A	0.383	A	0.025	NO	0.370	A	0.012	NO
30.	LA	McCarthy Vista/Carillo Drive & San Vicente Boulevard	Midday	0.302	A	0.309	A	0.007	NO	0.308	A	0.006	NO
31.	LA	Carillo Drive/Crescent Heights Boulevard & Olympic Boulevard	Midday	0.472	A	0.488	A	0.016	NO	0.486	A	0.014	NO
32.	LA	Fairfax Avenue & San Vicente Boulevard	Midday	0.419	A	0.447	A	0.028	NO	0.432	A	0.013	NO
33.	LA	Fairfax Avenue & Olympic Boulevard	Midday	0.497	A	0.513	A	0.016	NO	0.501	A	0.004	NO
34.	LA	San Vicente Boulevard & Olympic Boulevard	Midday	0.285	A	0.287	A	0.002	NO	0.287	A	0.002	NO
35.	LA	Curson Avenue & Olympic Boulevard	Midday	0.273	A	0.281	A	0.008	NO	0.281	A	0.008	NO
36.	LA	Hauser Boulevard & Olympic Boulevard	Midday	0.537	A	0.543	A	0.006	NO	0.541	A	0.004	NO
37.	LA	Cochran Avenue & Olympic Boulevard	Midday	0.347	A	0.354	A	0.007	NO	0.354	A	0.007	NO
38.	LA	Fairfax Avenue & Pico Boulevard	Midday	0.598	A	0.605	B	0.007	NO	0.595	A	-0.003	NO

**Notes**

LA = Los Angeles BH = Beverly Hills WH = West Hollywood

[a] Mitigation includes transit connectivity enhancements and transportation systems management (TSM).

**TABLE 4-A  
FUTURE WITH PROJECT WITH MITIGATION CONDITIONS (YEAR 2017) - MUSEUM - WEEKDAY  
SIGNIFICANT IMPACT ANALYSIS**

No	City	Intersection	Peak Hour	Weekday									
				Future without Project		Future with Project				Future with Project with Mitigation [a]			
				V/C or Delay	LOS	V/C or Delay	LOS	ΔV/C or Delay	Impact	V/C or Delay	LOS	ΔV/C or Delay	Impact
1.	LA	Fairfax Avenue & Sunset Boulevard	Midday	0.774	C	0.785	C	0.011	NO	0.774	C	0.000	NO
			PM	0.787	C	0.793	C	0.006	NO	0.782	C	-0.005	NO
2.	WH	Fairfax Avenue & Santa Monica Boulevard	Midday	75.4	E	79.8	E	4.4	NO	79.2	E	3.8	NO
			PM	107.4	F	110.4	F	3.0	NO	110.0	F	2.6	NO
3.	LA	Fairfax Avenue & Melrose Avenue	Midday	0.711	C	0.719	C	0.008	NO	0.708	C	-0.003	NO
			PM	0.869	D	0.876	D	0.007	NO	0.865	D	-0.004	NO
4.	LA	Fairfax Avenue & Beverly Boulevard	Midday	0.944	E	0.960	E	0.016	YES	0.944	E	0.000	NO
			PM	0.965	E	0.973	E	0.008	NO	0.961	E	-0.004	NO
5.	LA	Crescent Heights Boulevard & 3rd Street	Midday	0.782	C	0.785	C	0.003	NO	0.785	C	0.003	NO
			PM	0.847	D	0.847	D	0.000	NO	0.847	D	0.000	NO
6.	LA	Fairfax Avenue & 3rd Street	Midday	0.886	D	0.899	D	0.013	NO	0.888	D	0.002	NO
			PM	0.947	E	0.952	E	0.005	NO	0.940	E	-0.007	NO
7.	LA	Martel Avenue/Hauser Boulevard & 3rd Street	Midday	0.697	B	0.703	C	0.006	NO	0.702	C	0.005	NO
			PM	0.803	D	0.804	D	0.001	NO	0.804	D	0.001	NO
8.	LA	Alta Vista Boulevard/Cochran Avenue & 3rd Street	Midday	0.465	A	0.477	A	0.012	NO	0.476	A	0.011	NO
			PM	0.595	A	0.600	A	0.005	NO	0.599	A	0.004	NO
9.	LA	La Brea Avenue & 3rd Street	Midday	0.926	E	0.930	E	0.004	NO	0.929	E	0.003	NO
			PM	0.858	D	0.861	D	0.003	NO	0.861	D	0.003	NO
10.	LA	Fairfax Avenue & Colgate Avenue	Midday	0.497	A	0.510	A	0.013	NO	0.497	A	0.000	NO
			PM	0.515	A	0.528	A	0.013	NO	0.517	A	0.002	NO
11.	LA	San Vicente Boulevard & 6th Street	Midday	0.337	A	0.345	A	0.008	NO	0.344	A	0.007	NO
			PM	0.507	A	0.510	A	0.003	NO	0.509	A	0.002	NO
12.	LA	Crescent Heights Boulevard & 6th Street	Midday	0.463	A	0.479	A	0.016	NO	0.477	A	0.014	NO
			PM	0.652	B	0.661	B	0.009	NO	0.661	B	0.009	NO
13.	LA	Fairfax Avenue & 6th Street	Midday	0.665	B	0.720	C	0.055	YES	0.701	C	0.036	NO
			PM	0.749	C	0.786	C	0.037	NO	0.771	C	0.022	NO
14.	LA	LACMA Driveway/Ogden Drive & 6th Street	Midday	0.146	A	0.297	A	0.151	NO	0.289	A	0.143	NO
			PM	0.251	A	0.386	A	0.135	NO	0.369	A	0.118	NO
15.	LA	Curson Avenue & 6th St	Midday	0.273	A	0.301	A	0.028	NO	0.300	A	0.027	NO
			PM	0.456	A	0.487	A	0.031	NO	0.483	A	0.027	NO
16.	LA	Hauser Boulevard & 6th Street	Midday	0.459	A	0.491	A	0.032	NO	0.491	A	0.032	NO
			PM	0.671	B	0.697	B	0.026	NO	0.694	B	0.023	NO
17.	LA	Burnside Avenue & 6th Street	Midday	0.274	A	0.288	A	0.014	NO	0.287	A	0.013	NO
			PM	0.568	A	0.589	A	0.021	NO	0.588	A	0.020	NO
18.	LA	Cochran Avenue & 6th Street	Midday	0.441	A	0.477	A	0.036	NO	0.472	A	0.031	NO
			PM	0.722	C	0.753	C	0.031	NO	0.750	C	0.028	NO
19.	LA	La Brea Avenue & 6th Street	Midday	0.773	C	0.789	C	0.016	NO	0.787	C	0.014	NO
			PM	0.697	B	0.706	C	0.009	NO	0.705	C	0.008	NO

**Notes**

LA = Los Angeles BH = Beverly Hills WH = West Hollywood

[a] Mitigation includes transit connectivity enhancements and transportation systems management (TSM).

**TABLE 4-A (continued)**  
**FUTURE WITH PROJECT WITH MITIGATION CONDITIONS (YEAR 2017) - MUSEUM - WEEKDAY**  
**SIGNIFICANT IMPACT ANALYSIS**

No	City	Intersection	Peak Hour	Weekday									
				Future without Project		Future with Project				Future with Project with Mitigation [a]			
				V/C or Delay	LOS	V/C or Delay	LOS	$\Delta$ V/C or Delay	Impact	V/C or Delay	LOS	$\Delta$ V/C or Delay	Impact
20.	BH	La Cienega Boulevard & Wilshire Boulevard	Midday PM	0.959 1.044	E F	0.964 1.045	E F	0.005 0.001	NO NO	0.964 1.045	E F	0.005 0.001	NO NO
21.	LA	San Vicente Boulevard & Wilshire Boulevard	Midday PM	0.494 0.764	A C	0.500 0.765	A C	0.006 0.001	NO NO	0.499 0.765	A C	0.005 0.001	NO NO
22.	LA	Crescent Heights Boulevard/McCarthy Vista & Wilshire Boulevard	Midday PM	0.586 0.756	A C	0.597 0.761	A C	0.011 0.005	NO NO	0.595 0.761	A C	0.009 0.005	NO NO
23.	LA	Fairfax Avenue & Wilshire Boulevard	Midday PM	0.773 0.891	C D	0.816 0.907	D E	0.043 0.016	YES YES	0.792 0.894	C D	0.019 0.003	NO NO
24.	LA	Spaulding Avenue & Wilshire Boulevard	Midday PM	0.351 0.367	A A	0.443 0.417	A A	0.092 0.050	NO NO	0.433 0.413	A A	0.082 0.046	NO NO
25.	LA	Curson Avenue & Wilshire Boulevard	Midday PM	0.577 0.623	A B	0.597 0.631	A B	0.020 0.008	NO NO	0.595 0.631	A B	0.018 0.008	NO NO
26.	LA	Hauser Boulevard & Wilshire Boulevard	Midday PM	0.669 0.700	B B	0.682 0.716	B C	0.013 0.016	NO NO	0.681 0.715	B C	0.012 0.015	NO NO
27.	LA	Cochran Avenue & Wilshire Boulevard	Midday PM	0.473 0.602	A B	0.483 0.613	A B	0.010 0.011	NO NO	0.481 0.612	A B	0.008 0.010	NO NO
28.	LA	La Brea Avenue & Wilshire Boulevard	Midday PM	0.773 0.870	C D	0.784 0.876	C D	0.011 0.006	NO NO	0.783 0.875	C D	0.010 0.005	NO NO
29.	LA	Fairfax Avenue & 8th Street	Midday PM	0.368 0.569	A A	0.393 0.576	A A	0.025 0.007	NO NO	0.380 0.566	A A	0.012 -0.003	NO NO
30.	LA	McCarthy Vista/Carillo Drive & San Vicente Boulevard	Midday PM	0.494 0.597	A A	0.501 0.601	A B	0.007 0.004	NO NO	0.500 0.600	A A	0.006 0.003	NO NO
31.	LA	Carillo Drive/Crescent Heights Boulevard & Olympic Boulevard	Midday PM	0.602 0.677	B B	0.619 0.685	B B	0.017 0.008	NO NO	0.616 0.684	B B	0.014 0.007	NO NO
32.	LA	Fairfax Avenue & San Vicente Boulevard	Midday PM	0.465 0.552	A A	0.482 0.569	A A	0.017 0.017	NO NO	0.470 0.557	A A	0.005 0.005	NO NO
33.	LA	Fairfax Avenue & Olympic Boulevard	Midday PM	0.609 0.818	B D	0.624 0.833	B D	0.015 0.015	NO NO	0.612 0.821	B D	0.003 0.003	NO NO
34.	LA	San Vicente Boulevard & Olympic Boulevard	Midday PM	0.348 0.680	A B	0.351 0.682	A B	0.003 0.002	NO NO	0.351 0.682	A B	0.003 0.002	NO NO
35.	LA	Curson Avenue & Olympic Boulevard	Midday PM	0.335 0.651	A B	0.341 0.660	A B	0.006 0.009	NO NO	0.341 0.659	A B	0.006 0.008	NO NO
36.	LA	Hauser Boulevard & Olympic Boulevard	Midday PM	0.504 0.829	A D	0.507 0.833	A D	0.003 0.004	NO NO	0.507 0.832	A D	0.003 0.003	NO NO
37.	LA	Cochran Avenue & Olympic Boulevard	Midday PM	0.335 0.637	A B	0.340 0.645	A B	0.005 0.008	NO NO	0.340 0.644	A B	0.005 0.007	NO NO
38.	LA	Fairfax Avenue & Pico Boulevard	Midday PM	0.664 0.812	B D	0.671 0.822	B D	0.007 0.010	NO NO	0.661 0.811	B D	-0.003 -0.001	NO NO

**Notes**

LA = Los Angeles BH = Beverly Hills WH = West Hollywood

[a] Mitigation includes transit connectivity enhancements and transportation systems management (TSM).



**TABLE 4-B  
FUTURE WITH PROJECT WITH MITIGATION CONDITIONS (YEAR 2017) - MUSEUM - FRIDAY  
SIGNIFICANT IMPACT ANALYSIS**

No	City	Intersection	Peak Hour	Friday									
				Future without Project		Future with Project				Future with Project with Mitigation [a]			
				V/C or Delay	LOS	V/C or Delay	LOS	ΔV/C or Delay	Impact	V/C or Delay	LOS	ΔV/C or Delay	Impact
1.	LA	Fairfax Avenue & Sunset Boulevard	Midday PM	0.832 0.833	D D	0.843 0.839	D D	0.011 0.006	NO NO	0.832 0.828	D D	0.000 -0.005	NO NO
2.	WH	Fairfax Avenue & Santa Monica Boulevard	Midday PM	76.3 89.2	E F	81.2 92.6	F F	4.9 3.4	NO NO	80.6 92.1	F F	4.3 2.9	NO NO
3.	LA	Fairfax Avenue & Melrose Avenue	Midday PM	0.731 0.858	C D	0.737 0.866	C D	0.006 0.008	NO NO	0.726 0.854	C D	-0.005 -0.004	NO NO
4.	LA	Fairfax Avenue & Beverly Boulevard	Midday PM	0.973 0.937	E E	0.990 0.944	E E	0.017 0.007	YES NO	0.974 0.933	E E	0.001 -0.004	NO NO
5.	LA	Crescent Heights Boulevard & 3rd Street	Midday PM	0.843 0.753	D C	0.846 0.753	D C	0.003 0.000	NO NO	0.845 0.753	D C	0.002 0.000	NO NO
6.	LA	Fairfax Avenue & 3rd Street	Midday PM	0.875 0.893	D D	0.888 0.896	D D	0.013 0.003	NO NO	0.877 0.886	D D	0.002 -0.007	NO NO
7.	LA	Martel Avenue/Hauser Boulevard & 3rd Street	Midday PM	0.763 0.812	C D	0.769 0.813	C D	0.006 0.001	NO NO	0.768 0.813	C D	0.005 0.001	NO NO
8.	LA	Alta Vista Boulevard/Cochran Avenue & 3rd Street	Midday PM	0.515 0.647	A B	0.525 0.661	A B	0.010 0.014	NO NO	0.523 0.659	A B	0.008 0.012	NO NO
9.	LA	La Brea Avenue & 3rd Street	Midday PM	0.943 0.890	E D	0.947 0.893	E D	0.004 0.003	NO NO	0.947 0.893	E D	0.004 0.003	NO NO
10.	LA	Fairfax Avenue & Colgate Avenue	Midday PM	0.468 0.559	A A	0.477 0.572	A A	0.009 0.013	NO NO	0.463 0.560	A A	-0.005 0.001	NO NO
11.	LA	San Vicente Boulevard & 6th Street	Midday PM	0.395 0.569	A A	0.403 0.571	A A	0.008 0.002	NO NO	0.402 0.571	A A	0.007 0.002	NO NO
12.	LA	Crescent Heights Boulevard & 6th Street	Midday PM	0.494 0.599	A A	0.510 0.610	A B	0.016 0.011	NO NO	0.509 0.609	A B	0.015 0.010	NO NO
13.	LA	Fairfax Avenue & 6th Street	Midday PM	0.674 0.783	B C	0.729 0.819	C D	0.055 0.036	YES YES	0.710 0.805	C D	0.036 0.022	NO YES
14.	LA	LACMA Driveway/Ogden Drive & 6th Street	Midday PM	0.172 0.307	A A	0.324 0.443	A A	0.152 0.136	NO NO	0.317 0.426	A A	0.145 0.119	NO NO
15.	LA	Curson Avenue & 6th St	Midday PM	0.297 0.527	A A	0.325 0.557	A A	0.028 0.030	NO NO	0.325 0.555	A A	0.028 0.028	NO NO
16.	LA	Hauser Boulevard & 6th Street	Midday PM	0.523 0.725	A C	0.599 0.751	A C	0.076 0.026	NO NO	0.605 0.747	B C	0.082 0.022	NO NO
17.	LA	Burnside Avenue & 6th Street	Midday PM	0.277 0.593	A A	0.287 0.615	A B	0.010 0.022	NO NO	0.286 0.613	A B	0.009 0.020	NO NO
18.	LA	Cochran Avenue & 6th Street	Midday PM	0.530 0.763	A C	0.556 0.795	A C	0.026 0.032	NO NO	0.552 0.791	A C	0.022 0.028	NO NO
19.	LA	La Brea Avenue & 6th Street	Midday PM	0.727 0.743	C C	0.743 0.752	C C	0.016 0.009	NO NO	0.741 0.751	C C	0.014 0.008	NO NO

**Notes**

LA = Los Angeles BH = Beverly Hills WH = West Hollywood

[a] Mitigation includes transit connectivity enhancements and transportation systems management (TSM).

**TABLE 4-B (continued)**  
**FUTURE WITH PROJECT WITH MITIGATION CONDITIONS (YEAR 2017) - MUSEUM - FRIDAY**  
**SIGNIFICANT IMPACT ANALYSIS**

No	City	Intersection	Peak Hour	Friday									
				Future without Project		Future with Project				Future with Project with Mitigation [a]			
				V/C or Delay	LOS	V/C or Delay	LOS	$\Delta$ V/C or Delay	Impact	V/C or Delay	LOS	$\Delta$ V/C or Delay	Impact
20.	BH	La Cienega Boulevard & Wilshire Boulevard	Midday PM	0.929 1.035	E F	0.934 1.036	E F	0.005 0.001	NO NO	0.933 1.036	E F	0.004 0.001	NO NO
21.	LA	San Vicente Boulevard & Wilshire Boulevard	Midday PM	0.542 0.731	A C	0.548 0.733	A C	0.006 0.002	NO NO	0.548 0.732	A C	0.006 0.001	NO NO
22.	LA	Crescent Heights Boulevard/McCarthy Vista & Wilshire Boulevard	Midday PM	0.625 0.757	B C	0.635 0.762	B C	0.010 0.005	NO NO	0.633 0.762	B C	0.008 0.005	NO NO
23.	LA	Fairfax Avenue & Wilshire Boulevard	Midday PM	0.805 0.859	D D	0.848 0.875	D D	0.043 0.016	YES NO	0.824 0.862	D D	0.019 0.003	NO NO
24.	LA	Spaulding Avenue & Wilshire Boulevard	Midday PM	0.416 0.413	A A	0.463 0.462	A A	0.047 0.049	NO NO	0.453 0.458	A A	0.037 0.045	NO NO
25.	LA	Curson Avenue & Wilshire Boulevard	Midday PM	0.574 0.662	A B	0.587 0.669	A B	0.013 0.007	NO NO	0.585 0.669	A B	0.011 0.007	NO NO
26.	LA	Hauser Boulevard & Wilshire Boulevard	Midday PM	0.674 0.699	B B	0.685 0.715	B C	0.011 0.016	NO NO	0.683 0.713	B C	0.009 0.014	NO NO
27.	LA	Cochran Avenue & Wilshire Boulevard	Midday PM	0.579 0.549	A A	0.590 0.558	A A	0.011 0.009	NO NO	0.588 0.557	A A	0.009 0.008	NO NO
28.	LA	La Brea Avenue & Wilshire Boulevard	Midday PM	0.847 0.891	D D	0.859 0.899	D D	0.012 0.008	NO NO	0.858 0.898	D D	0.011 0.007	NO NO
29.	LA	Fairfax Avenue & 8th Street	Midday PM	0.394 0.605	A B	0.419 0.613	A B	0.025 0.008	NO NO	0.406 0.602	A B	0.012 -0.003	NO NO
30.	LA	McCarthy Vista/Carillo Drive & San Vicente Boulevard	Midday PM	0.445 0.610	A B	0.453 0.614	A B	0.008 0.004	NO NO	0.451 0.613	A B	0.006 0.003	NO NO
31.	LA	Carillo Drive/Crescent Heights Boulevard & Olympic Boulevard	Midday PM	0.677 0.695	B B	0.694 0.700	B B	0.017 0.005	NO NO	0.691 0.699	B B	0.014 0.004	NO NO
32.	LA	Fairfax Avenue & San Vicente Boulevard	Midday PM	0.553 0.553	A A	0.569 0.572	A A	0.016 0.019	NO NO	0.557 0.559	A A	0.004 0.006	NO NO
33.	LA	Fairfax Avenue & Olympic Boulevard	Midday PM	0.636 0.802	B D	0.646 0.817	B D	0.010 0.015	NO NO	0.635 0.806	B D	-0.001 0.004	NO NO
34.	LA	San Vicente Boulevard & Olympic Boulevard	Midday PM	0.424 0.657	A B	0.426 0.659	A B	0.002 0.002	NO NO	0.426 0.659	A B	0.002 0.002	NO NO
35.	LA	Curson Avenue & Olympic Boulevard	Midday PM	0.384 0.650	A B	0.392 0.659	A B	0.008 0.009	NO NO	0.391 0.658	A B	0.007 0.008	NO NO
36.	LA	Hauser Boulevard & Olympic Boulevard	Midday PM	0.649 0.825	B D	0.655 0.830	B D	0.006 0.005	NO NO	0.653 0.830	B D	0.004 0.005	NO NO
37.	LA	Cochran Avenue & Olympic Boulevard	Midday PM	0.420 0.566	A A	0.427 0.574	A A	0.007 0.008	NO NO	0.426 0.573	A A	0.006 0.007	NO NO
38.	LA	Fairfax Avenue & Pico Boulevard	Midday PM	0.671 0.824	B D	0.678 0.835	B D	0.007 0.011	NO NO	0.667 0.823	B D	-0.004 -0.001	NO NO

**Notes**

LA = Los Angeles BH = Beverly Hills WH = West Hollywood

[a] Mitigation includes transit connectivity enhancements and transportation systems management (TSM).

**TABLE 4-C  
FUTURE WITH PROJECT WITH MITIGATION CONDITIONS (YEAR 2017) - MUSEUM - SATURDAY  
SIGNIFICANT IMPACT ANALYSIS**

No	City	Intersection	Peak Hour	Saturday									
				Future without Project		Future with Project				Future with Project with Mitigation [a]			
				V/C or Delay	LOS	V/C or Delay	LOS	ΔV/C or Delay	Impact	V/C or Delay	LOS	ΔV/C or Delay	Impact
1.	LA	Fairfax Avenue & Sunset Boulevard	Midday	0.822	D	0.833	D	0.011	NO	0.822	D	0.000	NO
2.	WH	Fairfax Avenue & Santa Monica Boulevard	Midday	109.0	F	113.7	F	4.7	NO	113.1	F	4.1	NO
3.	LA	Fairfax Avenue & Melrose Avenue	Midday	0.748	C	0.755	C	0.007	NO	0.744	C	-0.004	NO
4.	LA	Fairfax Avenue & Beverly Boulevard	Midday	0.970	E	0.987	E	0.017	YES	0.970	E	0.000	NO
5.	LA	Crescent Heights Boulevard & 3rd Street	Midday	0.825	D	0.827	D	0.002	NO	0.827	D	0.002	NO
6.	LA	Fairfax Avenue & 3rd Street	Midday	0.883	D	0.896	D	0.013	NO	0.884	D	0.001	NO
7.	LA	Martel Avenue/Hauser Boulevard & 3rd Street	Midday	0.672	B	0.677	B	0.005	NO	0.677	B	0.005	NO
8.	LA	Alta Vista Boulevard/Cochran Avenue & 3rd Street	Midday	0.484	A	0.494	A	0.010	NO	0.493	A	0.009	NO
9.	LA	La Brea Avenue & 3rd Street	Midday	0.992	E	0.996	E	0.004	NO	0.995	E	0.003	NO
10.	LA	Fairfax Avenue & Colgate Avenue	Midday	0.433	A	0.445	A	0.012	NO	0.431	A	-0.002	NO
11.	LA	San Vicente Boulevard & 6th Street	Midday	0.246	A	0.254	A	0.008	NO	0.253	A	0.007	NO
12.	LA	Crescent Heights Boulevard & 6th Street	Midday	0.462	A	0.479	A	0.017	NO	0.477	A	0.015	NO
13.	LA	Fairfax Avenue & 6th Street	Midday	0.612	B	0.666	B	0.054	NO	0.647	B	0.035	NO
14.	LA	LACMA Driveway/Ogden Drive & 6th Street	Midday	0.143	A	0.295	A	0.152	NO	0.287	A	0.144	NO
15.	LA	Curson Avenue & 6th St	Midday	0.261	A	0.285	A	0.024	NO	0.285	A	0.024	NO
16.	LA	Hauser Boulevard & 6th Street	Midday	0.568	A	0.623	B	0.055	NO	0.629	B	0.061	NO
17.	LA	Burnside Avenue & 6th Street	Midday	0.260	A	0.274	A	0.014	NO	0.273	A	0.013	NO
18.	LA	Cochran Avenue & 6th Street	Midday	0.466	A	0.487	A	0.021	NO	0.484	A	0.018	NO
19.	LA	La Brea Avenue & 6th Street	Midday	0.843	D	0.859	D	0.016	NO	0.857	D	0.014	NO

**Notes**

LA = Los Angeles BH = Beverly Hills WH = West Hollywood

[a] Mitigation includes transit connectivity enhancements and transportation systems management (TSM).

**TABLE 4-C (continued)  
FUTURE WITH PROJECT WITH MITIGATION CONDITIONS (YEAR 2017) - MUSEUM - SATURDAY  
SIGNIFICANT IMPACT ANALYSIS**

No	City	Intersection	Peak Hour	Saturday									
				Future without Project		Future with Project				Future with Project with Mitigation [a]			
				V/C or Delay	LOS	V/C or Delay	LOS	$\Delta$ V/C or Delay	Impact	V/C or Delay	LOS	$\Delta$ V/C or Delay	Impact
20.	BH	La Cienega Boulevard & Wilshire Boulevard	Midday	0.913	E	0.918	E	0.005	NO	0.918	E	0.005	NO
21.	LA	San Vicente Boulevard & Wilshire Boulevard	Midday	0.339	A	0.343	A	0.004	NO	0.343	A	0.004	NO
22.	LA	Crescent Heights Boulevard/McCarthy Vista & Wilshire Boulevard	Midday	0.513	A	0.523	A	0.010	NO	0.521	A	0.008	NO
23.	LA	Fairfax Avenue & Wilshire Boulevard	Midday	0.731	C	0.773	C	0.042	YES	0.749	C	0.018	NO
24.	LA	Spaulding Avenue & Wilshire Boulevard	Midday	0.351	A	0.429	A	0.078	NO	0.419	A	0.068	NO
25.	LA	Curson Avenue & Wilshire Boulevard	Midday	0.534	A	0.555	A	0.021	NO	0.553	A	0.019	NO
26.	LA	Hauser Boulevard & Wilshire Boulevard	Midday	0.769	C	0.776	C	0.007	NO	0.775	C	0.006	NO
27.	LA	Cochran Avenue & Wilshire Boulevard	Midday	0.512	A	0.527	A	0.015	NO	0.524	A	0.012	NO
28.	LA	La Brea Avenue & Wilshire Boulevard	Midday	0.817	D	0.829	D	0.012	NO	0.828	D	0.011	NO
29.	LA	Fairfax Avenue & 8th Street	Midday	0.396	A	0.421	A	0.025	NO	0.408	A	0.012	NO
30.	LA	McCarthy Vista/Carillo Drive & San Vicente Boulevard	Midday	0.327	A	0.333	A	0.006	NO	0.333	A	0.006	NO
31.	LA	Carillo Drive/Crescent Heights Boulevard & Olympic Boulevard	Midday	0.507	A	0.523	A	0.016	NO	0.521	A	0.014	NO
32.	LA	Fairfax Avenue & San Vicente Boulevard	Midday	0.463	A	0.490	A	0.027	NO	0.476	A	0.013	NO
33.	LA	Fairfax Avenue & Olympic Boulevard	Midday	0.547	A	0.562	A	0.015	NO	0.551	A	0.004	NO
34.	LA	San Vicente Boulevard & Olympic Boulevard	Midday	0.311	A	0.313	A	0.002	NO	0.313	A	0.002	NO
35.	LA	Curson Avenue & Olympic Boulevard	Midday	0.300	A	0.307	A	0.007	NO	0.307	A	0.007	NO
36.	LA	Hauser Boulevard & Olympic Boulevard	Midday	0.575	A	0.582	A	0.007	NO	0.580	A	0.005	NO
37.	LA	Cochran Avenue & Olympic Boulevard	Midday	0.372	A	0.379	A	0.007	NO	0.379	A	0.007	NO
38.	LA	Fairfax Avenue & Pico Boulevard	Midday	0.649	B	0.655	B	0.006	NO	0.644	B	-0.005	NO

**Notes**

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[a] Mitigation includes transit connectivity enhancements and transportation systems management (TSM).

**TABLE 5  
TRIP GENERATION  
MUSEUM - AM PEAK HOUR**

Land Use	Size	Trip Generation		
		AM Peak Hour [a]		
		Inbound	Outbound	Total
<b><u>Trip Generation Rates</u></b>				
Museum Visitors [b]	per visitor	1.00	--	0.0067
Museum Employees [c]	per employee	1.00	--	0.60
Specialty Retail (ITE 826) [d]	per 1,000 sf	0.62	0.38	0.70
High-Turnover Restaurant (ITE 932) [d]	per 1,000 sf	0.55	0.45	10.81
<b><u>Project Trip Generation Estimates</u></b>				
Museum				
Visitors [e]	5,000 visitors	34	--	34
Less 15% Transit Reduction [f]		(5)	--	(5)
Less 5% Walk-Ins [g]		0	--	0
<b>Subtotal - Museum Visitors</b>		<b>29</b>	<b>--</b>	<b>29</b>
Employees [h]	135 emp	81	--	81
Less 15% Transit Reduction [f]		(12)	--	(12)
<b>Subtotal - Museum Employees</b>		<b>69</b>	<b>--</b>	<b>69</b>
Museum Store	3,000 sf	1	1	2
Less 50 % Internal Capture [i]		(1)	(1)	(1)
Less 15% Walk-Ins [j]		0	0	0
<b>Subtotal - Museum Store</b>		<b>0</b>	<b>0</b>	<b>1</b>
Museum Café	6,000 sf	36	29	65
Less 50 % Internal Capture [i]		(18)	(15)	(33)
Less 15% Walk-Ins [j]		(3)	(2)	(5)
<b>Subtotal - Museum Café</b>		<b>15</b>	<b>12</b>	<b>27</b>
<b>TOTAL - REVISED PROJECT</b>		<b>113</b>	<b>12</b>	<b>126</b>
<b>TOTAL - SUPPLEMENTAL ANALYSIS MEMO [k]</b>		<b>109</b>	<b>9</b>	<b>118</b>
<b>NET INCREASE</b>		<b>4</b>	<b>3</b>	<b>8</b>

Notes

- [a] The AM peak hour represents the highest hour from 7:00 AM to 10:00 AM.
- [b] The Museum visitor rates were developed assuming the following:  
A trip rate of 1 trip per 3 visitors (3.0 AVR) was used to estimate the number of vehicle trips.  
(5,000 daily visitors / 3.0 AVR) x 2 trips (1 inbound, 1 outbound) = 3,334 daily visitor trips.  
The hourly arrival/departure pattern, provided by AMPAS, was used to determine the trip generation patterns during the peak hours.  
Although tour/school buses are anticipated to arrive over the course of a day, which would result in a reduced number of visitor vehicles due the higher seating capacity (AVR). This trip estimate assumes that all Museum visitors arrive by private vehicle, resulting in a conservative number of vehicle trips associated with Museum visitors.
- [c] The Museum employee trip generation rates were developed assuming the following:  
A trip generation rate of 1 trip per employee (1.0 AVR) conservatively assumes no reductions related to carpooling.  
(135 employees / 1.0 AVR) x 2 trips (1 inbound, 1 outbound) = 270 daily employee trips.  
It is assumed that 60% of the employees would arrive during the AM peak hour.
- [d] AM trip generation rates from from *Trip Generation, 9th Edition*, Institute of Transportation Engineers, 2012.
- [e] Number of museum visitors based on the design day attendance of 5,000 visitors, provided by AMPAS.  
This day represents a 90th percentile attendance level. In general, the design day falls on weekends or holidays. Trip generation is conservatively based on the design day attendance.
- [f] Increased transit reduction as a result of transit connectivity enhancements.
- [g] Walk-in reduction to account for non-auto/walking visitor arrivals from the adjacent neighborhood and adjacent cultural facilities.
- [h] Employee total as provided by AMPAS.
- [i] Internal capture reduction to account for visitors from AMMP.
- [j] Walk-in reduction to account for walking visitor arrivals from the surrounding neighborhood and adjacent commercial developments.
- [k] Trip generation estimates from Appendix B, Supplemental Traffic Analysis Memorandum of the Final EIR.

**TABLE 6  
EXISTING WITH PROJECT CONDITIONS - MUSEUM - WEEKDAY AM PEAK HOUR  
SIGNIFICANT IMPACT ANALYSIS**

No	City	Intersection	Peak Hour	Weekday					
				Existing		Existing with Project		Change in V/C or Delay	Impact
				V/C or Delay	LOS	V/C or Delay	LOS		
13.	LA	Fairfax Avenue & 6th Street	AM	0.706	C	0.708	C	0.002	NO
15.	LA	Curson Avenue & 6th St	AM	0.505	A	0.513	A	0.008	NO
23.	LA	Fairfax Avenue & Wilshire Boulevard	AM	0.787	C	0.793	C	0.006	NO
25.	LA	Curson Avenue & Wilshire Boulevard	AM	0.583	A	0.587	A	0.004	NO
29.	LA	Fairfax Avenue & 8th Street	AM	0.352	A	0.363	A	0.011	NO

**TABLE 7  
 FUTURE WITH PROJECT CONDITIONS (YEAR 2017) - MUSEUM - WEEKDAY AM PEAK HOUR  
 SIGNIFICANT IMPACT ANALYSIS**

No	City	Intersection	Peak Hour	Weekday					
				Future without Project		Future with Project		Change in V/C or Delay	Impact
				V/C or Delay	LOS	V/C or Delay	LOS		
13.	LA	Fairfax Avenue & 6th Street	AM	0.764	C	0.767	C	0.003	NO
15.	LA	Curson Avenue & 6th St	AM	0.542	A	0.551	A	0.009	NO
23.	LA	Fairfax Avenue & Wilshire Boulevard	AM	1.055	F	1.061	F	0.006	NO
25.	LA	Curson Avenue & Wilshire Boulevard	AM	0.854	D	0.858	D	0.004	NO
29.	LA	Fairfax Avenue & 8th Street	AM	0.381	A	0.393	A	0.012	NO

**TABLE 8  
TRIP GENERATION ESTIMATES WITH MITIGATION  
MUSEUM [a]**

Land Use	Size	Daily Trips	Midday Peak Hour [b]			PM Peak Hour [c]		
			Inbound	Outbound	Total	Inbound	Outbound	Total
Museum [d] Visitors [e]	5,000 Visitors	3,334	367	250	617	67	283	350
Less 20 % Internal Capture [f]		(667)	(73)	(50)	(123)	(13)	(57)	(70)
Less 25% Transit Reduction [g]		(667)	(73)	(50)	(123)	(13)	(57)	(70)
Less 5% Walk-Ins [h]		(100)	(11)	(8)	(19)	(2)	(9)	(11)
Less 5% Bicycle [i]		(95)	(11)	(7)	(18)	(2)	(8)	(10)
Subtotal - Museum Visitors		1,805	199	135	334	37	152	189
Employees [j]	135 Employees	270	--	--	--	0	81	81
Less 25% Transit Reduction [g]		(41)	--	--	--	0	(20)	(20)
Subtotal - Museum Employees		229	0	0	0	0	61	61
Museum Store [k]	3,000 sf	133	3	2	5	4	4	8
Less 50 % Internal Capture [l]		(67)	(2)	(1)	(3)	(2)	(2)	(4)
Less 15% Walk-Ins [m]		(10)	0	(1)	0	0	0	0
Less 5% Bicycle [i]		(3)	0	0	0	0	0	0
Subtotal - Museum Store		53	1	0	2	2	2	4
Museum Café [n]	6,000 sf	763	31	31	62	35	24	59
Less 50 % Internal Capture [l]		(382)	(16)	(15)	(31)	(18)	(12)	(30)
Less 15% Walk-Ins [m]		(57)	(3)	(2)	(5)	(2)	(2)	(4)
Less 5% Bicycle [i]		(16)	(1)	(1)	(1)	(1)	(1)	(1)
Subtotal - Museum Café		308	11	13	25	14	9	24
<b>TOTAL - REVISED PROJECT</b>		<b>2,395</b>	<b>211</b>	<b>148</b>	<b>361</b>	<b>53</b>	<b>224</b>	<b>278</b>
<b>TOTAL - TRAFFIC STUDY [o]</b>		<b>2,328</b>	<b>209</b>	<b>145</b>	<b>353</b>	<b>49</b>	<b>223</b>	<b>271</b>
<b>NET INCREASE</b>		<b>67</b>	<b>2</b>	<b>3</b>	<b>8</b>	<b>4</b>	<b>1</b>	<b>7</b>

**Notes**

- [a] Museum operations would include permanent and changing exhibitions; film clinics, classes, and lectures; indoor and outdoor educational programs; joint school programs; receptions and sit-down dinners; and administrative functions. It may also include use of the theaters for cultural and educational programming in conjunction with daily Museum operations, during which times they would generally be publicly accessible to Museum visitors. Such theater programming may include, but may not be limited to, films to accompany permanent and changing exhibitions, educational programming, film festivals, and spoken word programs.
- [b] The midday peak hour represents the highest hour from 12:00 PM to 2:00 PM.
- [c] The PM peak hour represents the highest hour from 3:00 PM to 6:00 PM.
- [d] Hours of operation for the Museum for public visitation are anticipated between 9:00 AM and 6:00 PM and may be closed one weekday per week. Two late-night closings per week, no later than 8:00 PM, are proposed.
- [e] Number of museum visitors based on the design day attendance of 5,000 visitors, provided by AMPAS.  
This day represents a 90th percentile attendance level. In general, the design day falls on weekends or holidays. Trip generation is conservatively based on the design day attendance, where a trip rate of 1 trip per 3 visitors (3.0 AVR) was used to estimate the number of vehicle trips. (5,000 daily visitors / 3.0 AVR) x 2 trips (1 inbound, 1 outbound) = 3,334 daily visitor trips.  
The hourly arrival/departure pattern, provided by AMPAS, was used to determine the trip generation patterns during the peak hours. Although tour/school buses are anticipated to arrive over the course of a day, which would result in a reduced number of visitor vehicles due the higher seating capacity (AVR). This trip estimate assumes that all Museum visitors arrive by private vehicle, resulting in a conservative number of vehicle trips associated with Museum visitors.
- [f] Internal capture reduction to account for the LACMA visitors also visiting the AMMP.
- [g] Increased transit reduction as a result of transit connectivity enhancements.
- [h] Walk-in reduction to account for non-auto/walking visitor arrivals from the adjacent neighborhood and adjacent cultural facilities.
- [i] Bicycle credit to account for the increase in bicycling associated with the improvements of the 2010 Bicycle Plan Second Year Implementation.
- [j] Employee total as provided by AMPAS. A trip generation rate of 1 trip per employee (1.0 AVR) conservatively assumes no reductions related to carpooling. (135 employees / 1.0 AVR) x 2 trips (1 inbound, 1 outbound) = 270 daily employee trips.
- [k] Midday rates estimated by averaging the AM and PM peak hour trip rates from Trip Generation, 9th Edition (Institute of Transportation Engineers; 2012). Museum store utilizes ITE Land Use Code 826 (Specialty Retail).
- [l] Internal capture reduction to account for visitors from the AMMP or LACMA.
- [m] Walk-in reduction to account for walking visitor arrivals from the surrounding neighborhood and adjacent commercial developments.
- [n] Midday rates estimated by averaging the AM and PM peak hour trip rates from Trip Generation, 9th Edition. Museum café utilizes ITE Land Use Code 932 (High-turnover Restaurant).
- [o] Trip generation estimates from Draft EIR and Traffic Study (Appendix M-1 of the Draft EIR).



**TABLE 9-A  
FUTURE WITH PROJECT CONDITIONS (YEAR 2017) - 2010 BICYCLE PLAN SECOND YEAR IMPLEMENTATION - MUSEUM - WEEKDAY  
SIGNIFICANT IMPACT ANALYSIS**

No	City	Intersection	Peak Hour	Weekday													
				Future without Project [a]		Future with Project				Future with Project with Mitigation				Future with Project with Mitigation & Bike			
				V/C or Delay	LOS	V/C or Delay	LOS	Change in V/C or Delay	Impact	V/C or Delay	LOS	Change in V/C or Delay	Impact	V/C or Delay	LOS	Change in V/C or Delay	Impact
13.	LA	Fairfax Avenue & 6th Street	Midday PM	0.665 0.749	B C	0.720 0.786	C C	0.055 0.037	YES NO	0.701 0.771	C C	0.036 0.022	NO NO	0.698 0.771	B C	0.033 0.022	NO NO
14.	LA	LACMA Driveway/Ogden Drive & 6th Street	Midday PM	0.331 0.525	A A	0.444 0.651	A B	0.113 0.126	NO NO	0.431 0.625	A B	0.100 0.100	NO NO	0.426 0.621	A B	0.095 0.096	NO NO
15.	LA	Curson Avenue & 6th St	Midday PM	0.402 0.712	A C	0.443 0.761	A C	0.041 0.049	NO YES	0.433 0.746	A C	0.031 0.034	NO NO	0.431 0.744	A C	0.029 0.032	NO NO
16.	LA	Hauser Boulevard & 6th Street	Midday PM	0.576 1.023	A F	0.611 1.059	B F	0.035 0.036	NO YES	0.597 1.044	A F	0.021 0.021	NO YES	0.595 1.043	A F	0.019 0.020	NO YES
17.	LA	Burnside Avenue & 6th Street	Midday PM	0.443 0.833	A D	0.463 0.863	A D	0.020 0.030	NO YES	0.451 0.849	A D	0.008 0.016	NO NO	0.449 0.848	A D	0.006 0.015	NO NO
18.	LA	Cochran Avenue & 6th Street	Midday PM	0.456 0.860	A D	0.480 0.877	A D	0.024 0.017	NO NO	0.467 0.865	A D	0.011 0.005	NO NO	0.466 0.864	A D	0.010 0.004	NO NO
19.	LA	La Brea Avenue & 6th Street	Midday PM	0.773 0.697	C B	0.789 0.706	C C	0.016 0.009	NO NO	0.777 0.695	C B	0.004 -0.002	NO NO	0.776 0.695	C B	0.003 -0.002	NO NO
30.	LA	McCarthy Vista/Carillo Drive & San Vicente Boulevard	Midday PM	0.548 0.683	A B	0.555 0.689	A B	0.007 0.006	NO NO	0.554 0.688	A B	0.006 0.005	NO NO	0.554 0.688	A B	0.006 0.005	NO NO
32.	LA	Fairfax Avenue & San Vicente Boulevard	Midday PM	0.513 0.593	A A	0.527 0.569	A A	0.014 -0.024	NO NO	0.525 0.608	A B	0.012 0.015	NO NO	0.524 0.607	A B	0.011 0.014	NO NO
34.	LA	San Vicente Boulevard & Olympic Boulevard	Midday PM	0.399 0.755	A C	0.404 0.759	A C	0.005 0.004	NO NO	0.404 0.758	A C	0.005 0.003	NO NO	0.403 0.758	A C	0.004 0.003	NO NO

[a] Future conditions reflect the resulting lane configurations consistent with the City's proposed cross-sections and "Road Diet" plans.

**TABLE 9-B  
FUTURE WITH PROJECT CONDITIONS (YEAR 2017) - 2010 BICYCLE PLAN SECOND YEAR IMPLEMENTATION - MUSEUM - FRIDAY  
SIGNIFICANT IMPACT ANALYSIS**

No	City	Intersection	Peak Hour	Friday													
				Future without Project [a]		Future with Project				Future with Project with Mitigation				Future with Project with Mitigation & Bike			
				V/C or Delay	LOS	V/C or Delay	LOS	Change in V/C or Delay	Impact	V/C or Delay	LOS	Change in V/C or Delay	Impact	V/C or Delay	LOS	Change in V/C or Delay	Impact
13.	LA	Fairfax Avenue & 6th Street	Midday PM	0.674 0.783	B C	0.729 0.819	C D	0.055 0.036	YES YES	0.710 0.805	C D	0.036 0.022	NO YES	0.707 0.804	C D	0.033 0.021	NO YES
14.	LA	LACMA Driveway/Ogden Drive & 6th Street	Midday PM	0.389 0.603	A B	0.471 0.729	A C	0.082 0.126	NO YES	0.458 0.703	A C	0.069 0.100	NO YES	0.454 0.699	A B	0.065 0.096	NO NO
15.	LA	Curson Avenue & 6th St	Midday PM	0.445 0.801	A D	0.486 0.851	A D	0.041 0.050	NO YES	0.477 0.835	A D	0.032 0.034	NO YES	0.474 0.833	A D	0.029 0.032	NO YES
16.	LA	Hauser Boulevard & 6th Street	Midday PM	0.657 1.111	B F	0.679 1.147	B F	0.022 0.036	NO YES	0.667 1.132	B F	0.010 0.021	NO YES	0.665 1.131	B F	0.008 0.020	NO YES
17.	LA	Burnside Avenue & 6th Street	Midday PM	0.477 0.887	A D	0.497 0.917	A E	0.020 0.030	NO YES	0.485 0.903	A E	0.008 0.016	NO YES	0.483 0.902	A E	0.006 0.015	NO YES
18.	LA	Cochran Avenue & 6th Street	Midday PM	0.585 0.955	A E	0.599 0.972	A E	0.014 0.017	NO YES	0.587 0.960	A E	0.002 0.005	NO NO	0.587 0.959	A E	0.002 0.004	NO NO
19.	LA	La Brea Avenue & 6th Street	Midday PM	0.727 0.743	C C	0.743 0.752	C C	0.016 0.009	NO NO	0.731 0.741	C C	0.004 -0.002	NO NO	0.730 0.741	C C	0.003 -0.002	NO NO
30.	LA	McCarthy Vista/Carillo Drive & San Vicente Boulevard	Midday PM	0.523 0.676	A B	0.531 0.680	A B	0.008 0.004	NO NO	0.529 0.679	A B	0.006 0.003	NO NO	0.529 0.679	A B	0.006 0.003	NO NO
32.	LA	Fairfax Avenue & San Vicente Boulevard	Midday PM	0.618 0.622	B B	0.631 0.639	B B	0.013 0.017	NO NO	0.628 0.637	B B	0.010 0.015	NO NO	0.628 0.637	B B	0.010 0.015	NO NO
34.	LA	San Vicente Boulevard & Olympic Boulevard	Midday PM	0.482 0.723	A C	0.487 0.727	A C	0.005 0.004	NO NO	0.487 0.726	A C	0.005 0.003	NO NO	0.487 0.726	A C	0.005 0.003	NO NO

[a] Future conditions reflect the resulting lane configurations consistent with the City's proposed cross-sections and "Road Diet" plans.

**TABLE 9-C  
FUTURE WITH PROJECT CONDITIONS (YEAR 2017) - 2010 BICYCLE PLAN SECOND YEAR IMPLEMENTATION - MUSEUM - SATURDAY  
SIGNIFICANT IMPACT ANALYSIS**

No	City	Intersection	Peak Hour	Saturday													
				Future without Project [a]		Future with Project				Future with Project with Mitigation				Future with Project with Mitigation & Bike			
				V/C or Delay	LOS	V/C or Delay	LOS	Change in V/C or Delay	Impact	V/C or Delay	LOS	Change in V/C or Delay	Impact	V/C or Delay	LOS	Change in V/C or Delay	Impact
13.	LA	Fairfax Avenue & 6th Street	Midday	0.612	B	0.666	B	0.054	NO	0.647	B	0.035	NO	0.644	B	0.032	NO
14.	LA	LACMA Driveway/Ogden Drive & 6th Street	Midday	0.321	A	0.405	A	0.084	NO	0.391	A	0.070	NO	0.387	A	0.066	NO
15.	LA	Curson Avenue & 6th St	Midday	0.402	A	0.445	A	0.043	NO	0.435	A	0.033	NO	0.434	A	0.032	NO
16.	LA	Hauser Boulevard & 6th Street	Midday	0.697	B	0.729	C	0.032	NO	0.720	C	0.023	NO	0.718	C	0.021	NO
17.	LA	Burnside Avenue & 6th Street	Midday	0.390	A	0.410	A	0.020	NO	0.398	A	0.008	NO	0.397	A	0.007	NO
18.	LA	Cochran Avenue & 6th Street	Midday	0.440	A	0.459	A	0.019	NO	0.445	A	0.005	NO	0.445	A	0.005	NO
19.	LA	La Brea Avenue & 6th Street	Midday	0.843	D	0.859	D	0.016	NO	0.847	D	0.004	NO	0.847	D	0.004	NO
30.	LA	McCarthy Vista/Carillo Drive & San Vicente Boulevard	Midday	0.377	A	0.385	A	0.008	NO	0.385	A	0.008	NO	0.383	A	0.006	NO
32.	LA	Fairfax Avenue & San Vicente Boulevard	Midday	0.472	A	0.495	A	0.023	NO	0.492	A	0.020	NO	0.491	A	0.019	NO
34.	LA	San Vicente Boulevard & Olympic Boulevard	Midday	0.356	A	0.359	A	0.003	NO	0.359	A	0.003	NO	0.359	A	0.003	NO

[a] Future conditions reflect the resulting lane configurations consistent with the City's proposed cross-sections and "Road Diet" plans.

**TABLE 10  
MODIFIED PROJECT PEAK PARKING DEMAND SUMMARY**

Project	Peak Day (Weekend) [a]	Design Day [b] [c]	Typical Day (Weekday) [d]
Daily Attendance (persons)	6,300	5,000	4,200
Conversion into Vehicles (3.0 AVR) [e]	2,100	1,667	1,400
Peak Midday Parking [f]	903	717	602
Reductions [g]			
Internal Capture - 20%	(181)	(143)	(120)
Transit Credit - 15%	(108)	(86)	(72)
Walk-in Credit - 5%	(31)	(24)	(21)
<b>Net Museum Visitor Vehicles</b>	<b>583</b>	<b>464</b>	<b>389</b>
Museum Store, 3,000 sf [h]	12	11	11
Reductions [g]			
Internal Capture - 50%	(6)	(6)	(6)
Walk-in Credit - 15%	(1)	(1)	(1)
<b>Net Museum Store Visitor Vehicles</b>	<b>5</b>	<b>4</b>	<b>4</b>
Museum Café, 6,000 sf [i]	63	63	63
Reductions [g]			
Internal Capture - 50%	(32)	(32)	(32)
Walk-in Credit - 15%	(5)	(5)	(5)
<b>Net Museum Café Visitor Vehicles</b>	<b>26</b>	<b>26</b>	<b>26</b>
<b>Net Visitor Vehicles</b>	<b>614</b>	<b>494</b>	<b>419</b>
Academy Employees	50	135	135
Conversion into Vehicles (1.0 AVR) [e]	50	135	135
Reductions			
Transit Credit - 15%	(8)	(20)	(20)
<b>Net Employee Vehicles</b>	<b>42</b>	<b>115</b>	<b>115</b>
<b>Total AMMP Parking Demand [j]</b>	<b>656</b>	<b>609</b>	<b>534</b>

Notes

Museum attendance assumptions provided by the Academy.

[a] Peak day represents the day of the year with the highest attendance level.

[b] The design day is defined as the average of the top 10% of annual attendance days with the highest attendance levels.

This day represents a 90th percentile attendance level, which generally falls on weekends or holidays.

Based on information provided by the Academy, design days: 59% are Saturdays (21 days); 33% are Sundays (12 days) and 8% are Weekdays (3 days).

[c] This design day scenario reflects a weekday condition related to employees in order to provide a conservative analysis.

[d] Typical day represents general operating days and is based on estimated 75th percentile attendance level, which may occur on a weekday.

[e] Conversion of persons into vehicles, where AVR represents the average number of riders per vehicle.

[f] Based on information provided by the Academy, this value represents the peak attendance levels on-site at midday (43% of the daily attendance)

[g] Reductions to account for internal capture based on synergy of uses associated with the Museum and LACMA campus, Reduction is based on 88 bicycle parking spaces provided as part of the Project.

Reductions to account for transit usage based on proximity to transit lines and stations (e.g., Metro Rapid Bus stop), consistent with transit reductions considered by other adjacent developments, as well as LADOT guidelines. Reductions to account for walk-in patronage from adjacent neighborhoods, commercial uses, and other institutions.

The reductions have been applied consistent with the reductions utilized for the trip generation forecast for Project and are based on the location of the Project, Project operational characteristics, and characteristics of the surrounding Project area.

[h] Museum Store demand estimated based on ULI parking demand rate of 4 spaces per 1,000 sf for a retail use.

[i] Museum Café demand estimated through use of the ULI parking demand rate of 15 spaces per 1,000 sf for a family restaurant (highturnover).

[j] Peak parking demand during the midday peak of Museum operations.


***Attachment A***  
***LADOT Correspondence***

**CITY OF LOS ANGELES**  
INTER-DEPARTMENTAL CORRESPONDENCE

6067 W. Wilshire Bl  
DOT Case No. CEN 13-41266

Date: June 11, 2015

To: Karen Hoo, City Planner  
Department of City Planning

From:   
Tomas Carranza, Senior Transportation Engineer  
Department of Transportation

Subject: **SUPPLEMENTAL TRAFFIC AND PARKING ANALYSIS FOR THE  
PROPOSED ACADEMY MUSEUM OF MOTION PICTURES PROJECT**

The Department of Transportation (DOT) has reviewed the supplemental traffic and parking analysis, dated June 1, 2015, and prepared by Gibson Transportation Consulting, for the Academy Museum of Motion Pictures Project located on the northeast corner of Fairfax Avenue and Wilshire Boulevard. The most recent project scope was the subject of a traffic study prepared on January 2014, and of a DOT report dated March 28, 2014. The project has been revised and now proposes to construct a museum that accommodates 5,000 visitors and 135 employees, 3,000 square-feet of retail use, and 6,000 square-feet of restaurant use. When compared to the project proposal identified in the January 2014 study, these changes represent a reduction in retail space (museum store) and an increase in restaurant space (museum restaurant).

The supplemental analysis indicates that the change in the project's scope would not result in any new significant traffic impacts and that DOT's original findings are still valid. According to the traffic impact study from January 2014, the original project was expected to result in between one and seven significant traffic impacts, depending on the scenario studied, at the 64 intersections identified for detailed analysis. The revised project is estimated to generate 2,763 net new daily trips, 428 net new trips in the a.m. peak hour and 324 net new trips in the p.m. peak hour. Compared to the January 2014 study, this revised trip generation represents a slight increase in the daily, a.m. peak hour and p.m. peak hour trips. The supplemental traffic analysis adequately evaluated the revised project's impacts on the surrounding community.

DOT concurs with the findings of the supplemental traffic analysis. **All of the project requirements that are identified in DOT's previous letter, dated March 28, 2014 (attached for reference), should remain in effect.** If you have any questions, please contact Wes Pringle of my staff at (213) 972-8482.

s:\letters\CEN13-41266\_6067\_wilshire\_bl\_rev\_proj\_ts\_ltr

Attachment


c: Jonathan Brand, Council District 4  
Jeannie Shen, Hollywood-Wilshire District  
Taimour Tanavoli, Citywide Planning Coordination Section, DOT  
Gregg Vandergriff, Central District, BOE  
Sarah Drobis, Gibson Transportation Consulting

**CITY OF LOS ANGELES**  
INTER-DEPARTMENTAL CORRESPONDENCE

DOT Case No. CEN 13-41266  
Academy Museum of Motion Pictures

Date: March 28, 2014

To: Charlie Rausch, Senior City Planner  
Department of City Planning

From:   
Tomas Carranza, Senior Transportation Engineer  
Department of Transportation

**Subject: TRANSPORTATION ASSESSMENT OF THE PROPOSED ACADEMY  
MUSEUM OF MOTION PICTURES PROJECT LOCATED AT 6067 WEST  
WILSHIRE BOULEVARD**

The Department of Transportation (DOT) has reviewed the transportation study, dated January 2014, prepared by Gibson Transportation Consulting, for the proposed Academy Museum of Motion Pictures Project. The project is located at the May Company Building on the Los Angeles County Museum of Art (LACMA) campus on the northeast corner of Fairfax Avenue and Wilshire Boulevard. The analysis evaluated time periods with the highest anticipated traffic for two operational scenarios: Museum and Theater Special Event. For the Museum, including theater use, the study analyzed the following time periods: weekday midday, weekday p.m. peak commute hour conditions, Friday midday, Friday p.m. peak commute hour, and weekend midday. For a Theater Event, the study analyzed a weekday and Friday "pre-event" peak hour condition in which the maximum capacity of the theater is being utilized. Based on DOT's traffic impact criteria<sup>1</sup>, the transportation study included the detailed analysis of 64 intersections. The results of the traffic impact analysis for the different time periods are summarized in the enclosed tables (**Attachment 1**). The study adequately evaluated the project's traffic impacts on the surrounding community.

## **DISCUSSION AND FINDINGS**

### **A. Project Description**

The project proposes to construct a museum dedicated to films and film making with a design day attendance of 5,000 visitors, three theaters with a total of 1,350 seats, banquet and conference space, a 5,000 square-foot museum store and a 4,000 square-foot café. The site is currently developed with the May Company Building constructed in 1939 and a building addition constructed in 1946. The project would rehabilitate the original May Company Building and demolish the 1946 addition to accommodate new construction that would include an elevated spherical theater. Vehicular access to the site would be provided via the existing driveways to the LACMA campus. The project is assumed to be completed by year 2017.

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<sup>1</sup> Per the DOT Traffic Study Polices and Procedures, a significant impact is identified as an increase in the Critical Movement Analysis (CMA) value, due to project related traffic, of 0.01 or more when the final ("with project") Level of Service (LOS) is LOS E or F; an increase of 0.020 or more when the final LOS is LOS D; or an increase of 0.040 or more when the final LOS is LOS C.

**B. Parking Management**

The parking demand for the proposed project is expected to vary depending upon the activities, programs, and events planned and on the day, the time of year, day of the week, and time of day of the event. To address the project's parking demand and recommend management strategies, a supplemental parking analysis (dated February 14, 2014) was submitted to DOT in addition to the transportation study. The study included a shared parking analysis to estimate the parking supply needed to meet the demands associated with different operational scenarios and events. The enclosed table (**Attachment 2**) provides information on the anticipated parking demand and the available parking supply during the analyzed time periods. The parking supply listed in this table are based on the available spaces after implementation of the parking management strategies discussed in the "Transportation Mitigation Program" section below. In addition to implementing the parking management plan, the project may also pursue other strategies to ensure sufficient parking supply including restriping the Spaulding Lot, use attendant and/or stacked parking in the Spaulding Lot, lease spaces in the Petersen Automotive Museum, and utilize parking in other available off-site facilities.

**C. Transportation Study Scenarios**

The transportation study analyzed the effects of the project on the transportation infrastructure during the following peak time periods:

**Museum (Including Theater)**

- Weekday Midday
- Weekday P.M. Peak Hour
- Friday Midday
- Friday P.M. Peak Hour
- Weekend Midday

**Theater Event (Maximum Theater Seating)**

- Weekday Peak Hour Event
- Friday "Pre-Event" Peak Hour

**D. Trip Generation**

The project's trip generation for the Museum is estimated to be a net increase of approximately 2,693 daily trips, 420 trips during the midday peak hour and 317 trips during the p.m. peak hour. A Theater Event is expected to generate approximately 1,750 daily trips and 455 pre-event peak hour trips. Due to the unique nature of the Museum and the Theater, ITE's Trip Generation Manual, 9<sup>th</sup> Edition was not used to estimate the trip generation for these land uses. The museum trip rate was developed using information from the Academy and city staff and was based on the hours of the museum, the types of programming, the average ridership of visitors, the highest attended days of operation and the number of employees. The trip generation for the theater event was based on its capacity (1,350 attendees) and the anticipated number of employees. A summary of the trip generation is provided in **Attachment 3** of this report.



E. Traffic Impact Analysis

In order to evaluate the effects of the project traffic on the available transportation infrastructure, the significance of the project’s impacts is measured in terms of change to the volume-to-capacity (V/C) ratio between the “future no project” and the “future with project” scenarios. This change in the V/C ratio is compared to DOT’s established threshold standards to assess the project-related traffic impacts. The results are summarized in the table below:

Scenario	# of Significant Impacts Before Mitigation	# of Significant Impacts After Mitigation	# of Intersections Fully Mitigated	# of Intersections Partially Mitigated
Museum Weekday - Midday	3	0	3	0
Museum Weekday - PM Peak Hour	1	0	1	0
Museum Friday - Midday	3	0	3	0
Museum Friday - PM Peak Hour	1	1	0	1
Museum Saturday - Midday	2	0	2	0
Theater Event Weekday Pre-Event	5	2	3	2
Theater Event Friday Pre-Event	7	3	4	3

As listed in the table above, the transportation mitigation program is not expected to fully mitigate all of the project’s significant traffic impacts. It should be noted that physical traffic flow improvement options at the unmitigated intersections were evaluated in an attempt to fully mitigate the impacts; however, no feasible mitigations were identified due to the constraints of the existing physical conditions. It should also be noted that the benefits of the parking management strategies listed below were not quantified in the transportation study so the overall project impacts are likely overstated.

**PROJECT REQUIREMENTS**

A. Transportation Mitigation Program

A key goal of the project’s transportation mitigation plan should be to implement enhancements and strategies that reduce the number of project-generated vehicle trips and that make the use of current and future transit services a convenient, reliable and cost-effective option for project visitors. The City’s policies and procedures on the

preparation of traffic impact studies support improvements that reduce greenhouse gas emissions by reducing the use of single-occupant vehicle trips, and encourage developers to construct transit and pedestrian-friendly projects with safe and walkable sidewalks to and from the transit stations for project patrons. Therefore, consistent with these policies, the project mitigation program was designed to focus on developing a trip reduction program and solutions that promote other modes of travel. The transportation study identified several strategies aimed at reducing the number of vehicle trips generated by the project, including the measures listed below.

The project applicant should be required to implement the following transportation improvements:

**1. Parking and Transportation Management Plan**

The most effective tool to deal with the temporary impacts associated with special event traffic is through the implementation of a comprehensive parking and transportation management plan (PTMP). The PTMP would utilize various parking and traffic management strategies to maximize the operational efficiency of the existing transportation system for peak Museum attendance and for special events during peak periods. The strategies in the PTMP should include, but not be limited to, the following:

- Provide location maps and directions with the parking options available for visitors in website postings, real time mobile applications, and other marketing and media materials;
- Post directions and maps showing truck routes for deliveries, construction vehicles, and other trucks;
- Encourage ridesharing, carpooling, transit and other alternative transit options in conjunction with event related media and marketing;
- Manage parking to maximize the efficiency of on-site parking
- Provide sufficient directional signage to the designated off-site parking facilities;
- Identify locations for bus drop-off/pick-up and staging
- Coordinate scheduling of events with LACMA and other nearby cultural entities;
- Provide valet assist parking in the Pritzker Garage during large events to maximize parking circulation and capacity;
- Manage the use of all parking spaces in the Pritzker Garage to maximize parking efficiency;
- Encourage employees and staff to park in designated areas;
- Establish an Event Coordination Plan with LACMA that includes measures related to events, visitor enhancements, parking, loading, etc.

**2. Transportation Demand Management (TDM) Plan**

Given the amount of transit services provided in the area and that the proposed project is adjacent to a future Metro Purple Line station and proposed portals, there is an inherent incentive for project visitors and employees to utilize

alternative commute options other than driving during congested periods. The applicant should take advantage of the available and future transit services through pedestrian-friendly designs and orientation that facilitates transit use. Also, the applicant should implement trip reduction strategies that would encourage and incentivize project visitors and employees to rideshare or take transit or other modes beside driving alone. Such strategies can include, but not be limited to, the following:

- Promotion and support of carpools and rideshare;
- Bicycle amenities like racks and showers;
- Guaranteed ride home program;
- Flexible or alternative work schedules;
- Subsidized transit passes provided to eligible project employees;
- Parking incentives and administrative support for formation of carpools/vanpools;
- Transportation Information Center, educational programs, kiosks and/or other measures;
- On-site TDM coordinator;
- Coordinate with DOT to evaluate the possibility of providing space for a future Integrated Mobility Hub at or near the project;
- Incentivize the use of transit for project visitors through discounted entrance fees, gift store coupons, etc. for transit users;
- Contribute a one-time fixed-fee of **\$250,000** to be deposited into the City's Bicycle Plan Trust Fund to implement bicycle improvements in the project area.

The applicant should prepare and submit a preliminary TDM program for DOT review and approval prior to the issuance of the first building permit for this project and a final TDM program approved by DOT is required prior to the issuance of the first certificate of occupancy for the project.

### **3. Transit Connection Enhancements**

The project should provide a pedestrian friendly environment through sidewalk pavement reconstruction/improvements, signage, and improved amenities such as landscaping and shading particularly along the sidewalks on Fairfax Avenue and Wilshire Boulevard linking the project to the existing transit stops and future Metro Purple Line Station.

### **4. Traffic Signal Upgrades**

Some of the signalized intersections within the project study area require an upgrade to the traffic signal equipment and hardware. For example, some of the traffic signals at these intersections currently operate using a Type 170 traffic signal controller. Newer controllers (Type 2070) provide for enhanced and real-time operation of the traffic signal timing. Also, when supplemented by additional roadway system loops and closed-circuit television (CCTV) cameras at key locations, DOT can quickly implement instant signal timing remedies to improve the flow of vehicles and buses during special events. Collectively, these

traffic signal upgrades provide a systemwide benefit by reducing delays experienced by motorists at the study intersections.

The applicant should be required to install a CCTV camera and the necessary infrastructure (including fiber optic and interconnect) at the intersection of 6<sup>th</sup> Street and Curson Avenue. Also, the applicant should be required to install 2070 controllers (which may require the replacement of the entire signal cabinet assembly) at the following 20 intersections:

1. 3<sup>rd</sup> Street and La Brea Avenue
2. 3<sup>rd</sup> Street and Alta Vista Boulevard/Cochran Avenue
3. 3<sup>rd</sup> Street and Martel Avenue
4. 3<sup>rd</sup> Street and Crescent Heights Boulevard
5. 4<sup>th</sup> Street and La Brea Avenue
6. 6<sup>th</sup> Street and Curson Avenue
7. 6<sup>th</sup> Street and Crescent Heights Boulevard
8. 6<sup>th</sup> Street and La Jolla Avenue
9. 6<sup>th</sup> Street and Hauser Boulevard
10. 6<sup>th</sup> Street and Burnside Avenue
11. 6<sup>th</sup> Street and Cochran Avenue
12. 6<sup>th</sup> Street and Detroit Street
13. 8<sup>th</sup> Street and Curson Avenue
14. 8<sup>th</sup> Street and Hauser Boulevard
15. 8<sup>th</sup> Street and Burnside Avenue
16. 8<sup>th</sup> Street and Cochran Avenue
17. 9<sup>th</sup> Street and La Brea Avenue
18. Burnside Avenue and Hauser Boulevard
19. Drexel Avenue and Crescent Heights Boulevard
20. Colgate Avenue and Crescent Heights Boulevard

These signal upgrades should be implemented by the applicant through the B-permit process of the Bureau of Engineering (BOE). These traffic signal improvements must be guaranteed prior to the issuance of any building permit and completed prior to the issuance of any certificate of occupancy.

B. Construction Impacts

DOT recommends that a construction work site traffic control plan be submitted to DOT for review and approval prior to the start of any construction work. The plan should show the location of any roadway or sidewalk closures, traffic detours, haul routes, hours of operation, protective devices, warning signs and access to abutting properties. DOT also recommends that all construction related traffic be restricted to off-peak hours to the extent feasible.

C. Highway Dedication and Street Widening Requirements

Highway dedication and widening may be required along the streets that front the proposed project. Along the project's frontage, Wilshire Boulevard is a Major Highway Class II and Fairfax Avenue is a Secondary Highway. According to the standard street dimensions of the Department of Public Works, Bureau of Engineering (BOE), a Major

Highway Class II requires a 40-foot half-width roadway within a 52-foot half-width right-of-way and a Secondary Highway requires a 35-foot half-width roadway within a 45-foot half-width right-of-way. The applicant should check with BOE's Land Development Group to determine if there are any highway dedication, street widening and/or sidewalk requirements for this project.

D. General Conditions

- All transportation improvements and associated traffic signal work within the City of Los Angeles must be **guaranteed** through the B-Permit process of the Bureau of Engineering, prior to the issuance of any building permit and **completed** prior to the issuance of the first certificate of occupancy for the project. Temporary certificates of occupancy may be granted in the event of any delay through no fault of the applicant, provided that, in each case, the applicant has demonstrated reasonable efforts and due diligence to the satisfaction of DOT.
- If a proposed traffic mitigation measure does not receive the required approval, a substitute mitigation measure may be provided subject to the approval of DOT or other governing agency with jurisdiction over the mitigation location, upon demonstration that the substitute measure is equivalent or superior to the original measure in mitigating the project's significant traffic impact. To the extent that a mitigation measure proves infeasible and no substitutes are available, then a significant traffic impact would remain.

E. Site Access and Circulation

Since the project proposes to utilize existing parking facilities, no new driveways are proposed. Should any changes to the project site plan be proposed in the future, then this would require separate review and approval by DOT's Citywide Planning Coordination Section (201 N. Figueroa Street, 4th Floor, Station 3, @ 213-482-7024). Any new driveways should be Case 2 driveways and 30 feet wide for two-way operations or 16-feet wide for one-way operations. All delivery truck loading and unloading should take place on site with no vehicles backing into or out of the project site from any adjacent street. A copy of the site plan is included as **Attachment 4**.

F. Development Review Fees

An ordinance adding Section 19.15 to the Los Angeles Municipal Code relative to application fees paid to DOT for permit issuance activities was adopted by the Los Angeles City Council in 2009. This ordinance identifies specific fees for traffic study review, condition clearance, and permit issuance. The applicant shall comply with any applicable fees per this ordinance.

If you have any questions, please call Wes Pringle at (213) 972-8482.

Attachment 1: Project Impact Summary - Level of Service  
Attachment 2: Peak Parking Demand Strategies  
Attachment 3: Project Trip Generation Summary  
Attachment 4: Project Site Plan

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c: Rene Weitzer, Council District 4  
Jeannie Shen, Hollywood-Wilshire District Office, DOT  
Gregg Vandergriff, BOE  
Taimour Tanavoli, Citywide Planning Coordination Section, DOT  
Sarah Drobis, Gibson Transportation Consulting

***Attachment B***  
***LOS Worksheets***



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**1**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Sunset Boulevard  
**Scenario:** Existing with Project Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		4			4		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB -- 0	0	NB -- 3	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	← Left	140	1	140	145	1	145
	← Left-Through		0			0	
	→ Through	498	2	249	519	2	260
	→ Through-Right		0			0	
	→ Right	244	1	23	234	1	0
	← Left-Through-Right		0			0	
<b>SOUTHBOUND</b>	← Left	71	1	71	72	1	72
	← Left-Through		0			0	
	→ Through	528	2	264	595	2	298
	→ Through-Right		0			0	
	→ Right	199	1	119	182	1	101
	← Left-Through-Right		0			0	
<b>EASTBOUND</b>	← Left	160	1	160	162	1	162
	← Left-Through		0			0	
	→ Through	1011	2	506	1031	2	516
	→ Through-Right		0			0	
	→ Right	167	1	97	161	1	89
	← Left-Through-Right		0			0	
<b>WESTBOUND</b>	← Left	221	1	221	238	1	238
	← Left-Through		0			0	
	→ Through	1042	2	521	955	2	478
	→ Through-Right		0			0	
	→ Right	66	1	31	44	1	8
	← Left-Through-Right		0			0	
			0			0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	404		<i>North-South:</i>	443
			<i>East-West:</i>	727		<i>East-West:</i>	754
			<i>SUM:</i>	1131		<i>SUM:</i>	1197
VOLUME/CAPACITY (V/C) RATIO:				0.823			0.871
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.723</b>			<b>0.771</b>
LEVEL OF SERVICE (LOS):				<b>C</b>			<b>C</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**3**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Melrose Avenue  
**Scenario:** Existing with Project Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		3			3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	102	1	102	75	1	75
	↵↔ Left-Through		0			0	
	↔ Through	732	2	309	725	2	292
	↔↗ Through-Right		1			1	
	↗ Right	195	0	195	151	0	151
	↗↔ Left-Through-Right		0			0	
↗↔ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	104	1	104	105	1	105
	↵↔ Left-Through		0			0	
	↔ Through	858	2	340	925	2	359
	↔↗ Through-Right		1			1	
	↗ Right	161	0	161	151	0	151
	↗↔ Left-Through-Right		0			0	
↗↔ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	127	1	127	152	1	152
	↵↔ Left-Through		0			0	
	↔ Through	719	1	437	763	1	464
	↔↗ Through-Right		1			1	
	↗ Right	155	0	155	165	0	165
	↗↔ Left-Through-Right		0			0	
↗↔ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	210	1	210	242	1	242
	↵↔ Left-Through		0			0	
	↔ Through	701	1	405	712	1	415
	↔↗ Through-Right		1			1	
	↗ Right	108	0	108	118	0	118
	↗↔ Left-Through-Right		0			0	
↗↔ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 442			<i>North-South:</i> 434		
		<i>East-West:</i> 647			<i>East-West:</i> 706		
		<i>SUM:</i> 1089			<i>SUM:</i> 1140		
VOLUME/CAPACITY (V/C) RATIO:		0.764			0.800		
V/C LESS ATSAC/ATCS ADJUSTMENT:		<b>0.664</b>			<b>0.700</b>		
LEVEL OF SERVICE (LOS):		<b>B</b>			<b>C</b>		

# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**4**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: Beverly Boulevard**  
**Scenario: Existing with Project Conditions**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases				4			4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB -- 0		NB -- 3	SB -- 0	
ATSAC-1 or ATSAC+ATCS-2?		EB -- 3	WB -- 3		EB -- 3	WB -- 3	
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	105	1	105	123	1	123
	Left-Through		0			0	
	Through	746	2	373	712	2	356
	Through-Right		0			0	
	Right	253	1	38	210	1	3
	Left-Through-Right		0			0	
<b>SOUTHBOUND</b>	Left	163	1	163	156	1	156
	Left-Through		0			0	
	Through	972	1	555	1018	1	596
	Through-Right		1			1	
	Right	137	0	137	173	0	173
	Left-Through-Right		0			0	
<b>EASTBOUND</b>	Left	92	1	92	111	1	111
	Left-Through		0			0	
	Through	942	2	471	921	2	461
	Through-Right		0			0	
	Right	144	1	39	159	1	36
	Left-Through-Right		0			0	
<b>WESTBOUND</b>	Left	215	1	215	207	1	207
	Left-Through		0			0	
	Through	1063	2	532	924	2	462
	Through-Right		0			0	
	Right	116	1	0	163	1	7
	Left-Through-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 660 <i>East-West:</i> 686 <i>SUM:</i> 1346			<i>North-South:</i> 719 <i>East-West:</i> 668 <i>SUM:</i> 1387
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.979			1.009
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				0.879			0.909
<b>LEVEL OF SERVICE (LOS):</b>				D			E



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**5**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boul East-West Street: 3rd Street  
**Scenario:** Existing with Project Conditions  
**Count Date:** Analyst: Date:

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0			2 0 0 0 2 0
		<i>NB</i> -- 0	<i>SB</i> -- 0		<i>NB</i> -- 0	<i>SB</i> -- 0	
		<i>EB</i> -- 0	<i>WB</i> -- 0		<i>EB</i> -- 0	<i>WB</i> -- 0	
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	41	0	41	54	0	54
	↵↔ Left-Through		1			1	
	→ Through	488	0	529	526	0	580
	↵↔ Through-Right		0			0	
	↵↔ Right	26	1	26	42	1	42
	↵↔ Left-Through-Right		0			0	
	↵↔ Left-Right		0			0	
<b>SOUTHBOUND</b>	↵ Left	49	0	49	69	0	69
	↵↔ Left-Through		1			1	
	→ Through	514	0	563	472	0	541
	↵↔ Through-Right		0			0	
	↵↔ Right	83	1	83	111	1	111
	↵↔ Left-Through-Right		0			0	
	↵↔ Left-Right		0			0	
<b>EASTBOUND</b>	↵ Left	65	0	65	64	0	64
	↵↔ Left-Through		1			1	
	→ Through	849	0	584	849	0	598
	↵↔ Through-Right		1			1	
	↵↔ Right	59	0	584	91	0	598
	↵↔ Left-Through-Right		0			0	
	↵↔ Left-Right		0			0	
<b>WESTBOUND</b>	↵ Left	57	0	57	54	0	54
	↵↔ Left-Through		1			1	
	→ Through	763	0	521	770	0	520
	↵↔ Through-Right		1			1	
	↵↔ Right	50	0	521	53	0	520
	↵↔ Left-Through-Right		0			0	
	↵↔ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 604 <i>East-West:</i> 641 <i>SUM:</i> 1245			<i>North-South:</i> 649 <i>East-West:</i> 652 <i>SUM:</i> 1301
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.830			0.867
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.730</b>			<b>0.767</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>			<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**6**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 3rd Street  
**Scenario:** Existing with Project Conditions  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		4			4		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 3	3	EB -- 0	WB -- 3	3
Override Capacity		2			2		
		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	79	1	79	81	1	81
	↵↔ Left-Through		0			0	
	↔ Through	771	2	386	740	2	370
	↔↘ Through-Right		0			0	
	↘ Right	92	1	0	139	1	39
	↵↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	186	1	186	205	1	205
	↵↔ Left-Through		0			0	
	↔ Through	896	1	530	899	1	553
	↔↘ Through-Right		1			1	
	↘ Right	164	0	164	206	0	206
	↵↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	178	1	178	212	1	212
	↵↔ Left-Through		0			0	
	↔ Through	836	1	458	734	1	415
	↔↘ Through-Right		1			1	
	↘ Right	79	0	79	95	0	95
	↵↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	189	1	189	200	1	200
	↵↔ Left-Through		0			0	
	↔ Through	662	2	331	682	2	341
	↔↘ Through-Right		0			0	
	↘ Right	168	1	0	290	1	85
	↵↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 609			<i>North-South:</i> 634		
		<i>East-West:</i> 647			<i>East-West:</i> 615		
		<b>SUM:</b> 1256			<b>SUM:</b> 1249		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.913			0.908		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.813</b>			<b>0.808</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>D</b>			<b>D</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**7**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Martel Avenue/Hauser Blvd **East-West Street:** 3rd Street  
**Scenario:** Existing with Project Conditions  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0			2 0 0 0 2 0
		<i>NB</i> -- 0	<i>SB</i> -- 0		<i>NB</i> -- 0	<i>SB</i> -- 0	
		<i>EB</i> -- 0	<i>WB</i> -- 0		<i>EB</i> -- 0	<i>WB</i> -- 0	
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	177	1	177	209	1	209
	↵↔ Left-Through		0			0	
	↔ Through	243	1	243	206	1	206
	↔↘ Through-Right		0			0	
	↘ Right	100	1	62	117	1	70
	↵↔↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>SOUTHBOUND</b>	↵ Left	19	0	19	13	0	13
	↵↔ Left-Through		0			0	
	↔ Through	240	0	301	166	0	217
	↔↘ Through-Right		0			0	
	↘ Right	42	0	0	38	0	0
	↵↔↘ Left-Through-Right		1			1	
	↘↔ Left-Right		0			0	
<b>EASTBOUND</b>	↵ Left	31	1	31	35	1	35
	↵↔ Left-Through		0			0	
	↔ Through	980	1	582	966	1	581
	↔↘ Through-Right		1			1	
	↘ Right	184	0	184	195	0	195
	↵↔↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>WESTBOUND</b>	↵ Left	77	1	77	95	1	95
	↵↔ Left-Through		0			0	
	↔ Through	972	1	499	1227	1	627
	↔↘ Through-Right		1			1	
	↘ Right	25	0	25	26	0	26
	↵↔↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 478 <i>East-West:</i> 659 <i>SUM:</i> 1137			<i>North-South:</i> 426 <i>East-West:</i> 676 <i>SUM:</i> 1102
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.758			0.735
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.658</b>			<b>0.635</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>			<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**8**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue/Alta V East-West Street: 3rd Street**  
**Scenario: Existing with Project Conditions**  
**Count Date: Analyst: Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0		NB -- 0	SB -- 0	
		EB -- 0	WB -- 0		EB -- 0	WB -- 0	
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	16	0	16	103	0	103
	Left-Through		0			0	
	Through	84	0	120	81	0	229
	Through-Right		0			0	
	Right	20	0	0	45	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
SOUTHBOUND	Left	57	0	57	10	0	10
	Left-Through		0			0	
	Through	112	0	208	47	0	67
	Through-Right		0			0	
	Right	39	0	0	10	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
EASTBOUND	Left	45	1	45	8	1	8
	Left-Through		0			0	
	Through	927	1	466	1002	1	523
	Through-Right		1			1	
	Right	5	0	5	43	0	43
	Left-Through-Right		0			0	
	Left-Right		0			0	
WESTBOUND	Left	7	1	7	45	1	45
	Left-Through		0			0	
	Through	1071	1	548	1179	1	592
	Through-Right		1			1	
	Right	25	0	25	5	0	5
	Left-Through-Right		0			0	
	Left-Right		0			0	
CRITICAL VOLUMES		North-South: 224			North-South: 239		
		East-West: 593			East-West: 600		
		SUM: 817			SUM: 839		
VOLUME/CAPACITY (V/C) RATIO:		0.545			0.559		
V/C LESS ATSAC/ATCS ADJUSTMENT:		0.445			0.459		
LEVEL OF SERVICE (LOS):		A			A		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**9**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue      **East-West Street:** 3rd Street  
**Scenario:** Existing with Project Conditions  
**Count Date:**    **Analyst:**    **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				4			4
				0			0
		<i>NB</i> --	<i>SB</i> --	0	<i>NB</i> --	<i>SB</i> --	0
		<i>EB</i> --	<i>WB</i> --	0	<i>EB</i> --	<i>WB</i> --	0
				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	137	1	137	172	1	172
	Left-Through		0			0	
	Through	1136	1	611	928	1	496
	Through-Right		1			1	
	Right	85	0	85	64	0	64
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>SOUTHBOUND</b>	Left	81	1	81	83	1	83
	Left-Through		0			0	
	Through	1056	1	590	1015	1	588
	Through-Right		1			1	
	Right	123	0	123	160	0	160
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>EASTBOUND</b>	Left	117	1	117	108	1	108
	Left-Through		0			0	
	Through	830	2	415	706	2	353
	Through-Right		0			0	
	Right	154	1	86	188	1	102
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>WESTBOUND</b>	Left	103	1	103	75	1	75
	Left-Through		0			0	
	Through	771	1	436	909	1	493
	Through-Right		1			1	
	Right	101	0	101	76	0	76
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> <i>East-West:</i> <i>SUM:</i>	727 553 1280		<i>North-South:</i> <i>East-West:</i> <i>SUM:</i> 760 601 1361
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.931			0.990
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.831</b>			<b>0.890</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>			<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**10**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Colgate Avenue  
**Scenario:** Existing with Project Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i>	0	<i>NB --</i> 0	<i>SB --</i>	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0	<i>WB --</i>	0	<i>EB --</i> 0	<i>WB --</i>	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	23	1	23	27	1	27
	↶↷ Left-Through		0			0	
	↷ Through	992	1	558	1084	1	547
	↷↶ Through-Right		1			1	
	↷ Right	123	0	123	9	0	9
	↷↶ Left-Through-Right		0			0	
	↷↶ Left-Right		0			0	
<b>SOUTHBOUND</b>	↷ Left	21	1	21	15	1	15
	↷↶ Left-Through		0			0	
	↷ Through	1119	1	574	1066	1	582
	↷↶ Through-Right		1			1	
	↷ Right	29	0	29	97	0	97
	↷↶ Left-Through-Right		0			0	
	↷↶ Left-Right		0			0	
<b>EASTBOUND</b>	↶ Left	8	0	8	94	0	94
	↶↷ Left-Through		0			0	
	↶ Through	38	0	70	24	0	138
	↶↷ Through-Right		0			0	
	↶ Right	24	0	0	20	0	0
	↶↷ Left-Through-Right		1			1	
	↶↷ Left-Right		0			0	
<b>WESTBOUND</b>	↷ Left	165	0	165	7	0	7
	↷↶ Left-Through		0			0	
	↷ Through	49	0	236	17	0	35
	↷↶ Through-Right		0			0	
	↷ Right	22	0	0	11	0	0
	↷↶ Left-Through-Right		1			1	
	↷↶ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 597 <i>East-West:</i> 244 <i>SUM:</i> 841			<i>North-South:</i> 609 <i>East-West:</i> 145 <i>SUM:</i> 754
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.561			0.503
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.461</b>			<b>0.403</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>





# Level of Service Worksheet (Circular 212 Method)



I/S #: 12

PROJECT TITLE: AMPAS  
North-South Street: San Vicente Boulevard East-West Street: 6th Street  
Scenario: Existing with Project Conditions  
Count Date: Analyst: Date:

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases					3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?					0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0		NB -- 0	SB -- 0	
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 3		EB -- 0	WB -- 3	
Override Capacity					2		
					0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	0	0	0	0	0	0
	Left-Through		0			0	
	Through	867	2	300	695	2	239
	Through-Right		1			1	
	Right	32	0	32	23	0	23
	Left-Through-Right		0			0	
SOUTHBOUND	Left	193	1	193	147	1	147
	Left-Through		0			0	
	Through	877	3	292	590	3	197
	Through-Right		0			0	
	Right	0	0	0	0	0	0
	Left-Through-Right		0			0	
EASTBOUND	Left	0	0	0	0	0	0
	Left-Through		0			0	
	Through	0	0	0	0	0	0
	Through-Right		0			0	
	Right	0	0	0	0	0	0
	Left-Through-Right		0			0	
WESTBOUND	Left	99	0	99	87	0	87
	Left-Through		1			1	
	Through	0	0	99	0	0	87
	Through-Right		0			0	
	Right	184	1	0	144	1	0
	Left-Through-Right		0			0	
CRITICAL VOLUMES				North-South: 493			North-South: 386
				East-West: 99			East-West: 87
				SUM: 592			SUM: 473
VOLUME/CAPACITY (V/C) RATIO:				0.415			0.332
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.315			0.232
LEVEL OF SERVICE (LOS):				A			A

**I/S #:**  
**12**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boulc **East-West Street:** 6th Street  
**Scenario:** Existing with Project Conditions  
**Count Date:** **Analyst:** **Date:**

MOVEMENT		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> -- 0	0	<i>NB</i> -- 0	<i>SB</i> -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB</i> -- 0	<i>WB</i> -- 0	0	<i>EB</i> -- 0	<i>WB</i> -- 0	0
Override Capacity		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	↖ Left	40	0	40	45	0	45
	↖↗ Left-Through		1			1	
	→ Through	543	0	379	540	0	384
	↘ Through-Right		1			1	
	↘ Right	55	0	379	48	0	384
	↘↗ Left-Through-Right		0			0	
↘↗ Left-Right		0			0		
SOUTHBOUND	↖ Left	16	0	16	22	0	22
	↖↗ Left-Through		1			1	
	→ Through	617	0	353	587	0	345
	↘ Through-Right		1			1	
	↘ Right	56	0	353	59	0	345
	↘↗ Left-Through-Right		0			0	
↘↗ Left-Right		0			0		
EASTBOUND	↖ Left	40	0	40	39	0	39
	↖↗ Left-Through		0			0	
	→ Through	264	0	345	269	0	373
	↘ Through-Right		0			0	
	↘ Right	41	0	0	65	0	0
	↘↗ Left-Through-Right		1			1	
↘↗ Left-Right		0			0		
WESTBOUND	↖ Left	27	0	27	32	0	32
	↖↗ Left-Through		0			0	
	→ Through	301	0	355	244	0	301
	↘ Through-Right		0			0	
	↘ Right	27	0	0	25	0	0
	↘↗ Left-Through-Right		1			1	
↘↗ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 395			<i>North-South:</i> 406		
		<i>East-West:</i> 395			<i>East-West:</i> 405		
		<i>SUM:</i> 790			<i>SUM:</i> 811		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.527			0.541		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		0.427			0.441		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>			<b>A</b>		

# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				3			3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 2	<i>SB</i> -- 0	0	<i>NB</i> -- 2	<i>SB</i> -- 0	0
		<i>EB</i> -- 0	<i>WB</i> -- 0	0	<i>EB</i> -- 0	<i>WB</i> -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	22	1	22	13	1	13
	↙↔ Left-Through		0			0	
	→ Through	900	2	450	981	2	491
	↘ Through-Right		0			0	
	↘ Right	158	1	158	184	1	184
	↙↔↘ Left-Through-Right		0			0	
	↔↘ Left-Right		0			0	
<b>SOUTHBOUND</b>	↙ Left	168	1	168	137	1	137
	↙↔ Left-Through		0			0	
	→ Through	1134	1	582	1026	1	537
	↘ Through-Right		1			1	
	↘ Right	29	0	29	48	0	48
	↙↔↘ Left-Through-Right		0			0	
	↔↘ Left-Right		0			0	
<b>EASTBOUND</b>	↙ Left	43	1	43	21	1	21
	↙↔ Left-Through		0			0	
	→ Through	331	0	357	245	0	264
	↘ Through-Right		1			1	
	↘ Right	26	0	0	19	0	0
	↙↔↘ Left-Through-Right		0			0	
	↔↘ Left-Right		0			0	
<b>WESTBOUND</b>	↙ Left	161	2	89	206	2	113
	↙↔ Left-Through		0			0	
	→ Through	303	1	303	253	1	253
	↘ Through-Right		0			0	
	↘ Right	170	1	86	180	1	112
	↙↔↘ Left-Through-Right		0			0	
	↔↘ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 618 <i>East-West:</i> 446 <i>SUM:</i> 1064			<i>North-South:</i> 628 <i>East-West:</i> 377 <i>SUM:</i> 1005
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.747			0.705
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				0.647			0.605
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>			<b>B</b>

# Level of Service Workheet (Circular 212 Method)



**I/S #:**  
**14**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Odgen Drive/Project Dv **East-West Street:** 6th Street  
**Scenario:** Existing with Project Conditions  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↪ Left	106	0	106	96	0	96
	↪ Left-Through		0			0	
	→ Through	0	0	0	0	0	0
	→ Through-Right		0			0	
	↪ Right	56	0	162	69	0	165
	↪ Left-Through-Right		0			0	
	↪ Left-Right		1			1	
<b>SOUTHBOUND</b>	↪ Left	4	0	4	10	0	10
	↪ Left-Through		0			0	
	→ Through	0	0	0	0	0	0
	→ Through-Right		0			0	
	↪ Right	18	0	22	27	0	37
	↪ Left-Through-Right		0			0	
	↪ Left-Right		1			1	
<b>EASTBOUND</b>	↪ Left	12	1	12	10	1	10
	↪ Left-Through		0			0	
	→ Through	520	1	327	459	1	312
	→ Through-Right		1			1	
	↪ Right	133	0	133	164	0	164
	↪ Left-Through-Right		0			0	
	↪ Left-Right		0			0	
<b>WESTBOUND</b>	↪ Left	72	1	72	82	1	82
	↪ Left-Through		0			0	
	→ Through	530	1	269	522	1	265
	→ Through-Right		1			1	
	↪ Right	8	0	8	7	0	7
	↪ Left-Through-Right		0			0	
	↪ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				North-South: 166 East-West: 399 SUM: 565			North-South: 175 East-West: 394 SUM: 569
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.377			0.379
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.277</b>			<b>0.279</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>

# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project Conditions  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>No. of Phases</b> Opposed Ø'ing: N/S-1, E/W-2 or Both-3? <b>Right Turns: FREE-1, NRTOR-2 or OLA-3?</b> <b>ATSAC-1 or ATSAC+ATCS-2?</b> <b>Override Capacity</b>				2 0 0 0 2 0			2 0 0 0 2 0
		<i>NB --</i>	<i>SB --</i>		<i>NB --</i>	<i>SB --</i>	
		<i>EB --</i>	<i>WB --</i>		<i>EB --</i>	<i>WB --</i>	
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	71	1	71	66	1	66
	↵↔ Left-Through		0			0	
	→ Through	46	0	156	71	0	156
	↵↔ Through-Right		1			1	
	↘ Right	110	0	0	85	0	0
	↵↔ Left-Through-Right		0			0	
↵↔ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	51	1	51	47	1	47
	↵↔ Left-Through		0			0	
	→ Through	43	0	89	54	0	90
	↵↔ Through-Right		1			1	
	↘ Right	46	0	0	36	0	0
	↵↔ Left-Through-Right		0			0	
↵↔ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	25	1	25	45	1	45
	↵↔ Left-Through		0			0	
	→ Through	474	1	268	424	1	238
	↵↔ Through-Right		1			1	
	↘ Right	62	0	62	52	0	52
	↵↔ Left-Through-Right		0			0	
↵↔ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	73	1	73	91	1	91
	↵↔ Left-Through		0			0	
	→ Through	500	1	279	525	1	299
	↵↔ Through-Right		1			1	
	↘ Right	58	0	58	72	0	72
	↵↔ Left-Through-Right		0			0	
↵↔ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 207 <i>East-West:</i> 341 <i>SUM:</i> 548			<i>North-South:</i> 203 <i>East-West:</i> 344 <i>SUM:</i> 547
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.365			0.365
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.265</b>			<b>0.265</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**16**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Hauser Boulevard      **East-West Street:** 6th Street  
**Scenario:** Existing with Project Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	62	1	62	97	1	97
	↵↔ Left-Through		0			0	
	↔ Through	307	0	344	515	0	568
	↔↘ Through-Right		1			1	
	↘ Right	37	0	0	53	0	0
	↵↔↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>SOUTHBOUND</b>	↵ Left	29	1	29	40	1	40
	↵↔ Left-Through		0			0	
	↔ Through	361	1	361	349	1	349
	↔↘ Through-Right		0			0	
	↘ Right	105	1	105	74	1	74
	↵↔↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>EASTBOUND</b>	↵ Left	77	0	77	58	0	58
	↵↔ Left-Through		1			1	
	↔ Through	552	0	386	513	0	342
	↔↘ Through-Right		1			1	
	↘ Right	66	0	386	55	0	342
	↵↔↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>WESTBOUND</b>	↵ Left	30	0	30	21	0	21
	↵↔ Left-Through		1			1	
	↔ Through	475	0	316	505	0	308
	↔↘ Through-Right		1			1	
	↘ Right	36	0	316	68	0	308
	↵↔↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 423 <i>East-West:</i> 416 <i>SUM:</i> 839			<i>North-South:</i> 608 <i>East-West:</i> 366 <i>SUM:</i> 974
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.559			0.649
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.459</b>			<b>0.549</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>

**Level of Service Worksheet**  
(Circular 212 Method)



I/S #: 17

**PROJECT TITLE: AMPAS**  
**North-South Street: Burnside Avenue**      **East-West Street: 6th Street**  
**Scenario: Existing with Project Conditions**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0		NB -- 0	SB -- 0	
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0		EB -- 0	WB -- 0	
Override Capacity		2			2		
		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	19	0	19	16	0	16
	Left-Through		0			0	
	Through	36	0	83	53	0	88
	Through-Right		0			0	
	Right	28	0	0	19	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
SOUTHBOUND	Left	79	0	79	57	0	57
	Left-Through		1			1	
	Through	39	0	118	43	0	100
	Through-Right		0			0	
	Right	19	1	19	14	1	14
	Left-Through-Right		0			0	
	Left-Right		0			0	
EASTBOUND	Left	14	0	14	25	0	25
	Left-Through		1			1	
	Through	594	0	320	546	0	348
	Through-Right		1			1	
	Right	17	0	320	49	0	348
	Left-Through-Right		0			0	
	Left-Right		0			0	
WESTBOUND	Left	29	0	29	23	0	23
	Left-Through		1			1	
	Through	532	0	357	522	0	324
	Through-Right		1			1	
	Right	66	0	357	79	0	324
	Left-Through-Right		0			0	
	Left-Right		0			0	
CRITICAL VOLUMES		North-South: 162			North-South: 145		
		East-West: 371			East-West: 371		
		SUM: 533			SUM: 516		
VOLUME/CAPACITY (V/C) RATIO:		0.355			0.344		
V/C LESS ATSAC/ATCS ADJUSTMENT:		0.255			0.244		
LEVEL OF SERVICE (LOS):		A			A		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**18**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project Conditions  
**Count Date:**      **Analyst:**      **Date:**

MOVEMENT		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0			2 0 0 0 2 0
	NB --	0		SB --	0		0
	EB --	0		WB --	0		0
					0		0
NORTHBOUND	Left	25	0	25	34	0	34
	Left-Through		0			0	
	Through	108	0	159	162	0	220
	Through-Right		0			0	
	Right	26	0	0	24	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
SOUTHBOUND	Left	7	0	7	8	0	8
	Left-Through		0			0	
	Through	114	0	168	89	0	165
	Through-Right		0			0	
	Right	47	0	0	68	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
EASTBOUND	Left	58	0	58	46	0	46
	Left-Through		1			1	
	Through	593	0	375	517	0	563
	Through-Right		1			0	
	Right	40	0	375	59	1	59
	Left-Through-Right		0			0	
	Left-Right		0			0	
WESTBOUND	Left	33	0	33	39	0	39
	Left-Through		1			1	
	Through	511	0	544	508	0	547
	Through-Right		0			0	
	Right	24	1	24	24	1	24
	Left-Through-Right		0			0	
	Left-Right		0			0	
CRITICAL VOLUMES				North-South: East-West: SUM:			228 602 830
VOLUME/CAPACITY (V/C) RATIO:				0.530			0.553
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.430			0.453
LEVEL OF SERVICE (LOS):				A			A





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**19**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project Conditions  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2			2
				0			0
		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	63	1	63	70	1	70
	↵↔ Left-Through		0			0	
	↔ Through	1153	2	577	1249	2	625
	↔↗ Through-Right		0			0	
	↗ Right	50	1	50	45	1	45
	↗↔ Left-Through-Right		0			0	
	↗↘ Left-Right		0			0	
<b>SOUTHBOUND</b>	↘ Left	76	1	76	61	1	61
	↘↔ Left-Through		0			0	
	↔ Through	1138	2	404	1190	2	419
	↔↖ Through-Right		1			1	
	↖ Right	74	0	74	68	0	68
	↖↔ Left-Through-Right		0			0	
	↖↗ Left-Right		0			0	
<b>EASTBOUND</b>	↘ Left	75	0	75	110	0	110
	↘↔ Left-Through		1			1	
	↔ Through	480	0	358	403	0	380
	↔↗ Through-Right		1			1	
	↗ Right	86	0	358	136	0	380
	↗↔ Left-Through-Right		0			0	
	↗↘ Left-Right		0			0	
<b>WESTBOUND</b>	↘ Left	33	0	33	33	0	33
	↘↔ Left-Through		1			1	
	↔ Through	437	0	470	469	0	502
	↔↗ Through-Right		0			0	
	↗ Right	88	1	50	81	1	51
	↗↔ Left-Through-Right		0			0	
	↗↘ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 653 <i>East-West:</i> 545 <i>SUM:</i> 1198			<i>North-South:</i> 686 <i>East-West:</i> 612 <i>SUM:</i> 1298
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.799			0.865
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.699</b>			<b>0.765</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>			<b>C</b>

## Level of Service Workheet (Circular 212 Method)



**I/S #:**  
**21**

**PROJECT TITLE:** AMPAS  
**North-South Street:** San Vicente Boulevard     **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project Conditions  
**Count Date:**     **Analyst:**     **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		No. of Phases					
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				4			4
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	187	2	103	112	2	62
	↵↔ Left-Through		0			0	
	→ Through	568	2	199	414	2	143
	→↗ Through-Right		1			1	
	↗ Right	28	0	28	15	0	15
	↗↔ Left-Through-Right		0			0	
	↗↔ Left-Right		0			0	
<b>SOUTHBOUND</b>	↵ Left	184	2	101	95	2	52
	↵↔ Left-Through		0			0	
	→ Through	585	3	195	422	3	141
	→↗ Through-Right		0			0	
	↗ Right	103	0	0	0	0	0
	↗↔ Left-Through-Right		0			0	
	↗↔ Left-Right		0			0	
<b>EASTBOUND</b>	↵ Left	83	1	83	46	1	46
	↵↔ Left-Through		0			0	
	→ Through	1001	2	394	812	2	310
	→↗ Through-Right		1			1	
	↗ Right	182	0	182	119	0	119
	↗↔ Left-Through-Right		0			0	
	↗↔ Left-Right		0			0	
<b>WESTBOUND</b>	↵ Left	31	1	31	18	1	18
	↵↔ Left-Through		0			0	
	→ Through	900	2	371	775	2	305
	→↗ Through-Right		1			1	
	↗ Right	214	0	214	141	0	141
	↗↔ Left-Through-Right		0			0	
	↗↔ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 300 <i>East-West:</i> 454 <b>SUM:</b> 754			<i>North-South:</i> 203 <i>East-West:</i> 351 <b>SUM:</b> 554
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.548			0.403
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.448</b>			<b>0.303</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**22**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boulc **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project Conditions  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	3	0	0	0	0	0
	Left-Through		0			0	
	Through	508	1	306	588	1	333
	Through-Right		1			1	
	Right	104	0	104	78	0	78
	Left-Through-Right		0			0	
SOUTHBOUND	Left	100	0	100	79	0	79
	Left-Through		1			1	
	Through	451	0	491	427	0	430
	Through-Right		1			1	
	Right	131	0	491	117	0	430
	Left-Through-Right		0			0	
EASTBOUND	Left	101	1	101	107	1	107
	Left-Through		0			0	
	Through	999	2	376	913	2	314
	Through-Right		1			1	
	Right	128	0	128	28	0	28
	Left-Through-Right		0			0	
WESTBOUND	Left	86	1	86	15	1	15
	Left-Through		0			0	
	Through	896	2	346	838	2	316
	Through-Right		1			1	
	Right	141	0	141	110	0	110
	Left-Through-Right		0			0	
				0			0
CRITICAL VOLUMES				North-South: 491 East-West: 462 SUM: 953			North-South: 430 East-West: 423 SUM: 853
VOLUME/CAPACITY (V/C) RATIO:				0.635			0.569
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.535</b>			<b>0.469</b>
LEVEL OF SERVICE (LOS):				<b>A</b>			<b>A</b>

## Level of Service Worksheet (Circular 212 Method)



<b>I/S #:</b>
<b>23</b>

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project Conditions  
**Count Date:**      **Analyst:**      **Date:**

MOVEMENT		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>No. of Phases</b> Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				<b>4</b>			<b>4</b>
				<b>0</b>			<b>0</b>
				<b>3</b>			<b>3</b>
				<b>0</b>			<b>0</b>
				<b>2</b>			<b>2</b>
				<b>0</b>			<b>0</b>
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	134	1	134	92	1	92
	Left-Through		0			0	
	Through	785	1	441	772	1	424
	Through-Right		1			1	
	Right	97	0	97	76	0	76
	Left-Through-Right		0			0	
SOUTHBOUND	Left	170	1	170	169	1	169
	Left-Through		0			0	
	Through	856	2	428	855	2	428
	Through-Right		0			0	
	Right	232	1	40	150	1	0
	Left-Through-Right		0			0	
EASTBOUND	Left	192	1	192	178	1	178
	Left-Through		0			0	
	Through	892	2	316	830	2	299
	Through-Right		1			1	
	Right	56	0	56	67	0	67
	Left-Through-Right		0			0	
WESTBOUND	Left	78	1	78	104	1	104
	Left-Through		0			0	
	Through	773	2	303	722	2	295
	Through-Right		1			1	
	Right	137	0	137	162	0	162
	Left-Through-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 611			<i>North-South:</i> 593
				<i>East-West:</i> 495			<i>East-West:</i> 473
				<b>SUM:</b> 1106			<b>SUM:</b> 1066
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.804			0.775
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.704</b>			<b>0.675</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>			<b>B</b>

### Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**24**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Spaulding Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project Conditions  
**Count Date:**    **Analyst:**    **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	69	0	69	48	0	48
	↵↗ Left-Through		0			0	
	↘ Through	0	0	0	0	0	0
	↘↗ Through-Right		0			0	
	↘↗ Right	43	0	112	67	0	115
	↘↗↘ Left-Through-Right		0			0	
	↘↗↘ Left-Right		1			1	
<b>SOUTHBOUND</b>	↘ Left	0	0	0	0	0	0
	↘↗ Left-Through		0			0	
	↘ Through	0	0	0	0	0	0
	↘↗ Through-Right		0			0	
	↘↗ Right	0	0	0	0	0	0
	↘↗↘ Left-Through-Right		0			0	
	↘↗↘ Left-Right		0			0	
<b>EASTBOUND</b>	↵ Left	0	0	0	0	0	0
	↵↗ Left-Through		0			0	
	↘ Through	1065	2	533	961	2	481
	↘↗ Through-Right		0			0	
	↘↗ Right	94	1	94	99	1	99
	↘↗↘ Left-Through-Right		0			0	
	↘↗↘ Left-Right		0			0	
<b>WESTBOUND</b>	↵ Left	60	1	60	95	1	95
	↵↗ Left-Through		0			0	
	↘ Through	999	2	500	1008	2	504
	↘↗ Through-Right		0			0	
	↘↗ Right	0	0	0	0	0	0
	↘↗↘ Left-Through-Right		0			0	
	↘↗↘ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	112		<i>North-South:</i>	115
			<i>East-West:</i>	593		<i>East-West:</i>	576
			<i>SUM:</i>	705		<i>SUM:</i>	691
VOLUME/CAPACITY (V/C) RATIO:				0.470			0.461
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.370</b>			<b>0.361</b>
LEVEL OF SERVICE (LOS):				<b>A</b>			<b>A</b>



**Level of Service Worksheet  
(Circular 212 Method)**



**I/S #:**  
**25**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<b>NB -- 0</b>	<b>SB -- 0</b>	0	<b>NB -- 0</b>	<b>SB -- 0</b>	0
		<b>EB -- 0</b>	<b>WB -- 0</b>	0	<b>EB -- 0</b>	<b>WB -- 0</b>	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	← Left	36	0	36	29	0	29
	↙ Left-Through		0			0	
	→ Through	90	0	211	97	0	174
	↘ Through-Right		0			0	
	→ Right	85	0	0	48	0	0
	↙ Left-Through-Right		1			1	
	↘ Left-Right		0			0	
SOUTHBOUND	→ Left	66	0	66	56	0	56
	↘ Left-Through		0			0	
	→ Through	87	0	264	71	0	229
	↘ Through-Right		0			0	
	→ Right	111	0	0	102	0	0
	↙ Left-Through-Right		1			1	
	↘ Left-Right		0			0	
EASTBOUND	→ Left	90	1	90	92	1	92
	↘ Left-Through		0			0	
	→ Through	983	2	492	874	2	437
	↘ Through-Right		0			0	
	→ Right	17	1	17	15	1	15
	↙ Left-Through-Right		0			0	
	↘ Left-Right		0			0	
WESTBOUND	← Left	24	1	24	21	1	21
	↙ Left-Through		0			0	
	→ Through	923	2	462	969	2	485
	↘ Through-Right		0			0	
	→ Right	12	1	12	30	1	30
	↙ Left-Through-Right		0			0	
	↘ Left-Right		0			0	
CRITICAL VOLUMES				<b>North-South:</b> 300			<b>North-South:</b> 258
				<b>East-West:</b> 552			<b>East-West:</b> 577
				<b>SUM:</b> 852			<b>SUM:</b> 835
VOLUME/CAPACITY (V/C) RATIO:					0.568		0.557
V/C LESS ATSAC/ATCS ADJUSTMENT:					<b>0.468</b>		<b>0.457</b>
LEVEL OF SERVICE (LOS):					<b>A</b>		<b>A</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**26**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard East-West Street: Wilshire Boulevard**  
**Scenario: Existing with Project Conditions**  
**Count Date: Analyst: Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0		NB -- 0	SB -- 0	
		EB -- 0	WB -- 0		EB -- 0	WB -- 0	
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	63	1	63	69	1	69
	Left-Through		0			0	
	Through	425	1	425	259	1	259
	Through-Right		0			0	
	Right	113	1	84	73	1	38
	Left-Through-Right		0			0	
SOUTHBOUND	Left	61	1	61	160	1	160
	Left-Through		0			0	
	Through	323	0	380	399	0	588
	Through-Right		1			1	
	Right	57	0	0	189	0	0
	Left-Through-Right		0			0	
EASTBOUND	Left	58	1	58	68	1	68
	Left-Through		0			0	
	Through	970	2	485	897	2	449
	Through-Right		0			0	
	Right	68	1	37	70	1	36
	Left-Through-Right		0			0	
WESTBOUND	Left	59	1	59	71	1	71
	Left-Through		0			0	
	Through	816	2	408	892	2	446
	Through-Right		0			0	
	Right	61	1	31	58	1	0
	Left-Through-Right		0			0	
CRITICAL VOLUMES		North-South:		486	North-South:		657
		East-West:		544	East-West:		520
		SUM:		1030	SUM:		1177
VOLUME/CAPACITY (V/C) RATIO:				0.687			0.785
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.587			0.685
LEVEL OF SERVICE (LOS):				A			B



**I/S #:**  
**27**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project Conditions  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>No. of Phases</b> Opposed Ø'ing: N/S-1, E/W-2 or Both-3? <b>Right Turns: FREE-1, NRTOR-2 or OLA-3?</b> ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0			2 0 0 0 2 0
		NB -- 0 EB -- 0	SB -- 0 WB -- 0		NB -- 0 EB -- 0	SB -- 0 WB -- 0	
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	33	0	33	59	0	59
	Left-Through		0			0	
	Through	101	0	164	143	0	242
	Through-Right		0			0	
	Right	30	0	0	40	0	0
	Left-Through-Right		1			1	
Left-Right		0			0		
<b>SOUTHBOUND</b>	Left	20	0	20	23	0	23
	Left-Through		0			0	
	Through	90	0	170	84	0	188
	Through-Right		0			0	
	Right	60	0	0	81	0	0
	Left-Through-Right		1			1	
Left-Right		0			0		
<b>EASTBOUND</b>	Left	47	1	47	44	1	44
	Left-Through		0			0	
	Through	1038	2	519	970	2	485
	Through-Right		0			0	
	Right	18	1	18	30	1	30
	Left-Through-Right		0			0	
Left-Right		0			0		
<b>WESTBOUND</b>	Left	22	1	22	26	1	26
	Left-Through		0			0	
	Through	945	2	473	1017	2	509
	Through-Right		0			0	
	Right	43	1	43	31	1	31
	Left-Through-Right		0			0	
Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 203 <i>East-West:</i> 541 <i>SUM:</i> 744			<i>North-South:</i> 265 <i>East-West:</i> 553 <i>SUM:</i> 818
<b>VOLUME/CAPACITY (V/C) RATIO:</b> <b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b> <b>LEVEL OF SERVICE (LOS):</b>				0.496 <b>0.396</b> <b>A</b>			0.545 <b>0.445</b> <b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**28**

**PROJECT TITLE: AMPAS**  
**North-South Street: La Brea Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Existing with Project Conditions**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>No. of Phases</b> Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity							
		<b>4</b>			<b>4</b>		
		<b>0</b>			<b>0</b>		
		<b>NB -- 0</b>	<b>SB -- 0</b>	<b>0</b>	<b>NB -- 0</b>	<b>SB -- 0</b>	<b>0</b>
		<b>EB -- 0</b>	<b>WB -- 0</b>	<b>0</b>	<b>EB -- 0</b>	<b>WB -- 0</b>	<b>0</b>
		<b>2</b>			<b>2</b>		
		<b>0</b>			<b>0</b>		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	131	1	131	132	1	132
	↶↷ Left-Through		0			0	
	↷ Through	972	2	356	984	2	359
	↷↶ Through-Right		1			1	
	↷ Right	96	0	96	94	0	94
	↷↶↷ Left-Through-Right		0			0	
↷↶↷ Left-Right		0			0		
<b>SOUTHBOUND</b>	↷ Left	93	1	93	4	1	4
	↷↶ Left-Through		0			0	
	↷ Through	1034	2	403	1031	2	403
	↷↶ Through-Right		1			1	
	↷ Right	176	0	176	177	0	177
	↷↶↷ Left-Through-Right		0			0	
↷↶↷ Left-Right		0			0		
<b>EASTBOUND</b>	↶ Left	143	1	143	141	1	141
	↶↷ Left-Through		0			0	
	↶ Through	758	2	379	741	2	371
	↶↷ Through-Right		0			0	
	↶ Right	92	1	27	118	1	52
	↶↷↶ Left-Through-Right		0			0	
↶↷↶ Left-Right		0			0		
<b>WESTBOUND</b>	↶ Left	134	1	134	176	1	176
	↶↷ Left-Through		0			0	
	↶ Through	688	2	344	840	2	420
	↶↷ Through-Right		0			0	
	↶ Right	141	1	95	125	1	123
	↶↷↶ Left-Through-Right		0			0	
↶↷↶ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 534			<i>North-South:</i> 535		
		<i>East-West:</i> 513			<i>East-West:</i> 561		
		<i>SUM:</i> 1047			<i>SUM:</i> 1096		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.761			0.797		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.661</b>			<b>0.697</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>B</b>			<b>B</b>		

### Level of Service Workheet (Circular 212 Method)


**I/S #:**  
**29**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: 8th Street**  
**Scenario: Existing with Project Conditions**  
**Count Date:**    **Analyst:**    **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases		3			3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		2			2		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	0	0	0	1	0	0
	Left-Through		0			0	
	Through	864	1	465	992	1	520
	Through-Right		1			1	
	Right	66	0	66	47	0	47
	Left-Through-Right		0			0	
Left-Right		0			0		
SOUTHBOUND	Left	100	1	100	89	1	89
	Left-Through		0			0	
	Through	974	2	487	944	2	472
	Through-Right		0			0	
	Right	0	0	0	1	0	0
	Left-Through-Right		0			0	
Left-Right		0			0		
EASTBOUND	Left	2	0	2	3	0	3
	Left-Through		0			0	
	Through	16	0	22	13	0	21
	Through-Right		0			0	
	Right	4	0	0	5	0	0
	Left-Through-Right		1			1	
Left-Right		0			0		
WESTBOUND	Left	72	1	63	70	1	58
	Left-Through		0			0	
	Through	0	0	0	0	0	0
	Through-Right		0			0	
	Right	118	1	13	105	1	14
	Left-Through-Right		0			0	
Left-Right		1			1		
CRITICAL VOLUMES		<i>North-South:</i> 565			<i>North-South:</i> 609		
		<i>East-West:</i> 85			<i>East-West:</i> 79		
		<i>SUM:</i> 650			<i>SUM:</i> 688		
VOLUME/CAPACITY (V/C) RATIO:		0.456			0.483		
V/C LESS ATSAC/ATCS ADJUSTMENT:		<b>0.356</b>			<b>0.383</b>		
LEVEL OF SERVICE (LOS):		<b>A</b>			<b>A</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Existing with Project Conditions  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0			2 0 0 0 2 0
		<i>NB</i> -- 0	<i>SB</i> -- 0		<i>NB</i> -- 0	<i>SB</i> -- 0	
		<i>EB</i> -- 0	<i>WB</i> -- 0		<i>EB</i> -- 0	<i>WB</i> -- 0	
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	111	0	111	56	0	56
	↵↔ Left-Through		1			1	
	↔ Through	475	0	471	508	0	322
	↔↗ Through-Right		1			1	
	↗ Right	22	0	471	24	0	322
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0	0		0		
<b>SOUTHBOUND</b>	↵ Left	80	0	80	79	0	79
	↵↔ Left-Through		1			1	
	↔ Through	514	1	337	366	1	262
	↔↗ Through-Right		0			0	
	↗ Right	90	0	90	18	0	18
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0	0		0		
<b>EASTBOUND</b>	↵ Left	52	1	52	29	1	29
	↵↔ Left-Through		0			0	
	↔ Through	639	2	238	535	2	189
	↔↗ Through-Right		1			1	
	↗ Right	76	0	76	31	0	31
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0	0		0		
<b>WESTBOUND</b>	↵ Left	44	1	44	17	1	17
	↵↔ Left-Through		0			0	
	↔ Through	636	2	246	465	2	183
	↔↗ Through-Right		1			1	
	↗ Right	102	0	102	85	0	85
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0	0		0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 551 <i>East-West:</i> 298 <i>SUM:</i> 849			<i>North-South:</i> 401 <i>East-West:</i> 212 <i>SUM:</i> 613
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.566			0.409
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.466</b>			<b>0.309</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**31**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Carillo Drive/Crescent Pl **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project Conditions  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 2 0 2 0			2 0 2 0 2 0
		NB -- 0 EB -- 0	SB -- 2 WB -- 0		NB -- 0 EB -- 0	SB -- 2 WB -- 0	
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	146	0	0	1	0	0
	Left-Through		0			0	
	Through	392	1	392	381	1	381
	Through-Right		0			0	
	Right	43	1	29	39	1	18
	Left-Through-Right		0			0	
<b>SOUTHBOUND</b>	Left	15	0	0	2	0	0
	Left-Through		0			0	
	Through	359	0	279	291	0	197
	Through-Right		1			1	
	Right	198	1	0	102	1	0
	Left-Through-Right		0			0	
<b>EASTBOUND</b>	Left	152	1	152	140	1	140
	Left-Through		0			0	
	Through	928	2	464	824	2	412
	Through-Right		0			0	
	Right	19	1	19	18	1	18
	Left-Through-Right		0			0	
<b>WESTBOUND</b>	Left	29	1	29	42	1	42
	Left-Through		0			0	
	Through	947	2	474	722	2	361
	Through-Right		0			0	
	Right	10	1	10	3	1	3
	Left-Through-Right		0			0	
<b>CRITICAL VOLUMES</b>				<b>North-South:</b> 392 <b>East-West:</b> 626 <b>SUM:</b> 1018			<b>North-South:</b> 381 <b>East-West:</b> 501 <b>SUM:</b> 882
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.679			0.588
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.579</b>			<b>0.488</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Existing with Project Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases				3			3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 0	0	<i>NB --</i> 0	<i>SB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	0	0	0	0	0	0
	↙↔ Left-Through		0			0	
	↔ Through	685	2	343	785	2	393
	↔↘ Through-Right		0			0	
	↘ Right	2	0	0	0	0	0
	↙↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>SOUTHBOUND</b>	↙ Left	102	1	102	111	1	111
	↙↔ Left-Through		0			0	
	↔ Through	881	1	462	899	1	461
	↔↘ Through-Right		1			1	
	↘ Right	43	0	43	23	0	23
	↙↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>EASTBOUND</b>	↙ Left	36	1	36	22	1	22
	↙↔ Left-Through		0			0	
	↔ Through	695	4	174	467	4	117
	↔↘ Through-Right		0			0	
	↘ Right	104	1	104	73	1	73
	↙↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>WESTBOUND</b>	↙ Left	0	0	0	1	0	0
	↙↔ Left-Through		0			0	
	↔ Through	652	2	268	514	2	253
	↔↘ Through-Right		1			1	
	↘ Right	153	0	153	245	0	245
	↙↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 462 <i>East-West:</i> 304 <i>SUM:</i> 766			<i>North-South:</i> 504 <i>East-West:</i> 275 <i>SUM:</i> 779
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.538			0.547
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				0.438			0.447
<b>LEVEL OF SERVICE (LOS):</b>				A			A



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**33**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				3			3
				0			0
		<i>NB</i> -- 0	<i>SB</i> -- 0	0	<i>NB</i> -- 0	<i>SB</i> -- 0	0
		<i>EB</i> -- 0	<i>WB</i> -- 0	0	<i>EB</i> -- 0	<i>WB</i> -- 0	0
				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	56	1	56	17	1	17
	↵↔ Left-Through		0			0	
	↔ Through	587	1	318	562	1	296
	↔↘ Through-Right		1			1	
	↘ Right	48	0	48	29	0	29
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	0	0	0	0	0	0
	↵↔ Left-Through		0			0	
	↔ Through	815	1	527	819	1	501
	↔↘ Through-Right		1			1	
	↘ Right	238	0	238	183	0	183
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	129	1	129	151	1	151
	↵↔ Left-Through		0			0	
	↔ Through	829	2	288	722	2	248
	↔↘ Through-Right		1			1	
	↘ Right	34	0	34	23	0	23
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	59	1	59	81	1	81
	↵↔ Left-Through		0			0	
	↔ Through	715	3	238	612	3	204
	↔↘ Through-Right		0			0	
	↘ Right	16	0	0	8	0	0
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 583 <i>East-West:</i> 367 <i>SUM:</i> 950			<i>North-South:</i> 518 <i>East-West:</i> 355 <i>SUM:</i> 873
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.667			0.613
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.567</b>			<b>0.513</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
34

**PROJECT TITLE:** AMPAS  
**North-South Street:** San Vicente Boulevard    **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project Conditions  
**Count Date:**    **Analyst:**    **Date:**

	No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity	WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		NB --	SB --	Lane	NB --	SB --	Lane
		0	0	3	0	0	3
		0	0	0	0	0	0
		0	0	0	0	0	0
				2			2
				0			0
MOVEMENT							
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	↶ Left	104	1	104	93	1	93
	↶↷ Left-Through		0			0	
	↷ Through	709	2	237	536	2	181
	↷↶ Through-Right		1			1	
	↷ Right	3	0	3	8	0	8
	↷↶ Left-Through-Right		0			0	
	↷↶ Left-Right		0			0	
SOUTHBOUND	↷ Left	2	0	0	2	0	0
	↷↶ Left-Through		0			0	
	↷ Through	730	4	183	744	4	186
	↷↶ Through-Right		0			0	
	↷ Right	0	0	0	0	0	0
	↷↶ Left-Through-Right		0			0	
	↷↶ Left-Right		0			0	
EASTBOUND	↷ Left	1	0	0	2	0	0
	↷↶ Left-Through		0			0	
	↷ Through	752	2	293	572	2	236
	↷↶ Through-Right		1			1	
	↷ Right	127	0	127	135	0	135
	↷↶ Left-Through-Right		0			0	
	↷↶ Left-Right		0			0	
WESTBOUND	↷ Left	1	0	0	0	0	0
	↷↶ Left-Through		0			0	
	↷ Through	731	2	315	589	2	273
	↷↶ Through-Right		1			1	
	↷ Right	213	0	213	230	0	230
	↷↶ Left-Through-Right		0			0	
	↷↶ Left-Right		0			0	
CRITICAL VOLUMES		<i>North-South:</i> 287			<i>North-South:</i> 279		
		<i>East-West:</i> 315			<i>East-West:</i> 273		
		<i>SUM:</i> 602			<i>SUM:</i> 552		
VOLUME/CAPACITY (V/C) RATIO:		0.422			0.387		
V/C LESS ATSAC/ATCS ADJUSTMENT:		0.322			0.287		
LEVEL OF SERVICE (LOS):		A			A		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**35**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project Conditions  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0			2 0 0 0 2 0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	10	0	10	5	0	5
	↵↶ Left-Through		0			0	
	↶ Through	63	0	93	79	0	122
	↶↷ Through-Right		0			0	
	↷ Right	20	0	0	38	0	0
	↶↷↶ Left-Through-Right		1			1	
	↷↶ Left-Right		0			0	
<b>SOUTHBOUND</b>	↵ Left	27	0	27	24	0	24
	↵↶ Left-Through		0			0	
	↶ Through	77	0	144	53	0	94
	↶↷ Through-Right		0			0	
	↷ Right	40	0	0	17	0	0
	↶↷↶ Left-Through-Right		1			1	
	↷↶ Left-Right		0			0	
<b>EASTBOUND</b>	↵ Left	38	1	38	43	1	43
	↵↶ Left-Through		0			0	
	↶ Through	781	2	391	760	2	380
	↶↷ Through-Right		0			0	
	↷ Right	12	1	12	13	1	13
	↶↷↶ Left-Through-Right		0			0	
	↷↶ Left-Right		0			0	
<b>WESTBOUND</b>	↵ Left	30	1	30	19	1	19
	↵↶ Left-Through		0			0	
	↶ Through	820	2	410	765	2	383
	↶↷ Through-Right		0			0	
	↷ Right	26	1	26	35	1	35
	↶↷↶ Left-Through-Right		0			0	
	↷↶ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> <i>East-West:</i> <i>SUM:</i>	154 448 602		<i>North-South:</i> <i>East-West:</i> <i>SUM:</i> 146 426 572
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.401			0.381
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.301</b>			<b>0.281</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



**Level of Service Worksheet**  
(Circular 212 Method)



**I/S #:**  
**36**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: Olympic Boulevard**  
**Scenario: Existing with Project Conditions**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> -- 0	0	<i>NB</i> -- 0	<i>SB</i> -- 0	0
		<i>EB</i> -- 0	<i>WB</i> -- 0	0	<i>EB</i> -- 0	<i>WB</i> -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	↲ Left	23	1	23	10	1	10
	↲ Left-Through		0			0	
	↲ Through	332	0	363	429	0	467
	↲ Through-Right		1			1	
	↲ Right	31	0	0	38	0	0
	↲ Left-Through-Right		0			0	
SOUTHBOUND	↻ Left	44	1	44	48	1	48
	↻ Left-Through		0			0	
	↻ Through	318	0	379	340	0	407
	↻ Through-Right		1			1	
	↻ Right	61	0	0	67	0	0
	↻ Left-Through-Right		0			0	
EASTBOUND	↻ Left	60	1	60	73	1	73
	↻ Left-Through		0			0	
	↻ Through	760	2	380	744	2	372
	↻ Through-Right		0			0	
	↻ Right	10	1	0	12	1	7
	↻ Left-Through-Right		0			0	
WESTBOUND	↻ Left	36	1	36	46	1	46
	↻ Left-Through		0			0	
	↻ Through	772	2	386	752	2	376
	↻ Through-Right		0			0	
	↻ Right	40	1	18	83	1	59
	↻ Left-Through-Right		0			0	
CRITICAL VOLUMES				<i>North-South:</i> 407			<i>North-South:</i> 515
				<i>East-West:</i> 446			<i>East-West:</i> 449
				<b>SUM:</b> 853			<b>SUM:</b> 964
VOLUME/CAPACITY (V/C) RATIO:				0.569			0.643
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.469</b>			<b>0.543</b>
LEVEL OF SERVICE (LOS):				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**37**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
Override Capacity		2			2		
		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	17	0	17	23	0	23
	↙↔ Left-Through		0			0	
	↔ Through	94	0	142	105	0	190
	↔↘ Through-Right		0			0	
	↘ Right	31	0	0	62	0	0
	↙↔↘ Left-Through-Right		1			1	
↙↔↘ Left-Right		0			0		
<b>SOUTHBOUND</b>	↘ Left	27	0	27	24	0	24
	↘↔ Left-Through		0			0	
	↔ Through	62	0	124	94	0	136
	↔↙ Through-Right		0			0	
	↙ Right	35	0	0	18	0	0
	↘↔↙ Left-Through-Right		1			1	
↘↔↙ Left-Right		0			0		
<b>EASTBOUND</b>	↙ Left	23	1	23	18	1	18
	↙↔ Left-Through		0			0	
	↔ Through	801	2	401	842	2	421
	↔↘ Through-Right		0			0	
	↘ Right	9	1	9	9	1	9
	↙↔↘ Left-Through-Right		0			0	
↙↔↘ Left-Right		0			0		
<b>WESTBOUND</b>	↘ Left	53	1	53	32	1	32
	↘↔ Left-Through		0			0	
	↔ Through	784	2	392	898	2	449
	↔↙ Through-Right		0			0	
	↙ Right	33	1	33	35	1	35
	↘↔↙ Left-Through-Right		0			0	
↘↔↙ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 169			<i>North-South:</i> 214		
		<i>East-West:</i> 454			<i>East-West:</i> 467		
		<b>SUM:</b> 623			<b>SUM:</b> 681		
VOLUME/CAPACITY (V/C) RATIO:		0.415			0.454		
V/C LESS ATSAC/ATCS ADJUSTMENT:		<b>0.315</b>			<b>0.354</b>		
LEVEL OF SERVICE (LOS):		<b>A</b>			<b>A</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**38**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Pico Boulevard  
**Scenario:** Existing with Project Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		3			3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	141	1	141	133	1	133
	Left-Through		0			0	
	Through	581	2	291	631	2	316
	Through-Right		0			0	
	Right	97	1	46	134	1	89
	Left-Through-Right		0			0	
Left-Right		0			0		
<b>SOUTHBOUND</b>	Left	77	1	77	77	1	77
	Left-Through		0			0	
	Through	778	2	389	745	2	373
	Through-Right		0			0	
	Right	55	1	29	56	1	21
	Left-Through-Right		0			0	
Left-Right		0			0		
<b>EASTBOUND</b>	Left	52	1	52	70	1	70
	Left-Through		0			0	
	Through	693	1	392	727	1	409
	Through-Right		1			1	
	Right	91	0	91	91	0	91
	Left-Through-Right		0			0	
Left-Right		0			0		
<b>WESTBOUND</b>	Left	102	1	102	90	1	90
	Left-Through		0			0	
	Through	622	1	336	642	1	339
	Through-Right		1			1	
	Right	49	0	49	35	0	35
	Left-Through-Right		0			0	
Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 530			<i>North-South:</i> 506		
		<i>East-West:</i> 494			<i>East-West:</i> 499		
		<b>SUM:</b> 1024			<b>SUM:</b> 1005		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.719			0.705		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.619</b>			<b>0.605</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>B</b>			<b>B</b>		

## EXISTING WITH PROJECT CONDITIONS

**AMPAS Museum**

## Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

**WEEKDAY MIDDAY PEAK HOUR**

Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	188	0.000	N/S 1: 0.363
	Through	3.00	4,800	963	0.252 *	N/S 2: 0.372 *
	Left	1.00	1,600	148	0.097	E/W 1: 0.381 *
Westbound	Right	0.00	0	78	0.000	E/W 2: 0.339
	Through	3.00	4,800	894	0.213	V/C Ratio: 0.753
	Left	1.00	1,600	191	0.126 *	Loss Time: 0.100
Northbound	Right	0.00	0	169	0.000	ITS: 0.000
	Through	3.00	4,800	1,042	0.266	ICU: 0.853
	Left	1.00	1,600	183	0.120 *	LOS: D
Eastbound	Right	0.00	0	214	0.000	
	Through	3.00	4,800	948	0.255 *	
	Left	1.00	1,600	191	0.126	

\* Critical Movement

## EXISTING WITH PROJECT CONDITIONS

**AMPAS Museum**

## Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

**SATURDAY MIDDAY PEAK HOUR**

Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	122	0.000	N/S 1: 0.349
	Through	3.00	4,800	1,056	0.258 *	N/S 2: 0.380 *
	Left	1.00	1,600	95	0.063	E/W 1: 0.343 *
Westbound	Right	0.00	0	64	0.000	E/W 2: 0.304
	Through	3.00	4,800	771	0.183	V/C Ratio: 0.723
	Left	1.00	1,600	194	0.128 *	Loss Time: 0.100
Northbound	Right	0.00	0	146	0.000	ITS: 0.000
	Through	3.00	4,800	1,158	0.286	ICU: 0.823
	Left	1.00	1,600	185	0.122 *	LOS: D
Eastbound	Right	0.00	0	205	0.000	
	Through	3.00	4,800	777	0.215 *	
	Left	1.00	1,600	184	0.121	

\* Critical Movement

# HCM Signalized Intersection Capacity Analysis

## 43: Santa Monica Blvd & Fairfax Ave

5/11/2015



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↕		↖	↕		↖	↕	↗	↖	↕	↗
Volume (vph)	181	869	99	203	804	77	114	685	151	94	727	122
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Frt	1.00	0.98		1.00	0.99		1.00	1.00	0.85	1.00	0.98	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2971		1509	2978		1509	3018	1350	1509	2953	
Flt Permitted	0.20	1.00		0.17	1.00		0.16	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	322	2971		267	2978		261	3018	1350	260	2953	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	191	915	104	214	846	81	120	721	159	99	765	128
RTOR Reduction (vph)	0	8	0	0	7	0	0	0	79	0	14	0
Lane Group Flow (vph)	191	1011	0	214	920	0	120	721	80	99	880	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	54.0	47.0		54.0	47.0		32.3	25.3	25.3	31.0	24.9	
Effective Green, g (s)	52.0	47.0		52.0	47.0		30.3	25.4	25.4	30.0	25.0	
Actuated g/C Ratio	0.52	0.47		0.52	0.47		0.30	0.25	0.25	0.30	0.25	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	239	1396		213	1400		154	767	343	148	738	
v/s Ratio Prot	0.05	0.34		c0.06	0.31		c0.05	0.24		0.04	c0.30	
v/s Ratio Perm	0.37			c0.46			0.19		0.06	0.16		
v/c Ratio	0.80	0.72		1.00	0.66		0.78	0.94	0.23	0.67	1.19	
Uniform Delay, d1	17.0	21.3		21.2	20.3		28.7	36.6	29.6	27.6	37.5	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.69	0.59	
Incremental Delay, d2	15.8	3.3		62.9	2.4		31.4	20.8	1.6	7.7	98.3	
Delay (s)	32.8	24.6		84.1	22.7		60.0	57.3	31.2	26.9	120.3	
Level of Service	C	C		F	C		E	E	C	C	F	
Approach Delay (s)		25.9			34.3			53.5			110.9	
Approach LOS		C			C			D			F	

### Intersection Summary

HCM Average Control Delay	53.9	HCM Level of Service	D
HCM Volume to Capacity ratio	1.03		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	16.0
Intersection Capacity Utilization	93.9%	ICU Level of Service	F
Analysis Period (min)	15		
c Critical Lane Group			

# HCM Signalized Intersection Capacity Analysis

## 43: Santa Monica Blvd & Fairfax Ave

5/11/2015



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	198	968	112	208	846	88	123	679	143	101	870	144
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Frt	1.00	0.98		1.00	0.99		1.00	1.00	0.85	1.00	0.98	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2971		1509	2975		1509	3018	1350	1509	2953	
Flt Permitted	0.18	1.00		0.13	1.00		0.17	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	287	2971		204	2975		263	3018	1350	260	2953	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	208	1019	118	219	891	93	129	715	151	106	916	152
RTOR Reduction (vph)	0	9	0	0	8	0	0	0	75	0	14	0
Lane Group Flow (vph)	208	1128	0	219	976	0	129	715	76	106	1055	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	54.0	47.0		54.0	47.0		32.2	25.2	25.2	31.1	24.9	
Effective Green, g (s)	52.0	47.0		52.0	47.0		30.2	25.3	25.3	30.1	25.0	
Actuated g/C Ratio	0.52	0.47		0.52	0.47		0.30	0.25	0.25	0.30	0.25	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	223	1396		184	1398		154	764	342	149	738	
v/s Ratio Prot	0.06	0.38		c0.07	0.33		c0.05	0.24		0.04	c0.36	
v/s Ratio Perm	0.43			c0.55			0.20		0.06	0.17		
v/c Ratio	0.93	0.81		1.19	0.70		0.84	0.94	0.22	0.71	1.43	
Uniform Delay, d1	19.8	22.6		19.9	20.9		30.1	36.6	29.6	27.7	37.5	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.71	0.59	
Incremental Delay, d2	41.3	5.1		126.9	2.9		39.2	20.2	1.5	11.4	200.1	
Delay (s)	61.1	27.8		146.8	23.8		69.3	56.8	31.0	31.1	222.2	
Level of Service	E	C		F	C		E	E	C	C	F	
Approach Delay (s)		32.9			46.2			54.5			204.9	
Approach LOS		C			D			D			F	

### Intersection Summary

HCM Average Control Delay	83.7	HCM Level of Service	F
HCM Volume to Capacity ratio	1.22		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	16.0
Intersection Capacity Utilization	104.0%	ICU Level of Service	G
Analysis Period (min)	15		
c Critical Lane Group			



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**1**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Sunset Boulevard  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	140	1	140
	↵↔ Left-Through		0	
	↔ Through	843	2	422
	↔↘ Through-Right		0	
	↘ Right	258	1	39
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	55	1	55
	↵↔ Left-Through		0	
	↔ Through	574	2	287
	↔↘ Through-Right		0	
	↘ Right	190	1	59
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	263	1	263
	↵↔ Left-Through		0	
	↔ Through	1208	2	441
	↔↘ Through-Right		1	
	↘ Right	114	0	114
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	219	1	219
	↵↔ Left-Through		0	
	↔ Through	912	2	321
	↔↘ Through-Right		1	
	↘ Right	50	0	50
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		477
		<i>East-West:</i>		660
		<b>SUM:</b>		1137
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.827
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.727</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**3**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Melrose Avenue  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	71	1	71
	↶↷ Left-Through		0	
	↷ Through	1065	2	411
	↷↶ Through-Right		1	
	↷ Right	167	0	167
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	91	1	91
	↷↶ Left-Through		0	
	↷ Through	771	2	305
	↷↶ Through-Right		1	
	↷ Right	144	0	144
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	205	1	205
	↷↶ Left-Through		0	
	↷ Through	1118	1	611
	↷↶ Through-Right		1	
	↷ Right	103	0	103
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	183	1	183
	↶↷ Left-Through		0	
	↶ Through	672	1	396
	↶↶ Through-Right		1	
	↶ Right	119	0	119
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		502
		<b>East-West:</b>		794
		<b>SUM:</b>		1296
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.909
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.809</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**4**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Beverly Boulevard  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 3	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	126	1	126
	↶↷ Left-Through		0	
	↷ Through	907	2	454
	↷↶ Through-Right		0	
	↷ Right	266	1	76
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	159	1	159
	↷↶ Left-Through		0	
	↷ Through	862	1	486
	↷↶ Through-Right		1	
	↷ Right	109	0	109
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	89	1	89
	↷↶ Left-Through		0	
	↷ Through	1099	2	550
	↷↶ Through-Right		0	
	↷ Right	120	1	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	190	1	190
	↷↶ Left-Through		0	
	↷ Through	1002	2	501
	↷↶ Through-Right		0	
	↷ Right	134	1	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		613
		<i>East-West:</i>		740
		<i>SUM:</i>		1353
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.984
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.884</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**6**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 3rd Street  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	68	1	68
	↶↷ Left-Through		0	
	↷ Through	783	2	392
	↷↶ Through-Right		0	
	↷ Right	78	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	196	1	196
	↷↶ Left-Through		0	
	↷ Through	879	1	517
	↷↶ Through-Right		1	
	↷ Right	154	0	154
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	211	1	211
	↷↶ Left-Through		0	
	↷ Through	1103	1	583
	↷↶ Through-Right		1	
	↷ Right	63	0	63
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	158	1	158
	↷↶ Left-Through		0	
	↷ Through	768	2	384
	↷↶ Through-Right		0	
	↷ Right	156	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		588
		<i>East-West:</i>		741
		<b>SUM:</b>		1329
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.967
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.867</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



<b>I/S #:</b>	<b>PROJECT TITLE:</b> AMPAS	<b>North-South Street:</b> Martel Avenue/Hauser Blvd	<b>East-West Street:</b> 3rd Street
<b>7</b>		<b>Scenario:</b> Existing with Project	
	<b>Count Date:</b>	<b>Analyst:</b>	<b>Date:</b>

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	184	1	184
	↶↷ Left-Through		0	
	↷ Through	385	1	385
	↷↶ Through-Right		0	
	↷ Right	134	1	83
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	30	0	30
	↷↷ Left-Through		0	
	↷ Through	322	0	378
	↷↶ Through-Right		0	
	↷ Right	26	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	21	1	21
	↶↷ Left-Through		0	
	↷ Through	1057	1	620
	↷↶ Through-Right		1	
	↷ Right	182	0	182
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	102	1	102
	↶↷ Left-Through		0	
	↷ Through	989	1	507
	↷↶ Through-Right		1	
	↷ Right	24	0	24
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		562
		<i>East-West:</i>		722
		<b>SUM:</b>		1284
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.856		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.756</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>C</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**8**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue/Alta V**    **East-West Street: 3rd Street**  
**Scenario: Existing with Project**  
**Count Date:**    **Analyst:**    **Date:**

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0
		NB -- 0                    SB -- EB -- 0                    WB --		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	27	0	27
	Left-Through		0	
	Through	116	0	164
	Through-Right		0	
	Right	21	0	0
	Left-Through-Right		1	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	93	0	93
	Left-Through		0	
	Through	155	0	362
	Through-Right		0	
	Right	114	0	0
	Left-Through-Right		1	
	Left-Right		0	
<b>EASTBOUND</b>	Left	59	1	59
	Left-Through		0	
	Through	1168	1	588
	Through-Right		1	
	Right	7	0	7
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	11	1	11
	Left-Through		0	
	Through	969	1	503
	Through-Right		1	
	Right	37	0	37
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>		North-South: 389 East-West: 599 <b>SUM: 988</b>		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.659		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.559</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>		





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**10**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Colgate Avenue  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	22	1	22
	↶↷ Left-Through		0	
	↷ Through	1040	1	574
	↷↶ Through-Right		1	
	↷ Right	108	0	108
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	33	1	33
	↷↶ Left-Through		0	
	↷ Through	1152	1	584
	↷↶ Through-Right		1	
	↷ Right	15	0	15
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	13	0	13
	↶↷ Left-Through		0	
	↶ Through	116	0	150
	↶↷ Through-Right		0	
	↶ Right	21	0	0
	↶↷↶ Left-Through-Right		1	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	98	0	98
	↷↶ Left-Through		0	
	↷ Through	32	0	140
	↷↶ Through-Right		0	
	↷ Right	10	0	0
	↷↶↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		607
		<i>East-West:</i>		248
		<i>SUM:</i>		855
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.570
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.470</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>





### Level of Service Worksheet (Circular 212 Method)



I/S #: **12**

PROJECT TITLE: **AMPAS**

North-South Street: **San Vicente Boulevard**

East-West Street: **6th Street**

Scenario: **Existing with Project**

Count Date:

Analyst:

Date:

		WEEKDAY PM PEAK HOUR		
		No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		
		Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB -- 0	SB -- 0
		ATSAC-1 or ATSAC+ATCS-2?	EB -- 0	WB -- 3
		Override Capacity		2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	0	0	0
	Left-Through		0	
	Through	945	2	338
	Through-Right		1	
	Right	68	0	68
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	367	1	367
	Left-Through		0	
	Through	1178	3	393
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	0	0	0
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	112	0	112
	Left-Through		1	
	Through	0	0	112
	Through-Right		0	
	Right	204	1	0
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		705
		<i>East-West:</i>		112
		<i>SUM:</i>		817
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.573
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.473</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE:** AMPAS

**North-South Street:** Fairfax Avenue

**East-West Street:** 6th Street

**Scenario:** Existing with Project

**Count Date:**

**Analyst:**

**Date:**

		No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity	WEEKDAY PM PEAK HOUR		
			NB --	SB --	WB --
			2	0	0
			0	0	0
					2
					0
MOVEMENT		Volume	No. of Lanes	Lane Volume	
NORTHBOUND	↶ Left	26	1	26	
	↶ Left-Through		0		
	↷ Through	927	2	464	
	↷ Through-Right		0		
	↷ Right	254	1	254	
	↷ Left-Through-Right		0		
	↷ Left-Right		0		
SOUTHBOUND	↷ Left	154	1	154	
	↷ Left-Through		0		
	↷ Through	1116	1	579	
	↷ Through-Right		1		
	↷ Right	41	0	41	
	↷ Left-Through-Right		0		
	↷ Left-Right		0		
EASTBOUND	↷ Left	20	1	20	
	↷ Left-Through		0		
	↷ Through	415	0	434	
	↷ Through-Right		1		
	↷ Right	19	0	0	
	↷ Left-Through-Right		0		
	↷ Left-Right		0		
WESTBOUND	↷ Left	193	2	106	
	↷ Left-Through		0		
	↷ Through	408	1	408	
	↷ Through-Right		0		
	↷ Right	237	1	160	
	↷ Left-Through-Right		0		
	↷ Left-Right		0		
CRITICAL VOLUMES			<b>North-South:</b>	618	
			<b>East-West:</b>	540	
			<b>SUM:</b>	1158	
VOLUME/CAPACITY (V/C) RATIO:				0.813	
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.713</b>	
LEVEL OF SERVICE (LOS):				<b>C</b>	



# Level of Service Worksheet (Circular 212 Method)



I/S #: 14

PROJECT TITLE: AMPAS  
 North-South Street: Odgen Drive/Project Dv East-West Street: 6th Street  
 Scenario: Existing with Project  
 Count Date: Analyst: Date:

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	145	0	145
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	126	0	271
	Left-Through-Right		0	
	Left-Right		1	
SOUTHBOUND	Left	4	0	4
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	13	0	17
	Left-Through-Right		0	
	Left-Right		1	
EASTBOUND	Left	14	1	14
	Left-Through		0	
	Through	779	1	406
	Through-Right		1	
	Right	33	0	33
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	19	1	19
	Left-Through		0	
	Through	680	1	347
	Through-Right		1	
	Right	13	0	13
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES			North-South:	275
			East-West:	425
			SUM:	700
VOLUME/CAPACITY (V/C) RATIO:		0.467		
V/C LESS ATSAC/ATCS ADJUSTMENT:		0.367		
LEVEL OF SERVICE (LOS):		A		



# Level of Service Worksheet (Circular 212 Method)



**I/S #:** 15      **PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	128	1	128
	↶↷ Left-Through		0	
	↷ Through	101	0	268
	↷↶ Through-Right		1	
	↷ Right	167	0	0
	↷↶ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	44	1	44
	↷↶ Left-Through		0	
	↶ Through	55	0	85
	↶↷ Through-Right		1	
	↶ Right	30	0	0
	↶↷ Left-Through-Right		0	
	↶↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	47	1	47
	↷↶ Left-Through		0	
	↶ Through	836	1	442
	↶↷ Through-Right		1	
	↶ Right	47	0	47
	↶↷ Left-Through-Right		0	
	↶↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	70	1	70
	↷↶ Left-Through		0	
	↶ Through	573	1	321
	↶↷ Through-Right		1	
	↶ Right	69	0	69
	↶↷ Left-Through-Right		0	
	↶↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		312
		<b>East-West:</b>		512
		<b>SUM:</b>		824
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.549		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.449</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**16**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Hauser Boulevard      **East-West Street:** 6th Street  
**Scenario:** Existing with Project  
**Count Date:**    **Analyst:**    **Date:**

		WEEKDAY PM PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> --	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB</i> -- 0	<i>WB</i> --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	45	1	45
	Left-Through		0	
	Through	473	0	508
	Through-Right		1	
	Right	35	0	0
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	45	1	45
	Left-Through		0	
	Through	400	1	400
	Through-Right		0	
	Right	69	1	69
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	32	0	0
	Left-Through		0	
	Through	1083	1	577
	Through-Right		1	
	Right	70	0	70
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	5	0	0
	Left-Through		0	
	Through	613	1	335
	Through-Right		1	
	Right	56	0	56
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		553
		<i>East-West:</i>		577
		<b>SUM:</b>		1130
VOLUME/CAPACITY (V/C) RATIO:				0.753
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.653</b>
LEVEL OF SERVICE (LOS):				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Burnside Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0
		<i>NB --</i> 0	<i>SB --</i>	0
		<i>EB --</i> 0	<i>WB --</i>	0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	17	0	17
	↵↔ Left-Through		0	
	↔ Through	109	0	167
	↔↘ Through-Right		0	
	↘ Right	41	0	0
	↵↘ Left-Through-Right		1	
	↘↔ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	52	0	52
	↵↔ Left-Through		1	
	↔ Through	43	0	95
	↔↘ Through-Right		0	
	↘ Right	17	1	17
	↵↘ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	77	0	77
	↵↔ Left-Through		1	
	↔ Through	1093	0	712
	↔↘ Through-Right		1	
	↘ Right	22	0	712
	↵↘ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	36	0	36
	↵↔ Left-Through		1	
	↔ Through	657	0	497
	↔↘ Through-Right		1	
	↘ Right	121	0	497
	↵↘ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		219
		<i>East-West:</i>		748
		<i>SUM:</i>		967
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.645
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.545</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**18**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<b>NB --</b> 0	<b>SB --</b>	0
ATSAC-1 or ATSAC+ATCS-2?		<b>EB --</b> 0	<b>WB --</b>	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	31	0	31
	Left-Through		0	
	Through	253	0	335
	Through-Right		0	
	Right	51	0	0
	Left-Through-Right		1	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	10	0	10
	Left-Through		0	
	Through	148	0	196
	Through-Right		0	
	Right	38	0	0
	Left-Through-Right		1	
	Left-Right		0	
<b>EASTBOUND</b>	Left	139	0	139
	Left-Through		1	
	Through	1000	0	816
	Through-Right		1	
	Right	75	0	816
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	34	0	34
	Left-Through		1	
	Through	727	0	487
	Through-Right		1	
	Right	42	0	487
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		345
		<b>East-West:</b>		850
		<b>SUM:</b>		1195
VOLUME/CAPACITY (V/C) RATIO:				0.797
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.697
LEVEL OF SERVICE (LOS):				B





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**19**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
		No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity	NB -- EB --	SB -- WB --
		2		
		0		
		0		
		0		
		2		
		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↶ Left	67	1	67
	↶ Left-Through		0	
	↷ Through	1494	2	516
	↷ Through-Right		1	
	↷ Right	54	0	54
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
SOUTHBOUND	↷ Left	66	1	66
	↷ Left-Through		0	
	↶ Through	1358	2	476
	↶ Through-Right		1	
	↶ Right	71	0	71
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
EASTBOUND	↷ Left	4	0	0
	↷ Left-Through		0	
	↶ Through	963	1	510
	↶ Through-Right		1	
	↶ Right	57	0	57
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
WESTBOUND	↷ Left	0	0	0
	↷ Left-Through		0	
	↶ Through	674	1	378
	↶ Through-Right		1	
	↶ Right	81	0	81
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	582
			<b>East-West:</b>	510
			<b>SUM:</b>	1092
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.728
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.628</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



# Level of Service Workheet (Circular 212 Method)



**I/S #:**  
21

**PROJECT TITLE:** AMPAS  
**North-South Street:** San Vicente Boulevard **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
<b>No. of Phases</b>		4		
<b>Opposed Ø'ing: N/S-1, E/W-2 or Both-3?</b>		0		
<b>Right Turns: FREE-1, NRTOR-2 or OLA-3?</b>		<i>NB</i> -- 0	<i>SB</i> --	0
		<i>EB</i> -- 0	<i>WB</i> --	0
<b>ATSAC-1 or ATSAC+ATCS-2?</b>		2		
<b>Override Capacity</b>		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	255	2	140
	Left-Through		0	
	Through	688	2	242
	Through-Right		1	
	Right	39	0	39
	Left-Through-Right		0	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	221	2	122
	Left-Through		0	
	Through	1036	3	345
	Through-Right		0	
	Right	115	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>EASTBOUND</b>	Left	69	1	69
	Left-Through		0	
	Through	1434	2	558
	Through-Right		1	
	Right	239	0	239
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	52	1	52
	Left-Through		0	
	Through	912	2	388
	Through-Right		1	
	Right	253	0	253
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		485
		<i>East-West:</i>		610
		<b>SUM:</b>		1095
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.796		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		0.696		
<b>LEVEL OF SERVICE (LOS):</b>		B		



# Level of Service Worksheet (Circular 212 Method)



I/S #: **22**

PROJECT TITLE: AMPAS  
 North-South Street: Crescent Heights Boulevard East-West Street: Wilshire Boulevard  
 Scenario: Existing with Project  
 Count Date: Analyst: Date:

		WEEKDAY PM PEAK HOUR		
		NB --	SB --	WB --
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		0	0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	685	1	399
	↶↷ Through-Right		1	
	↷ Right	113	0	113
	↶↷ Left-Through-Right		0	
	↷↶ Left-Right		0	
SOUTHBOUND	↷ Left	101	0	101
	↷↶ Left-Through		1	
	↷ Through	638	0	561
	↷↶ Through-Right		1	
	↷ Right	80	0	561
	↷↶ Left-Through-Right		0	
	↶↷ Left-Right		0	
EASTBOUND	↶ Left	133	1	133
	↶↷ Left-Through		0	
	↷ Through	1433	2	527
	↶↷ Through-Right		1	
	↷ Right	149	0	149
	↶↷ Left-Through-Right		0	
	↷↶ Left-Right		0	
WESTBOUND	↶ Left	91	1	91
	↶↷ Left-Through		0	
	↷ Through	1039	2	389
	↶↷ Through-Right		1	
	↷ Right	127	0	127
	↶↷ Left-Through-Right		0	
	↷↶ Left-Right		0	
CRITICAL VOLUMES		<b>North-South:</b>		561
		<b>East-West:</b>		618
		<b>SUM:</b>		1179
VOLUME/CAPACITY (V/C) RATIO:		0.786		
V/C LESS ATSAC/ATCS ADJUSTMENT:		<b>0.686</b>		
LEVEL OF SERVICE (LOS):		<b>B</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**23**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	3
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	82	1	82
	↶↷ Left-Through		0	
	↷ Through	769	1	407
	↷↶ Through-Right		1	
	↷ Right	44	0	44
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	192	1	192
	↷↶ Left-Through		0	
	↷ Through	958	2	479
	↷↶ Through-Right		0	
	↷ Right	184	1	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	260	1	260
	↷↶ Left-Through		0	
	↷ Through	1306	2	464
	↷↶ Through-Right		1	
	↷ Right	85	0	85
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	80	1	80
	↷↶ Left-Through		0	
	↷ Through	944	2	364
	↷↶ Through-Right		1	
	↷ Right	147	0	147
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		599
		<b>East-West:</b>		624
		<b>SUM:</b>		1223
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.889
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.789</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**24**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Spaulding Avenue  
**Scenario:** Existing with Project  
**Count Date:**

**East-West Street:** Wilshire Boulevard  
**Analyst:**  
**Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	84	0	84
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	66	0	150
	Left-Through-Right		0	
	Left-Right		1	
<b>SOUTHBOUND</b>	Left	0	0	0
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>EASTBOUND</b>	Left	0	0	0
	Left-Through		0	
	Through	1390	2	494
	Through-Right		1	
	Right	91	0	91
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	39	1	39
	Left-Through		0	
	Through	1051	3	350
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		150
		<b>East-West:</b>		533
		<b>SUM:</b>		683
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.455
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.355</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**25**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue  
**Scenario:** Existing with Project  
**Count Date:**

**East-West Street:** Wilshire Boulevard  
**Analyst:**  
**Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	51	0	51
	↶↷ Left-Through		0	
	↷ Through	181	0	331
	↷↶ Through-Right		0	
	↷ Right	99	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	82	0	82
	↷↷ Left-Through		0	
	↷ Through	218	0	374
	↷↶ Through-Right		0	
	↷ Right	74	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	133	1	133
	↷↷ Left-Through		0	
	↷ Through	1237	2	427
	↷↶ Through-Right		1	
	↷ Right	43	0	43
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	39	1	39
	↶↷ Left-Through		0	
	↶ Through	957	2	322
	↶↶ Through-Right		1	
	↶ Right	8	0	8
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		425
		<b>East-West:</b>		466
		<b>SUM:</b>		891
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.594
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.494</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**26**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: Wilshire Boulevard**  
**Scenario: Existing with Project**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	46	1	46
	↶↷ Left-Through		0	
	↷ Through	478	1	478
	↷↶ Through-Right		0	
	↷ Right	170	1	128
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	65	1	65
	↷↶ Left-Through		0	
	↷ Through	420	0	450
	↷↶ Through-Right		1	
	↷ Right	30	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	71	1	71
	↷↶ Left-Through		0	
	↷ Through	1204	2	451
	↷↶ Through-Right		1	
	↷ Right	150	0	150
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	84	1	84
	↷↶ Left-Through		0	
	↷ Through	906	2	324
	↷↶ Through-Right		1	
	↷ Right	66	0	66
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		543
		<i>East-West:</i>		535
		<i>SUM:</i>		1078
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.719
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.619</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



### Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**27**

**PROJECT TITLE: AMPAS**

**North-South Street: Cochran Avenue**

**East-West Street: Wilshire Boulevard**

**Scenario: Existing with Project**

**Count Date:**

**Analyst:**

**Date:**

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	36	0	36
	↙ Left-Through		0	
	→ Through	183	0	261
	↘ Through-Right		0	
	→ Right	42	0	0
	↘ Left-Through-Right		1	
	↙ Left-Right		0	
<b>SOUTHBOUND</b>	↙ Left	51	0	51
	↙ Left-Through		0	
	→ Through	292	0	481
	↘ Through-Right		0	
	→ Right	138	0	0
	↘ Left-Through-Right		1	
	↙ Left-Right		0	
<b>EASTBOUND</b>	↙ Left	57	1	57
	↙ Left-Through		0	
	→ Through	1090	2	377
	↘ Through-Right		1	
	→ Right	42	0	42
	↘ Left-Through-Right		0	
	↙ Left-Right		0	
<b>WESTBOUND</b>	↙ Left	38	1	38
	↙ Left-Through		0	
	→ Through	994	2	375
	↘ Through-Right		1	
	→ Right	130	0	130
	↘ Left-Through-Right		0	
	↙ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		517
		<b>East-West:</b>		432
		<b>SUM:</b>		949
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.633
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.533</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**28**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	122	1	122
	↵↔ Left-Through		0	
	↔ Through	1340	2	472
	↔↘ Through-Right		1	
	↘ Right	77	0	77
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	119	1	119
	↵↔ Left-Through		0	
	↔ Through	1165	2	428
	↔↘ Through-Right		1	
	↘ Right	119	0	119
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	166	1	166
	↵↔ Left-Through		0	
	↔ Through	1035	2	375
	↔↘ Through-Right		1	
	↘ Right	89	0	89
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	224	1	224
	↵↔ Left-Through		0	
	↔ Through	818	2	313
	↔↘ Through-Right		1	
	↘ Right	120	0	120
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	591
			<b>East-West:</b>	599
			<b>SUM:</b>	1190
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.865
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.765</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**29**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 8th Street  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	798	1	430
	↷↶ Through-Right		1	
	↷ Right	61	0	61
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	263	1	263
	↷↶ Left-Through		0	
	↷ Through	956	2	478
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	2	0	2
	↷↶ Left-Through		0	
	↷ Through	121	0	124
	↷↶ Through-Right		0	
	↷ Right	1	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	121	1	70
	↷↶ Left-Through		0	
	↷ Through	0	0	0
	↷↶ Through-Right		0	
	↷ Right	90	1	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		1	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	693
			<i>East-West:</i>	194
			<i>SUM:</i>	887
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.622
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.522</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Existing with Project  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	50	0	50
	↶ Left-Through		1	
	↷ Through	559	0	394
	↷ Through-Right		1	
	↷ Right	29	0	394
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	86	0	86
	↷ Left-Through		1	
	↷ Through	723	1	448
	↷ Through-Right		0	
	↷ Right	0	0	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	139	1	139
	↶ Left-Through		0	
	↷ Through	999	2	373
	↷ Through-Right		1	
	↷ Right	120	0	120
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	27	1	27
	↶ Left-Through		0	
	↷ Through	657	2	266
	↷ Through-Right		1	
	↷ Right	140	0	140
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		498
		<i>East-West:</i>		405
		<i>SUM:</i>		903
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.602
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.502</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**31**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Carillo Drive/Crescent I **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 2	2
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	119	0	0
	↶↷ Left-Through		0	
	↷ Through	412	1	412
	↷↶ Through-Right		0	
	↷ Right	48	1	29
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	0	0	0
	↷↶ Left-Through		0	
	↷ Through	647	0	447
	↷↶ Through-Right		1	
	↷ Right	246	1	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	125	1	125
	↷↶ Left-Through		0	
	↷ Through	1870	2	628
	↷↶ Through-Right		1	
	↷ Right	14	0	14
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	38	1	38
	↷↶ Left-Through		0	
	↷ Through	1237	2	413
	↷↶ Through-Right		1	
	↷ Right	2	0	2
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		447
		<b>East-West:</b>		666
		<b>SUM:</b>		1113
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.742
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.642</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	647	2	324
	↷↶ Through-Right		0	
	↷ Right	2	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	115	1	115
	↷↶ Left-Through		0	
	↷ Through	1067	1	552
	↷↶ Through-Right		1	
	↷ Right	36	0	36
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	26	1	26
	↷↶ Left-Through		0	
	↷ Through	955	4	239
	↷↶ Through-Right		0	
	↷ Right	65	1	65
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↶ Through	674	2	283
	↶↶ Through-Right		1	
	↶ Right	176	0	176
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		552
		<b>East-West:</b>		309
		<b>SUM:</b>		861
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.604
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.504</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**33**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	24	1	24
	↶↷ Left-Through		0	
	↷ Through	533	1	289
	↷↶ Through-Right		1	
	↷ Right	45	0	45
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	2	0	0
	↷↶ Left-Through		0	
	↷ Through	861	1	548
	↷↶ Through-Right		1	
	↷ Right	234	0	234
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	96	1	96
	↶↷ Left-Through		0	
	↶ Through	1818	2	609
	↶↷ Through-Right		1	
	↶ Right	8	0	8
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	48	1	48
	↷↶ Left-Through		0	
	↷ Through	1090	3	363
	↷↶ Through-Right		0	
	↷ Right	12	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		572
		<i>East-West:</i>		657
		<i>SUM:</i>		1229
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.862
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.762</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>

## Level of Service Worksheet (Circular 212 Method)



I/S #: **34**

PROJECT TITLE: AMPAS  
 North-South Street: San Vicente Boulevard East-West Street: Olympic Boulevard  
 Scenario: Existing with Project  
 Count Date: Analyst: Date:

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	102	1	102
	Left-Through		0	
	Through	686	2	230
	Through-Right		1	
	Right	5	0	5
	Left-Through-Right		0	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	4	0	0
	Left-Through		0	
	Through	1230	4	308
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>EASTBOUND</b>	Left	0	0	0
	Left-Through		0	
	Through	1616	2	644
	Through-Right		1	
	Right	315	0	315
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	0	0	0
	Left-Through		0	
	Through	1070	2	446
	Through-Right		1	
	Right	268	0	268
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		410
		<i>East-West:</i>		644
		<b>SUM:</b>		1054
VOLUME/CAPACITY (V/C) RATIO:				0.740
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.640</b>
LEVEL OF SERVICE (LOS):				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**35**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: Olympic Boulevard**  
**Scenario: Existing with Project**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	6	0	6
	↶ Left-Through		0	
	↷ Through	79	0	142
	↷ Through-Right		0	
	↷ Right	57	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	109	0	109
	↷ Left-Through		0	
	↷ Through	275	0	455
	↷ Through-Right		0	
	↷ Right	71	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	51	1	51
	↷ Left-Through		0	
	↷ Through	1588	2	537
	↷ Through-Right		1	
	↷ Right	22	0	22
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	59	1	59
	↶ Left-Through		0	
	↶ Through	1215	2	417
	↶ Through-Right		1	
	↶ Right	37	0	37
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		461
		<i>East-West:</i>		596
		<i>SUM:</i>		1057
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.705
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.605</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**36**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: Olympic Boulevard**  
**Scenario: Existing with Project**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	31	1	31
	↶↷ Left-Through		0	
	↷ Through	511	0	599
	↷↶ Through-Right		1	
	↷ Right	88	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	107	1	107
	↷↶ Left-Through		0	
	↷ Through	592	0	667
	↷↶ Through-Right		1	
	↷ Right	75	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	87	1	87
	↷↶ Left-Through		0	
	↷ Through	1653	2	567
	↷↶ Through-Right		1	
	↷ Right	47	0	47
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	49	1	49
	↷↶ Left-Through		0	
	↷ Through	1197	2	441
	↷↶ Through-Right		1	
	↷ Right	125	0	125
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		706
		<b>East-West:</b>		616
		<b>SUM:</b>		1322
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.881
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.781</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**37**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue**  
**Scenario: Existing with Project**  
**Count Date:**

**East-West Street: Olympic Boulevard**  
**Analyst:**  
**Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<b>NB -- 0</b>	<b>SB -- 0</b>	0
		<b>EB -- 0</b>	<b>WB -- 0</b>	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	6	0	6
	Left-Through		0	
	Through	40	0	55
	Through-Right		0	
	Right	9	0	0
	Left-Through-Right		1	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	78	0	78
	Left-Through		0	
	Through	286	0	424
	Through-Right		0	
	Right	60	0	0
	Left-Through-Right		1	
	Left-Right		0	
<b>EASTBOUND</b>	Left	66	1	66
	Left-Through		0	
	Through	1666	2	565
	Through-Right		1	
	Right	30	0	30
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	60	1	60
	Left-Through		0	
	Through	1272	2	438
	Through-Right		1	
	Right	43	0	43
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	430
			<b>East-West:</b>	625
			<b>SUM:</b>	1055
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.703
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.603</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**38**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Pico Boulevard  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	136	1	136
	↶↷ Left-Through		0	
	↷ Through	590	2	295
	↷↶ Through-Right		0	
	↷ Right	138	1	98
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	75	1	75
	↷↷ Left-Through		0	
	↷ Through	679	2	340
	↷↶ Through-Right		0	
	↷ Right	29	1	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	71	1	71
	↷↷ Left-Through		0	
	↷ Through	1236	1	665
	↷↶ Through-Right		1	
	↷ Right	93	0	93
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	81	1	81
	↶↷ Left-Through		0	
	↶ Through	631	1	323
	↶↶ Through-Right		1	
	↶ Right	15	0	15
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	476
			<b>East-West:</b>	746
			<b>SUM:</b>	1222
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.858
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.758</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>

EXISTING WITH PROJECT CONDITIONS

**AMPAS Museum**

Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

**WEEKDAY PM PEAK HOUR**

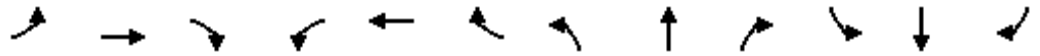
Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	118	0.000	N/S 1: 0.386 *
	Through	3.00	4,800	1,092	0.265	N/S 2: 0.383
	Left	1.00	1,600	137	0.090 *	E/W 1: 0.425 *
Westbound	Right	0.00	0	85	0.000	E/W 2: 0.332
	Through	3.00	4,800	974	0.232	V/C Ratio: 0.811
	Left	1.00	1,600	196	0.129 *	Loss Time: 0.100
Northbound	Right	0.00	0	146	0.000	ITS: 0.000
	Through	3.00	4,800	1,202	0.296 *	
	Left	1.00	1,600	180	0.118	
Eastbound	Right	0.00	0	162	0.000	ICU: 0.911
	Through	3.00	4,800	1,187	0.296 *	
	Left	1.00	1,600	152	0.100	LOS: E

\* Critical Movement

# HCM Signalized Intersection Capacity Analysis

## 43: Santa Monica Blvd & Fairfax Ave

5/11/2015



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	273	1092	74	169	762	101	117	893	233	74	733	107
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Frt	1.00	0.99		1.00	0.98		1.00	1.00	0.85	1.00	0.98	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2989		1509	2965		1509	3018	1350	1509	2960	
Flt Permitted	0.21	1.00		0.10	1.00		0.15	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	329	2989		154	2965		243	3018	1350	253	2960	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	287	1149	78	178	802	106	123	940	245	78	772	113
RTOR Reduction (vph)	0	5	0	0	10	0	0	0	90	0	11	0
Lane Group Flow (vph)	287	1222	0	178	898	0	123	940	155	78	874	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	53.3	46.3		53.3	46.3		34.1	27.1	27.1	30.6	25.6	
Effective Green, g (s)	51.3	46.3		51.3	46.3		32.1	27.2	27.2	29.6	25.7	
Actuated g/C Ratio	0.51	0.46		0.51	0.46		0.32	0.27	0.27	0.30	0.26	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	240	1384		160	1373		154	821	367	131	761	
v/s Ratio Prot	c0.07	0.41		0.07	0.30		c0.05	c0.31		0.03	0.30	
v/s Ratio Perm	c0.54			0.50			0.21		0.11	0.15		
v/c Ratio	1.20	0.88		1.11	0.65		0.80	1.14	0.42	0.60	1.15	
Uniform Delay, d1	22.5	24.4		20.2	20.7		27.8	36.4	29.9	28.5	37.1	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.65	0.59	
Incremental Delay, d2	121.4	8.5		104.5	2.4		33.8	79.4	3.5	4.3	80.4	
Delay (s)	143.9	32.9		124.7	23.1		61.6	115.8	33.5	22.9	102.3	
Level of Service	F	C		F	C		E	F	C	C	F	
Approach Delay (s)		53.9			39.8			95.3			95.8	
Approach LOS		D			D			F			F	

### Intersection Summary

HCM Average Control Delay	70.2	HCM Level of Service	E
HCM Volume to Capacity ratio	1.11		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	97.8%	ICU Level of Service	F
Analysis Period (min)	15		
c Critical Lane Group			



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**1**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Sunset Boulevard  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	151	1	151
	↵↔ Left-Through		0	
	↔ Through	520	2	260
	↔↵ Through-Right		0	
	↔ Right	272	1	42
	↔↔ Left-Through-Right		0	
	↔↔ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	70	1	70
	↵↔ Left-Through		0	
	↔ Through	569	2	285
	↔↵ Through-Right		0	
	↔ Right	211	1	129
	↔↔ Left-Through-Right		0	
	↔↔ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	165	1	165
	↵↔ Left-Through		0	
	↔ Through	1105	2	553
	↔↵ Through-Right		0	
	↔ Right	142	1	67
	↔↔ Left-Through-Right		0	
	↔↔ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	230	1	230
	↵↔ Left-Through		0	
	↔ Through	1038	2	519
	↔↵ Through-Right		0	
	↔ Right	45	1	10
	↔↔ Left-Through-Right		0	
	↔↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		436
		<b>East-West:</b>		783
		<b>SUM:</b>		1219
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.887
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.787</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**3**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Melrose Avenue  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	83	1	83
	↶↷ Left-Through		0	
	↷ Through	770	2	313
	↷↶ Through-Right		1	
	↷ Right	168	0	168
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	94	1	94
	↷↶ Left-Through		0	
	↷ Through	764	2	306
	↷↶ Through-Right		1	
	↷ Right	154	0	154
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	157	1	157
	↷↶ Left-Through		0	
	↷ Through	821	1	473
	↷↶ Through-Right		1	
	↷ Right	125	0	125
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	244	1	244
	↶↷ Left-Through		0	
	↶ Through	772	1	447
	↶↶ Through-Right		1	
	↶ Right	122	0	122
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		407
		<i>East-West:</i>		717
		<i>SUM:</i>		1124
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.789
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.689</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**4**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Beverly Boulevard  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 3	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	169	1	169
	↶↷ Left-Through		0	
	↷ Through	764	2	382
	↷↶ Through-Right		0	
	↷ Right	198	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	135	1	135
	↷↶ Left-Through		0	
	↷ Through	931	1	536
	↷↶ Through-Right		1	
	↷ Right	140	0	140
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	100	1	100
	↶↷ Left-Through		0	
	↷ Through	982	2	491
	↷↶ Through-Right		0	
	↷ Right	147	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	202	1	202
	↶↷ Left-Through		0	
	↷ Through	885	2	443
	↷↶ Through-Right		0	
	↷ Right	123	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		705
		<b>East-West:</b>		693
		<b>SUM:</b>		1398
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.017
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.917</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>E</b>





### Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**5**

**PROJECT TITLE: AMPAS**

**North-South Street: Crescent Heights Boul**      **East-West Street: 3rd Street**

**Scenario: Existing with Project**

**Count Date:**

**Analyst:**

**Date:**

MOVEMENT		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
<b>No. of Phases</b> Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity		NB -- 0 EB -- 0	SB -- 0 WB -- 0	2 0 0 0 2 0
DIRECTION	MOVEMENT	Volume	No. of Lanes	Lane Volume
NORTHBOUND	← Left	47	0	47
	↙ Left-Through		1	
	→ Through	512	0	559
	↘ Through-Right		0	
	→ Right	47	1	47
	↙ Left-Through-Right		0	
	↘ Left-Right		0	
SOUTHBOUND	← Left	53	0	53
	↙ Left-Through		1	
	→ Through	568	0	621
	↘ Through-Right		0	
	→ Right	83	1	83
	↙ Left-Through-Right		0	
	↘ Left-Right		0	
EASTBOUND	← Left	59	0	59
	↙ Left-Through		1	
	→ Through	899	0	615
	↘ Through-Right		1	
	→ Right	94	0	615
	↙ Left-Through-Right		0	
	↘ Left-Right		0	
WESTBOUND	← Left	59	0	59
	↙ Left-Through		1	
	→ Through	834	0	562
	↘ Through-Right		1	
	→ Right	54	0	562
	↙ Left-Through-Right		0	
	↘ Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i> 668 <i>East-West:</i> 674 <i>SUM:</i> 1342		
VOLUME/CAPACITY (V/C) RATIO:				0.895
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.795</b>
LEVEL OF SERVICE (LOS):				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**6**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 3rd Street  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	85	1	85
	↶↷ Left-Through		0	
	↷ Through	868	2	434
	↷↶ Through-Right		0	
	↷ Right	137	1	49
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	195	1	195
	↷↶ Left-Through		0	
	↷ Through	921	1	549
	↷↶ Through-Right		1	
	↷ Right	176	0	176
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	184	1	184
	↷↶ Left-Through		0	
	↷ Through	792	1	444
	↷↶ Through-Right		1	
	↷ Right	96	0	96
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	177	1	177
	↷↶ Left-Through		0	
	↷ Through	724	2	362
	↷↶ Through-Right		0	
	↷ Right	195	1	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		634
		<b>East-West:</b>		621
		<b>SUM:</b>		1255
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.913
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.813</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**7**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Martel Avenue/Hauser Blvd **East-West Street:** 3rd Street  
**Scenario:** Existing with Project  
**Count Date:** **Analyst:** **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	206	1	206
	↶ Left-Through		0	
	↷ Through	312	1	312
	↷ Through-Right		0	
	↷ Right	123	1	72
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	19	0	19
	↷ Left-Through		0	
	↷ Through	305	0	374
	↷ Through-Right		0	
	↷ Right	50	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	39	1	39
	↶ Left-Through		0	
	↷ Through	934	1	560
	↷ Through-Right		1	
	↷ Right	186	0	186
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	103	1	103
	↶ Left-Through		0	
	↷ Through	1050	1	539
	↷ Through-Right		1	
	↷ Right	28	0	28
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		580
		<i>East-West:</i>		663
		<b>SUM:</b>		1243
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.829
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.729</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #: **8**

PROJECT TITLE: AMPAS  
 North-South Street: Cochran Avenue/Alta V East-West Street: 3rd Street  
 Scenario: Existing with Project  
 Count Date: Analyst: Date:

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	79	0	79
	Left-Through		0	
	Through	151	0	306
	Through-Right		0	
	Right	76	0	0
	Left-Through-Right		1	
	Left-Right		0	
SOUTHBOUND	Left	15	0	15
	Left-Through		0	
	Through	101	0	146
	Through-Right		0	
	Right	30	0	0
	Left-Through-Right		1	
	Left-Right		0	
EASTBOUND	Left	21	1	21
	Left-Through		0	
	Through	997	1	512
	Through-Right		1	
	Right	26	0	26
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	58	1	58
	Left-Through		0	
	Through	1055	1	543
	Through-Right		1	
	Right	30	0	30
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		321
		<i>East-West:</i>		570
		<i>SUM:</i>		891
VOLUME/CAPACITY (V/C) RATIO:				0.594
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.494</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**9**

**PROJECT TITLE: AMPAS**  
**North-South Street: La Brea Avenue**      **East-West Street: 3rd Street**  
**Scenario: Existing with Project**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				4 0 0 0 2 0
		<i>NB</i> -- 0 <i>SB</i> -- 0 <i>EB</i> -- 0 <i>WB</i> -- 0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	157	1	157
	↵↔ Left-Through		0	
	→ Through	1013	1	552
	↵→ Through-Right		1	
	↘ Right	91	0	91
	↵↘ Left-Through-Right		0	
	↘↘ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	85	1	85
	↵↔ Left-Through		0	
	→ Through	1020	1	569
	↵→ Through-Right		1	
	↘ Right	118	0	118
	↵↘ Left-Through-Right		0	
	↘↘ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	120	1	120
	↵↔ Left-Through		0	
	→ Through	756	2	378
	↵→ Through-Right		0	
	↘ Right	157	1	79
	↵↘ Left-Through-Right		0	
	↘↘ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	118	1	118
	↵↔ Left-Through		0	
	→ Through	861	1	470
	↵→ Through-Right		1	
	↘ Right	78	0	78
	↵↘ Left-Through-Right		0	
	↘↘ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i> 726 <i>East-West:</i> 590 <b>SUM:</b> 1316	
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.957
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.857</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**10**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Colgate Avenue  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> -- 0	0
		<i>EB</i> -- 0	<i>WB</i> -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	22	1	22
	↶↷ Left-Through		0	
	↷ Through	1100	1	590
	↶↷↷ Through-Right		1	
	↷ Right	79	0	79
	↶↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	30	1	30
	↷↷ Left-Through		0	
	↷ Through	1134	1	577
	↷↷ Through-Right		1	
	↷ Right	19	0	19
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	11	0	11
	↷↷ Left-Through		0	
	↷ Through	31	0	66
	↷↷ Through-Right		0	
	↷ Right	24	0	0
	↷↷ Left-Through-Right		1	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	116	0	116
	↶↷ Left-Through		0	
	↶ Through	25	0	160
	↶↷ Through-Right		0	
	↶ Right	19	0	0
	↶↷ Left-Through-Right		1	
	↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		620
		<i>East-West:</i>		182
		<i>SUM:</i>		802
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.535
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.435</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



<b>I/S #:</b>	<b>PROJECT TITLE:</b> AMPAS	<b>East-West Street:</b> 6th Street
<b>12</b>	<b>North-South Street:</b> San Vicente Boulevard	
	<b>Scenario:</b> Existing with Project	
	<b>Count Date:</b>	<b>Analyst:</b>
		<b>Date:</b>

		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	3
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↤ Left	2	0	0
	↤↪ Left-Through		0	
	↪ Through	1026	2	361
	↪↤ Through-Right		1	
	↪ Right	56	0	56
	↪↪ Left-Through-Right		0	
	↪↪ Left-Right		0	
<b>SOUTHBOUND</b>	↪ Left	207	1	207
	↪↪ Left-Through		0	
	↪ Through	884	3	295
	↪↤ Through-Right		0	
	↪ Right	0	0	0
	↪↪ Left-Through-Right		0	
	↪↪ Left-Right		0	
<b>EASTBOUND</b>	↪ Left	0	0	0
	↪↪ Left-Through		0	
	↪ Through	0	0	0
	↪↤ Through-Right		0	
	↪ Right	0	0	0
	↪↪ Left-Through-Right		0	
	↪↪ Left-Right		0	
<b>WESTBOUND</b>	↪ Left	110	0	110
	↪↪ Left-Through		1	
	↪ Through	0	0	110
	↪↤ Through-Right		0	
	↪ Right	185	1	0
	↪↪ Left-Through-Right		0	
	↪↪ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		568
		<b>East-West:</b>		110
		<b>SUM:</b>		678
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.476
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.376</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #:  
12

PROJECT TITLE: AMPAS  
 North-South Street: Crescent Heights Boulevard East-West Street: 6th Street  
 Scenario: Existing with Project  
 Count Date: Analyst: Date:

		FRIDAY MIDDAY PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	13	0	13
	Left-Through		1	
	Through	680	0	401
	Through-Right		1	
	Right	69	0	401
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	51	0	51
	Left-Through		1	
	Through	655	0	446
	Through-Right		1	
	Right	33	0	446
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	37	0	37
	Left-Through		0	
	Through	261	0	326
	Through-Right		0	
	Right	28	0	0
	Left-Through-Right		1	
	Left-Right		0	
WESTBOUND	Left	64	0	64
	Left-Through		0	
	Through	245	0	359
	Through-Right		0	
	Right	50	0	0
	Left-Through-Right		1	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		459
		<b>East-West:</b>		396
		<b>SUM:</b>		855
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.570
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.470</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	19	1	19
	↶↷ Left-Through		0	
	↷ Through	952	2	476
	↷↶ Through-Right		0	
	↷ Right	199	1	199
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	151	1	151
	↷↶ Left-Through		0	
	↷ Through	1081	1	563
	↷↶ Through-Right		1	
	↷ Right	44	0	44
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	42	1	42
	↷↶ Left-Through		0	
	↷ Through	348	0	370
	↷↶ Through-Right		1	
	↷ Right	22	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	161	2	89
	↶↷ Left-Through		0	
	↶ Through	336	1	336
	↶↶ Through-Right		0	
	↶ Right	217	1	142
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		627
		<b>East-West:</b>		459
		<b>SUM:</b>		1086
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.762
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.662</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: 14

PROJECT TITLE: AMPAS  
North-South Street: Odgen Drive/Project Dv East-West Street: 6th Street  
Scenario: Existing with Project  
Count Date: Analyst: Date:

MOVEMENT		Volume	No. of Lanes	Lane Volume	FRIDAY MIDDAY PEAK HOUR	
No. of Phases					2	
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?					0	
Right Turns: FREE-1, NRTOR-2 or OLA-3?					0	
ATSAC-1 or ATSAC+ATCS-2?					2	
Override Capacity					0	
NB --		0			0	
EB --		0			0	
SB --					0	
WB --					0	
MOVEMENT		Volume	No. of Lanes	Lane Volume		
NORTHBOUND	Left	109	0	109		
	Left-Through		0			
	Through	0	0	0		
	Through-Right		0			
	Right	67	0	176		
	Left-Through-Right		0			
	Left-Right		1			
SOUTHBOUND	Left	8	0	8		
	Left-Through		0			
	Through	0	0	0		
	Through-Right		0			
	Right	12	0	20		
	Left-Through-Right		0			
	Left-Right		1			
EASTBOUND	Left	11	1	11		
	Left-Through		0			
	Through	545	1	348		
	Through-Right		1			
	Right	151	0	151		
	Left-Through-Right		0			
	Left-Right		0			
WESTBOUND	Left	75	1	75		
	Left-Through		0			
	Through	606	1	304		
	Through-Right		1			
	Right	2	0	2		
	Left-Through-Right		0			
	Left-Right		0			
CRITICAL VOLUMES			<b>North-South:</b>	184		
			<b>East-West:</b>	423		
			<b>SUM:</b>	607		
VOLUME/CAPACITY (V/C) RATIO:				0.405		
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.305</b>		
LEVEL OF SERVICE (LOS):				<b>A</b>		



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: 6th Street**  
**Scenario: Existing with Project**  
**Count Date:**                                      **Analyst:**                                      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0
		<i>NB --</i> 0	<i>SB --</i> 0	
		<i>EB --</i> 0	<i>WB --</i> 0	
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	90	1	90
	Left-Through		0	
	Through	48	0	185
	Through-Right		1	
	Right	137	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	34	1	34
	Left-Through		0	
	Through	46	0	79
	Through-Right		1	
	Right	33	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>EASTBOUND</b>	Left	36	1	36
	Left-Through		0	
	Through	527	1	292
	Through-Right		1	
	Right	57	0	57
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	77	1	77
	Left-Through		0	
	Through	569	1	309
	Through-Right		1	
	Right	48	0	48
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		219
		<i>East-West:</i>		369
		<i>SUM:</i>		588
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.392
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.292</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE: AMPAS**  
**North-South Street: Burnside Avenue**      **East-West Street: 6th Street**  
**Scenario: Existing with Project**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	11	0	11
	↶ Left-Through		0	
	↷ Through	47	0	89
	↷ Through-Right		0	
	↷ Right	31	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	57	0	57
	↷ Left-Through		1	
	↶ Through	41	0	98
	↶ Through-Right		0	
	↶ Right	12	1	12
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	13	0	13
	↷ Left-Through		1	
	↶ Through	673	0	375
	↶ Through-Right		1	
	↶ Right	25	0	375
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	23	0	23
	↶ Left-Through		1	
	↷ Through	558	0	354
	↷ Through-Right		1	
	↷ Right	57	0	354
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		146
		<b>East-West:</b>		398
		<b>SUM:</b>		544
VOLUME/CAPACITY (V/C) RATIO:				0.363
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.263</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**18**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	30	0	30
	↶↷ Left-Through		0	
	↷ Through	208	0	266
	↷↶ Through-Right		0	
	↷ Right	28	0	0
	↷↷ Left-Through-Right		1	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	5	0	5
	↷↷ Left-Through		0	
	↷ Through	131	0	182
	↷↶ Through-Right		0	
	↷ Right	46	0	0
	↷↷ Left-Through-Right		1	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	59	0	59
	↷↷ Left-Through		1	
	↷ Through	699	0	439
	↷↶ Through-Right		1	
	↷ Right	60	0	439
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	29	0	29
	↷↷ Left-Through		1	
	↷ Through	557	0	586
	↷↶ Through-Right		0	
	↷ Right	26	1	26
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		271
		<b>East-West:</b>		645
		<b>SUM:</b>		916
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.611		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.511</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>		

# Level of Service Worksheet (Circular 212 Method)



I/S #: 19

PROJECT TITLE: AMPAS  
 North-South Street: La Brea Avenue East-West Street: 6th Street  
 Scenario: Existing with Project  
 Count Date: Analyst: Date:

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	34	1	34
	Left-Through		0	
	Through	996	2	498
	Through-Right		0	
	Right	27	1	27
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	63	1	63
	Left-Through		0	
	Through	1134	2	402
	Through-Right		1	
	Right	73	0	73
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	90	0	90
	Left-Through		1	
	Through	545	0	407
	Through-Right		1	
	Right	89	0	407
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	28	0	28
	Left-Through		1	
	Through	464	0	492
	Through-Right		0	
	Right	77	1	46
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES			North-South:	561
			East-West:	582
			SUM:	1143
VOLUME/CAPACITY (V/C) RATIO:				0.762
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.662</b>
LEVEL OF SERVICE (LOS):				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**21**

**PROJECT TITLE: AMPAS**  
**North-South Street: San Vicente Boulevard**      **East-West Street: Wilshire Boulevard**  
**Scenario: Existing with Project**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
				4
No. of Phases				0
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	224	2	123
	↙ Left-Through		0	
	↑ Through	736	2	259
	↘ Through-Right		1	
	↘ Right	40	0	40
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
<b>SOUTHBOUND</b>	↙ Left	214	2	118
	↙ Left-Through		0	
	↓ Through	695	3	232
	↘ Through-Right		0	
	↘ Right	126	0	0
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
<b>EASTBOUND</b>	↙ Left	72	1	72
	↙ Left-Through		0	
	↓ Through	1002	2	403
	↘ Through-Right		1	
	↘ Right	206	0	206
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
<b>WESTBOUND</b>	↙ Left	29	1	29
	↙ Left-Through		0	
	↑ Through	931	2	377
	↘ Through-Right		1	
	↘ Right	199	0	199
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		377
		<i>East-West:</i>		449
		<i>SUM:</i>		826
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.601
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.501</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #: **22**

**PROJECT TITLE: AMPAS**  
**North-South Street: Crescent Heights Boulevard East-West Street: Wilshire Boulevard**  
**Scenario: Existing with Project**  
**Count Date: Analyst: Date:**

		FRIDAY MIDDAY PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	1	0	0
	Left-Through		0	
	Through	624	1	360
	Through-Right		1	
	Right	96	0	96
	Left-Through-Right		0	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	111	0	111
	Left-Through		1	
	Through	513	0	542
	Through-Right		1	
	Right	127	0	542
	Left-Through-Right		0	
	Left-Right		0	
<b>EASTBOUND</b>	Left	102	1	102
	Left-Through		0	
	Through	1057	2	381
	Through-Right		1	
	Right	86	0	86
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	73	1	73
	Left-Through		0	
	Through	1035	2	371
	Through-Right		1	
	Right	78	0	78
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	542
			<b>East-West:</b>	473
			<b>SUM:</b>	1015
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.677
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.577</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**23**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue  
**Scenario:** Existing with Project  
**Count Date:**

**East-West Street:** Wilshire Boulevard

**Analyst:**

**Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 3	3
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	142	1	142
	↶↷ Left-Through		0	
	↷ Through	791	1	446
	↷↶ Through-Right		1	
	↷ Right	101	0	101
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	170	1	170
	↷↶ Left-Through		0	
	↷ Through	870	2	435
	↷↶ Through-Right		0	
	↷ Right	192	1	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	206	1	206
	↷↶ Left-Through		0	
	↷ Through	908	2	340
	↷↶ Through-Right		1	
	↷ Right	113	0	113
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	82	1	82
	↶↷ Left-Through		0	
	↶ Through	837	2	337
	↶↷ Through-Right		1	
	↶ Right	174	0	174
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		616
		<b>East-West:</b>		543
		<b>SUM:</b>		1159
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.843
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.743</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: 24

PROJECT TITLE: AMPAS  
 North-South Street: Spaulding Avenue      East-West Street: Wilshire Boulevard  
 Scenario: Existing with Project  
 Count Date:      Analyst:      Date:

MOVEMENT		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0
		NB -- 0	SB -- 0	
		EB -- 0	WB -- 0	
NORTHBOUND	Left	57	0	57
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	69	0	126
	Left-Through-Right		0	
	Left-Right		1	
SOUTHBOUND	Left	0	0	0
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	0	0	0
	Left-Through		0	
	Through	1086	2	543
	Through-Right		0	
	Right	85	1	85
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	71	1	71
	Left-Through		0	
	Through	1047	2	524
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		North-South:		126
		East-West:		614
		SUM:		740
VOLUME/CAPACITY (V/C) RATIO:				0.493
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.393
LEVEL OF SERVICE (LOS):				A



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**25**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue  
**Scenario:** Existing with Project  
**Count Date:**

**East-West Street:** Wilshire Boulevard

**Analyst:** **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	43	0	43
	↶↷ Left-Through		0	
	↷ Through	105	0	234
	↷↶ Through-Right		0	
	↷ Right	86	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	52	0	52
	↷↶ Left-Through		0	
	↷ Through	86	0	218
	↷↶ Through-Right		0	
	↷ Right	80	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	71	1	71
	↷↶ Left-Through		0	
	↷ Through	1011	2	506
	↷↶ Through-Right		0	
	↷ Right	22	1	22
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	23	1	23
	↷↶ Left-Through		0	
	↷ Through	1013	2	507
	↷↶ Through-Right		0	
	↷ Right	31	1	31
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		286
		<i>East-West:</i>		578
		<i>SUM:</i>		864
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.576
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.476</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



**Level of Service Worksheet  
(Circular 212 Method)**



**I/S #:**  
**26**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: Wilshire Boulevard**  
**Scenario: Existing with Project**  
**Count Date:**      **Analyst:**      **Date:**

		<b>FRIDAY MIDDAY PEAK HOUR</b>		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0 <i>SB --</i>		0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0 <i>WB --</i>		0
Override Capacity				2
				0
<b>MOVEMENT</b>		<b>Volume</b>	<b>No. of Lanes</b>	<b>Lane Volume</b>
<b>NORTHBOUND</b>	Left	78	1	78
	Left-Through		0	
	Through	369	1	369
	Through-Right		0	
	Right	110	1	83
	Left-Through-Right		0	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	57	1	57
	Left-Through		0	
	Through	331	0	393
	Through-Right		1	
	Right	62	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>EASTBOUND</b>	Left	77	1	77
	Left-Through		0	
	Through	1020	2	510
	Through-Right		0	
	Right	64	1	25
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	55	1	55
	Left-Through		0	
	Through	1010	2	505
	Through-Right		0	
	Right	76	1	48
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	471
			<i>East-West:</i>	582
			<i>SUM:</i>	1053
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.702
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.602</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**27**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project  
**Count Date:**                                      **Analyst:**                                      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	50	0	50
	↵↘ Left-Through		0	
	→ Through	203	0	294
	→↘ Through-Right		0	
	↘ Right	41	0	0
	↘↗ Left-Through-Right		1	
	↗↗ Left-Right		0	
<b>SOUTHBOUND</b>	↘ Left	30	0	30
	↘↗ Left-Through		0	
	← Through	128	0	258
	←↗ Through-Right		0	
	↗ Right	100	0	0
	↗↘ Left-Through-Right		1	
	↘↘ Left-Right		0	
<b>EASTBOUND</b>	↘ Left	50	1	50
	↘↗ Left-Through		0	
	→ Through	1119	2	560
	→↘ Through-Right		0	
	↘ Right	30	1	30
	↘↗ Left-Through-Right		0	
	↘↘ Left-Right		0	
<b>WESTBOUND</b>	↘ Left	21	1	21
	↘↗ Left-Through		0	
	← Through	1053	2	527
	←↗ Through-Right		0	
	↘ Right	52	1	52
	↘↗ Left-Through-Right		0	
	↘↘ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		324
		<i>East-West:</i>		581
		<i>SUM:</i>		905
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.603
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.503</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**28**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue  
**Scenario:** Existing with Project  
**Count Date:**

**East-West Street:** Wilshire Boulevard

**Analyst:**

**Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	90	1	90
	↶↷ Left-Through		0	
	↷ Through	818	2	293
	↷↶ Through-Right		1	
	↷ Right	60	0	60
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	105	1	105
	↷↷ Left-Through		0	
	↷ Through	999	2	396
	↷↶ Through-Right		1	
	↷ Right	189	0	189
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	174	1	174
	↶↷ Left-Through		0	
	↷ Through	850	2	425
	↷↶ Through-Right		0	
	↷ Right	119	1	74
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	160	1	160
	↶↷ Left-Through		0	
	↷ Through	941	2	471
	↷↶ Through-Right		0	
	↷ Right	135	1	83
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		486
		<i>East-West:</i>		645
		<i>SUM:</i>		1131
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.823
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.723</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**29**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 8th Street  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	922	1	484
	↷↶ Through-Right		1	
	↷ Right	45	0	45
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	112	1	112
	↷↶ Left-Through		0	
	↷ Through	1043	2	522
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	3	0	3
	↷↶ Left-Through		0	
	↷ Through	24	0	31
	↷↶ Through-Right		0	
	↷ Right	4	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	80	1	65
	↷↶ Left-Through		0	
	↷ Through	0	0	0
	↷↶ Through-Right		0	
	↷ Right	114	1	9
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		1	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	596
			<i>East-West:</i>	96
			<i>SUM:</i>	692
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.486
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.386</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Existing with Project  
**Count Date:** **Analyst:** **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	106	0	106
	↶↷ Left-Through		1	
	↷ Through	513	0	374
	↷↶ Through-Right		1	
	↷ Right	23	0	374
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	82	0	82
	↷↶ Left-Through		1	
	↷ Through	496	1	330
	↷↶ Through-Right		0	
	↷ Right	64	0	64
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	42	1	42
	↷↶ Left-Through		0	
	↷ Through	651	2	225
	↷↶ Through-Right		1	
	↷ Right	25	0	25
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	41	1	41
	↷↶ Left-Through		0	
	↷ Through	794	2	289
	↷↶ Through-Right		1	
	↷ Right	74	0	74
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		456
		<i>East-West:</i>		331
		<i>SUM:</i>		787
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.525
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.425</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
31

**PROJECT TITLE:** AMPAS  
**North-South Street:** Carillo Drive/Crescent I **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project  
**Count Date:** **Analyst:** **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 2	2
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	0	0	0
	↙ Left-Through		0	
	↘ Through	487	1	487
	↘ Through-Right		0	
	↘ Right	54	1	35
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
<b>SOUTHBOUND</b>	↙ Left	0	0	0
	↙ Left-Through		0	
	↘ Through	371	0	278
	↘ Through-Right		1	
	↘ Right	185	1	0
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
<b>EASTBOUND</b>	↙ Left	157	1	157
	↙ Left-Through		0	
	↘ Through	1060	2	530
	↘ Through-Right		0	
	↘ Right	38	1	38
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
<b>WESTBOUND</b>	↙ Left	39	1	39
	↙ Left-Through		0	
	↘ Through	983	2	492
	↘ Through-Right		0	
	↘ Right	14	1	14
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		487
		<b>East-West:</b>		649
		<b>SUM:</b>		1136
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.757
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.657</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	1	0	0
	↶ Left-Through		0	
	↷ Through	762	2	381
	↷ Through-Right		0	
	↷ Right	1	0	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	108	1	108
	↷ Left-Through		0	
	↷ Through	938	1	495
	↷ Through-Right		1	
	↷ Right	51	0	51
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	37	1	37
	↶ Left-Through		0	
	↷ Through	666	4	167
	↷ Through-Right		0	
	↷ Right	92	1	92
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	1	0	0
	↶ Left-Through		0	
	↷ Through	887	2	363
	↷ Through-Right		1	
	↷ Right	202	0	202
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		495
		<b>East-West:</b>		400
		<b>SUM:</b>		895
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.628
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.528</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**33**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue  
**Scenario:** Existing with Project  
**Count Date:**

**East-West Street:** Olympic Boulevard  
**Analyst:**  
**Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	37	1	37
	↵↔ Left-Through		0	
	↔ Through	633	1	333
	↔↗ Through-Right		1	
	↗ Right	33	0	33
	↗↔ Left-Through-Right		0	
	↗↘ Left-Right		0	
<b>SOUTHBOUND</b>	↘ Left	3	0	0
	↘↔ Left-Through		0	
	↔ Through	823	1	519
	↔↖ Through-Right		1	
	↖ Right	215	0	215
	↖↔ Left-Through-Right		0	
	↖↗ Left-Right		0	
<b>EASTBOUND</b>	↘ Left	109	1	109
	↘↔ Left-Through		0	
	↔ Through	1071	2	367
	↔↗ Through-Right		1	
	↗ Right	30	0	30
	↗↔ Left-Through-Right		0	
	↗↘ Left-Right		0	
<b>WESTBOUND</b>	↘ Left	69	1	69
	↘↔ Left-Through		0	
	↔ Through	882	3	294
	↔↖ Through-Right		0	
	↖ Right	19	0	0
	↖↔ Left-Through-Right		0	
	↖↗ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		556
		<b>East-West:</b>		436
		<b>SUM:</b>		992
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.696
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.596</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**34**

**PROJECT TITLE:** AMPAS

**North-South Street:** San Vicente Boulevard

**East-West Street:** Olympic Boulevard

**Scenario:** Existing with Project

**Count Date:**

**Analyst:**

**Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<b>NB --</b> 0	<b>SB --</b> 0	0
ATSAC-1 or ATSAC+ATCS-2?		<b>EB --</b> 0	<b>WB --</b> 0	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	148	1	148
	↵↗ Left-Through		0	
	→ Through	850	2	286
	→↘ Through-Right		1	
	↘ Right	9	0	9
	↘↗ Left-Through-Right		0	
	↘↙ Left-Right		0	
<b>SOUTHBOUND</b>	↙ Left	3	0	0
	↙↗ Left-Through		0	
	→ Through	788	4	197
	→↘ Through-Right		0	
	↘ Right	0	0	0
	↘↗ Left-Through-Right		0	
	↘↙ Left-Right		0	
<b>EASTBOUND</b>	↙ Left	2	0	0
	↙↗ Left-Through		0	
	→ Through	943	2	365
	→↘ Through-Right		1	
	↘ Right	153	0	153
	↘↗ Left-Through-Right		0	
	↘↙ Left-Right		0	
<b>WESTBOUND</b>	↙ Left	0	0	0
	↙↗ Left-Through		0	
	→ Through	838	2	361
	→↘ Through-Right		1	
	↘ Right	246	0	246
	↘↗ Left-Through-Right		0	
	↘↙ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	345
			<b>East-West:</b>	365
			<b>SUM:</b>	710
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.498
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.398</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



# Level of Service Workheet (Circular 212 Method)



**I/S #:**  
**35**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: Olympic Boulevard**  
**Scenario: Existing with Project**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
				2
No. of Phases				0
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	5	0	5
	↶ Left-Through		0	
	↷ Through	79	0	112
	↷ Through-Right		0	
	↷ Right	28	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	31	0	31
	↷ Left-Through		0	
	↷ Through	62	0	125
	↷ Through-Right		0	
	↷ Right	32	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	42	1	42
	↶ Left-Through		0	
	↷ Through	1045	2	523
	↷ Through-Right		0	
	↷ Right	22	1	22
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	19	1	19
	↶ Left-Through		0	
	↷ Through	1011	2	506
	↷ Through-Right		0	
	↷ Right	28	1	28
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		143
		<b>East-West:</b>		548
		<b>SUM:</b>		691
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.461
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.361</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**36**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: Olympic Boulevard**  
**Scenario: Existing with Project**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
				2
No. of Phases				0
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	26	1	26
	↶↷ Left-Through		0	
	↷ Through	397	0	445
	↷↶ Through-Right		1	
	↷ Right	48	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	49	1	49
	↷↶ Left-Through		0	
	↷ Through	333	0	415
	↷↶ Through-Right		1	
	↷ Right	82	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	118	1	118
	↷↶ Left-Through		0	
	↷ Through	947	2	474
	↷↶ Through-Right		0	
	↷ Right	27	1	14
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	43	1	43
	↷↶ Left-Through		0	
	↷ Through	929	2	465
	↷↶ Through-Right		0	
	↷ Right	69	1	45
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		494
		<i>East-West:</i>		583
		<i>SUM:</i>		1077
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.718
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.618</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**37**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue**      **East-West Street: Olympic Boulevard**  
**Scenario: Existing with Project**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	22	0	22
	Left-Through		0	
	Through	116	0	200
	Through-Right		0	
	Right	62	0	0
	Left-Through-Right		1	
	Left-Right		0	
SOUTHBOUND	Left	22	0	22
	Left-Through		0	
	Through	78	0	128
	Through-Right		0	
	Right	28	0	0
	Left-Through-Right		1	
	Left-Right		0	
EASTBOUND	Left	29	1	29
	Left-Through		0	
	Through	834	2	417
	Through-Right		0	
	Right	6	1	6
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	35	1	35
	Left-Through		0	
	Through	1005	2	503
	Through-Right		0	
	Right	41	1	41
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES			North-South:	222
			East-West:	532
			SUM:	754
VOLUME/CAPACITY (V/C) RATIO:				0.503
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.403</b>
LEVEL OF SERVICE (LOS):				<b>A</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**38**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Pico Boulevard  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	143	1	143
	Left-Through		0	
	Through	643	2	322
	Through-Right		0	
	Right	130	1	82
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	73	1	73
	Left-Through		0	
	Through	737	2	369
	Through-Right		0	
	Right	63	1	34
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	58	1	58
	Left-Through		0	
	Through	775	1	434
	Through-Right		1	
	Right	93	0	93
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	97	1	97
	Left-Through		0	
	Through	669	1	352
	Through-Right		1	
	Right	35	0	35
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		North-South:		512
		East-West:		531
		SUM:		1043
VOLUME/CAPACITY (V/C) RATIO:				0.732
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.632</b>
LEVEL OF SERVICE (LOS):				<b>B</b>

## EXISTING WITH PROJECT CONDITIONS

**AMPAS Museum**

## Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

**FRIDAY MIDDAY PEAK HOUR**

Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	152	0.000	N/S 1: 0.317
	Through	3.00	4,800	924	0.236 *	N/S 2: 0.349 *
	Left	1.00	1,600	85	0.056	E/W 1: 0.395 *
Westbound	Right	0.00	0	96	0.000	E/W 2: 0.385
	Through	3.00	4,800	1,033	0.248	V/C Ratio: 0.744
	Left	1.00	1,600	192	0.126 *	Loss Time: 0.100
Northbound	Right	0.00	0	159	0.000	ITS: 0.000
	Through	3.00	4,800	1,033	0.261	ICU: 0.844
	Left	1.00	1,600	171	0.113 *	LOS: D
Eastbound	Right	0.00	0	197	0.000	
	Through	3.00	4,800	1,031	0.269 *	
	Left	1.00	1,600	208	0.137	

\* Critical Movement

# HCM Signalized Intersection Capacity Analysis

## 43: Santa Monica Blvd & Fairfax Ave

5/11/2015



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↕		↖	↕		↖	↕	↗	↖	↕	
Volume (vph)	131	620	87	265	645	115	118	774	175	91	743	80
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Frt	1.00	0.98		1.00	0.98		1.00	1.00	0.85	1.00	0.99	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2962		1509	2949		1509	3018	1350	1509	2974	
Flt Permitted	0.26	1.00		0.28	1.00		0.15	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	411	2962		439	2949		245	3018	1350	253	2974	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	138	653	92	279	679	121	124	815	184	96	782	84
RTOR Reduction (vph)	0	11	0	0	14	0	0	0	79	0	8	0
Lane Group Flow (vph)	138	734	0	279	786	0	124	815	105	96	858	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	52.8	46.3		53.8	46.8		33.9	26.9	26.9	30.8	25.6	
Effective Green, g (s)	50.8	46.3		51.8	46.8		31.9	27.0	27.0	29.8	25.7	
Actuated g/C Ratio	0.51	0.46		0.52	0.47		0.32	0.27	0.27	0.30	0.26	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	269	1371		292	1380		154	815	365	134	764	
v/s Ratio Prot	0.03	0.25		c0.06	0.27		c0.05	0.27		0.03	c0.29	
v/s Ratio Perm	0.23			c0.44			0.21		0.08	0.18		
v/c Ratio	0.51	0.54		0.96	0.57		0.81	1.00	0.29	0.72	1.12	
Uniform Delay, d1	14.2	19.2		21.9	19.3		28.1	36.5	28.9	28.3	37.1	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.70	0.59	
Incremental Delay, d2	0.7	1.5		40.1	1.7		34.6	31.5	2.0	12.8	70.5	
Delay (s)	14.9	20.7		62.0	21.0		62.8	68.0	30.9	32.7	92.4	
Level of Service	B	C		E	C		E	E	C	C	F	
Approach Delay (s)		19.8			31.6			61.4			86.4	
Approach LOS		B			C			E			F	

### Intersection Summary

HCM Average Control Delay	50.3	HCM Level of Service	D
HCM Volume to Capacity ratio	0.95		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	88.6%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**1**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Sunset Boulevard  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	116	1	116
	↵↔ Left-Through		0	
	↔ Through	943	2	472
	↔↘ Through-Right		0	
	↘ Right	232	1	15
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	68	1	68
	↵↔ Left-Through		0	
	↔ Through	499	2	250
	↔↘ Through-Right		0	
	↘ Right	172	1	45
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	254	1	254
	↵↔ Left-Through		0	
	↔ Through	1251	2	451
	↔↘ Through-Right		1	
	↘ Right	102	0	102
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	217	1	217
	↵↔ Left-Through		0	
	↔ Through	923	2	330
	↔↘ Through-Right		1	
	↘ Right	66	0	66
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		540
		<b>East-West:</b>		668
		<b>SUM:</b>		1208
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.879
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.779</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**3**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Melrose Avenue  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	98	1	98
	↶↷ Left-Through		0	
	↷ Through	1059	2	414
	↷↶ Through-Right		1	
	↷ Right	182	0	182
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	94	1	94
	↷↷ Left-Through		0	
	↷ Through	685	2	271
	↷↶ Through-Right		1	
	↷ Right	127	0	127
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	155	1	155
	↷↷ Left-Through		0	
	↷ Through	1063	1	592
	↷↶ Through-Right		1	
	↷ Right	121	0	121
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	193	1	193
	↶↷ Left-Through		0	
	↶ Through	711	1	412
	↶↶ Through-Right		1	
	↶ Right	112	0	112
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		508
		<i>East-West:</i>		785
		<i>SUM:</i>		1293
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.907
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.807</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**4**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Beverly Boulevard  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 3	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	135	1	135
	↶↷ Left-Through		0	
	↷ Through	915	2	458
	↷↶ Through-Right		0	
	↷ Right	200	1	12
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	129	1	129
	↷↶ Left-Through		0	
	↷ Through	916	1	516
	↷↶ Through-Right		1	
	↷ Right	115	0	115
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	101	1	101
	↶↷ Left-Through		0	
	↷ Through	978	2	489
	↷↶ Through-Right		0	
	↷ Right	90	1	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	188	1	188
	↶↷ Left-Through		0	
	↷ Through	944	2	472
	↷↶ Through-Right		0	
	↷ Right	164	1	35
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		651
		<b>East-West:</b>		677
		<b>SUM:</b>		1328
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.966
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.866</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**5**

**PROJECT TITLE: AMPAS**  
**North-South Street: Crescent Heights Boulevard**     **East-West Street: 3rd Street**  
**Scenario: Existing with Project**  
**Count Date:**     **Analyst:**     **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
<b>No. of Phases</b> Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0
		<b>NB --</b> 0	<b>SB --</b> 0	0
		<b>EB --</b> 0	<b>WB --</b> 0	0
	MOVEMENT	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	2	0	0
	Left-Through		0	
	Through	895	1	466
	Through-Right		1	
	Right	37	0	37
	Left-Through-Right		0	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	9	0	0
	Left-Through		0	
	Through	654	1	654
	Through-Right		0	
	Right	61	1	61
	Left-Through-Right		0	
	Left-Right		0	
<b>EASTBOUND</b>	Left	8	0	0
	Left-Through		0	
	Through	1043	1	559
	Through-Right		1	
	Right	74	0	74
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	6	0	0
	Left-Through		0	
	Through	726	1	397
	Through-Right		1	
	Right	67	0	67
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		654
		<b>East-West:</b>		559
		<b>SUM:</b>		1213
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.809
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.709</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**6**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 3rd Street  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	76	1	76
	↶↷ Left-Through		0	
	↷ Through	827	2	414
	↷↶ Through-Right		0	
	↷ Right	104	1	26
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	182	1	182
	↷↶ Left-Through		0	
	↷ Through	920	1	538
	↷↶ Through-Right		1	
	↷ Right	155	0	155
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	196	1	196
	↷↶ Left-Through		0	
	↷ Through	930	1	497
	↷↶ Through-Right		1	
	↷ Right	64	0	64
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	156	1	156
	↶↷ Left-Through		0	
	↶ Through	662	2	331
	↶↷ Through-Right		0	
	↶ Right	221	1	39
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		614
		<b>East-West:</b>		653
		<b>SUM:</b>		1267
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.921
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.821</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>





# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**7**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Martel Avenue/Hauser Blvd **East-West Street:** 3rd Street  
**Scenario:** Existing with Project  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	189	1	189
	↶↷ Left-Through		0	
	↷ Through	337	1	337
	↷↶ Through-Right		0	
	↷ Right	123	1	74
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	20	0	20
	↷↶ Left-Through		0	
	↷ Through	333	0	388
	↷↶ Through-Right		0	
	↷ Right	35	0	0
	↷↶↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	27	1	27
	↶↷ Left-Through		0	
	↷ Through	1054	1	633
	↷↶ Through-Right		1	
	↷ Right	212	0	212
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	98	1	98
	↶↷ Left-Through		0	
	↷ Through	1054	1	552
	↷↶ Through-Right		1	
	↷ Right	49	0	49
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	577
			<b>East-West:</b>	731
			<b>SUM:</b>	1308
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.872
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.772</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**9**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue      **East-West Street:** 3rd Street  
**Scenario:** Existing with Project  
**Count Date:**                                      **Analyst:**                                      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	177	1	177
	↶↷ Left-Through		0	
	↷ Through	1439	2	515
	↷↶ Through-Right		1	
	↷ Right	107	0	107
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	94	1	94
	↷↶ Left-Through		0	
	↷ Through	1225	2	437
	↷↶ Through-Right		1	
	↷ Right	87	0	87
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	98	1	98
	↷↶ Left-Through		0	
	↷ Through	1017	2	509
	↷↶ Through-Right		0	
	↷ Right	146	1	58
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	130	1	130
	↷↶ Left-Through		0	
	↷ Through	902	1	495
	↷↶ Through-Right		1	
	↷ Right	87	0	87
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		614
		<b>East-West:</b>		639
		<b>SUM:</b>		1253
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.911
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.811</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**10**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue  
**Scenario:** Existing with Project  
**Count Date:**

**East-West Street:** Colgate Avenue  
**Analyst:**  
**Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 0	0
		<i>EB --</i> 0	<i>WB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	17	1	17
	↶ Left-Through		0	
	↷ Through	1103	1	603
	↷ Through-Right		1	
	↷ Right	102	0	102
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	59	1	59
	↷ Left-Through		0	
	↷ Through	1116	1	565
	↷ Through-Right		1	
	↷ Right	13	0	13
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	15	0	15
	↶ Left-Through		0	
	↷ Through	114	0	156
	↷ Through-Right		0	
	↷ Right	27	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	110	0	110
	↶ Left-Through		0	
	↷ Through	30	0	161
	↷ Through-Right		0	
	↷ Right	21	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	662
			<b>East-West:</b>	266
			<b>SUM:</b>	928
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.619
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.519</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



Level of Service Worksheet  
(Circular 212 Method)



I/S #: 12

PROJECT TITLE: AMPAS  
 North-South Street: San Vicente Boulevard East-West Street: 6th Street  
 Scenario: Existing with Project  
 Count Date: Analyst: Date:

MOVEMENT		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? <span style="float: right;">3</span> Right Turns: FREE-1, NRTOR-2 or OLA-3? <span style="float: right;">0</span> AT SAC-1 or AT SAC+ATCS-2? <span style="float: right;">0</span> Override Capacity <span style="float: right;">3</span> <span style="float: right;">2</span> <span style="float: right;">0</span>		NB -- 0	SB -- 0	
		EB -- 0	WB -- 3	
NORTHBOUND	Left	3	0	0
	Left-Through		0	
	Through	1037	2	367
	Through-Right		1	
	Right	65	0	65
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	455	1	455
	Left-Through		0	
	Through	1243	3	414
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	0	0	0
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	87	0	87
	Left-Through		1	
	Through	0	0	87
	Through-Right		0	
	Right	221	1	0
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		North-South: 822 East-West: 87 SUM: 909		
VOLUME/CAPACITY (V/C) RATIO:				0.638
V/C LESS AT SAC/ATCS ADJUSTMENT:				0.538
LEVEL OF SERVICE (LOS):				A





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	22	1	22
	↶↷ Left-Through		0	
	↷ Through	906	2	453
	↷↶ Through-Right		0	
	↷ Right	313	1	313
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	170	1	170
	↷↶ Left-Through		0	
	↷ Through	1097	1	572
	↷↶ Through-Right		1	
	↷ Right	46	0	46
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	28	1	28
	↶↷ Left-Through		0	
	↶ Through	453	0	462
	↶↶ Through-Right		1	
	↶ Right	9	0	0
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	236	2	130
	↷↶ Left-Through		0	
	↷ Through	400	1	400
	↷↶ Through-Right		0	
	↷ Right	242	1	157
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		623
		<b>East-West:</b>		592
		<b>SUM:</b>		1215
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.853
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.753</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>

# Level of Service Worksheet (Circular 212 Method)



I/S #: **14**

PROJECT TITLE: **AMPAS**  
 North-South Street: **Odgen Drive/Project Dv** East-West Street: **6th Street**  
 Scenario: **Existing with Project**  
 Count Date: \_\_\_\_\_ Analyst: \_\_\_\_\_ Date: \_\_\_\_\_

		FRIDAY PM PEAK HOUR		
		No. of Phases		2
		Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0
		Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB -- 0 SB -- 0	0
		ATSAC-1 or ATSAC+ATCS-2?	EB -- 0 WB -- 0	0
		Override Capacity		2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	163	0	163
	↵ Left-Through		0	
	↠ Through	0	0	0
	↠ Through-Right		0	
	↠ Right	127	0	290
	↠ Left-Through-Right		0	
			1	
<b>SOUTHBOUND</b>	↵ Left	9	0	9
	↵ Left-Through		0	
	↠ Through	1	0	0
	↠ Through-Right		0	
	↠ Right	16	0	25
	↠ Left-Through-Right		0	
	↠ Left-Right		1	
<b>EASTBOUND</b>	↵ Left	18	1	18
	↵ Left-Through		0	
	↠ Through	872	1	465
	↠ Through-Right		1	
	↠ Right	57	0	57
	↠ Left-Through-Right		0	
			0	
<b>WESTBOUND</b>	↵ Left	23	1	23
	↵ Left-Through		0	
	↠ Through	702	1	355
	↠ Through-Right		1	
	↠ Right	7	0	7
	↠ Left-Through-Right		0	
			0	
CRITICAL VOLUMES		<b>North-South:</b>		299
		<b>East-West:</b>		488
		<b>SUM:</b>		787
VOLUME/CAPACITY (V/C) RATIO:				0.525
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.425</b>
LEVEL OF SERVICE (LOS):				<b>A</b>





### Level of Service Worksheet (Circular 212 Method)



I/S #: **15**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	113	1	113
	↶↷ Left-Through		0	
	↷ Through	113	0	342
	↶↷↷ Through-Right		1	
	↷ Right	229	0	0
	↶↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	36	1	36
	↷↷ Left-Through		0	
	↷ Through	60	0	92
	↷↷ Through-Right		1	
	↷ Right	32	0	0
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	64	1	64
	↷↷ Left-Through		0	
	↷ Through	899	1	474
	↷↷ Through-Right		1	
	↷ Right	49	0	49
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	81	1	81
	↷↷ Left-Through		0	
	↷ Through	585	1	329
	↷↷ Through-Right		1	
	↷ Right	73	0	73
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	378
			<b>East-West:</b>	555
			<b>SUM:</b>	933
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.622
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.522</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: 16

PROJECT TITLE: AMPAS

North-South Street: Hauser Boulevard

East-West Street: 6th Street

Scenario: Existing with Project

Count Date:

Analyst:

Date:





























		FRIDAY PM PEAK HOUR		
				2
No. of Phases				0
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> --	0
		<i>EB</i> -- 0	<i>WB</i> --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	49	1	49
	↶↷ Left-Through		0	
	↷ Through	495	0	526
	↶↷ Through-Right		1	
	↷ Right	31	0	0
	↶↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	41	1	41
	↷↷ Left-Through		0	
	↷ Through	364	1	364
	↷↷ Through-Right		0	
	↷ Right	64	1	64
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	22	0	0
	↶↷ Left-Through		0	
	↷ Through	1212	1	650
	↶↷ Through-Right		1	
	↷ Right	88	0	88
	↶↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	3	0	0
	↶↷ Left-Through		0	
	↷ Through	627	1	345
	↶↷ Through-Right		1	
	↷ Right	62	0	62
	↶↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		567
		<i>East-West:</i>		650
		<i>SUM:</i>		1217
VOLUME/CAPACITY (V/C) RATIO:				0.811
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.711</b>
LEVEL OF SERVICE (LOS):				<b>C</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE: AMPAS**  
**North-South Street: Burnside Avenue**      **East-West Street: 6th Street**  
**Scenario: Existing with Project**  
**Count Date:**                                      **Analyst:**                                      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSC-1 or ATSC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	 Left	19	0	19
	 Left-Through		0	
	 Through	80	0	155
	 Through-Right		0	
	 Right	56	0	0
	 Left-Through-Right		1	
	 Left-Right		0	
SOUTHBOUND	 Left	51	0	51
	 Left-Through		1	
	 Through	44	0	95
	 Through-Right		0	
	 Right	14	1	14
	 Left-Through-Right		0	
	 Left-Right		0	
EASTBOUND	 Left	83	0	83
	 Left-Through		1	
	 Through	1203	0	778
	 Through-Right		1	
	 Right	21	0	778
	 Left-Through-Right		0	
	 Left-Right		0	
WESTBOUND	 Left	31	0	31
	 Left-Through		1	
	 Through	656	0	481
	 Through-Right		1	
	 Right	120	0	481
	 Left-Through-Right		0	
	 Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		206
		<b>East-West:</b>		809
		<b>SUM:</b>		1015
VOLUME/CAPACITY (V/C) RATIO:				0.677
V/C LESS ATSC/ATCS ADJUSTMENT:				0.577
LEVEL OF SERVICE (LOS):				A



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**18**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project  
**Count Date:**                                      **Analyst:**                                      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	24	0	24
	↶ Left-Through		0	
	↷ Through	251	0	326
	↷ Through-Right		0	
	↷ Right	51	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↶ Left	15	0	15
	↶ Left-Through		0	
	↷ Through	129	0	191
	↷ Through-Right		0	
	↷ Right	47	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	147	0	147
	↶ Left-Through		1	
	↷ Through	1165	0	901
	↷ Through-Right		1	
	↷ Right	49	0	901
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	26	0	26
	↶ Left-Through		1	
	↷ Through	697	0	440
	↷ Through-Right		1	
	↷ Right	27	0	440
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		341
		<i>East-West:</i>		927
		<i>SUM:</i>		1268
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.845
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.745</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**19**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project  
**Count Date:**                                      **Analyst:**                                      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	66	1	66
	↶ Left-Through		0	
	↷ Through	1511	2	520
	↷ Through-Right		1	
	↷ Right	49	0	49
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	73	1	73
	↷ Left-Through		0	
	↶ Through	1372	2	478
	↶ Through-Right		1	
	↶ Right	62	0	62
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	7	0	0
	↶ Left-Through		0	
	↷ Through	1086	1	576
	↷ Through-Right		1	
	↷ Right	65	0	65
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	3	0	0
	↶ Left-Through		0	
	↷ Through	599	1	341
	↷ Through-Right		1	
	↷ Right	83	0	83
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		593
		<b>East-West:</b>		576
		<b>SUM:</b>		1169
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.779		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.679</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>B</b>		

## Level of Service Worksheet (Circular 212 Method)



I/S #: **21**

PROJECT TITLE: **AMPAS**  
 North-South Street: **San Vicente Boulevard**      East-West Street: **Wilshire Boulevard**  
 Scenario: **Existing with Project**  
 Count Date: \_\_\_\_\_      Analyst: \_\_\_\_\_      Date: \_\_\_\_\_

		FRIDAY PM PEAK HOUR		
		No. of Phases	4	
		Opposed Ø'ing: N/S-1, E/W-2 or Both-3?	0	
		Right Turns: FREE-1, NRTOR-2 or OLA-3?	0	
		ATSAC-1 or ATSAC+ATCS-2?	2	
		Override Capacity	0	
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	312	2	172
	↶↷ Left-Through		0	
	↷ Through	747	2	259
	↷↶ Through-Right		1	
	↷ Right	29	0	29
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	287	2	158
	↷↶ Left-Through		0	
	↷ Through	1023	3	341
	↷↶ Through-Right		0	
	↷ Right	129	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	63	1	63
	↶↷ Left-Through		0	
	↶ Through	1304	2	511
	↶↷ Through-Right		1	
	↶ Right	230	0	230
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	39	1	39
	↷↶ Left-Through		0	
	↷ Through	951	2	395
	↷↶ Through-Right		1	
	↷ Right	235	0	235
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		513
		<i>East-West:</i>		550
		<i>SUM:</i>		1063
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.773
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.673</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**23**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	3
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	115	1	115
	↶↷ Left-Through		0	
	↷ Through	775	1	424
	↷↶ Through-Right		1	
	↷ Right	72	0	72
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	164	1	164
	↷↶ Left-Through		0	
	↷ Through	962	2	481
	↷↶ Through-Right		0	
	↷ Right	211	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	275	1	275
	↷↶ Left-Through		0	
	↷ Through	1426	2	520
	↷↶ Through-Right		1	
	↷ Right	133	0	133
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	87	1	87
	↶↷ Left-Through		0	
	↶ Through	832	2	330
	↶↷ Through-Right		1	
	↶ Right	159	0	159
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		596
		<i>East-West:</i>		607
		<i>SUM:</i>		1203
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.875
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.775</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
24

**PROJECT TITLE:** AMPAS  
**North-South Street:** Spaulding Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>FRIDAY PM PEAK HOUR</b>				
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	72	0	72
	↙↔ Left-Through		0	
	↔ Through	0	0	0
	↔→ Through-Right		0	
	↘ Right	89	0	161
	↙↔→ Left-Through-Right		0	
	↙↔↔ Left-Right		1	
<b>SOUTHBOUND</b>	↘ Left	0	0	0
	↘↔ Left-Through		0	
	↔ Through	0	0	0
	↔→ Through-Right		0	
	↘ Right	0	0	0
	↘↔→ Left-Through-Right		0	
	↘↔↔ Left-Right		0	
<b>EASTBOUND</b>	↙ Left	0	0	0
	↙↔ Left-Through		0	
	↔ Through	1614	2	554
	↔→ Through-Right		1	
	↘ Right	49	0	49
	↙↔→ Left-Through-Right		0	
	↙↔↔ Left-Right		0	
<b>WESTBOUND</b>	↙ Left	39	1	39
	↙↔ Left-Through		0	
	↔ Through	1041	3	347
	↔→ Through-Right		0	
	↘ Right	0	0	0
	↙↔→ Left-Through-Right		0	
	↙↔↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		161
		<i>East-West:</i>		593
		<i>SUM:</i>		754
VOLUME/CAPACITY (V/C) RATIO:				0.503
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.403</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**25**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue  
**Scenario:** Existing with Project  
**Count Date:**

**East-West Street:** Wilshire Boulevard

**Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	49	0	49
	↶↷ Left-Through		0	
	↷ Through	182	0	342
	↷↶ Through-Right		0	
	↷ Right	111	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	64	0	64
	↷↷ Left-Through		0	
	↷ Through	184	0	335
	↷↶ Through-Right		0	
	↷ Right	87	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	131	1	131
	↷↷ Left-Through		0	
	↷ Through	1579	2	540
	↷↶ Through-Right		1	
	↷ Right	42	0	42
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	32	1	32
	↷↷ Left-Through		0	
	↷ Through	915	2	306
	↷↶ Through-Right		1	
	↷ Right	4	0	4
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		406
		<i>East-West:</i>		572
		<i>SUM:</i>		978
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.652
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.552</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**26**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Hauser Boulevard      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<b>NB --</b> 0	<b>SB --</b>	0
		<b>EB --</b> 0	<b>WB --</b>	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	48	1	48
	↙↔ Left-Through		0	
	↔ Through	409	1	409
	↔↘ Through-Right		0	
	↘ Right	131	1	101
	↙↘ Left-Through-Right		0	
	↘↙ Left-Right		0	
<b>SOUTHBOUND</b>	↘ Left	56	1	56
	↘↔ Left-Through		0	
	↔ Through	353	0	396
	↔↘ Through-Right		1	
	↘ Right	43	0	0
	↘↔ Left-Through-Right		0	
	↘↙ Left-Right		0	
<b>EASTBOUND</b>	↙ Left	113	1	113
	↙↔ Left-Through		0	
	↔ Through	1561	2	561
	↔↘ Through-Right		1	
	↘ Right	121	0	121
	↙↘ Left-Through-Right		0	
	↘↙ Left-Right		0	
<b>WESTBOUND</b>	↘ Left	60	1	60
	↘↔ Left-Through		0	
	↔ Through	891	2	320
	↔↘ Through-Right		1	
	↘ Right	70	0	70
	↘↔ Left-Through-Right		0	
	↘↙ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	465
			<b>East-West:</b>	621
			<b>SUM:</b>	1086
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.724
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.624</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**28**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue  
**Scenario:** Existing with Project  
**Count Date:**

**East-West Street:** Wilshire Boulevard

**Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	123	1	123
	↶↷ Left-Through		0	
	↷ Through	1273	2	466
	↷↶ Through-Right		1	
	↷ Right	126	0	126
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	96	1	96
	↷↷ Left-Through		0	
	↷ Through	1220	2	454
	↷↶ Through-Right		1	
	↷ Right	143	0	143
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	193	1	193
	↷↷ Left-Through		0	
	↷ Through	1170	2	430
	↷↶ Through-Right		1	
	↷ Right	121	0	121
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	211	1	211
	↶↷ Left-Through		0	
	↶ Through	902	2	350
	↶↶ Through-Right		1	
	↶ Right	149	0	149
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		577
		<b>East-West:</b>		641
		<b>SUM:</b>		1218
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.886
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.786</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**29**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 8th Street  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	797	1	430
	↷↶ Through-Right		1	
	↷ Right	62	0	62
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	314	1	314
	↷↶ Left-Through		0	
	↷ Through	944	2	472
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	1	0	1
	↶↷ Left-Through		0	
	↶ Through	133	0	138
	↶↶ Through-Right		0	
	↶ Right	4	0	0
	↶↷ Left-Through-Right		1	
	↶↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	92	1	64
	↷↶ Left-Through		0	
	↷ Through	1	0	0
	↷↶ Through-Right		0	
	↷ Right	100	1	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		1	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		744
		<b>East-West:</b>		202
		<b>SUM:</b>		946
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.664		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.564</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Existing with Project  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	73	0	73
	↶↷ Left-Through		1	
	↷ Through	576	0	449
	↷↶ Through-Right		1	
	↷ Right	30	0	449
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	89	0	89
	↷↶ Left-Through		1	
	↷ Through	672	1	514
	↷↶ Through-Right		0	
	↷ Right	54	0	54
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	129	1	129
	↷↶ Left-Through		0	
	↷ Through	939	2	350
	↷↶ Through-Right		1	
	↷ Right	111	0	111
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	27	1	27
	↷↶ Left-Through		0	
	↷ Through	777	2	300
	↷↶ Through-Right		1	
	↷ Right	122	0	122
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		587
		<b>East-West:</b>		429
		<b>SUM:</b>		1016
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.677
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.577</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**31**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Carillo Drive/Crescent I **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	2
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	3	0	0
	↶ Left-Through		0	
	↷ Through	447	1	447
	↷ Through-Right		0	
	↷ Right	52	1	21
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	2	0	0
	↷ Left-Through		0	
	↷ Through	611	0	413
	↷ Through-Right		1	
	↷ Right	214	1	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	112	1	112
	↶ Left-Through		0	
	↷ Through	1888	2	636
	↷ Through-Right		1	
	↷ Right	19	0	19
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	62	1	62
	↶ Left-Through		0	
	↷ Through	1031	2	349
	↷ Through-Right		1	
	↷ Right	15	0	15
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		447
		<b>East-West:</b>		698
		<b>SUM:</b>		1145
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.763
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.663</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	667	2	334
	↷↶ Through-Right		0	
	↷ Right	4	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	91	1	91
	↷↶ Left-Through		0	
	↷ Through	938	1	488
	↷↶ Through-Right		1	
	↷ Right	37	0	37
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	19	1	19
	↶↷ Left-Through		0	
	↶ Through	976	4	244
	↶↷ Through-Right		0	
	↶ Right	76	1	76
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	0	0	0
	↷↶ Left-Through		0	
	↷ Through	913	2	365
	↷↶ Through-Right		1	
	↷ Right	183	0	183
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		488
		<b>East-West:</b>		384
		<b>SUM:</b>		872
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.612
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.512</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**33**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	31	1	31
	↵↔ Left-Through		0	
	↔ Through	558	1	304
	↔↗ Through-Right		1	
	↗ Right	50	0	50
	↗↔ Left-Through-Right		0	
	↗↖ Left-Right		0	
<b>SOUTHBOUND</b>	↖ Left	0	0	0
	↖↔ Left-Through		0	
	↔ Through	810	1	513
	↔↗ Through-Right		1	
	↗ Right	215	0	215
	↗↔ Left-Through-Right		0	
	↗↖ Left-Right		0	
<b>EASTBOUND</b>	↖ Left	97	1	97
	↖↔ Left-Through		0	
	↔ Through	1819	2	612
	↔↗ Through-Right		1	
	↗ Right	18	0	18
	↗↔ Left-Through-Right		0	
	↗↖ Left-Right		0	
<b>WESTBOUND</b>	↖ Left	62	1	62
	↖↔ Left-Through		0	
	↔ Through	994	3	331
	↔↗ Through-Right		0	
	↗ Right	16	0	0
	↗↔ Left-Through-Right		0	
	↗↖ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		544
		<b>East-West:</b>		674
		<b>SUM:</b>		1218
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.855
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.755</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**34**

**PROJECT TITLE:** AMPAS  
**North-South Street:** San Vicente Boulevard    **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project  
**Count Date:**    **Analyst:**    **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	132	1	132
	↶↷ Left-Through		0	
	↷ Through	849	2	285
	↶↷↷ Through-Right		1	
	↷ Right	5	0	5
	↷↶ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	4	0	0
	↷↶ Left-Through		0	
	↷ Through	1083	4	271
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↶ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	0	0	0
	↷↶ Left-Through		0	
	↷ Through	1597	2	629
	↷↶ Through-Right		1	
	↷ Right	291	0	291
	↷↶ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	0	0	0
	↷↶ Left-Through		0	
	↷ Through	1000	2	414
	↷↶ Through-Right		1	
	↷ Right	243	0	243
	↷↶ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		403
		<b>East-West:</b>		629
		<b>SUM:</b>		1032
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.724
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.624</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**35**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue  
**Scenario:** Existing with Project  
**Count Date:**

**East-West Street:** Olympic Boulevard  
**Analyst:**  
**Date:**

		FRIDAY PM PEAK HOUR		
		No. of Phases		2
		Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0
		Right Turns: FREE-1, NRTOR-2 or OLA-3?		0
		ATSAC-1 or ATSAC+ATCS-2?		2
		Override Capacity		0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↶	6	0	6
	↶→		0	
	→	109	0	186
	→↷		0	
	↷	71	0	0
	↶↷		1	
	↷↶		0	
SOUTHBOUND	↷	109	0	109
	↷→		0	
	→	250	0	421
	→↷		0	
	↷	62	0	0
	↷↶		1	
	↶↷		0	
EASTBOUND	↶	44	1	44
	↶→		0	
	→	1748	2	588
	→↷		1	
	↷	17	0	17
	↶↷		0	
	↷↶		0	
WESTBOUND	↶	50	1	50
	↶→		0	
	→	1153	2	393
	→↷		1	
	↷	27	0	27
	↶↷		0	
	↷↶		0	
CRITICAL VOLUMES		<i>North-South:</i>		427
		<i>East-West:</i>		638
		<b>SUM:</b>		1065
VOLUME/CAPACITY (V/C) RATIO:				0.710
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.610</b>
LEVEL OF SERVICE (LOS):				<b>B</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**36**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: Olympic Boulevard**  
**Scenario: Existing with Project**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0
	<i>NB --</i> 0 <i>SB --</i>			0
	<i>EB --</i> 0 <i>WB --</i>			0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	24	1	24
	↶↷ Left-Through		0	
	→ Through	480	0	552
	↷ Through-Right		1	
	↷ Right	72	0	0
	↷↶ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	84	1	84
	↷↶ Left-Through		0	
	→ Through	509	0	552
	↷ Through-Right		1	
	↷ Right	43	0	0
	↷↶ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	82	1	82
	↶↷ Left-Through		0	
	→ Through	1852	2	630
	↷ Through-Right		1	
	↷ Right	38	0	38
	↷↶ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	66	1	66
	↶↷ Left-Through		0	
	→ Through	1114	2	390
	↷ Through-Right		1	
	↷ Right	55	0	55
	↷↶ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>				<b>North-South:</b> 636 <b>East-West:</b> 696 <b>SUM:</b> 1332
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.888
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.788</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**37**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue**      **East-West Street: Olympic Boulevard**  
**Scenario: Existing with Project**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	21	0	21
	↶↷ Left-Through		0	
	↷ Through	159	0	251
	↷↶ Through-Right		0	
	↷ Right	71	0	0
	↷↶↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	55	0	55
	↷↶ Left-Through		0	
	↷ Through	169	0	247
	↷↶ Through-Right		0	
	↷ Right	23	0	0
	↷↶↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	29	1	29
	↷↶ Left-Through		0	
	↷ Through	1778	2	599
	↷↶ Through-Right		1	
	↷ Right	20	0	20
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	60	1	60
	↷↶ Left-Through		0	
	↷ Through	1125	2	387
	↷↶ Through-Right		1	
	↷ Right	35	0	35
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	306
			<b>East-West:</b>	659
			<b>SUM:</b>	965
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.643
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.543</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**38**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Pico Boulevard  
**Scenario:** Existing with Project  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	150	1	150
	↶↷ Left-Through		0	
	↷ Through	565	2	283
	↷↶ Through-Right		0	
	↷ Right	152	1	117
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	68	1	68
	↷↶ Left-Through		0	
	↷ Through	681	2	341
	↷↶ Through-Right		0	
	↷ Right	39	1	11
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	57	1	57
	↷↶ Left-Through		0	
	↷ Through	1294	1	690
	↷↶ Through-Right		1	
	↷ Right	86	0	86
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	70	1	70
	↶↷ Left-Through		0	
	↶ Through	699	1	367
	↶↶ Through-Right		1	
	↶ Right	35	0	35
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		491
		<i>East-West:</i>		760
		<i>SUM:</i>		1251
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.878
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.778</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>

## EXISTING WITH PROJECT CONDITIONS

**AMPAS Museum**

## Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

**FRIDAY PM PEAK HOUR**

Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	137	0.000	N/S 1: 0.364 *
	Through	3.00	4,800	1,019	0.254	N/S 2: 0.347
	Left	1.00	1,600	162	0.107 *	E/W 1: 0.445 *
Westbound	Right	0.00	0	90	0.000	E/W 2: 0.380
	Through	3.00	4,800	1,172	0.277	V/C Ratio: 0.809
	Left	1.00	1,600	213	0.140 *	Loss Time: 0.100
Northbound	Right	0.00	0	182	0.000	ITS: 0.000
	Through	3.00	4,800	990	0.257 *	
	Left	1.00	1,600	141	0.093	
Eastbound	Right	0.00	0	125	0.000	ICU: 0.909
	Through	3.00	4,800	1,268	0.305 *	
	Left	1.00	1,600	156	0.103	LOS: E

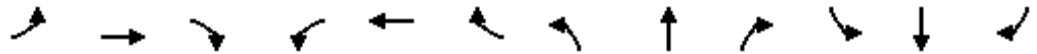
\* Critical Movement



# HCM Signalized Intersection Capacity Analysis

## 43: Santa Monica Blvd & Fairfax Ave

5/11/2015



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗		↖	↗		↖	↗	↗	↖	↗	
Volume (vph)	243	983	84	185	665	121	90	832	227	96	690	92
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Frt	1.00	0.99		1.00	0.98		1.00	1.00	0.85	1.00	0.98	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2982		1509	2948		1509	3018	1350	1509	2964	
Flt Permitted	0.24	1.00		0.13	1.00		0.17	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	389	2982		211	2948		263	3018	1350	260	2964	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	256	1035	88	195	700	127	95	876	239	101	726	97
RTOR Reduction (vph)	0	6	0	0	15	0	0	0	97	0	11	0
Lane Group Flow (vph)	256	1117	0	195	812	0	95	876	142	101	813	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	54.0	47.0		54.0	47.0		32.2	25.2	25.2	31.1	24.9	
Effective Green, g (s)	52.0	47.0		52.0	47.0		30.2	25.3	25.3	30.1	25.0	
Actuated g/C Ratio	0.52	0.47		0.52	0.47		0.30	0.25	0.25	0.30	0.25	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	269	1402		188	1386		154	764	342	149	741	
v/s Ratio Prot	0.06	0.37		c0.06	0.28		0.04	c0.29		c0.04	0.27	
v/s Ratio Perm	0.44			c0.48			0.15		0.11	0.16		
v/c Ratio	0.95	0.80		1.04	0.59		0.62	1.15	0.41	0.68	1.10	
Uniform Delay, d1	21.2	22.4		20.2	19.4		28.1	37.4	31.2	28.4	37.5	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.70	0.59	
Incremental Delay, d2	41.3	4.8		75.8	1.8		17.1	81.0	3.7	8.4	61.1	
Delay (s)	62.6	27.2		95.9	21.2		45.3	118.3	34.9	28.2	83.1	
Level of Service	E	C		F	C		D	F	C	C	F	
Approach Delay (s)		33.8			35.5			96.1			77.1	
Approach LOS		C			D			F			E	

### Intersection Summary

HCM Average Control Delay	59.6	HCM Level of Service	E
HCM Volume to Capacity ratio	0.99		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	93.6%	ICU Level of Service	F
Analysis Period (min)	15		
c Critical Lane Group			



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**1**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: Sunset Boulevard**  
**Scenario: Existing with Project with Mitigation Conditions**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				4			4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 3	<i>SB --</i> 0	0	<i>NB --</i> 3	<i>SB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	140	1	140	145	1	145
	Left-Through		0			0	
	Through	497	2	249	518	2	259
	Through-Right		0			0	
	Right	243	1	23	233	1	0
	Left-Through-Right		0			0	
<b>SOUTHBOUND</b>	Left	71	1	71	72	1	72
	Left-Through		0			0	
	Through	527	2	264	594	2	297
	Through-Right		0			0	
	Right	199	1	119	182	1	101
	Left-Through-Right		0			0	
<b>EASTBOUND</b>	Left	160	1	160	162	1	162
	Left-Through		0			0	
	Through	1011	2	506	1031	2	516
	Through-Right		0			0	
	Right	167	1	97	161	1	89
	Left-Through-Right		0			0	
<b>WESTBOUND</b>	Left	220	1	220	237	1	237
	Left-Through		0			0	
	Through	1042	2	521	955	2	478
	Through-Right		0			0	
	Right	66	1	31	44	1	8
	Left-Through-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 404			<i>North-South:</i> 442
				<i>East-West:</i> 726			<i>East-West:</i> 753
				<i>SUM:</i> 1130			<i>SUM:</i> 1195
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.822			0.869
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.722</b>			<b>0.769</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>			<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**3**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Melrose Avenue  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				3 0 0 0 2 0			3 0 0 0 2 0
		<i>NB</i> -- 0	<i>SB</i> -- 0		<i>NB</i> -- 0	<i>SB</i> -- 0	
		<i>EB</i> -- 0	<i>WB</i> -- 0		<i>EB</i> -- 0	<i>WB</i> -- 0	
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	102	1	102	75	1	75
	↵↔ Left-Through		0			0	
	↔ Through	730	2	308	723	2	291
	↔↘ Through-Right		1			1	
	↘ Right	195	0	195	151	0	151
	↵↔↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	104	1	104	105	1	105
	↵↔ Left-Through		0			0	
	↔ Through	855	2	339	922	2	358
	↔↘ Through-Right		1			1	
	↘ Right	161	0	161	151	0	151
	↵↔↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	127	1	127	152	1	152
	↵↔ Left-Through		0			0	
	↔ Through	719	1	437	763	1	464
	↔↘ Through-Right		1			1	
	↘ Right	155	0	155	165	0	165
	↵↔↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	209	1	209	241	1	241
	↵↔ Left-Through		0			0	
	↔ Through	701	1	405	712	1	415
	↔↘ Through-Right		1			1	
	↘ Right	108	0	108	118	0	118
	↵↔↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 441 <i>East-West:</i> 646 <i>SUM:</i> 1087			<i>North-South:</i> 433 <i>East-West:</i> 705 <i>SUM:</i> 1138
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.763			0.799
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.663</b>			<b>0.699</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>			<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**4**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Beverly Boulevard  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
				4			4
No. of Phases				4			4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 3	<i>SB --</i> 0	0	<i>NB --</i> 3	<i>SB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 3	<i>WB --</i> 3	3	<i>EB --</i> 3	<i>WB --</i> 3	3
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	101	1	101	119	1	119
	↵↔ Left-Through		0			0	
	↔ Through	744	2	372	710	2	355
	↔↗ Through-Right		0			0	
	↗ Right	249	1	40	206	1	5
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	163	1	163	156	1	156
	↵↔ Left-Through		0			0	
	↔ Through	969	1	553	1015	1	594
	↔↗ Through-Right		1			1	
	↗ Right	137	0	137	173	0	173
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	92	1	92	111	1	111
	↵↔ Left-Through		0			0	
	↔ Through	946	2	473	925	2	463
	↔↗ Through-Right		0			0	
	↗ Right	139	1	38	154	1	35
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	209	1	209	201	1	201
	↵↔ Left-Through		0			0	
	↔ Through	1060	2	530	927	2	464
	↔↗ Through-Right		0			0	
	↗ Right	116	1	0	163	1	7
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 654 <i>East-West:</i> 682 <i>SUM:</i> 1336			<i>North-South:</i> 713 <i>East-West:</i> 664 <i>SUM:</i> 1377
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.972			1.001
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				0.872			0.901
<b>LEVEL OF SERVICE (LOS):</b>				D			E



<b>I/S #:</b>	<b>PROJECT TITLE:</b> AMPAS	<b>North-South Street:</b> Crescent Heights Boul	<b>East-West Street:</b> 3rd Street
<b>5</b>		<b>Scenario:</b> Existing with Project with Mitigation Conditions	
	<b>Count Date:</b>	<b>Analyst:</b>	<b>Date:</b>

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
Override Capacity		2			2		
		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	41	0	41	54	0	54
	↵↗ Left-Through		1			1	
	↔ Through	487	0	528	525	0	579
	↘↗ Through-Right		0			0	
	↘ Right	26	1	26	42	1	42
	↘↗ Left-Through-Right		0			0	
	↘↗ Left-Right		0			0	
<b>SOUTHBOUND</b>	↵ Left	49	0	49	69	0	69
	↵↗ Left-Through		1			1	
	↔ Through	513	0	562	471	0	540
	↘↗ Through-Right		0			0	
	↘ Right	83	1	83	111	1	111
	↘↗ Left-Through-Right		0			0	
	↘↗ Left-Right		0			0	
<b>EASTBOUND</b>	↵ Left	65	0	65	64	0	64
	↵↗ Left-Through		1			1	
	↔ Through	849	0	584	849	0	598
	↘↗ Through-Right		1			1	
	↘ Right	59	0	584	91	0	598
	↘↗ Left-Through-Right		0			0	
	↘↗ Left-Right		0			0	
<b>WESTBOUND</b>	↵ Left	57	0	57	54	0	54
	↵↗ Left-Through		1			1	
	↔ Through	763	0	521	770	0	520
	↘↗ Through-Right		1			1	
	↘ Right	50	0	521	53	0	520
	↘↗ Left-Through-Right		0			0	
	↘↗ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	603	<i>North-South:</i>		648
			<i>East-West:</i>	641	<i>East-West:</i>		652
			<i>SUM:</i>	1244	<i>SUM:</i>		1300
VOLUME/CAPACITY (V/C) RATIO:				0.829			0.867
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.729			0.767
LEVEL OF SERVICE (LOS):				C			C



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**6**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 3rd Street  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>No. of Phases</b> Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				4 0 0 3 2 0			4 0 0 3 2 0
	<i>NB --</i> 0 <i>SB --</i> 0 <i>EB --</i> 0 <i>WB --</i> 3				<i>NB --</i> 0 <i>SB --</i> 0 <i>EB --</i> 0 <i>WB --</i> 3		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	79	1	79	81	1	81
	↵↔ Left-Through		0			0	
	↔ Through	768	2	384	737	2	369
	↔↘ Through-Right		0			0	
	↘ Right	92	1	0	139	1	39
	↘↔ Left-Through-Right		0			0	
↘↔↘ Left-Right		0	0		0		
<b>SOUTHBOUND</b>	↵ Left	186	1	186	205	1	205
	↵↔ Left-Through		0			0	
	↔ Through	892	1	528	895	1	551
	↔↘ Through-Right		1			1	
	↘ Right	164	0	164	206	0	206
	↘↔ Left-Through-Right		0			0	
↘↔↘ Left-Right		0	0		0		
<b>EASTBOUND</b>	↵ Left	178	1	178	212	1	212
	↵↔ Left-Through		0			0	
	↔ Through	836	1	458	734	1	415
	↔↘ Through-Right		1			1	
	↘ Right	79	0	79	95	0	95
	↘↔ Left-Through-Right		0			0	
↘↔↘ Left-Right		0	0		0		
<b>WESTBOUND</b>	↵ Left	189	1	189	200	1	200
	↵↔ Left-Through		0			0	
	↔ Through	662	2	331	682	2	341
	↔↘ Through-Right		0			0	
	↘ Right	168	1	0	290	1	85
	↘↔ Left-Through-Right		0			0	
↘↔↘ Left-Right		0	0		0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 607 <i>East-West:</i> 647 <b>SUM:</b> 1254	<i>North-South:</i> 632 <i>East-West:</i> 615 <b>SUM:</b> 1247		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.912			0.907
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.812</b>			<b>0.807</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>			<b>D</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**7**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Martel Avenue/Hauser Blvd **East-West Street:** 3rd Street  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>No. of Phases</b> Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0			2 0 0 0 2 0
		<i>NB --</i> 0	<i>SB --</i> 0		<i>NB --</i> 0	<i>SB --</i> 0	
		<i>EB --</i> 0	<i>WB --</i> 0		<i>EB --</i> 0	<i>WB --</i> 0	
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	177	1	177	209	1	209
	Left-Through		0			0	
	Through	243	1	243	206	1	206
	Through-Right		0			0	
	Right	100	1	62	117	1	70
	Left-Through-Right		0			0	
<b>SOUTHBOUND</b>	Left	19	0	19	13	0	13
	Left-Through		0			0	
	Through	240	0	301	166	0	217
	Through-Right		0			0	
	Right	42	0	0	38	0	0
	Left-Through-Right		1			1	
<b>EASTBOUND</b>	Left	31	1	31	35	1	35
	Left-Through		0			0	
	Through	980	1	582	966	1	581
	Through-Right		1			1	
	Right	184	0	184	195	0	195
	Left-Through-Right		0			0	
<b>WESTBOUND</b>	Left	76	1	76	94	1	94
	Left-Through		0			0	
	Through	972	1	499	1227	1	627
	Through-Right		1			1	
	Right	25	0	25	26	0	26
	Left-Through-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 478 <i>East-West:</i> 658 <i>SUM:</i> 1136			<i>North-South:</i> 426 <i>East-West:</i> 675 <i>SUM:</i> 1101
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.757			0.734
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.657</b>			<b>0.634</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>			<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**8**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue/Alta V     **East-West Street:** 3rd Street  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:**     **Analyst:**     **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
<b>No. of Phases</b> Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2			2
				0			0
		<b>NB --</b>	<b>SB --</b>	0	<b>NB --</b>	<b>SB --</b>	0
		<b>EB --</b>	<b>WB --</b>	0	<b>EB --</b>	<b>WB --</b>	0
				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	16	0	16	103	0	103
	Left-Through		0			0	
	Through	82	0	118	79	0	227
	Through-Right		0			0	
	Right	20	0	0	45	0	0
	Left-Through-Right			1		1	
	Left-Right		0			0	
<b>SOUTHBOUND</b>	Left	57	0	57	10	0	10
	Left-Through		0			0	
	Through	110	0	206	45	0	65
	Through-Right		0			0	
	Right	39	0	0	10	0	0
	Left-Through-Right			1		1	
	Left-Right		0			0	
<b>EASTBOUND</b>	Left	45	1	45	8	1	8
	Left-Through		0			0	
	Through	927	1	466	1002	1	523
	Through-Right		1			1	
	Right	5	0	5	43	0	43
	Left-Through-Right			0		0	
	Left-Right		0			0	
<b>WESTBOUND</b>	Left	7	1	7	45	1	45
	Left-Through		0			0	
	Through	1070	1	548	1178	1	592
	Through-Right		1			1	
	Right	25	0	25	5	0	5
	Left-Through-Right			0		0	
	Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 222 <i>East-West:</i> 593 <i>SUM:</i> 815			<i>North-South:</i> 237 <i>East-West:</i> 600 <i>SUM:</i> 837
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.543			0.558
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.443</b>			<b>0.458</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
9

**PROJECT TITLE: AMPAS**  
**North-South Street: La Brea Avenue**      **East-West Street: 3rd Street**  
**Scenario: Existing with Project with Mitigation Conditions**  
**Count Date:**                                      **Analyst:**                                      **Date:**

No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3?  Right Turns: FREE-1, NRTOR-2 or OLA-3?  ATSAC-1 or ATSAC+ATCS-2? Override Capacity		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		NB --	SB --	Lane	NB --	SB --	Lane
		0	0	4	0	0	4
		0	0	0	0	0	0
		0	0	2	0	0	2
		0	0	0	0	0	0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	137	1	137	172	1	172
	↵↶ Left-Through		0			0	
	↶ Through	1136	1	611	928	1	496
	↶↷ Through-Right		1			1	
	↷ Right	85	0	85	64	0	64
	↶↷↷ Left-Through-Right		0			0	
↷↷ Left-Right		0			0		
<b>SOUTHBOUND</b>	↶ Left	81	1	81	83	1	83
	↶↷ Left-Through		0			0	
	↷ Through	1056	1	590	1015	1	588
	↷↶ Through-Right		1			1	
	↶ Right	123	0	123	160	0	160
	↷↶ Left-Through-Right		0			0	
↶↷ Left-Right		0			0		
<b>EASTBOUND</b>	↶ Left	117	1	117	108	1	108
	↶↷ Left-Through		0			0	
	↷ Through	830	2	415	706	2	353
	↷↶ Through-Right		0			0	
	↶ Right	154	1	86	188	1	102
	↷↶ Left-Through-Right		0			0	
↶↷ Left-Right		0			0		
<b>WESTBOUND</b>	↶ Left	103	1	103	75	1	75
	↶↷ Left-Through		0			0	
	↷ Through	770	1	436	908	1	492
	↷↶ Through-Right		1			1	
	↶ Right	101	0	101	76	0	76
	↷↶ Left-Through-Right		0			0	
↶↷ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 727			<i>North-South:</i> 760
				<i>East-West:</i> 553			<i>East-West:</i> 600
				<i>SUM:</i> 1280			<i>SUM:</i> 1360
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.931			0.989
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.831</b>			<b>0.889</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>			<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**10**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Colgate Avenue  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i>	0	<i>NB --</i> 0	<i>SB --</i>	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0	<i>WB --</i>	0	<i>EB --</i> 0	<i>WB --</i>	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	23	1	23	27	1	27
	↵↔ Left-Through		0			0	
	↔ Through	983	1	553	1075	1	542
	↔↘ Through-Right		1			1	
	↘ Right	123	0	123	9	0	9
	↵↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>SOUTHBOUND</b>	↵ Left	21	1	21	15	1	15
	↵↔ Left-Through		0			0	
	↔ Through	1106	1	568	1053	1	575
	↔↘ Through-Right		1			1	
	↘ Right	29	0	29	97	0	97
	↵↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>EASTBOUND</b>	↵ Left	8	0	8	94	0	94
	↵↔ Left-Through		0			0	
	↔ Through	38	0	70	24	0	138
	↔↘ Through-Right		0			0	
	↘ Right	24	0	0	20	0	0
	↵↘ Left-Through-Right		1			1	
	↘↔ Left-Right		0			0	
<b>WESTBOUND</b>	↵ Left	165	0	165	7	0	7
	↵↔ Left-Through		0			0	
	↔ Through	49	0	236	17	0	35
	↔↘ Through-Right		0			0	
	↘ Right	22	0	0	11	0	0
	↵↘ Left-Through-Right		1			1	
	↘↔ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 591 <i>East-West:</i> 244 <i>SUM:</i> 835			<i>North-South:</i> 602 <i>East-West:</i> 145 <i>SUM:</i> 747
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.557			0.498
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.457</b>			<b>0.398</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:** 12      **PROJECT TITLE:** AMPAS  
**North-South Street:** San Vicente Boulevard      **East-West Street:** 6th Street  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				3			3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 3	3	EB -- 0	WB -- 3	3
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	0	0	0	0	0	0
	Left-Through		0			0	
	Through	867	2	300	695	2	239
	Through-Right		1			1	
	Right	32	0	32	23	0	23
	Left-Through-Right		0			0	
<b>SOUTHBOUND</b>	Left-Through-Right		0			0	
	Left-Right		0			0	
	Left	192	1	192	146	1	146
	Left-Through		0			0	
	Through	877	3	292	590	3	197
	Through-Right		0			0	
<b>EASTBOUND</b>	Right	0	0	0	0	0	0
	Left-Through-Right		0			0	
	Left-Right		0			0	
	Left	0	0	0	0	0	0
	Left-Through		0			0	
	Through	0	0	0	0	0	0
<b>WESTBOUND</b>	Through-Right		0			0	
	Right	0	0	0	0	0	0
	Left-Through-Right		0			0	
	Left-Right		0			0	
	Left	99	0	99	87	0	87
	Left-Through		1			1	
		0	0	99	0	0	87
		183	1	0	143	1	0
			0			0	
			0			0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		492	<i>North-South:</i>		385
		<i>East-West:</i>		99	<i>East-West:</i>		87
		<i>SUM:</i>		591	<i>SUM:</i>		472
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.415			0.331
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.315</b>			<b>0.231</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**12**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boulc **East-West Street:** 6th Street  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0			2 0 0 0 2 0
		NB -- 0 EB -- 0	SB -- 0 WB -- 0		NB -- 0 EB -- 0	SB -- 0 WB -- 0	
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	40	0	40	45	0	45
	↙↔ Left-Through		1			1	
	↔ Through	543	0	378	540	0	383
	↔↘ Through-Right		1			1	
	↘ Right	53	0	378	46	0	383
	↙↔↘ Left-Through-Right		0			0	
↙↔↘ Left-Right		0			0		
<b>SOUTHBOUND</b>	↘ Left	16	0	16	22	0	22
	↘↔ Left-Through		1			1	
	↔ Through	616	0	352	586	0	345
	↔↙ Through-Right		1			1	
	↙ Right	56	0	352	59	0	345
	↘↔↙ Left-Through-Right		0			0	
↘↔↙ Left-Right		0			0		
<b>EASTBOUND</b>	↘ Left	40	0	40	39	0	39
	↘↔ Left-Through		0			0	
	↔ Through	263	0	344	268	0	372
	↔↙ Through-Right		0			0	
	↙ Right	41	0	0	65	0	0
	↘↔↙ Left-Through-Right		1			1	
↘↔↙ Left-Right		0			0		
<b>WESTBOUND</b>	↙ Left	26	0	26	31	0	31
	↙↔ Left-Through		0			0	
	↔ Through	300	0	353	243	0	299
	↔↘ Through-Right		0			0	
	↘ Right	27	0	0	25	0	0
	↙↔↘ Left-Through-Right		1			1	
↙↔↘ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 394 <i>East-West:</i> 393 <i>SUM:</i> 787			<i>North-South:</i> 405 <i>East-West:</i> 403 <i>SUM:</i> 808
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.525			0.539
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.425</b>			<b>0.439</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: 6th Street**  
**Scenario: Existing with Project with Mitigation Conditions**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				3			3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 2	<i>SB --</i> 0	0	<i>NB --</i> 2	<i>SB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	22	1	22	13	1	13
	↵↔ Left-Through		0			0	
	↔ Through	893	2	447	974	2	487
	↔↘ Through-Right		0			0	
	↘ Right	151	1	151	177	1	177
	↘↔ Left-Through-Right		0			0	
↘↔↘ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	165	1	165	134	1	134
	↵↔ Left-Through		0			0	
	↔ Through	1124	1	577	1016	1	532
	↔↘ Through-Right		1			1	
	↘ Right	29	0	29	48	0	48
	↘↔ Left-Through-Right		0			0	
↘↔↘ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	43	1	43	21	1	21
	↵↔ Left-Through		0			0	
	↔ Through	328	0	354	242	0	261
	↔↘ Through-Right		1			1	
	↘ Right	26	0	0	19	0	0
	↘↔ Left-Through-Right		0			0	
↘↔↘ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	155	2	85	200	2	110
	↵↔ Left-Through		0			0	
	↔ Through	301	1	301	251	1	251
	↔↘ Through-Right		0			0	
	↘ Right	168	1	86	178	1	111
	↘↔ Left-Through-Right		0			0	
↘↔↘ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 612			<i>North-South:</i> 621
				<i>East-West:</i> 439			<i>East-West:</i> 371
				<i>SUM:</i> 1051			<i>SUM:</i> 992
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.738			0.696
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.638</b>			<b>0.596</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>			<b>A</b>

# Level of Service Worksheet (Circular 212 Method)



<b>I/S #:</b>	<b>PROJECT TITLE: AMPAS</b>				
<b>14</b>	<b>North-South Street: Odgen Drive/Project Dv</b>	<b>East-West Street: 6th Street</b>			
	<b>Scenario: Existing with Project with Mitigation Conditions</b>				
	<b>Count Date:</b>	<b>Analyst:</b>	<b>Date:</b>		

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases				<b>2</b>			<b>2</b>
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	↵ Left	97	0	97	87	0	87
	↵ Left-Through		0			0	
	→ Through	0	0	0	0	0	0
	→ Through-Right		0			0	
	↻ Right	60	0	157	70	0	157
	↻ Left-Through-Right		0			0	
SOUTHBOUND	↵ Left	4	0	4	10	0	10
	↵ Left-Through		0			0	
	→ Through	0	0	0	0	0	0
	→ Through-Right		0			0	
	↻ Right	18	0	22	27	0	37
	↻ Left-Through-Right		0			0	
EASTBOUND	↵ Left	12	1	12	10	1	10
	↵ Left-Through		0			0	
	→ Through	520	1	320	459	1	305
	→ Through-Right		1			1	
	↻ Right	120	0	120	151	0	151
	↻ Left-Through-Right		0			0	
WESTBOUND	↵ Left	75	1	75	85	1	85
	↵ Left-Through		0			0	
	→ Through	530	1	269	522	1	265
	→ Through-Right		1			1	
	↻ Right	8	0	8	7	0	7
	↻ Left-Through-Right		0			0	
CRITICAL VOLUMES				<b>North-South:</b> 161 <b>East-West:</b> 395 <b>SUM:</b> 556			<b>North-South:</b> 167 <b>East-West:</b> 390 <b>SUM:</b> 557
VOLUME/CAPACITY (V/C) RATIO:				0.371			0.371
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.271</b>			<b>0.271</b>
LEVEL OF SERVICE (LOS):				<b>A</b>			<b>A</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0			2 0 0 0 2 0
		<i>NB</i> -- 0	<i>SB</i> -- 0		<i>NB</i> -- 0	<i>SB</i> -- 0	
		<i>EB</i> -- 0	<i>WB</i> -- 0		<i>EB</i> -- 0	<i>WB</i> -- 0	
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	70	1	70	65	1	65
	Left-Through		0			0	
	Through	46	0	155	71	0	155
	Through-Right		1			1	
	Right	109	0	0	84	0	0
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>SOUTHBOUND</b>	Left	51	1	51	47	1	47
	Left-Through		0			0	
	Through	43	0	89	54	0	90
	Through-Right		1			1	
	Right	46	0	0	36	0	0
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>EASTBOUND</b>	Left	25	1	25	45	1	45
	Left-Through		0			0	
	Through	478	1	270	428	1	240
	Through-Right		1			1	
	Right	62	0	62	52	0	52
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>WESTBOUND</b>	Left	71	1	71	89	1	89
	Left-Through		0			0	
	Through	501	1	280	526	1	299
	Through-Right		1			1	
	Right	58	0	58	72	0	72
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 206 <i>East-West:</i> 341 <i>SUM:</i> 547			<i>North-South:</i> 202 <i>East-West:</i> 344 <i>SUM:</i> 546
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.365			0.364
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.265</b>			<b>0.264</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



I/S #: **16**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: 6th Street**  
**Scenario: Existing with Project with Mitigation Conditions**  
**Count Date:**                                  **Analyst:**                                  **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> --	<i>SB</i> --	0	<i>NB</i> --	<i>SB</i> --	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB</i> --	<i>WB</i> --	0	<i>EB</i> --	<i>WB</i> --	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	60	1	60	95	1	95
	Left-Through		0			0	
	Through	307	0	344	515	0	568
	Through-Right		1			1	
	Right	37	0	0	53	0	0
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>SOUTHBOUND</b>	Left	29	1	29	40	1	40
	Left-Through		0			0	
	Through	360	1	360	348	1	348
	Through-Right		0			0	
	Right	113	1	113	82	1	82
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>EASTBOUND</b>	Left	83	0	83	64	0	64
	Left-Through		1			1	
	Through	549	0	390	510	0	346
	Through-Right		1			1	
	Right	64	0	390	53	0	346
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>WESTBOUND</b>	Left	30	0	30	21	0	21
	Left-Through		1			1	
	Through	470	0	313	500	0	305
	Through-Right		1			1	
	Right	36	0	313	68	0	305
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> <i>East-West:</i>	420		608
				<b>SUM:</b>	420		369
				<b>SUM:</b>	840		977
VOLUME/CAPACITY (V/C) RATIO:				0.560			0.651
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.460</b>			<b>0.551</b>
LEVEL OF SERVICE (LOS):				<b>A</b>			<b>A</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Burnside Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR			
No. of Phases		2			2			
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0			
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0	
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0	
ATSAC-1 or ATSAC+ATCS-2?		2			2			
Override Capacity		0			0			
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume	
<b>NORTHBOUND</b>	↶ Left	19	0	19	16	0	16	
	↶↷ Left-Through	36	0	83	53	0	88	
	↷ Through	28	0	0	19	0	0	
	↷↶ Right	1	1	1	1	1	1	
	↷↶↷ Left-Through-Right	0	0	0	0	0	0	
	↷↶↷↶ Left-Right	0	0	0	0	0	0	
<b>SOUTHBOUND</b>	↷ Left	79	0	79	57	0	57	
	↷↶ Left-Through	39	0	118	43	0	100	
	↷ Through	19	1	19	14	1	14	
	↷↶ Right	0	0	0	0	0	0	
	↷↶↷ Left-Through-Right	0	0	0	0	0	0	
	↷↶↷↶ Left-Right	0	0	0	0	0	0	
<b>EASTBOUND</b>	↷ Left	14	0	14	25	0	25	
	↷↶ Left-Through	591	0	318	543	0	321	
	↷ Through	17	1	17	49	1	49	
	↷↶ Right	0	0	0	0	0	0	
	↷↶↷ Left-Through-Right	0	0	0	0	0	0	
	↷↶↷↶ Left-Right	0	0	0	0	0	0	
<b>WESTBOUND</b>	↷ Left	29	0	29	23	0	23	
	↷↶ Left-Through	527	0	355	517	0	321	
	↷ Through	66	1	66	79	1	79	
	↷↶ Right	0	0	0	0	0	0	
	↷↶↷ Left-Through-Right	0	0	0	0	0	0	
	↷↶↷↶ Left-Right	0	0	0	0	0	0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		162	<i>North-South:</i>		145	
		<i>East-West:</i>		369	<i>East-West:</i>		346	
		<b>SUM:</b>		531	<b>SUM:</b>		491	
<b>VOLUME/CAPACITY (V/C) RATIO:</b>					0.354			0.327
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>					<b>0.254</b>			<b>0.227</b>
<b>LEVEL OF SERVICE (LOS):</b>					<b>A</b>			<b>A</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**18**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>No. of Phases</b> Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity							
		2			2		
		0			0		
		0			0		
		0			0		
		2			2		
		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	24	0	24	33	0	33
	↵↶ Left-Through		0			0	
	→↶ Through	108	0	158	162	0	219
	→↷ Through-Right		0			0	
	↷ Right	26	0	0	24	0	0
	↵↷ Left-Through-Right		1			1	
	↷↶ Left-Right		0			0	
<b>SOUTHBOUND</b>	↵ Left	7	0	7	8	0	8
	↵↶ Left-Through		0			0	
	→↶ Through	114	0	166	89	0	163
	→↷ Through-Right		0			0	
	↷ Right	45	0	0	66	0	0
	↵↷ Left-Through-Right		1			1	
	↷↶ Left-Right		0			0	
<b>EASTBOUND</b>	↵ Left	56	0	56	44	0	44
	↵↶ Left-Through		1			1	
	→↶ Through	591	0	371	515	0	559
	→↷ Through-Right		1			0	
	↷ Right	39	0	371	58	1	58
	↵↷ Left-Through-Right		0			0	
	↷↶ Left-Right		0			0	
<b>WESTBOUND</b>	↵ Left	33	0	33	39	0	39
	↵↶ Left-Through		1			1	
	→↶ Through	508	0	541	505	0	544
	→↷ Through-Right		0			0	
	↷ Right	24	1	24	24	1	24
	↵↷ Left-Through-Right		0			0	
	↷↶ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 190			<i>North-South:</i> 227		
		<i>East-West:</i> 597			<i>East-West:</i> 598		
		<i>SUM:</i> 787			<i>SUM:</i> 825		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.525			0.550		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		0.425			0.450		
<b>LEVEL OF SERVICE (LOS):</b>		A			A		



I/S #: **19**

PROJECT TITLE: AMPAS  
 North-South Street: La Brea Avenue East-West Street: 6th Street  
 Scenario: Existing with Project with Mitigation Conditions  
 Count Date: Analyst: Date:

MOVEMENT		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	63	1	63	70	1	70
	Left-Through		0			0	
	Through	1153	2	577	1249	2	625
	Through-Right		0			0	
	Right	50	1	50	45	1	45
	Left-Through-Right		0			0	
	Left-Right		0			0	
SOUTHBOUND	Left	76	1	76	61	1	61
	Left-Through		0			0	
	Through	1138	2	404	1190	2	419
	Through-Right		1			1	
	Right	74	0	74	68	0	68
	Left-Through-Right		0			0	
	Left-Right		0			0	
EASTBOUND	Left	75	0	75	110	0	110
	Left-Through		1			1	
	Through	478	0	357	401	0	379
	Through-Right		1			1	
	Right	86	0	357	136	0	379
	Left-Through-Right		0			0	
	Left-Right		0			0	
WESTBOUND	Left	33	0	33	33	0	33
	Left-Through		1			1	
	Through	434	0	467	466	0	499
	Through-Right		0			0	
	Right	88	1	50	81	1	51
	Left-Through-Right		0			0	
	Left-Right		0			0	
CRITICAL VOLUMES		North-South: 653 East-West: 542 <b>SUM: 1195</b>			North-South: 686 East-West: 609 <b>SUM: 1295</b>		
VOLUME/CAPACITY (V/C) RATIO:		0.797			0.863		
V/C LESS ATSAC/ATCS ADJUSTMENT:		0.697			0.763		
LEVEL OF SERVICE (LOS):		B			C		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**21**

**PROJECT TITLE: AMPAS**  
**North-South Street: San Vicente Boulevard**     **East-West Street: Wilshire Boulevard**  
**Scenario: Existing with Project with Mitigation Conditions**  
**Count Date:**     **Analyst:**     **Date:**

MOVEMENT		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		4			4		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 0	0	<i>NB --</i> 0	<i>SB --</i> 0	0
		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	187	2	103	112	2	62
	↵↱ Left-Through		0			0	
	↱ Through	568	2	199	414	2	143
	↱↵ Through-Right		1			1	
	↵ Right	28	0	28	15	0	15
	↵↱↵ Left-Through-Right		0			0	
↵↵↵ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	184	2	101	95	2	52
	↵↱ Left-Through		0			0	
	↱ Through	585	3	195	422	3	141
	↱↵ Through-Right		0			0	
	↵ Right	103	0	0	0	0	0
	↵↱↵ Left-Through-Right		0			0	
↵↵↵ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	83	1	83	46	1	46
	↵↱ Left-Through		0			0	
	↱ Through	999	2	394	810	2	310
	↱↵ Through-Right		1			1	
	↵ Right	182	0	182	119	0	119
	↵↱↵ Left-Through-Right		0			0	
↵↵↵ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	31	1	31	18	1	18
	↵↱ Left-Through		0			0	
	↱ Through	898	2	371	773	2	305
	↱↵ Through-Right		1			1	
	↵ Right	214	0	214	141	0	141
	↵↱↵ Left-Through-Right		0			0	
↵↵↵ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 300			<i>North-South:</i> 203		
		<i>East-West:</i> 454			<i>East-West:</i> 351		
		<b>SUM:</b> 754			<b>SUM:</b> 554		
VOLUME/CAPACITY (V/C) RATIO:		0.548			0.403		
V/C LESS ATSAC/ATCS ADJUSTMENT:		<b>0.448</b>			<b>0.303</b>		
LEVEL OF SERVICE (LOS):		<b>A</b>			<b>A</b>		

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**22**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boulevard **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 0		<i>NB --</i> 0	<i>SB --</i> 0	
		<i>EB --</i> 0	<i>WB --</i> 0		<i>EB --</i> 0	<i>WB --</i> 0	
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	3	0	0	0	0	0
	Left-Through		0			0	
	Through	506	1	305	586	1	332
	Through-Right		1			1	
	Right	104	0	104	78	0	78
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>SOUTHBOUND</b>	Left	99	0	99	78	0	78
	Left-Through		1			1	
	Through	450	0	489	426	0	428
	Through-Right		1			1	
	Right	131	0	489	117	0	428
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>EASTBOUND</b>	Left	101	1	101	107	1	107
	Left-Through		0			0	
	Through	996	2	375	910	2	313
	Through-Right		1			1	
	Right	128	0	128	28	0	28
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>WESTBOUND</b>	Left	86	1	86	15	1	15
	Left-Through		0			0	
	Through	894	2	345	836	2	315
	Through-Right		1			1	
	Right	141	0	141	110	0	110
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 489			<i>North-South:</i> 428		
		<i>East-West:</i> 461			<i>East-West:</i> 422		
		<i>SUM:</i> 950			<i>SUM:</i> 850		
VOLUME/CAPACITY (V/C) RATIO:				0.633			0.567
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.533</b>			<b>0.467</b>
LEVEL OF SERVICE (LOS):				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**23**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Existing with Project with Mitigation Conditions**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases				4			4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> --	<i>SB</i> --	3	<i>NB</i> --	<i>SB</i> --	3
ATSAC-1 or ATSAC+ATCS-2?		<i>EB</i> --	<i>WB</i> --	0	<i>EB</i> --	<i>WB</i> --	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	134	1	134	92	1	92
	↵↶ Left-Through		0			0	
	↶ Through	780	1	438	767	1	421
	↶↷ Through-Right		1			1	
	↷ Right	96	0	96	75	0	75
	↵↷ Left-Through-Right		0			0	
<b>SOUTHBOUND</b>	↶ Left	159	1	159	158	1	158
	↶↷ Left-Through		0			0	
	↷ Through	853	2	427	852	2	426
	↷↶ Through-Right		0			0	
	↶ Right	230	1	40	148	1	0
	↶↷ Left-Through-Right		0			0	
<b>EASTBOUND</b>	↶ Left	190	1	190	176	1	176
	↶↷ Left-Through		0			0	
	↷ Through	891	2	316	829	2	299
	↷↶ Through-Right		1			1	
	↶ Right	56	0	56	67	0	67
	↶↷ Left-Through-Right		0			0	
<b>WESTBOUND</b>	↶ Left	78	1	78	104	1	104
	↶↷ Left-Through		0			0	
	↷ Through	772	2	300	721	2	291
	↷↶ Through-Right		1			1	
	↶ Right	128	0	128	153	0	153
	↶↷ Left-Through-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 597			<i>North-South:</i> 579
				<i>East-West:</i> 490			<i>East-West:</i> 467
				<b>SUM:</b> 1087			<b>SUM:</b> 1046
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.791			0.761
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.691</b>			<b>0.661</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>			<b>B</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: 24

PROJECT TITLE: AMPAS  
 North-South Street: Spaulding Avenue East-West Street: Wilshire Boulevard  
 Scenario: Existing with Project with Mitigation Conditions  
 Count Date: Analyst: Date:

MOVEMENT		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0		NB -- 0	SB -- 0	
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0		EB -- 0	WB -- 0	
Override Capacity		2			2		
		0			0		
NORTHBOUND	Left	59	0	59	38	0	38
	Left-Through		0			0	
	Through	0	0	0	0	0	0
	Through-Right		0			0	
	Right	42	0	101	66	0	104
	Left-Through-Right		0			0	
	Left-Right		1			1	
SOUTHBOUND	Left	0	0	0	0	0	0
	Left-Through		0			0	
	Through	0	0	0	0	0	0
	Through-Right		0			0	
	Right	0	0	0	0	0	0
	Left-Through-Right		0			0	
	Left-Right		0			0	
EASTBOUND	Left	0	0	0	0	0	0
	Left-Through		0			0	
	Through	1064	2	532	960	2	480
	Through-Right		0			0	
	Right	81	1	81	86	1	86
	Left-Through-Right		0			0	
	Left-Right		0			0	
WESTBOUND	Left	57	1	57	92	1	92
	Left-Through		0			0	
	Through	998	2	499	1007	2	504
	Through-Right		0			0	
	Right	0	0	0	0	0	0
	Left-Through-Right		0			0	
	Left-Right		0			0	
CRITICAL VOLUMES		North-South: 101			North-South: 104		
		East-West: 589			East-West: 572		
		SUM: 690			SUM: 676		
VOLUME/CAPACITY (V/C) RATIO:		0.460			0.451		
V/C LESS ATSAC/ATCS ADJUSTMENT:		0.360			0.351		
LEVEL OF SERVICE (LOS):		A			A		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**25**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Existing with Project with Mitigation Conditions**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>No. of Phases</b> Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0			2 0 0 0 2 0
		<i>NB</i> -- 0	<i>SB</i> -- 0		<i>NB</i> -- 0	<i>SB</i> -- 0	
		<i>EB</i> -- 0	<i>WB</i> -- 0		<i>EB</i> -- 0	<i>WB</i> -- 0	
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	36	0	36	29	0	29
	↙↔ Left-Through		0			0	
	↔ Through	89	0	210	96	0	173
	↔↘ Through-Right		0			0	
	↘ Right	85	0	0	48	0	0
	↙↘ Left-Through-Right		1			1	
	↙↔↘ Left-Right		0			0	
<b>SOUTHBOUND</b>	↘ Left	66	0	66	56	0	56
	↘↔ Left-Through		0			0	
	↔ Through	87	0	262	71	0	227
	↔↙ Through-Right		0			0	
	↙ Right	109	0	0	100	0	0
	↘↙ Left-Through-Right		1			1	
	↘↔↙ Left-Right		0			0	
<b>EASTBOUND</b>	↙ Left	89	1	89	91	1	91
	↙↔ Left-Through		0			0	
	↔ Through	981	2	491	872	2	436
	↔↘ Through-Right		0			0	
	↘ Right	17	1	17	15	1	15
	↙↘ Left-Through-Right		0			0	
	↙↔↘ Left-Right		0			0	
<b>WESTBOUND</b>	↘ Left	24	1	24	21	1	21
	↘↔ Left-Through		0			0	
	↔ Through	921	2	461	967	2	484
	↔↙ Through-Right		0			0	
	↙ Right	12	1	12	30	1	30
	↘↙ Left-Through-Right		0			0	
	↘↔↙ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 298			<i>North-South:</i> 256
				<i>East-West:</i> 550			<i>East-West:</i> 575
				<i>SUM:</i> 848			<i>SUM:</i> 831
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.565			0.554
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.465</b>			<b>0.454</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>





# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**26**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Hauser Boulevard      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	62	1	62	68	1	68
	Left-Through		0			0	
	Through	425	1	425	259	1	259
	Through-Right		0			0	
	Right	113	1	84	73	1	38
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>SOUTHBOUND</b>	Left	59	1	59	158	1	158
	Left-Through		0			0	
	Through	323	0	379	399	0	587
	Through-Right		1			1	
	Right	56	0	0	188	0	0
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>EASTBOUND</b>	Left	58	1	58	68	1	68
	Left-Through		0			0	
	Through	969	2	485	896	2	448
	Through-Right		0			0	
	Right	68	1	37	70	1	36
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>WESTBOUND</b>	Left	59	1	59	71	1	71
	Left-Through		0			0	
	Through	814	2	407	890	2	445
	Through-Right		0			0	
	Right	59	1	30	56	1	0
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 484			<i>North-South:</i> 655		
		<i>East-West:</i> 544			<i>East-West:</i> 519		
		<b>SUM:</b> 1028			<b>SUM:</b> 1174		
VOLUME/CAPACITY (V/C) RATIO:		0.685			0.783		
V/C LESS ATSAC/ATCS ADJUSTMENT:		<b>0.585</b>			<b>0.683</b>		
LEVEL OF SERVICE (LOS):		<b>A</b>			<b>B</b>		

**Level of Service Worksheet  
(Circular 212 Method)**



I/S #: 27

PROJECT TITLE: AMPAS  
 North-South Street: Cochran Avenue East-West Street: Wilshire Boulevard  
 Scenario: Existing with Project with Mitigation Conditions  
 Count Date: Analyst: Date:

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	32	0	32	58	0	58
	Left-Through		0			0	
	Through	100	0	162	142	0	240
	Through-Right		0			0	
	Right	30	0	0	40	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
SOUTHBOUND	Left	20	0	20	23	0	23
	Left-Through		0			0	
	Through	89	0	169	83	0	187
	Through-Right		0			0	
	Right	60	0	0	81	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
EASTBOUND	Left	47	1	47	44	1	44
	Left-Through		0			0	
	Through	1036	2	518	968	2	484
	Through-Right		0			0	
	Right	18	1	18	30	1	30
	Left-Through-Right		0			0	
	Left-Right		0			0	
WESTBOUND	Left	22	1	22	26	1	26
	Left-Through		0			0	
	Through	942	2	471	1014	2	507
	Through-Right		0			0	
	Right	43	1	43	31	1	31
	Left-Through-Right		0			0	
	Left-Right		0			0	
CRITICAL VOLUMES				North-South: 201 East-West: 540 SUM: 741			North-South: 263 East-West: 551 SUM: 814
VOLUME/CAPACITY (V/C) RATIO:				0.494			0.543
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.394</b>			<b>0.443</b>
LEVEL OF SERVICE (LOS):				<b>A</b>			<b>A</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**28**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		4			4		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 0	0	<i>NB --</i> 0	<i>SB --</i> 0	0
		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	131	1	131	132	1	132
	Left-Through		0			0	
	Through	972	2	356	984	2	359
	Through-Right		1			1	
	Right	96	0	96	94	0	94
	Left-Through-Right		0			0	
Left-Right		0			0		
<b>SOUTHBOUND</b>	Left	93	1	93	4	1	4
	Left-Through		0			0	
	Through	1034	2	403	1031	2	403
	Through-Right		1			1	
	Right	176	0	176	177	0	177
	Left-Through-Right		0			0	
Left-Right		0			0		
<b>EASTBOUND</b>	Left	143	1	143	141	1	141
	Left-Through		0			0	
	Through	756	2	378	739	2	370
	Through-Right		0			0	
	Right	92	1	27	118	1	52
	Left-Through-Right		0			0	
Left-Right		0			0		
<b>WESTBOUND</b>	Left	134	1	134	176	1	176
	Left-Through		0			0	
	Through	686	2	343	838	2	419
	Through-Right		0			0	
	Right	141	1	95	125	1	123
	Left-Through-Right		0			0	
Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 534			<i>North-South:</i> 535		
		<i>East-West:</i> 512			<i>East-West:</i> 560		
		<b>SUM:</b> 1046			<b>SUM:</b> 1095		
VOLUME/CAPACITY (V/C) RATIO:		0.761			0.796		
V/C LESS ATSAC/ATCS ADJUSTMENT:		<b>0.661</b>			<b>0.696</b>		
LEVEL OF SERVICE (LOS):		<b>B</b>			<b>B</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**29**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 8th Street  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				3			3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2			2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	0	0	0	1	0	0
	↵↔ Left-Through		0			0	
	↔ Through	858	1	462	986	1	517
	↔↗ Through-Right		1			1	
	↗ Right	66	0	66	47	0	47
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	100	1	100	89	1	89
	↵↔ Left-Through		0			0	
	↔ Through	970	2	485	940	2	470
	↔↗ Through-Right		0			0	
	↗ Right	0	0	0	1	0	0
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	2	0	2	3	0	3
	↵↔ Left-Through		0			0	
	↔ Through	15	0	21	12	0	20
	↔↗ Through-Right		0			0	
	↗ Right	4	0	0	5	0	0
	↗↔ Left-Through-Right		1			1	
↗↔↗ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	72	1	63	70	1	58
	↵↔ Left-Through		0			0	
	↔ Through	0	0	0	0	0	0
	↔↗ Through-Right		0			0	
	↗ Right	118	1	13	105	1	14
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		1			1		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 562 <i>East-West:</i> 84 <i>SUM:</i> 646			<i>North-South:</i> 606 <i>East-West:</i> 78 <i>SUM:</i> 684
VOLUME/CAPACITY (V/C) RATIO:				0.453			0.480
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.353</b>			<b>0.380</b>
LEVEL OF SERVICE (LOS):				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i>	0	<i>NB --</i> 0	<i>SB --</i>	0
		<i>EB --</i> 0	<i>WB --</i>	0	<i>EB --</i> 0	<i>WB --</i>	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	111	0	111	56	0	56
	↶↷ Left-Through		1			1	
	↷ Through	473	0	469	506	0	321
	↷↶ Through-Right		1			1	
	↷ Right	21	0	469	23	0	321
	↷↷ Left-Through-Right		0			0	
	↷↷ Left-Right		0			0	
<b>SOUTHBOUND</b>	↷ Left	80	0	80	79	0	79
	↷↶ Left-Through		1			1	
	↷ Through	513	1	337	365	1	262
	↷↶ Through-Right		0			0	
	↷ Right	90	0	90	18	0	18
	↷↷ Left-Through-Right		0			0	
	↷↷ Left-Right		0			0	
<b>EASTBOUND</b>	↶ Left	52	1	52	29	1	29
	↶↷ Left-Through		0			0	
	↶ Through	639	2	238	535	2	189
	↶↷ Through-Right		1			1	
	↶ Right	76	0	76	31	0	31
	↶↷ Left-Through-Right		0			0	
	↶↷ Left-Right		0			0	
<b>WESTBOUND</b>	↷ Left	44	1	44	17	1	17
	↷↶ Left-Through		0			0	
	↷ Through	636	2	246	465	2	183
	↷↶ Through-Right		1			1	
	↷ Right	102	0	102	85	0	85
	↷↷ Left-Through-Right		0			0	
	↷↷ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 549 <i>East-West:</i> 298 <i>SUM:</i> 847			<i>North-South:</i> 400 <i>East-West:</i> 212 <i>SUM:</i> 612
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.565			0.408
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.465</b>			<b>0.308</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**31**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Carillo Drive/Crescent Pl **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 2	2	<i>NB --</i> 0	<i>SB --</i> 2	2
		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	146	0	0	1	0	0
	↵↔ Left-Through		0			0	
	↔ Through	390	1	390	379	1	379
	↔↘ Through-Right		0			0	
	↘ Right	43	1	29	39	1	18
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	15	0	0	2	0	0
	↵↔ Left-Through		0			0	
	↔ Through	359	0	278	291	0	196
	↔↘ Through-Right		1			1	
	↘ Right	197	1	0	101	1	0
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	151	1	151	139	1	139
	↵↔ Left-Through		0			0	
	↔ Through	927	2	464	823	2	412
	↔↘ Through-Right		0			0	
	↘ Right	19	1	19	18	1	18
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	29	1	29	42	1	42
	↵↔ Left-Through		0			0	
	↔ Through	946	2	473	721	2	361
	↔↘ Through-Right		0			0	
	↘ Right	10	1	10	3	1	3
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 390			<i>North-South:</i> 379
				<i>East-West:</i> 624			<i>East-West:</i> 500
				<b>SUM:</b> 1014			<b>SUM:</b> 879
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.676			0.586
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.576</b>			<b>0.486</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				3			3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 0	0	<i>NB --</i> 0	<i>SB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	0	0	0	0	0	0
	↵↔ Left-Through		0			0	
	↔ Through	681	2	341	781	2	391
	↔↘ Through-Right		0			0	
	↘ Right	2	0	0	0	0	0
	↵↔↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	100	1	100	109	1	109
	↵↔ Left-Through		0			0	
	↔ Through	877	1	460	895	1	459
	↔↘ Through-Right		1			1	
	↘ Right	43	0	43	23	0	23
	↵↔↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	35	1	35	21	1	21
	↵↔ Left-Through		0			0	
	↔ Through	695	4	174	467	4	117
	↔↘ Through-Right		0			0	
	↘ Right	104	1	104	73	1	73
	↵↔↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	0	0	0	1	0	0
	↵↔ Left-Through		0			0	
	↔ Through	652	2	268	514	2	252
	↔↘ Through-Right		1			1	
	↘ Right	151	0	151	243	0	243
	↵↔↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 460 <i>East-West:</i> 303 <i>SUM:</i> 763			<i>North-South:</i> 500 <i>East-West:</i> 273 <i>SUM:</i> 773
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.535			0.542
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.435</b>			<b>0.442</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**33**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		3			3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		0			0		
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	56	1	56	17	1	17
	↵↔ Left-Through		0			0	
	↔ Through	584	1	316	559	1	294
	↔↘ Through-Right		1			1	
	↘ Right	48	0	48	29	0	29
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	0	0	0	0	0	0
	↵↔ Left-Through		0			0	
	↔ Through	813	1	525	817	1	500
	↔↘ Through-Right		1			1	
	↘ Right	237	0	237	182	0	182
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	128	1	128	150	1	150
	↵↔ Left-Through		0			0	
	↔ Through	829	2	288	722	2	248
	↔↘ Through-Right		1			1	
	↘ Right	34	0	34	23	0	23
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	59	1	59	81	1	81
	↵↔ Left-Through		0			0	
	↔ Through	715	3	238	612	3	204
	↔↘ Through-Right		0			0	
	↘ Right	16	0	0	8	0	0
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 581			<i>North-South:</i> 517		
		<i>East-West:</i> 366			<i>East-West:</i> 354		
		<i>SUM:</i> 947			<i>SUM:</i> 871		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.665			0.611		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.565</b>			<b>0.511</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>			<b>A</b>		

































# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**35**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 0	0	<i>NB --</i> 0	<i>SB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	 Left	10	0	10	5	0	5
	 Left-Through		0			0	
	 Through	62	0	92	78	0	121
	 Through-Right		0			0	
	 Right	20	0	0	38	0	0
	 Left-Through-Right		1			1	
 Left-Right		0			0		
<b>SOUTHBOUND</b>	 Left	27	0	27	24	0	24
	 Left-Through		0			0	
	 Through	77	0	144	53	0	94
	 Through-Right		0			0	
	 Right	40	0	0	17	0	0
	 Left-Through-Right		1			1	
 Left-Right		0			0		
<b>EASTBOUND</b>	 Left	38	1	38	43	1	43
	 Left-Through		0			0	
	 Through	781	2	391	760	2	380
	 Through-Right		0			0	
	 Right	12	1	12	13	1	13
	 Left-Through-Right		0			0	
 Left-Right		0			0		
<b>WESTBOUND</b>	 Left	30	1	30	19	1	19
	 Left-Through		0			0	
	 Through	820	2	410	765	2	383
	 Through-Right		0			0	
	 Right	25	1	25	34	1	34
	 Left-Through-Right		0			0	
 Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 154			<i>North-South:</i> 145		
		<i>East-West:</i> 448			<i>East-West:</i> 426		
		<i>SUM:</i> 602			<i>SUM:</i> 571		
VOLUME/CAPACITY (V/C) RATIO:		0.401			0.381		
V/C LESS ATSAC/ATCS ADJUSTMENT:		0.301			0.281		
LEVEL OF SERVICE (LOS):		A			A		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
36

**PROJECT TITLE:** AMPAS  
**North-South Street:** Hauser Boulevard      **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	23	1	23	10	1	10
	Left-Through		0			0	
	Through	331	0	362	428	0	466
	Through-Right		1			1	
	Right	31	0	0	38	0	0
	Left-Through-Right		0			0	
SOUTHBOUND	Left	43	1	43	47	1	47
	Left-Through		0			0	
	Through	318	0	379	340	0	407
	Through-Right		1			1	
	Right	61	0	0	67	0	0
	Left-Through-Right		0			0	
EASTBOUND	Left	60	1	60	73	1	73
	Left-Through		0			0	
	Through	759	2	380	743	2	372
	Through-Right		0			0	
	Right	10	1	0	12	1	7
	Left-Through-Right		0			0	
WESTBOUND	Left	36	1	36	46	1	46
	Left-Through		0			0	
	Through	771	2	386	751	2	376
	Through-Right		0			0	
	Right	39	1	18	82	1	59
	Left-Through-Right		0			0	
CRITICAL VOLUMES				North-South: 405			North-South: 513
				East-West: 446			East-West: 449
				SUM: 851			SUM: 962
VOLUME/CAPACITY (V/C) RATIO:				0.567			0.641
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.467			0.541
LEVEL OF SERVICE (LOS):				A			A

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**37**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue**      **East-West Street: Olympic Boulevard**  
**Scenario: Existing with Project with Mitigation Conditions**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2			2
				0			0
				0			0
				0			0
				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	17	0	17	23	0	23
	↵↪ Left-Through		0			0	
	↪ Through	94	0	142	105	0	190
	↪↘ Through-Right		0			0	
	↪ Right	31	0	0	62	0	0
	↪↪ Left-Through-Right		1			1	
<b>SOUTHBOUND</b>	↵↪ Left	27	0	27	24	0	24
	↵↪↪ Left-Through		0			0	
	↪ Through	62	0	124	94	0	136
	↪↘ Through-Right		0			0	
	↪ Right	35	0	0	18	0	0
	↪↪ Left-Through-Right		1			1	
<b>EASTBOUND</b>	↵↪ Left	23	1	23	18	1	18
	↵↪↪ Left-Through		0			0	
	↪ Through	800	2	400	841	2	421
	↪↘ Through-Right		0			0	
	↪ Right	9	1	9	9	1	9
	↪↪ Left-Through-Right		0			0	
<b>WESTBOUND</b>	↵↪ Left	53	1	53	32	1	32
	↵↪↪ Left-Through		0			0	
	↪ Through	783	2	392	897	2	449
	↪↘ Through-Right		0			0	
	↪ Right	32	1	32	34	1	34
	↪↪ Left-Through-Right		0			0	
				0			0
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 169			<i>North-South:</i> 214
				<i>East-West:</i> 453			<i>East-West:</i> 467
				<i>SUM:</i> 622			<i>SUM:</i> 681
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.415			0.454
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				0.315			0.354
<b>LEVEL OF SERVICE (LOS):</b>				A			A



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**38**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Pico Boulevard  
**Scenario:** Existing with Project with Mitigation Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		3			3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	141	1	141	133	1	133
	↵↔ Left-Through		0			0	
	↔ Through	578	2	289	628	2	314
	↔↘ Through-Right		0			0	
	↘ Right	97	1	46	134	1	89
	↘↔ Left-Through-Right		0			0	
↘↔↘ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	77	1	77	77	1	77
	↵↔ Left-Through		0			0	
	↔ Through	776	2	388	743	2	372
	↔↘ Through-Right		0			0	
	↘ Right	55	1	29	56	1	21
	↘↔ Left-Through-Right		0			0	
↘↔↘ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	52	1	52	70	1	70
	↵↔ Left-Through		0			0	
	↔ Through	693	1	392	727	1	409
	↔↘ Through-Right		1			1	
	↘ Right	91	0	91	91	0	91
	↘↔ Left-Through-Right		0			0	
↘↔↘ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	102	1	102	90	1	90
	↵↔ Left-Through		0			0	
	↔ Through	622	1	336	642	1	339
	↔↘ Through-Right		1			1	
	↘ Right	49	0	49	35	0	35
	↘↔ Left-Through-Right		0			0	
↘↔↘ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 529			<i>North-South:</i> 505		
		<i>East-West:</i> 494			<i>East-West:</i> 499		
		<i>SUM:</i> 1023			<i>SUM:</i> 1004		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.718			0.705		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.618</b>			<b>0.605</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>B</b>			<b>B</b>		

EXISTING WITH PROJECT WITH MITIGATION CONDITIONS

**AMPAS Museum**

Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

**WEEKDAY MIDDAY PEAK HOUR**

Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	188	0.000	N/S 1: 0.363 N/S 2: 0.372 * E/W 1: 0.380 * E/W 2: 0.339  V/C Ratio: 0.752 Loss Time: 0.100 ITS: 0.000  ICU: 0.852  LOS: D
	Through	3.00	4,800	963	0.252 *	
	Left	1.00	1,600	148	0.097	
Westbound	Right	0.00	0	78	0.000	
	Through	3.00	4,800	892	0.213	
	Left	1.00	1,600	191	0.126 *	
Northbound	Right	0.00	0	169	0.000	
	Through	3.00	4,800	1,042	0.266	
	Left	1.00	1,600	183	0.120 *	
Eastbound	Right	0.00	0	214	0.000	
	Through	3.00	4,800	946	0.254 *	
	Left	1.00	1,600	191	0.126	

\* Critical Movement

EXISTING WITH PROJECT WITH MITIGATION CONDITIONS

**AMPAS Museum**

Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

**SATURDAY MIDDAY PEAK HOUR**

Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	122	0.000	N/S 1: 0.349 N/S 2: 0.380 * E/W 1: 0.343 * E/W 2: 0.304 V/C Ratio: 0.723 Loss Time: 0.100 ITS: 0.000 ICU: 0.823 LOS: D
	Through	3.00	4,800	1,056	0.258 *	
	Left	1.00	1,600	95	0.063	
Westbound	Right	0.00	0	64	0.000	
	Through	3.00	4,800	769	0.183	
	Left	1.00	1,600	194	0.128 *	
Northbound	Right	0.00	0	146	0.000	
	Through	3.00	4,800	1,158	0.286	
	Left	1.00	1,600	185	0.122 *	
Eastbound	Right	0.00	0	205	0.000	
	Through	3.00	4,800	775	0.215 *	
	Left	1.00	1,600	184	0.121	

\* Critical Movement

# HCM Signalized Intersection Capacity Analysis

## 43: Santa Monica Blvd & Fairfax Ave

8/15/2013



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	181	869	99	202	804	77	114	683	151	94	725	122
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Frt	1.00	0.98		1.00	0.99		1.00	1.00	0.85	1.00	0.98	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2971		1509	2978		1509	3018	1350	1509	2953	
Flt Permitted	0.20	1.00		0.17	1.00		0.16	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	322	2971		267	2978		261	3018	1350	260	2953	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	191	915	104	213	846	81	120	719	159	99	763	128
RTOR Reduction (vph)	0	8	0	0	7	0	0	0	79	0	14	0
Lane Group Flow (vph)	191	1011	0	213	920	0	120	719	80	99	878	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8	8	7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	54.0	47.0		54.0	47.0		32.3	25.3	25.3	31.0	24.9	
Effective Green, g (s)	52.0	47.0		52.0	47.0		30.3	25.4	25.4	30.0	25.0	
Actuated g/C Ratio	0.52	0.47		0.52	0.47		0.30	0.25	0.25	0.30	0.25	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	239	1396		213	1400		154	767	343	148	738	
v/s Ratio Prot	0.05	0.34		c0.06	0.31		c0.05	0.24		0.04	c0.30	
v/s Ratio Perm	0.37			c0.46			0.19		0.06	0.16		
v/c Ratio	0.80	0.72		1.00	0.66		0.78	0.94	0.23	0.67	1.19	
Uniform Delay, d1	17.0	21.3		21.2	20.3		28.7	36.5	29.6	27.6	37.5	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.69	0.59	
Incremental Delay, d2	15.8	3.3		61.7	2.4		31.4	20.4	1.6	7.7	97.2	
Delay (s)	32.8	24.6		82.9	22.7		60.0	56.9	31.2	26.8	119.1	
Level of Service	C	C		F	C		E	E	C	C	F	
Approach Delay (s)		25.9			34.0			53.2			109.9	
Approach LOS		C			C			D			F	

### Intersection Summary

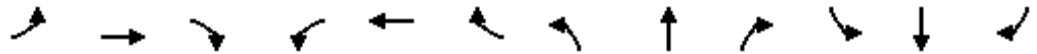
HCM Average Control Delay	53.5	HCM Level of Service	D
HCM Volume to Capacity ratio	1.03		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	16.0
Intersection Capacity Utilization	93.8%	ICU Level of Service	F
Analysis Period (min)	15		
c Critical Lane Group			



# HCM Signalized Intersection Capacity Analysis

## 43: Santa Monica Blvd & Fairfax Ave

8/15/2013



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	198	968	112	207	846	88	123	677	143	101	868	144
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Frt	1.00	0.98		1.00	0.99		1.00	1.00	0.85	1.00	0.98	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2971		1509	2975		1509	3018	1350	1509	2953	
Flt Permitted	0.18	1.00		0.13	1.00		0.17	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	287	2971		204	2975		263	3018	1350	260	2953	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	208	1019	118	218	891	93	129	713	151	106	914	152
RTOR Reduction (vph)	0	9	0	0	8	0	0	0	75	0	14	0
Lane Group Flow (vph)	208	1128	0	218	976	0	129	713	76	106	1053	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	54.0	47.0		54.0	47.0		32.2	25.2	25.2	31.1	24.9	
Effective Green, g (s)	52.0	47.0		52.0	47.0		30.2	25.3	25.3	30.1	25.0	
Actuated g/C Ratio	0.52	0.47		0.52	0.47		0.30	0.25	0.25	0.30	0.25	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	223	1396		184	1398		154	764	342	149	738	
v/s Ratio Prot	0.06	0.38		c0.07	0.33		c0.05	0.24		0.04	c0.36	
v/s Ratio Perm	0.43			c0.54			0.20		0.06	0.17		
v/c Ratio	0.93	0.81		1.18	0.70		0.84	0.93	0.22	0.71	1.43	
Uniform Delay, d1	19.8	22.6		19.9	20.9		30.1	36.5	29.6	27.7	37.5	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.71	0.59	
Incremental Delay, d2	41.3	5.1		124.9	2.9		39.2	19.8	1.5	11.4	198.9	
Delay (s)	61.1	27.8		144.8	23.8		69.3	56.4	31.0	31.1	221.0	
Level of Service	E	C		F	C		E	E	C	C	F	
Approach Delay (s)		32.9			45.8			54.2			203.8	
Approach LOS		C			D			D			F	

### Intersection Summary

HCM Average Control Delay	83.2	HCM Level of Service	F
HCM Volume to Capacity ratio	1.22		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	16.0
Intersection Capacity Utilization	103.9%	ICU Level of Service	G
Analysis Period (min)	15		
c Critical Lane Group			



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**1**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Sunset Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	140	1	140
	↵↔ Left-Through		0	
	↔ Through	841	2	421
	↔↘ Through-Right		0	
	↘ Right	256	1	37
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	55	1	55
	↵↔ Left-Through		0	
	↔ Through	574	2	287
	↔↘ Through-Right		0	
	↘ Right	190	1	59
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	263	1	263
	↵↔ Left-Through		0	
	↔ Through	1208	2	441
	↔↘ Through-Right		1	
	↘ Right	114	0	114
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	219	1	219
	↵↔ Left-Through		0	
	↔ Through	912	2	321
	↔↘ Through-Right		1	
	↘ Right	50	0	50
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	476
			<i>East-West:</i>	660
			<b>SUM:</b>	1136
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.826
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.726</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**3**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Melrose Avenue  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	71	1	71
	↶↷ Left-Through		0	
	↷ Through	1062	2	409
	↷↶ Through-Right		1	
	↷ Right	166	0	166
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	91	1	91
	↷↶ Left-Through		0	
	↷ Through	771	2	305
	↷↶ Through-Right		1	
	↷ Right	144	0	144
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	205	1	205
	↷↶ Left-Through		0	
	↷ Through	1118	1	611
	↷↶ Through-Right		1	
	↷ Right	103	0	103
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	183	1	183
	↷↶ Left-Through		0	
	↷ Through	672	1	396
	↷↶ Through-Right		1	
	↷ Right	119	0	119
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		500
		<i>East-West:</i>		794
		<b>SUM:</b>		1294
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.908
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.808</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**4**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Beverly Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 3	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	126	1	126
	↶↷ Left-Through		0	
	↷ Through	904	2	452
	↷↶ Through-Right		0	
	↷ Right	265	1	77
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	159	1	159
	↷↶ Left-Through		0	
	↷ Through	861	1	485
	↷↶ Through-Right		1	
	↷ Right	109	0	109
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	89	1	89
	↷↶ Left-Through		0	
	↷ Through	1099	2	550
	↷↶ Through-Right		0	
	↷ Right	120	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	188	1	188
	↷↶ Left-Through		0	
	↷ Through	1002	2	501
	↷↶ Through-Right		0	
	↷ Right	134	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		611
		<i>East-West:</i>		738
		<i>SUM:</i>		1349
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.981
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.881</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #: **5**

PROJECT TITLE: AMPAS  
North-South Street: Crescent Heights Boul East-West Street: 3rd Street  
Scenario: Existing with Project with Mitigation  
Count Date: Analyst: Date:

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	3	0	0
	Left-Through		0	
	Through	912	1	485
	Through-Right		1	
	Right	58	0	58
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	9	0	0
	Left-Through		0	
	Through	683	1	683
	Through-Right		0	
	Right	60	1	60
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	14	0	0
	Left-Through		0	
	Through	1233	1	653
	Through-Right		1	
	Right	72	0	72
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	5	0	0
	Left-Through		0	
	Through	867	1	459
	Through-Right		1	
	Right	50	0	50
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES			North-South:	683
			East-West:	653
			SUM:	1336
VOLUME/CAPACITY (V/C) RATIO:				0.891
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.791
LEVEL OF SERVICE (LOS):				C



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**6**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 3rd Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	68	1	68
	↶↷ Left-Through		0	
	↷ Through	778	2	389
	↷↶ Through-Right		0	
	↷ Right	78	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	196	1	196
	↷↶ Left-Through		0	
	↷ Through	878	1	516
	↷↶ Through-Right		1	
	↷ Right	154	0	154
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	211	1	211
	↷↶ Left-Through		0	
	↷ Through	1103	1	583
	↷↶ Through-Right		1	
	↷ Right	63	0	63
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	158	1	158
	↷↶ Left-Through		0	
	↷ Through	768	2	384
	↷↶ Through-Right		0	
	↷ Right	156	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		585
		<b>East-West:</b>		741
		<b>SUM:</b>		1326
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.964
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.864</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>

## Level of Service Worksheet (Circular 212 Method)



<b>I/S #:</b>
<b>7</b>

**PROJECT TITLE:** AMPAS  
**North-South Street:** Martel Avenue/Hauser Blvd    **East-West Street:** 3rd Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**    **Analyst:**    **Date:**

			WEEKDAY PM PEAK HOUR		
			NB --	SB --	
		No. of Phases	2		
		Opposed Ø'ing: N/S-1, E/W-2 or Both-3?	0		
		Right Turns: FREE-1, NRTOR-2 or OLA-3?	0	0	
		ATSAC-1 or ATSAC+ATCS-2?	2		
		Override Capacity	0		
MOVEMENT			Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵	Left	184	1	184
		Left-Through		0	
	↑	Through	385	1	385
		Through-Right		0	
	↘	Right	133	1	82
		Left-Through-Right		0	
	↙	Left-Right		0	
<b>SOUTHBOUND</b>	↙	Left	30	0	30
		Left-Through		0	
	↓	Through	322	0	378
		Through-Right		0	
	↘	Right	26	0	0
		Left-Through-Right		1	
	↙	Left-Right		0	
<b>EASTBOUND</b>	↙	Left	21	1	21
		Left-Through		0	
	↓	Through	1057	1	620
		Through-Right		1	
	↘	Right	182	0	182
		Left-Through-Right		0	
	↙	Left-Right		0	
<b>WESTBOUND</b>	↙	Left	102	1	102
		Left-Through		0	
	↑	Through	989	1	507
		Through-Right		1	
	↘	Right	24	0	24
		Left-Through-Right		0	
	↙	Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b> 562		
			<b>East-West:</b> 722		
			<b>SUM:</b> 1284		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>			0.856		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>			<b>0.756</b>		
<b>LEVEL OF SERVICE (LOS):</b>			<b>C</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:** 8      **PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue/Alta V      **East-West Street:** 3rd Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		0		
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↷ Left	27	0	27
	↷ Left-Through		0	
	↷ Through	114	0	162
	↷ Through-Right		0	
	↷ Right	21	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↶ Left	93	0	93
	↶ Left-Through		0	
	↶ Through	154	0	361
	↶ Through-Right		0	
	↶ Right	114	0	0
	↶ Left-Through-Right		1	
	↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	59	1	59
	↶ Left-Through		0	
	↶ Through	1167	1	587
	↶ Through-Right		1	
	↶ Right	7	0	7
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	11	1	11
	↷ Left-Through		0	
	↷ Through	969	1	503
	↷ Through-Right		1	
	↷ Right	37	0	37
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		388
		<b>East-West:</b>		598
		<b>SUM:</b>		986
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.657
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.557</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>





### Level of Service Worksheet (Circular 212 Method)



I/S #: 9

PROJECT TITLE: AMPAS  
North-South Street: La Brea Avenue East-West Street: 3rd Street  
Scenario: Existing with Project with Mitigation  
Count Date: Analyst: Date:

		WEEKDAY PM PEAK HOUR		
		No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity	NB --	SB --
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	153	1	153
	Left-Through		0	
	Through	1351	2	477
	Through-Right		1	
	Right	81	0	81
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	78	1	78
	Left-Through		0	
	Through	1203	2	428
	Through-Right		1	
	Right	80	0	80
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	118	1	118
	Left-Through		0	
	Through	1028	2	514
	Through-Right		0	
	Right	152	1	76
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	112	1	112
	Left-Through		0	
	Through	797	1	427
	Through-Right		1	
	Right	57	0	57
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES			<i>North-South:</i>	581
			<i>East-West:</i>	626
			<i>SUM:</i>	1207
VOLUME/CAPACITY (V/C) RATIO:				0.878
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.778</b>
LEVEL OF SERVICE (LOS):				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**10**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Colgate Avenue  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	22	1	22
	↶↷ Left-Through		0	
	↷ Through	1035	1	572
	↷↶ Through-Right		1	
	↷ Right	108	0	108
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	33	1	33
	↷↶ Left-Through		0	
	↷ Through	1151	1	583
	↷↶ Through-Right		1	
	↷ Right	15	0	15
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	13	0	13
	↶↷ Left-Through		0	
	↶ Through	116	0	150
	↶↷ Through-Right		0	
	↶ Right	21	0	0
	↶↷↶ Left-Through-Right		1	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	98	0	98
	↷↶ Left-Through		0	
	↷ Through	32	0	140
	↷↶ Through-Right		0	
	↷ Right	10	0	0
	↷↶↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		605
		<i>East-West:</i>		248
		<i>SUM:</i>		853
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.569
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.469</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>

## Level of Service Worksheet (Circular 212 Method)


**I/S #:**  
12

**PROJECT TITLE:** AMPAS  
**North-South Street:** San Vicente Boulevard    **East-West Street:** 6th Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**    **Analyst:**    **Date:**

		MOVEMENT	WEEKDAY PM PEAK HOUR		
			Volume	No. of Lanes	Lane Volume
		No. of Phases			3
		Opposed Ø'ing: N/S-1, E/W-2 or Both-3?			0
		Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB -- 0	SB --	0
		ATSAC-1 or ATSAC+ATCS-2?	EB -- 0	WB --	3
		Override Capacity			2
					0
		MOVEMENT	Volume	No. of Lanes	Lane Volume
NORTHBOUND	↖	Left	0	0	0
	↗	Left-Through		0	
	→	Through	944	2	337
	↘	Through-Right		1	
	↗	Right	68	0	68
	↖	Left-Through-Right		0	
SOUTHBOUND	↖	Left	367	1	367
	↗	Left-Through		0	
	→	Through	1178	3	393
	↘	Through-Right		0	
	↗	Right	0	0	0
	↖	Left-Through-Right		0	
EASTBOUND	↖	Left	0	0	0
	↗	Left-Through		0	
	→	Through	0	0	0
	↘	Through-Right		0	
	↗	Right	0	0	0
	↖	Left-Through-Right		0	
WESTBOUND	↖	Left	112	0	112
	↗	Left-Through		1	
	→	Through	0	0	112
	↘	Through-Right		0	
	↗	Right	202	1	0
	↖	Left-Through-Right		0	
		<b>CRITICAL VOLUMES</b>			<i>North-South:</i> 704
					<i>East-West:</i> 112
					<b>SUM:</b> 816
		<b>VOLUME/CAPACITY (V/C) RATIO:</b>			0.573
		<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>			<b>0.473</b>
		<b>LEVEL OF SERVICE (LOS):</b>			<b>A</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: 12

PROJECT TITLE: AMPAS  
 North-South Street: Crescent Heights Boulevard East-West Street: 6th Street  
 Scenario: Existing with Project with Mitigation  
 Count Date: Analyst: Date:

		WEEKDAY PM PEAK HOUR		
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0
		NB -- 0 EB -- 0	SB -- WB --	0 0 0 0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	3	0	0
	↵↴ Left-Through	678	1	353
	→ Through	28	1	28
	↴↵ Through-Right	0	0	0
	↴ Right	0	0	0
	↴↵ Left-Through-Right	0	0	0
	↴↵↴ Left-Right	0	0	0
<b>SOUTHBOUND</b>	↵ Left	12	0	0
	↵↴ Left-Through	944	1	496
	→ Through	48	1	48
	↴↵ Through-Right	0	0	0
	↴ Right	0	0	0
	↴↵ Left-Through-Right	0	0	0
	↴↵↴ Left-Right	0	0	0
<b>EASTBOUND</b>	↵ Left	53	0	53
	↵↴ Left-Through	383	0	502
	→ Through	66	0	0
	↴↵ Through-Right	0	0	0
	↴ Right	0	0	0
	↴↵ Left-Through-Right	1	1	1
	↴↵↴ Left-Right	0	0	0
<b>WESTBOUND</b>	↵ Left	83	0	83
	↵↴ Left-Through	311	0	460
	→ Through	66	0	0
	↴↵ Through-Right	0	0	0
	↴ Right	0	0	0
	↴↵ Left-Through-Right	1	1	1
	↴↵↴ Left-Right	0	0	0
<b>CRITICAL VOLUMES</b>		<b>North-South:</b> 496 <b>East-West:</b> 585 <b>SUM:</b> 1081		
VOLUME/CAPACITY (V/C) RATIO:				0.721
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.621</b>
LEVEL OF SERVICE (LOS):				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	26	1	26
	↶↷ Left-Through		0	
	↷ Through	925	2	463
	↷↶ Through-Right		0	
	↷ Right	252	1	252
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	154	1	154
	↷↶ Left-Through		0	
	↷ Through	1116	1	579
	↷↶ Through-Right		1	
	↷ Right	41	0	41
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	20	1	20
	↷↶ Left-Through		0	
	↷ Through	415	0	434
	↷↶ Through-Right		1	
	↷ Right	19	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	184	2	101
	↷↶ Left-Through		0	
	↷ Through	405	1	405
	↷↶ Through-Right		0	
	↷ Right	234	1	157
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		617
		<i>East-West:</i>		535
		<i>SUM:</i>		1152
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.808
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.708</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>

## Level of Service Worksheet (Circular 212 Method)



<b>I/S #:</b>
<b>14</b>

**PROJECT TITLE:** AMPAS  
**North-South Street:** Odgen Drive/Project Dv    **East-West Street:** 6th Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:** \_\_\_\_\_    **Analyst:** \_\_\_\_\_    **Date:** \_\_\_\_\_

		WEEKDAY PM PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	129	0	129
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	119	0	248
	Left-Through-Right		0	
SOUTHBOUND	Left	4	0	4
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	13	0	17
	Left-Through-Right		0	
EASTBOUND	Left	14	1	14
	Left-Through		0	
	Through	779	1	404
	Through-Right		1	
	Right	28	0	28
	Left-Through-Right		0	
WESTBOUND	Left	18	1	18
	Left-Through		0	
	Through	680	1	347
	Through-Right		1	
	Right	13	0	13
	Left-Through-Right		0	
				0
<b>CRITICAL VOLUMES</b>			<b>North-South:</b> 252 <b>East-West:</b> 422 <b>SUM:</b> 674	
VOLUME/CAPACITY (V/C) RATIO:				0.449
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.349
LEVEL OF SERVICE (LOS):				A



## Level of Service Worksheet (Circular 212 Method)



I/S #: 15

PROJECT TITLE: AMPAS  
 North-South Street: Curson Avenue East-West Street: 6th Street  
 Scenario: Existing with Project with Mitigation  
 Count Date: Analyst: Date:

		WEEKDAY PM PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	128	1	128
	↶↷ Left-Through		0	
	↷ Through	101	0	267
	↷↶ Through-Right		1	
	↷ Right	166	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	44	1	44
	↷↶ Left-Through		0	
	↷ Through	55	0	85
	↷↶ Through-Right		1	
	↷ Right	30	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	47	1	47
	↶↷ Left-Through		0	
	↶ Through	829	1	438
	↶↷ Through-Right		1	
	↶ Right	47	0	47
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	70	1	70
	↷↶ Left-Through		0	
	↷ Through	571	1	320
	↷↶ Through-Right		1	
	↷ Right	69	0	69
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		311
		<b>East-West:</b>		508
		<b>SUM:</b>		819
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.546
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.446</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**16**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: 6th Street**  
**Scenario: Existing with Project with Mitigation**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> --	0
		<i>EB</i> -- 0	<i>WB</i> --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	44	1	44
	↶ Left-Through		0	
	↷ Through	472	0	507
	↷ Through-Right		1	
	↷ Right	35	0	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	45	1	45
	↷ Left-Through		0	
	↷ Through	400	1	400
	↷ Through-Right		0	
	↷ Right	69	1	69
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	32	0	0
	↶ Left-Through		0	
	↷ Through	1077	1	573
	↷ Through-Right		1	
	↷ Right	68	0	68
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	5	0	0
	↶ Left-Through		0	
	↷ Through	613	1	335
	↷ Through-Right		1	
	↷ Right	56	0	56
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	552
			<i>East-West:</i>	573
			<i>SUM:</i>	1125
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.750
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.650</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Burnside Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> -- 0	0
		<i>EB</i> -- 0	<i>WB</i> -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	17	0	17
	↙↔ Left-Through		0	
	↔ Through	109	0	167
	↔↘ Through-Right		0	
	↘ Right	41	0	0
	↙↔↘ Left-Through-Right		1	
	↙↘ Left-Right		0	
<b>SOUTHBOUND</b>	↘ Left	52	0	52
	↘↔ Left-Through		1	
	↔ Through	43	0	95
	↔↙ Through-Right		0	
	↙ Right	17	1	17
	↘↔↙ Left-Through-Right		0	
	↘↙ Left-Right		0	
<b>EASTBOUND</b>	↘ Left	77	0	77
	↘↔ Left-Through		1	
	↔ Through	1088	0	709
	↔↙ Through-Right		1	
	↙ Right	22	0	709
	↘↔↙ Left-Through-Right		0	
	↘↙ Left-Right		0	
<b>WESTBOUND</b>	↙ Left	36	0	36
	↙↔ Left-Through		1	
	↔ Through	657	0	497
	↔↘ Through-Right		1	
	↘ Right	121	0	497
	↙↔↘ Left-Through-Right		0	
	↙↘ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		219
		<i>East-West:</i>		745
		<b>SUM:</b>		964
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.643		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.543</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>		



## Level of Service Worksheet (Circular 212 Method)



I/S #: 18

PROJECT TITLE: AMPAS  
 North-South Street: Cochran Avenue East-West Street: 6th Street  
 Scenario: Existing with Project with Mitigation  
 Count Date: Analyst: Date:

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0
		NB -- 0 EB -- 0	SB -- WB --	
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	31	0	31
	Left-Through		0	
	Through	253	0	335
	Through-Right		0	
	Right	51	0	0
	Left-Through-Right		1	
	Left-Right		0	
SOUTHBOUND	Left	10	0	10
	Left-Through		0	
	Through	148	0	195
	Through-Right		0	
	Right	37	0	0
	Left-Through-Right		1	
	Left-Right		0	
EASTBOUND	Left	137	0	137
	Left-Through		1	
	Through	997	0	810
	Through-Right		1	
	Right	75	0	810
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	34	0	34
	Left-Through		1	
	Through	727	0	487
	Through-Right		1	
	Right	42	0	487
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES			North-South: East-West: SUM:	345 844 1189
VOLUME/CAPACITY (V/C) RATIO:				0.793
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.693</b>
LEVEL OF SERVICE (LOS):				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**19**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue **East-West Street:** 6th Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	67	1	67
	↶↷ Left-Through		0	
	↷ Through	1493	2	516
	↷↶ Through-Right		1	
	↷ Right	54	0	54
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	66	1	66
	↷↶ Left-Through		0	
	↷ Through	1358	2	476
	↷↶ Through-Right		1	
	↷ Right	71	0	71
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	4	0	0
	↷↶ Left-Through		0	
	↷ Through	960	1	509
	↷↶ Through-Right		1	
	↷ Right	57	0	57
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	0	0	0
	↷↶ Left-Through		0	
	↷ Through	674	1	378
	↷↶ Through-Right		1	
	↷ Right	81	0	81
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		North-South:		582
		East-West:		509
		SUM:		1091
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.727
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.627</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: **21**

PROJECT TITLE: AMPAS  
North-South Street: San Vicente Boulevard East-West Street: Wilshire Boulevard  
Scenario: Existing with Project with Mitigation  
Count Date: Analyst: Date:

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	255	2	140
	Left-Through		0	
	Through	688	2	242
	Through-Right		1	
	Right	39	0	39
	Left-Through-Right		0	
SOUTHBOUND	Left	221	2	122
	Left-Through		0	
	Through	1036	3	345
	Through-Right		0	
	Right	115	0	0
	Left-Through-Right		0	
EASTBOUND	Left	69	1	69
	Left-Through		0	
	Through	1433	2	557
	Through-Right		1	
	Right	239	0	239
	Left-Through-Right		0	
WESTBOUND	Left	52	1	52
	Left-Through		0	
	Through	910	2	387
	Through-Right		1	
	Right	252	0	252
	Left-Through-Right		0	
Left-Right		0		
CRITICAL VOLUMES		North-South:		485
		East-West:		609
		SUM:		1094
VOLUME/CAPACITY (V/C) RATIO:				0.796
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.696
LEVEL OF SERVICE (LOS):				<b>B</b>

## Level of Service Worksheet (Circular 212 Method)



I/S #: 22

PROJECT TITLE: AMPAS

North-South Street: Crescent Heights Boulevard East-West Street: Wilshire Boulevard

Scenario: Existing with Project with Mitigation

Count Date:

Analyst:

Date:

		WEEKDAY PM PEAK HOUR		
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity		2		
		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	0	0	0
	Left-Through		0	
	Through	685	1	399
	Through-Right		1	
	Right	113	0	113
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	101	0	101
	Left-Through		1	
	Through	637	0	561
	Through-Right		1	
	Right	80	0	561
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	133	1	133
	Left-Through		0	
	Through	1432	2	527
	Through-Right		1	
	Right	149	0	149
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	91	1	91
	Left-Through		0	
	Through	1036	2	388
	Through-Right		1	
	Right	127	0	127
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		North-South:		561
		East-West:		618
		SUM:		1179
VOLUME/CAPACITY (V/C) RATIO:		0.786		
V/C LESS ATSAC/ATCS ADJUSTMENT:		0.686		
LEVEL OF SERVICE (LOS):		B		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**23**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	3
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	82	1	82
	↶↷ Left-Through		0	
	↷ Through	768	1	406
	↷↶ Through-Right		1	
	↷ Right	44	0	44
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	190	1	190
	↷↶ Left-Through		0	
	↷ Through	953	2	477
	↷↶ Through-Right		0	
	↷ Right	182	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	259	1	259
	↷↶ Left-Through		0	
	↷ Through	1306	2	464
	↷↶ Through-Right		1	
	↷ Right	85	0	85
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	79	1	79
	↷↶ Left-Through		0	
	↷ Through	942	2	362
	↷↶ Through-Right		1	
	↷ Right	145	0	145
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		596
		<b>East-West:</b>		621
		<b>SUM:</b>		1217
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.885
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.785</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



### Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**24**

**PROJECT TITLE: AMPAS**  
**North-South Street: Spaulding Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Existing with Project with Mitigation**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	80	0	80
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	65	0	145
	Left-Through-Right		0	
	Left-Right		1	
SOUTHBOUND	Left	0	0	0
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	0	0	0
	Left-Through		0	
	Through	1388	2	493
	Through-Right		1	
	Right	91	0	91
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	39	1	39
	Left-Through		0	
	Through	1050	3	350
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES			<i>North-South:</i>	145
			<i>East-West:</i>	532
			<b>SUM:</b>	677
VOLUME/CAPACITY (V/C) RATIO:				0.451
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.351</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



## Level of Service Workheet (Circular 212 Method)



**I/S #:**  
**25**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	51	0	51
	↶ Left-Through		0	
	↷ Through	181	0	331
	↷ Through-Right		0	
	↷ Right	99	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	82	0	82
	↷ Left-Through		0	
	↷ Through	218	0	374
	↷ Through-Right		0	
	↷ Right	74	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	132	1	132
	↶ Left-Through		0	
	↷ Through	1235	2	426
	↷ Through-Right		1	
	↷ Right	43	0	43
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	39	1	39
	↶ Left-Through		0	
	↷ Through	957	2	322
	↷ Through-Right		1	
	↷ Right	8	0	8
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 425
				<i>East-West:</i> 465
				<b>SUM:</b> 890
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.593
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.493</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>





# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**26**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Hauser Boulevard      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**    **Analyst:**    **Date:**

MOVEMENT		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	46	1	46
	Left-Through		0	
	Through	478	1	478
	Through-Right		0	
	Right	170	1	128
	Left-Through-Right		0	
SOUTHBOUND	Left	63	1	63
	Left-Through		0	
	Through	419	0	449
	Through-Right		1	
	Right	30	0	0
	Left-Through-Right		0	
EASTBOUND	Left	70	1	70
	Left-Through		0	
	Through	1203	2	451
	Through-Right		1	
	Right	150	0	150
	Left-Through-Right		0	
WESTBOUND	Left	84	1	84
	Left-Through		0	
	Through	906	2	324
	Through-Right		1	
	Right	66	0	66
	Left-Through-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		541
		<i>East-West:</i>		535
		<i>SUM:</i>		1076
VOLUME/CAPACITY (V/C) RATIO:		0.717		
V/C LESS ATSAC/ATCS ADJUSTMENT:		<b>0.617</b>		
LEVEL OF SERVICE (LOS):		<b>B</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
27

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	36	0	36
	Left-Through		0	
	Through	183	0	261
	Through-Right		0	
	Right	42	0	0
	Left-Through-Right		1	
	Left-Right		0	
SOUTHBOUND	Left	51	0	51
	Left-Through		0	
	Through	292	0	481
	Through-Right		0	
	Right	138	0	0
	Left-Through-Right		1	
	Left-Right		0	
EASTBOUND	Left	57	1	57
	Left-Through		0	
	Through	1087	2	376
	Through-Right		1	
	Right	41	0	41
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	38	1	38
	Left-Through		0	
	Through	993	2	374
	Through-Right		1	
	Right	130	0	130
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		517
		<i>East-West:</i>		431
		<i>SUM:</i>		948
VOLUME/CAPACITY (V/C) RATIO:				0.632
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.532</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**28**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

MOVEMENT		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
		<b>No. of Phases</b>		4
		<b>Opposed Ø'ing: N/S-1, E/W-2 or Both-3?</b>		0
		<b>Right Turns: FREE-1, NRTOR-2 or OLA-3?</b>		0
		<b>ATSAC-1 or ATSAC+ATCS-2?</b>		2
		<b>Override Capacity</b>		0
		<b>NB --</b>		0
		<b>SB --</b>		0
		<b>EB --</b>		0
		<b>WB --</b>		0
MOVEMENT				
NORTHBOUND		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↯	Left	1	122
	↯	Left-Through	0	
	→	Through	2	472
	↘	Through-Right	1	
	↘	Right	0	77
	↘	Left-Through-Right	0	
	↘	Left-Right	0	
MOVEMENT				
SOUTHBOUND	↯	Left	1	119
	↯	Left-Through	0	
	→	Through	2	428
	↘	Through-Right	1	
	↘	Right	0	119
	↘	Left-Through-Right	0	
	↘	Left-Right	0	
MOVEMENT				
EASTBOUND	↯	Left	1	165
	↯	Left-Through	0	
	→	Through	2	374
	↘	Through-Right	1	
	↘	Right	0	88
	↘	Left-Through-Right	0	
	↘	Left-Right	0	
MOVEMENT				
WESTBOUND	↯	Left	1	224
	↯	Left-Through	0	
	→	Through	2	312
	↘	Through-Right	1	
	↘	Right	0	120
	↘	Left-Through-Right	0	
	↘	Left-Right	0	
CRITICAL VOLUMES				
				North-South: 591
				East-West: 598
				SUM: 1189
VOLUME/CAPACITY (V/C) RATIO:				
				0.865
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.765</b>
LEVEL OF SERVICE (LOS):				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**29**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 8th Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	797	1	429
	↷↶ Through-Right		1	
	↷ Right	61	0	61
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	263	1	263
	↷↶ Left-Through		0	
	↷ Through	950	2	475
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	2	0	2
	↷↶ Left-Through		0	
	↷ Through	121	0	124
	↷↶ Through-Right		0	
	↷ Right	1	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	120	1	70
	↷↶ Left-Through		0	
	↷ Through	0	0	0
	↷↶ Through-Right		0	
	↷ Right	90	1	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		1	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		692
		<i>East-West:</i>		194
		<b>SUM:</b>		886
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.622
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.522</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	50	0	50
	↶↷ Left-Through		1	
	↷ Through	559	0	394
	↷↶ Through-Right		1	
	↷ Right	29	0	394
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	86	0	86
	↷↶ Left-Through		1	
	↷ Through	722	1	447
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	139	1	139
	↷↶ Left-Through		0	
	↷ Through	999	2	373
	↷↶ Through-Right		1	
	↷ Right	120	0	120
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	26	1	26
	↷↶ Left-Through		0	
	↷ Through	657	2	266
	↷↶ Through-Right		1	
	↷ Right	140	0	140
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		497
		<b>East-West:</b>		405
		<b>SUM:</b>		902
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.601
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.501</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**31**

**PROJECT TITLE: AMPAS**  
**North-South Street: Carillo Drive/Crescent Pl East-West Street: Olympic Boulevard**  
**Scenario: Existing with Project with Mitigation**  
**Count Date: Analyst: Date:**

		WEEKDAY PM PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> --	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB</i> -- 0	<i>WB</i> --	2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↵ Left	119	0	0
	↵↔ Left-Through		0	
	→ Through	412	1	412
	↘ Through-Right		0	
	→ Right	48	1	30
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
SOUTHBOUND	↵ Left	0	0	0
	↵↔ Left-Through		0	
	→ Through	646	0	446
	↘ Through-Right		1	
	→ Right	246	1	0
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
EASTBOUND	↵ Left	125	1	125
	↵↔ Left-Through		0	
	→ Through	1870	2	628
	↘ Through-Right		1	
	→ Right	14	0	14
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
WESTBOUND	↵ Left	37	1	37
	↵↔ Left-Through		0	
	→ Through	1235	2	412
	↘ Through-Right		1	
	→ Right	2	0	2
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		446
		<i>East-West:</i>		665
		<i>SUM:</i>		1111
VOLUME/CAPACITY (V/C) RATIO:				0.741
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.641</b>
LEVEL OF SERVICE (LOS):				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	646	2	323
	↷↶ Through-Right		0	
	↷ Right	2	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	113	1	113
	↷↶ Left-Through		0	
	↷ Through	1062	1	549
	↷↶ Through-Right		1	
	↷ Right	35	0	35
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	26	1	26
	↶↷ Left-Through		0	
	↶ Through	955	4	239
	↶↶ Through-Right		0	
	↶ Right	65	1	65
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	0	0	0
	↷↶ Left-Through		0	
	↷ Through	674	2	283
	↷↶ Through-Right		1	
	↷ Right	176	0	176
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		549
		<b>East-West:</b>		309
		<b>SUM:</b>		858
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.602
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.502</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**33**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	24	1	24
	↶↷ Left-Through		0	
	↷ Through	532	1	289
	↷↶ Through-Right		1	
	↷ Right	45	0	45
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	2	0	0
	↷↶ Left-Through		0	
	↷ Through	858	1	545
	↷↶ Through-Right		1	
	↷ Right	232	0	232
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	96	1	96
	↶↷ Left-Through		0	
	↶ Through	1818	2	609
	↶↷ Through-Right		1	
	↶ Right	8	0	8
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	48	1	48
	↷↶ Left-Through		0	
	↷ Through	1090	3	363
	↷↶ Through-Right		0	
	↷ Right	12	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	569
			<b>East-West:</b>	657
			<b>SUM:</b>	1226
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.860
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.760</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>





## Level of Service Worksheet (Circular 212 Method)



I/S #: 34

**PROJECT TITLE:** AMPAS  
**North-South Street:** San Vicente Boulevard **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				3
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	102	1	102
	Left-Through		0	
	Through	686	2	230
	Through-Right		1	
	Right	5	0	5
	Left-Through-Right		0	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	3	0	0
	Left-Through		0	
	Through	1228	4	307
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>EASTBOUND</b>	Left	0	0	0
	Left-Through		0	
	Through	1616	2	644
	Through-Right		1	
	Right	315	0	315
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	0	0	0
	Left-Through		0	
	Through	1070	2	446
	Through-Right		1	
	Right	268	0	268
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		409
		<b>East-West:</b>		644
		<b>SUM:</b>		1053
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.739		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.639</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>B</b>		

## Level of Service Worksheet (Circular 212 Method)


**I/S #:**  
35
**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**
**East-West Street: Olympic Boulevard**
**Scenario: Existing with Project with Mitigation**
**Count Date:**
**Analyst:**
**Date:**

MOVEMENT		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
Override Capacity				0
MOVEMENT		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	6	0	6
	Left-Through		0	
	Through	79	0	142
	Through-Right		0	
	Right	57	0	0
	Left-Through-Right		1	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	109	0	109
	Left-Through		0	
	Through	274	0	454
	Through-Right		0	
	Right	71	0	0
	Left-Through-Right		1	
	Left-Right		0	
<b>EASTBOUND</b>	Left	51	1	51
	Left-Through		0	
	Through	1587	2	536
	Through-Right		1	
	Right	22	0	22
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	59	1	59
	Left-Through		0	
	Through	1215	2	417
	Through-Right		1	
	Right	37	0	37
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		460
		<i>East-West:</i>		595
		<i>SUM:</i>		1055
VOLUME/CAPACITY (V/C) RATIO:				0.703
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.603</b>
LEVEL OF SERVICE (LOS):				<b>B</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**36**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: Olympic Boulevard**  
**Scenario: Existing with Project with Mitigation**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	31	1	31
	↶↷ Left-Through		0	
	↷ Through	511	0	599
	↷↶ Through-Right		1	
	↷ Right	88	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	107	1	107
	↷↶ Left-Through		0	
	↷ Through	591	0	666
	↷↶ Through-Right		1	
	↷ Right	75	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	87	1	87
	↶↷ Left-Through		0	
	↶ Through	1653	2	567
	↶↷ Through-Right		1	
	↶ Right	47	0	47
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	49	1	49
	↷↶ Left-Through		0	
	↷ Through	1197	2	441
	↷↶ Through-Right		1	
	↷ Right	125	0	125
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		706
		<b>East-West:</b>		616
		<b>SUM:</b>		1322
VOLUME/CAPACITY (V/C) RATIO:				0.881
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.781</b>
LEVEL OF SERVICE (LOS):				<b>C</b>



Level of Service Worksheet  
(Circular 212 Method)



I/S #: 37

PROJECT TITLE: AMPAS

North-South Street: Cochran Avenue

East-West Street: Olympic Boulevard

Scenario: Existing with Project with Mitigation

Count Date:

Analyst:

Date:

		WEEKDAY PM PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	6	0	6
	Left-Through		0	
	Through	40	0	55
	Through-Right		0	
	Right	9	0	0
	Left-Through-Right		1	
	Left-Right		0	
SOUTHBOUND	Left	77	0	77
	Left-Through		0	
	Through	286	0	423
	Through-Right		0	
	Right	60	0	0
	Left-Through-Right		1	
	Left-Right		0	
EASTBOUND	Left	66	1	66
	Left-Through		0	
	Through	1664	2	565
	Through-Right		1	
	Right	30	0	30
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	60	1	60
	Left-Through		0	
	Through	1272	2	438
	Through-Right		1	
	Right	43	0	43
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		429
		<i>East-West:</i>		625
		<i>SUM:</i>		1054
VOLUME/CAPACITY (V/C) RATIO:				0.703
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.603</b>
LEVEL OF SERVICE (LOS):				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**38**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Pico Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	136	1	136
	↶↷ Left-Through		0	
	↷ Through	589	2	295
	↷↶ Through-Right		0	
	↷ Right	138	1	98
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	75	1	75
	↷↷ Left-Through		0	
	↷ Through	676	2	338
	↷↶ Through-Right		0	
	↷ Right	29	1	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	71	1	71
	↷↷ Left-Through		0	
	↷ Through	1236	1	665
	↷↶ Through-Right		1	
	↷ Right	93	0	93
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	81	1	81
	↶↷ Left-Through		0	
	↶ Through	631	1	323
	↶↶ Through-Right		1	
	↶ Right	15	0	15
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		474
		<i>East-West:</i>		746
		<b>SUM:</b>		1220
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.856
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.756</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>

EXISTING WITH PROJECT WITH MITIGATION CONDITIONS

**AMPAS Museum**

Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

**WEEKDAY PM PEAK HOUR**

Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	118	0.000	N/S 1: 0.386 *
	Through	3.00	4,800	1,092	0.265	N/S 2: 0.383
	Left	1.00	1,600	137	0.090 *	E/W 1: 0.425 *
Westbound	Right	0.00	0	85	0.000	E/W 2: 0.332
	Through	3.00	4,800	972	0.232	V/C Ratio: 0.811
	Left	1.00	1,600	196	0.129 *	Loss Time: 0.100
Northbound	Right	0.00	0	146	0.000	ITS: 0.000
	Through	3.00	4,800	1,202	0.296 *	
	Left	1.00	1,600	180	0.118	
Eastbound	Right	0.00	0	162	0.000	ICU: 0.911
	Through	3.00	4,800	1,186	0.296 *	
	Left	1.00	1,600	152	0.100	LOS: E

\* Critical Movement

# HCM Signalized Intersection Capacity Analysis

## 43: Santa Monica Blvd & Fairfax Ave

8/15/2013



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	273	1092	74	169	762	101	117	890	232	74	732	107
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Frt	1.00	0.99		1.00	0.98		1.00	1.00	0.85	1.00	0.98	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2989		1509	2965		1509	3018	1350	1509	2960	
Flt Permitted	0.21	1.00		0.10	1.00		0.15	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	329	2989		154	2965		243	3018	1350	253	2960	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	287	1149	78	178	802	106	123	937	244	78	771	113
RTOR Reduction (vph)	0	5	0	0	10	0	0	0	90	0	11	0
Lane Group Flow (vph)	287	1222	0	178	898	0	123	937	154	78	873	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	53.3	46.3		53.3	46.3		34.1	27.1	27.1	30.6	25.6	
Effective Green, g (s)	51.3	46.3		51.3	46.3		32.1	27.2	27.2	29.6	25.7	
Actuated g/C Ratio	0.51	0.46		0.51	0.46		0.32	0.27	0.27	0.30	0.26	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	240	1384		160	1373		154	821	367	131	761	
v/s Ratio Prot	c0.07	0.41		0.07	0.30		c0.05	c0.31		0.03	0.29	
v/s Ratio Perm	c0.54			0.50			0.21		0.11	0.15		
v/c Ratio	1.20	0.88		1.11	0.65		0.80	1.14	0.42	0.60	1.15	
Uniform Delay, d1	22.5	24.4		20.2	20.7		27.8	36.4	29.9	28.5	37.1	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.65	0.59	
Incremental Delay, d2	121.4	8.5		104.5	2.4		33.8	78.0	3.5	4.3	79.9	
Delay (s)	143.9	32.9		124.7	23.1		61.6	114.4	33.4	22.9	101.7	
Level of Service	F	C		F	C		E	F	C	C	F	
Approach Delay (s)		53.9			39.8			94.3			95.3	
Approach LOS		D			D			F			F	

### Intersection Summary

HCM Average Control Delay	69.8	HCM Level of Service	E
HCM Volume to Capacity ratio	1.11		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	97.8%	ICU Level of Service	F
Analysis Period (min)	15		
c Critical Lane Group			



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**1**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Sunset Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	151	1	151
	↵↔ Left-Through		0	
	→ Through	519	2	260
	↘ Through-Right		0	
	↘ Right	271	1	42
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	70	1	70
	↵↔ Left-Through		0	
	→ Through	568	2	284
	↘ Through-Right		0	
	↘ Right	211	1	129
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	165	1	165
	↵↔ Left-Through		0	
	→ Through	1105	2	553
	↘ Through-Right		0	
	↘ Right	142	1	67
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	229	1	229
	↵↔ Left-Through		0	
	→ Through	1038	2	519
	↘ Through-Right		0	
	↘ Right	45	1	10
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		435
		<i>East-West:</i>		782
		<i>SUM:</i>		1217
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.885
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.785</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**3**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Melrose Avenue  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	83	1	83
	↶ Left-Through		0	
	↷ Through	768	2	312
	↷ Through-Right		1	
	↷ Right	168	0	168
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	94	1	94
	↷ Left-Through		0	
	↶ Through	761	2	305
	↶ Through-Right		1	
	↶ Right	154	0	154
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	157	1	157
	↶ Left-Through		0	
	↷ Through	821	1	473
	↷ Through-Right		1	
	↷ Right	125	0	125
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	243	1	243
	↶ Left-Through		0	
	↷ Through	772	1	447
	↷ Through-Right		1	
	↷ Right	122	0	122
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		406
		<i>East-West:</i>		716
		<i>SUM:</i>		1122
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.787
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.687</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**4**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Beverly Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 3	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	165	1	165
	↶↷ Left-Through		0	
	↷ Through	762	2	381
	↷↶ Through-Right		0	
	↷ Right	194	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	135	1	135
	↷↶ Left-Through		0	
	↷ Through	928	1	534
	↷↶ Through-Right		1	
	↷ Right	140	0	140
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	100	1	100
	↶↷ Left-Through		0	
	↷ Through	986	2	493
	↷↶ Through-Right		0	
	↷ Right	142	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	196	1	196
	↶↷ Left-Through		0	
	↷ Through	888	2	444
	↷↶ Through-Right		0	
	↷ Right	123	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		699
		<b>East-West:</b>		689
		<b>SUM:</b>		1388
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.009
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.909</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>E</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**5**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boulc **East-West Street:** 3rd Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:** **Analyst:** **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	47	0	47
	↶↷ Left-Through		1	
	↷ Through	511	0	558
	↷↶ Through-Right		0	
	↷ Right	47	1	47
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	53	0	53
	↷↷ Left-Through		1	
	↷ Through	567	0	620
	↷↶ Through-Right		0	
	↷ Right	83	1	83
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	59	0	59
	↷↷ Left-Through		1	
	↷ Through	899	0	615
	↷↶ Through-Right		1	
	↷ Right	94	0	615
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	59	0	59
	↷↷ Left-Through		1	
	↷ Through	834	0	562
	↷↶ Through-Right		1	
	↷ Right	54	0	562
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		667
		<b>East-West:</b>		674
		<b>SUM:</b>		1341
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.894
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.794</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**6**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 3rd Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> --	0
		<i>EB</i> -- 0	<i>WB</i> --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	85	1	85
	↵↔ Left-Through		0	
	↔ Through	865	2	433
	↔↘ Through-Right		0	
	↘ Right	137	1	49
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	195	1	195
	↵↔ Left-Through		0	
	↔ Through	917	1	547
	↔↘ Through-Right		1	
	↘ Right	176	0	176
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	184	1	184
	↵↔ Left-Through		0	
	↔ Through	792	1	444
	↔↘ Through-Right		1	
	↘ Right	96	0	96
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	177	1	177
	↵↔ Left-Through		0	
	↔ Through	724	2	362
	↔↘ Through-Right		0	
	↘ Right	195	1	0
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		632
		<i>East-West:</i>		621
		<i>SUM:</i>		1253
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.911
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.811</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**7**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Martel Avenue/Hauser Blvd **East-West Street:** 3rd Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:** **Analyst:** **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	206	1	206
	↶↷ Left-Through		0	
	↷ Through	312	1	312
	↷↶ Through-Right		0	
	↷ Right	123	1	72
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	19	0	19
	↷↷ Left-Through		0	
	↷ Through	305	0	374
	↷↶ Through-Right		0	
	↷ Right	50	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	39	1	39
	↷↷ Left-Through		0	
	↷ Through	934	1	560
	↷↶ Through-Right		1	
	↷ Right	186	0	186
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	102	1	102
	↶↷ Left-Through		0	
	↶ Through	1050	1	539
	↶↶ Through-Right		1	
	↶ Right	28	0	28
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		580
		<b>East-West:</b>		662
		<b>SUM:</b>		1242
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.828
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.728</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



<b>I/S #:</b>	<b>PROJECT TITLE:</b> AMPAS		
<b>8</b>	<b>North-South Street:</b> Cochran Avenue/Alta V	<b>East-West Street:</b> 3rd Street	
	<b>Scenario:</b> Existing with Project with Mitigation		
	<b>Count Date:</b>	<b>Analyst:</b>	<b>Date:</b>

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	79	0	79
	↶ Left-Through		0	
	↷ Through	149	0	304
	↷ Through-Right		0	
	↷ Right	76	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	15	0	15
	↷ Left-Through		0	
	↶ Through	99	0	144
	↶ Through-Right		0	
	↶ Right	30	0	0
	↶ Left-Through-Right		1	
	↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	21	1	21
	↶ Left-Through		0	
	↷ Through	997	1	512
	↷ Through-Right		1	
	↷ Right	26	0	26
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	58	1	58
	↶ Left-Through		0	
	↷ Through	1054	1	542
	↷ Through-Right		1	
	↷ Right	30	0	30
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		319
		<i>East-West:</i>		570
		<b>SUM:</b>		889
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.593
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.493</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:** 9     
 **PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue     
 **East-West Street:** 3rd Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**     
 **Analyst:**     
 **Date:**

MOVEMENT		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				4 0 0 0 2 0
		NB -- 0 EB -- 0	SB -- WB --	
<b>NORTHBOUND</b>	↶ Left ↶↷ Left-Through ↷ Through ↷↶ Through-Right ↷ Right ↷↶ Left-Through-Right ↷↶↷ Left-Right	157  1013  91	1 0 1 1 0 0 0	157  552  91
<b>SOUTHBOUND</b>	↷ Left ↷↶ Left-Through ↷↶ Through ↷↶↶ Through-Right ↷↶ Right ↷↶↶ Left-Through-Right ↷↶↶ Left-Right	85  1020  118	1 0 1 1 0 0 0	85  569  118
<b>EASTBOUND</b>	↶ Left ↶↷ Left-Through ↷ Through ↷↶ Through-Right ↷ Right ↷↶ Left-Through-Right ↷↶ Left-Right	120  756  157	1 0 2 0 1 0 0	120  378  79
<b>WESTBOUND</b>	↷ Left ↷↶ Left-Through ↷↶ Through ↷↶↶ Through-Right ↷↶ Right ↷↶↶ Left-Through-Right ↷↶↶ Left-Right	118  860  78	1 0 1 1 0 0 0	118  469  78
<b>CRITICAL VOLUMES</b>				North-South: 726 East-West: 589 SUM: 1315
VOLUME/CAPACITY (V/C) RATIO: V/C LESS ATSAC/ATCS ADJUSTMENT: LEVEL OF SERVICE (LOS):				0.956 0.856 D



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**10**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Colgate Avenue  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	22	1	22
	↶↷ Left-Through		0	
	↷ Through	1103	1	591
	↷↶ Through-Right		1	
	↷ Right	79	0	79
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	30	1	30
	↷↶ Left-Through		0	
	↷ Through	1121	1	570
	↷↶ Through-Right		1	
	↷ Right	19	0	19
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	11	0	11
	↷↶ Left-Through		0	
	↷ Through	31	0	66
	↷↶ Through-Right		0	
	↷ Right	24	0	0
	↷↶↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	116	0	116
	↷↶ Left-Through		0	
	↷ Through	25	0	160
	↷↶ Through-Right		0	
	↷ Right	19	0	0
	↷↶↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		621
		<i>East-West:</i>		182
		<i>SUM:</i>		803
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.535
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.435</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>







## Level of Service Worksheet (Circular 212 Method)



<b>I/S #:</b> 12	<b>PROJECT TITLE:</b> AMPAS
<b>North-South Street:</b> Crescent Heights Boulc	
<b>East-West Street:</b> 6th Street	
<b>Scenario:</b> Existing with Project with Mitigation	
<b>Count Date:</b>	<b>Analyst:</b>
<b>Date:</b>	

MOVEMENT		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↯ Left	13	0	13
	↯↻ Left-Through		1	
	↯↻ Through	680	0	400
	↯↻ Through-Right		1	
	↯↻ Right	67	0	400
	↯↻ Left-Through-Right		0	
	↯↻ Left-Right		0	
<b>SOUTHBOUND</b>	↻ Left	51	0	51
	↻↯ Left-Through		1	
	↻↯ Through	654	0	446
	↻↯ Through-Right		1	
	↻↯ Right	33	0	446
	↻↯ Left-Through-Right		0	
	↻↯ Left-Right		0	
<b>EASTBOUND</b>	↻ Left	37	0	37
	↻↯ Left-Through		0	
	↻↯ Through	260	0	325
	↻↯ Through-Right		0	
	↻↯ Right	28	0	0
	↻↯ Left-Through-Right		1	
	↻↯ Left-Right		0	
<b>WESTBOUND</b>	↻ Left	63	0	63
	↻↯ Left-Through		0	
	↻↯ Through	244	0	357
	↻↯ Through-Right		0	
	↻↯ Right	50	0	0
	↻↯ Left-Through-Right		1	
	↻↯ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	459
			<b>East-West:</b>	394
			<b>SUM:</b>	853
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.569
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				0.469
<b>LEVEL OF SERVICE (LOS):</b>				A



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	19	1	19
	↶ Left-Through		0	
	↷ Through	945	2	473
	↷ Through-Right		0	
	↷ Right	192	1	192
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	148	1	148
	↷ Left-Through		0	
	↷ Through	1071	1	558
	↷ Through-Right		1	
	↷ Right	44	0	44
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	42	1	42
	↶ Left-Through		0	
	↷ Through	345	0	367
	↷ Through-Right		1	
	↷ Right	22	0	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	155	2	85
	↶ Left-Through		0	
	↷ Through	334	1	334
	↷ Through-Right		0	
	↷ Right	215	1	141
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	621
			<i>East-West:</i>	452
			<i>SUM:</i>	1073
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.753
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.653</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> --	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB</i> -- 0	<i>WB</i> --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	89	1	89
	↵↻ Left-Through		0	
	↻↻ Through	48	0	184
	↻↻↵ Through-Right		1	
	↻↻↵ Right	136	0	0
	↻↻↵↻ Left-Through-Right		0	
↻↻↵↻ Left-Right		0		
<b>SOUTHBOUND</b>	↵ Left	34	1	34
	↵↻ Left-Through		0	
	↻↻ Through	46	0	79
	↻↻↵ Through-Right		1	
	↻↻↵ Right	33	0	0
	↻↻↵↻ Left-Through-Right		0	
↻↻↵↻ Left-Right		0		
<b>EASTBOUND</b>	↵ Left	36	1	36
	↵↻ Left-Through		0	
	↻↻ Through	531	1	294
	↻↻↵ Through-Right		1	
	↻↻↵ Right	57	0	57
	↻↻↵↻ Left-Through-Right		0	
↻↻↵↻ Left-Right		0		
<b>WESTBOUND</b>	↵ Left	75	1	75
	↵↻ Left-Through		0	
	↻↻ Through	570	1	309
	↻↻↵ Through-Right		1	
	↻↻↵ Right	48	0	48
	↻↻↵↻ Left-Through-Right		0	
↻↻↵↻ Left-Right		0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		218
		<i>East-West:</i>		369
		<i>SUM:</i>		587
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.391
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.291</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**16**

**PROJECT TITLE: AMPAS**

**North-South Street: Hauser Boulevard**

**East-West Street: 6th Street**

**Scenario: Existing with Project with Mitigation**

**Count Date:**

**Analyst:**

**Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<b>NB --</b> 0	<b>SB --</b>	0
		<b>EB --</b> 0	<b>WB --</b>	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	63	1	63
	↙ Left-Through		0	
	→ Through	403	0	427
	↘ Through-Right		1	
	→ Right	24	0	0
	↘ Left-Through-Right		0	
	↙ Left-Right		0	
<b>SOUTHBOUND</b>	↘ Left	56	1	56
	↘ Left-Through		0	
	→ Through	387	1	387
	↘ Through-Right		0	
	→ Right	101	1	101
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
<b>EASTBOUND</b>	↘ Left	90	0	90
	↘ Left-Through		1	
	→ Through	603	0	417
	↘ Through-Right		1	
	→ Right	51	0	417
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
<b>WESTBOUND</b>	↘ Left	23	0	23
	↘ Left-Through		1	
	→ Through	523	0	324
	↘ Through-Right		1	
	→ Right	33	0	324
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
CRITICAL VOLUMES			<b>North-South:</b>	483
			<b>East-West:</b>	440
			<b>SUM:</b>	923
VOLUME/CAPACITY (V/C) RATIO:				0.615
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.515
LEVEL OF SERVICE (LOS):				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE: AMPAS**  
**North-South Street: Burnside Avenue**      **East-West Street: 6th Street**  
**Scenario: Existing with Project with Mitigation**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	11	0	11
	↶ Left-Through		0	
	↷ Through	47	0	89
	↷ Through-Right		0	
	↷ Right	31	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	57	0	57
	↷ Left-Through		1	
	↷ Through	41	0	98
	↷ Through-Right		0	
	↷ Right	12	1	12
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	13	0	13
	↷ Left-Through		1	
	↷ Through	670	0	374
	↷ Through-Right		1	
	↷ Right	25	0	374
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	23	0	23
	↶ Left-Through		1	
	↶ Through	553	0	351
	↶ Through-Right		1	
	↶ Right	57	0	351
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		146
		<b>East-West:</b>		397
		<b>SUM:</b>		543
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.362
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.262</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**18**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	29	0	29
	↶↷ Left-Through		0	
	↷ Through	208	0	265
	↷↶ Through-Right		0	
	↷ Right	28	0	0
	↷↷ Left-Through-Right		1	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	5	0	5
	↷↷ Left-Through		0	
	↷ Through	131	0	180
	↷↶ Through-Right		0	
	↷ Right	44	0	0
	↷↷ Left-Through-Right		1	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	57	0	57
	↷↷ Left-Through		1	
	↷ Through	697	0	435
	↷↶ Through-Right		1	
	↷ Right	59	0	435
	↷↷ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	29	0	29
	↶↷ Left-Through		1	
	↶ Through	554	0	583
	↶↶ Through-Right		0	
	↶ Right	26	1	26
	↶↷ Left-Through-Right		0	
	↶↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		270
		<b>East-West:</b>		640
		<b>SUM:</b>		910
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.607
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.507</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



### Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**19**

**PROJECT TITLE:** AMPAS

**North-South Street:** La Brea Avenue

**East-West Street:** 6th Street

**Scenario:** Existing with Project with Mitigation

**Count Date:**

**Analyst:**

**Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	34	1	34
	↵↔ Left-Through		0	
	↔ Through	996	2	498
	↔↘ Through-Right		0	
	↘ Right	27	1	27
	↘↔ Left-Through-Right		0	
	↘↖ Left-Right		0	
<b>SOUTHBOUND</b>	↙ Left	63	1	63
	↙↔ Left-Through		0	
	↔ Through	1134	2	402
	↔↘ Through-Right		1	
	↘ Right	73	0	73
	↘↔ Left-Through-Right		0	
	↘↖ Left-Right		0	
<b>EASTBOUND</b>	↙ Left	90	0	90
	↙↔ Left-Through		1	
	↔ Through	543	0	406
	↔↘ Through-Right		1	
	↘ Right	89	0	406
	↘↔ Left-Through-Right		0	
	↘↖ Left-Right		0	
<b>WESTBOUND</b>	↙ Left	28	0	28
	↙↔ Left-Through		1	
	↔ Through	461	0	489
	↔↘ Through-Right		0	
	↘ Right	77	1	46
	↘↔ Left-Through-Right		0	
	↘↖ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	561
			<b>East-West:</b>	579
			<b>SUM:</b>	1140
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				
<b>LEVEL OF SERVICE (LOS):</b>		<b>0.760</b>		
		<b>0.660</b>		
		<b>B</b>		







## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**23**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	3
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	142	1	142
	↶↷ Left-Through		0	
	↷ Through	786	1	443
	↷↶ Through-Right		1	
	↷ Right	100	0	100
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	159	1	159
	↷↶ Left-Through		0	
	↷ Through	867	2	434
	↷↶ Through-Right		0	
	↷ Right	190	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	204	1	204
	↷↶ Left-Through		0	
	↷ Through	907	2	340
	↷↶ Through-Right		1	
	↷ Right	113	0	113
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	82	1	82
	↷↶ Left-Through		0	
	↷ Through	836	2	334
	↷↶ Through-Right		1	
	↷ Right	165	0	165
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	602
			<i>East-West:</i>	538
			<i>SUM:</i>	1140
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.829
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.729</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**24**

**PROJECT TITLE: AMPAS**  
**North-South Street: Spaulding Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Existing with Project with Mitigation**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↵ Left	47	0	47
	↵↗ Left-Through		0	
	↗ Through	0	0	0
	↗↘ Through-Right		0	
	↘ Right	68	0	115
	↘↗ Left-Through-Right		0	
	↗↘ Left-Right		1	
SOUTHBOUND	↵ Left	0	0	0
	↵↗ Left-Through		0	
	↗ Through	0	0	0
	↗↘ Through-Right		0	
	↘ Right	0	0	0
	↘↗ Left-Through-Right		0	
	↗↘ Left-Right		0	
EASTBOUND	↵ Left	0	0	0
	↵↗ Left-Through		0	
	↗ Through	1085	2	543
	↗↘ Through-Right		0	
	↘ Right	72	1	72
	↘↗ Left-Through-Right		0	
	↗↘ Left-Right		0	
WESTBOUND	↵ Left	68	1	68
	↵↗ Left-Through		0	
	↗ Through	1046	2	523
	↗↘ Through-Right		0	
	↘ Right	0	0	0
	↘↗ Left-Through-Right		0	
	↗↘ Left-Right		0	
CRITICAL VOLUMES			<i>North-South:</i>	115
			<i>East-West:</i>	611
			<i>SUM:</i>	726
VOLUME/CAPACITY (V/C) RATIO:				0.484
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.384</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



## Level of Service Workheet (Circular 212 Method)



**I/S #:**  
**25**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> --	0
		<i>EB</i> -- 0	<i>WB</i> --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	43	0	43
	Left-Through		0	
	Through	104	0	233
	Through-Right		0	
	Right	86	0	0
	Left-Through-Right		1	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	52	0	52
	Left-Through		0	
	Through	86	0	216
	Through-Right		0	
	Right	78	0	0
	Left-Through-Right		1	
	Left-Right		0	
<b>EASTBOUND</b>	Left	70	1	70
	Left-Through		0	
	Through	1009	2	505
	Through-Right		0	
	Right	22	1	22
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	23	1	23
	Left-Through		0	
	Through	1011	2	506
	Through-Right		0	
	Right	31	1	31
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES			<i>North-South:</i>	285
			<i>East-West:</i>	576
			<i>SUM:</i>	861
VOLUME/CAPACITY (V/C) RATIO:				0.574
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.474</b>
LEVEL OF SERVICE (LOS):				<b>A</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**26**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Hauser Boulevard      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	77	1	77
	↙ Left-Through		0	
	→ Through	369	1	369
	↘ Through-Right		0	
	→ Right	110	1	83
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
<b>SOUTHBOUND</b>	↙ Left	55	1	55
	↙ Left-Through		0	
	→ Through	331	0	392
	↘ Through-Right		1	
	→ Right	61	0	0
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
<b>EASTBOUND</b>	↙ Left	77	1	77
	↙ Left-Through		0	
	→ Through	1019	2	510
	↘ Through-Right		0	
	→ Right	64	1	26
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
<b>WESTBOUND</b>	↙ Left	55	1	55
	↙ Left-Through		0	
	→ Through	1008	2	504
	↘ Through-Right		0	
	→ Right	74	1	47
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		469
		<i>East-West:</i>		581
		<i>SUM:</i>		1050
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.700
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.600</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #: **27**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Existing with Project with Mitigation**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↙ Left	49	0	49
	↙ Left-Through		0	
	→ Through	202	0	292
	↘ Through-Right		0	
	→ Right	41	0	0
	↘ Left-Through-Right		1	
	↘ Left-Right		0	
SOUTHBOUND	↙ Left	30	0	30
	↙ Left-Through		0	
	→ Through	127	0	257
	↘ Through-Right		0	
	→ Right	100	0	0
	↘ Left-Through-Right		1	
	↘ Left-Right		0	
EASTBOUND	↙ Left	50	1	50
	↙ Left-Through		0	
	→ Through	1117	2	559
	↘ Through-Right		0	
	→ Right	30	1	30
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
WESTBOUND	↙ Left	21	1	21
	↙ Left-Through		0	
	→ Through	1050	2	525
	↘ Through-Right		0	
	→ Right	52	1	52
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
CRITICAL VOLUMES			<i>North-South:</i>	322
			<i>East-West:</i>	580
			<i>SUM:</i>	902
VOLUME/CAPACITY (V/C) RATIO:				0.601
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.501</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**28**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i>	0
		<i>EB --</i> 0	<i>WB --</i>	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	90	1	90
	↶↷ Left-Through		0	
	↷ Through	818	2	293
	↷↶ Through-Right		1	
	↷ Right	60	0	60
	↷↶↷ Left-Through-Right		0	
<b>SOUTHBOUND</b>	↷ Left	105	1	105
	↷↶ Left-Through		0	
	↷ Through	999	2	396
	↷↶ Through-Right		1	
	↷ Right	189	0	189
	↷↶↷ Left-Through-Right		0	
<b>EASTBOUND</b>	↶ Left	174	1	174
	↶↷ Left-Through		0	
	↷ Through	848	2	424
	↷↶ Through-Right		0	
	↷ Right	119	1	74
	↷↶↷ Left-Through-Right		0	
<b>WESTBOUND</b>	↶ Left	160	1	160
	↶↷ Left-Through		0	
	↷ Through	939	2	470
	↷↶ Through-Right		0	
	↷ Right	135	1	83
	↷↶↷ Left-Through-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		486
		<i>East-West:</i>		644
		<i>SUM:</i>		1130
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.822
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.722</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**29**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 8th Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	916	1	481
	↷↶ Through-Right		1	
	↷ Right	45	0	45
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	112	1	112
	↷↶ Left-Through		0	
	↷ Through	1039	2	520
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	3	0	3
	↷↶ Left-Through		0	
	↷ Through	23	0	30
	↷↶ Through-Right		0	
	↷ Right	4	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	80	1	65
	↷↶ Left-Through		0	
	↷ Through	0	0	0
	↷↶ Through-Right		0	
	↷ Right	114	1	9
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		1	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		593
		<i>East-West:</i>		95
		<b>SUM:</b>		688
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.483
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.383</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:** **Analyst:** **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	106	0	106
	↶↷ Left-Through		1	
	↷ Through	511	0	373
	↷↶ Through-Right		1	
	↷ Right	22	0	373
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	82	0	82
	↷↷ Left-Through		1	
	↷ Through	495	1	330
	↷↶ Through-Right		0	
	↷ Right	64	0	64
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	42	1	42
	↷↷ Left-Through		0	
	↷ Through	651	2	225
	↷↶ Through-Right		1	
	↷ Right	25	0	25
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	41	1	41
	↶↷ Left-Through		0	
	↶ Through	794	2	289
	↶↶ Through-Right		1	
	↶ Right	74	0	74
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		455
		<i>East-West:</i>		331
		<i>SUM:</i>		786
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.524
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.424</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



### Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
31

**PROJECT TITLE:** AMPAS  
**North-South Street:** Carillo Drive/Crescent Pl **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:** **Analyst:** **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<b>NB --</b> 0	<b>SB --</b> 2	2
ATSAC-1 or ATSAC+ATCS-2?		<b>EB --</b> 0	<b>WB --</b> 0	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	485	1	485
	↷↶ Through-Right		0	
	↷ Right	54	1	35
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	0	0	0
	↷↶ Left-Through		0	
	↷ Through	371	0	278
	↷↶ Through-Right		1	
	↷ Right	184	1	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	156	1	156
	↷↶ Left-Through		0	
	↷ Through	1059	2	530
	↷↶ Through-Right		0	
	↷ Right	38	1	38
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	39	1	39
	↷↶ Left-Through		0	
	↷ Through	982	2	491
	↷↶ Through-Right		0	
	↷ Right	14	1	14
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		485
		<i>East-West:</i>		647
		<i>SUM:</i>		1132
VOLUME/CAPACITY (V/C) RATIO:				0.755
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.655</b>
LEVEL OF SERVICE (LOS):				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	1	0	0
	↶↷ Left-Through		0	
	↷ Through	758	2	379
	↷↶ Through-Right		0	
	↷ Right	1	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	106	1	106
	↷↶ Left-Through		0	
	↷ Through	934	1	493
	↷↶ Through-Right		1	
	↷ Right	51	0	51
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	36	1	36
	↷↶ Left-Through		0	
	↷ Through	666	4	167
	↷↶ Through-Right		0	
	↷ Right	92	1	92
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	1	0	0
	↶↷ Left-Through		0	
	↶ Through	887	2	362
	↶↶ Through-Right		1	
	↶ Right	200	0	200
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	493
			<b>East-West:</b>	398
			<b>SUM:</b>	891
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.625
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.525</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**33**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	37	1	37
	↶↷ Left-Through		0	
	↷ Through	630	1	332
	↷↶ Through-Right		1	
	↷ Right	33	0	33
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	3	0	0
	↷↶ Left-Through		0	
	↷ Through	821	1	518
	↷↶ Through-Right		1	
	↷ Right	214	0	214
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	108	1	108
	↶↷ Left-Through		0	
	↶ Through	1071	2	367
	↶↷ Through-Right		1	
	↶ Right	30	0	30
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	69	1	69
	↷↶ Left-Through		0	
	↷ Through	882	3	294
	↷↶ Through-Right		0	
	↷ Right	19	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		555
		<b>East-West:</b>		436
		<b>SUM:</b>		991
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.695
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.595</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**34**

**PROJECT TITLE:** AMPAS  
**North-South Street:** San Vicente Boulevard **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:** **Analyst:** **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?				0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	148	1	148
	↕ Left-Through		0	
	→ Through	849	2	286
	↘ Through-Right		1	
	↗ Right	9	0	9
	↘↗ Left-Through-Right		0	
	↗↘ Left-Right		0	
<b>SOUTHBOUND</b>	↖ Left	3	0	0
	↙ Left-Through		0	
	← Through	787	4	197
	↙↖ Through-Right		0	
	↘ Right	0	0	0
	↙↖ Left-Through-Right		0	
	↖↙ Left-Right		0	
<b>EASTBOUND</b>	↖ Left	2	0	0
	↗ Left-Through		0	
	→ Through	943	2	365
	↘ Through-Right		1	
	↗ Right	153	0	153
	↘↗ Left-Through-Right		0	
	↗↘ Left-Right		0	
<b>WESTBOUND</b>	↖ Left	0	0	0
	↙ Left-Through		0	
	← Through	838	2	361
	↙↖ Through-Right		1	
	↘ Right	246	0	246
	↙↖ Left-Through-Right		0	
	↖↙ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		345
		<b>East-West:</b>		365
		<b>SUM:</b>		710
VOLUME/CAPACITY (V/C) RATIO:				0.498
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.398</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**35**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	5	0	5
	↶ Left-Through		0	
	↷ Through	78	0	111
	↷ Through-Right		0	
	↷ Right	28	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	31	0	31
	↷ Left-Through		0	
	↶ Through	62	0	125
	↶ Through-Right		0	
	↶ Right	32	0	0
	↶ Left-Through-Right		1	
	↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	42	1	42
	↶ Left-Through		0	
	↷ Through	1045	2	523
	↷ Through-Right		0	
	↷ Right	22	1	22
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	19	1	19
	↶ Left-Through		0	
	↷ Through	1011	2	506
	↷ Through-Right		0	
	↷ Right	27	1	27
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		142
		<i>East-West:</i>		548
		<i>SUM:</i>		690
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.460
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.360</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**36**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: Olympic Boulevard**  
**Scenario: Existing with Project with Mitigation**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		0		
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	26	1	26
	↶ Left-Through		0	
	↷ Through	396	0	444
	↷ Through-Right		1	
	↷ Right	48	0	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	48	1	48
	↷ Left-Through		0	
	↶ Through	333	0	415
	↶ Through-Right		1	
	↶ Right	82	0	0
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	118	1	118
	↷ Left-Through		0	
	↶ Through	946	2	473
	↶ Through-Right		0	
	↶ Right	27	1	14
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	43	1	43
	↶ Left-Through		0	
	↷ Through	928	2	464
	↷ Through-Right		0	
	↷ Right	68	1	44
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		492
		<b>East-West:</b>		582
		<b>SUM:</b>		1074
VOLUME/CAPACITY (V/C) RATIO:		0.716		
V/C LESS ATSAC/ATCS ADJUSTMENT:		<b>0.616</b>		
LEVEL OF SERVICE (LOS):		<b>B</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**37**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
				2
No. of Phases				0
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	22	0	22
	↵↔ Left-Through		0	
	↔ Through	116	0	200
	↔↗ Through-Right		0	
	↔ Right	62	0	0
	↔↘ Left-Through-Right		1	
	↔↗↘ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	22	0	22
	↵↔ Left-Through		0	
	↔ Through	78	0	128
	↔↗ Through-Right		0	
	↔ Right	28	0	0
	↔↘ Left-Through-Right		1	
	↔↗↘ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	29	1	29
	↵↔ Left-Through		0	
	↔ Through	833	2	417
	↔↗ Through-Right		0	
	↔ Right	6	1	6
	↔↘ Left-Through-Right		0	
	↔↗↘ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	35	1	35
	↵↔ Left-Through		0	
	↔ Through	1004	2	502
	↔↗ Through-Right		0	
	↔ Right	40	1	40
	↔↘ Left-Through-Right		0	
	↔↗↘ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		222
		<b>East-West:</b>		531
		<b>SUM:</b>		753
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.502
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.402</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**38**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Pico Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	143	1	143
	↶↷ Left-Through		0	
	↷ Through	640	2	320
	↷↶ Through-Right		0	
	↷ Right	130	1	82
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	73	1	73
	↷↶ Left-Through		0	
	↷ Through	735	2	368
	↷↶ Through-Right		0	
	↷ Right	63	1	34
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	58	1	58
	↷↶ Left-Through		0	
	↷ Through	775	1	434
	↷↶ Through-Right		1	
	↷ Right	93	0	93
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	97	1	97
	↷↶ Left-Through		0	
	↷ Through	669	1	352
	↷↶ Through-Right		1	
	↷ Right	35	0	35
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		511
		<i>East-West:</i>		531
		<i>SUM:</i>		1042
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.731
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.631</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>

## EXISTING WITH PROJECT WITH MITIGATION CONDITIONS

**AMPAS Museum**

## Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

**FRIDAY MIDDAY PEAK HOUR**

Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	152	0.000	N/S 1: 0.317
	Through	3.00	4,800	924	0.236 *	N/S 2: 0.349 *
	Left	1.00	1,600	85	0.056	E/W 1: 0.395 *
Westbound	Right	0.00	0	96	0.000	E/W 2: 0.384
	Through	3.00	4,800	1,031	0.247	V/C Ratio: 0.744
	Left	1.00	1,600	192	0.126 *	Loss Time: 0.100
Northbound	Right	0.00	0	159	0.000	ITS: 0.000
	Through	3.00	4,800	1,033	0.261	ICU: 0.844
	Left	1.00	1,600	171	0.113 *	LOS: D
Eastbound	Right	0.00	0	197	0.000	
	Through	3.00	4,800	1,029	0.269 *	
	Left	1.00	1,600	208	0.137	

\* Critical Movement

# HCM Signalized Intersection Capacity Analysis

## 43: Santa Monica Blvd & Fairfax Ave

8/15/2013



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	131	620	87	264	645	115	118	772	175	91	741	80
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Frt	1.00	0.98		1.00	0.98		1.00	1.00	0.85	1.00	0.99	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2962		1509	2949		1509	3018	1350	1509	2974	
Flt Permitted	0.26	1.00		0.28	1.00		0.15	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	411	2962		439	2949		245	3018	1350	253	2974	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	138	653	92	278	679	121	124	813	184	96	780	84
RTOR Reduction (vph)	0	11	0	0	14	0	0	0	79	0	8	0
Lane Group Flow (vph)	138	734	0	278	786	0	124	813	105	96	856	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	52.8	46.3		53.8	46.8		33.9	26.9	26.9	30.8	25.6	
Effective Green, g (s)	50.8	46.3		51.8	46.8		31.9	27.0	27.0	29.8	25.7	
Actuated g/C Ratio	0.51	0.46		0.52	0.47		0.32	0.27	0.27	0.30	0.26	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	269	1371		292	1380		154	815	365	134	764	
v/s Ratio Prot	0.03	0.25		c0.06	0.27		c0.05	0.27		0.03	c0.29	
v/s Ratio Perm	0.23			c0.44			0.21		0.08	0.18		
v/c Ratio	0.51	0.54		0.95	0.57		0.81	1.00	0.29	0.72	1.12	
Uniform Delay, d1	14.2	19.2		21.8	19.3		28.1	36.5	28.9	28.2	37.1	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.70	0.59	
Incremental Delay, d2	0.7	1.5		39.4	1.7		34.6	30.9	2.0	12.8	69.5	
Delay (s)	14.9	20.7		61.2	21.0		62.8	67.4	30.9	32.7	91.4	
Level of Service	B	C		E	C		E	E	C	C	F	
Approach Delay (s)		19.8			31.4			60.9			85.5	
Approach LOS		B			C			E			F	

### Intersection Summary

HCM Average Control Delay	49.9	HCM Level of Service	D
HCM Volume to Capacity ratio	0.94		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	88.5%	ICU Level of Service	E
Analysis Period (min)	15		
c Critical Lane Group			



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**1**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Sunset Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	116	1	116
	↵↔ Left-Through		0	
	↔ Through	941	2	471
	↔↘ Through-Right		0	
	↘ Right	230	1	13
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	68	1	68
	↵↔ Left-Through		0	
	↔ Through	499	2	250
	↔↘ Through-Right		0	
	↘ Right	172	1	45
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	254	1	254
	↵↔ Left-Through		0	
	↔ Through	1251	2	451
	↔↘ Through-Right		1	
	↘ Right	102	0	102
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	217	1	217
	↵↔ Left-Through		0	
	↔ Through	923	2	330
	↔↘ Through-Right		1	
	↘ Right	66	0	66
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		539
		<i>East-West:</i>		668
		<b>SUM:</b>		1207
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.878
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.778</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**3**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Melrose Avenue  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	98	1	98
	↶↷ Left-Through		0	
	↷ Through	1056	2	412
	↷↶ Through-Right		1	
	↷ Right	181	0	181
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	94	1	94
	↷↶ Left-Through		0	
	↷ Through	685	2	271
	↷↶ Through-Right		1	
	↷ Right	127	0	127
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	155	1	155
	↷↶ Left-Through		0	
	↷ Through	1063	1	592
	↷↶ Through-Right		1	
	↷ Right	121	0	121
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	193	1	193
	↶↷ Left-Through		0	
	↶ Through	711	1	412
	↶↶ Through-Right		1	
	↶ Right	112	0	112
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		506
		<i>East-West:</i>		785
		<i>SUM:</i>		1291
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.906
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.806</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**4**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Beverly Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 3	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	135	1	135
	↶↷ Left-Through		0	
	↷ Through	912	2	456
	↷↶ Through-Right		0	
	↷ Right	199	1	13
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	129	1	129
	↷↶ Left-Through		0	
	↷ Through	915	1	515
	↷↶ Through-Right		1	
	↷ Right	115	0	115
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	101	1	101
	↶↷ Left-Through		0	
	↶ Through	978	2	489
	↶↷ Through-Right		0	
	↶ Right	90	1	0
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	186	1	186
	↷↶ Left-Through		0	
	↷ Through	944	2	472
	↷↶ Through-Right		0	
	↷ Right	164	1	35
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		650
		<b>East-West:</b>		675
		<b>SUM:</b>		1325
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.964
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.864</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>





**Level of Service Worksheet  
(Circular 212 Method)**



**I/S #:**  
**5**

**PROJECT TITLE: AMPAS**  
**North-South Street: Crescent Heights Blvd East-West Street: 3rd Street**  
**Scenario: Existing with Project with Mitigation**  
**Count Date: Analyst: Date:**

		FRIDAY PM PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	2	0	0
	Left-Through		0	
	Through	895	1	466
	Through-Right		1	
	Right	37	0	37
	Left-Through-Right		0	
Left-Right		0		
SOUTHBOUND	Left	9	0	0
	Left-Through		0	
	Through	654	1	654
	Through-Right		0	
	Right	61	1	61
	Left-Through-Right		0	
Left-Right		0		
EASTBOUND	Left	8	0	0
	Left-Through		0	
	Through	1043	1	559
	Through-Right		1	
	Right	74	0	74
	Left-Through-Right		0	
Left-Right		0		
WESTBOUND	Left	6	0	0
	Left-Through		0	
	Through	726	1	397
	Through-Right		1	
	Right	67	0	67
	Left-Through-Right		0	
Left-Right		0		
CRITICAL VOLUMES		<b>North-South:</b>		654
		<b>East-West:</b>		559
		<b>SUM:</b>		1213
VOLUME/CAPACITY (V/C) RATIO:				0.809
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.709</b>
LEVEL OF SERVICE (LOS):				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**6**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 3rd Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	76	1	76
	↶↷ Left-Through		0	
	↷ Through	822	2	411
	↷↶ Through-Right		0	
	↷ Right	104	1	26
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	182	1	182
	↷↶ Left-Through		0	
	↷ Through	919	1	537
	↷↶ Through-Right		1	
	↷ Right	155	0	155
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	196	1	196
	↷↶ Left-Through		0	
	↷ Through	930	1	497
	↷↶ Through-Right		1	
	↷ Right	64	0	64
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	156	1	156
	↷↶ Left-Through		0	
	↷ Through	662	2	331
	↷↶ Through-Right		0	
	↷ Right	221	1	39
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		613
		<i>East-West:</i>		653
		<i>SUM:</i>		1266
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.921
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.821</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**7**

**PROJECT TITLE: AMPAS**  
**North-South Street: Martel Avenue/Hauser Blvd**      **East-West Street: 3rd Street**  
**Scenario: Existing with Project with Mitigation**  
**Count Date:**    **Analyst:**    **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	189	1	189
	Left-Through		0	
	Through	337	1	337
	Through-Right		0	
	Right	122	1	73
	Left-Through-Right		0	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	20	0	20
	Left-Through		0	
	Through	333	0	388
	Through-Right		0	
	Right	35	0	0
	Left-Through-Right		1	
	Left-Right		0	
<b>EASTBOUND</b>	Left	27	1	27
	Left-Through		0	
	Through	1054	1	633
	Through-Right		1	
	Right	212	0	212
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	98	1	98
	Left-Through		0	
	Through	1054	1	552
	Through-Right		1	
	Right	49	0	49
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South: 577</b>	
			<b>East-West: 731</b>	
			<b>SUM: 1308</b>	
VOLUME/CAPACITY (V/C) RATIO:				0.872
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.772</b>
LEVEL OF SERVICE (LOS):				<b>C</b>



## Level of Service Workheet (Circular 212 Method)



**I/S #:**  
**8**

**PROJECT TITLE:** AMPAS

**North-South Street:** Cochran Avenue/Alta V **East-West Street:** 3rd Street

**Scenario:** Existing with Project with Mitigation

**Count Date:**

**Analyst:**

**Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	102	0	102
	↶ Left-Through		0	
	↷ Through	171	0	413
	↷ Through-Right		0	
	↷ Right	140	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	33	0	33
	↷ Left-Through		0	
	↷ Through	118	0	166
	↷ Through-Right		0	
	↷ Right	15	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	11	1	11
	↷ Left-Through		0	
	↷ Through	1118	1	581
	↷ Through-Right		1	
	↷ Right	44	0	44
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	53	1	53
	↶ Left-Through		0	
	↶ Through	1048	1	536
	↶ Through-Right		1	
	↶ Right	23	0	23
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		446
		<i>East-West:</i>		634
		<b>SUM:</b>		1080
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.720		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.620</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>B</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**9**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue      **East-West Street:** 3rd Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	177	1	177
	↶↷ Left-Through		0	
	↷ Through	1438	2	515
	↷↶ Through-Right		1	
	↷ Right	107	0	107
	↷↶ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	94	1	94
	↷↶ Left-Through		0	
	↷ Through	1225	2	437
	↷↶ Through-Right		1	
	↷ Right	87	0	87
	↷↶ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	98	1	98
	↷↶ Left-Through		0	
	↷ Through	1016	2	508
	↷↶ Through-Right		0	
	↷ Right	146	1	58
	↷↶ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	130	1	130
	↶↷ Left-Through		0	
	↶ Through	902	1	495
	↶↷ Through-Right		1	
	↶ Right	87	0	87
	↶↷ Left-Through-Right		0	
	↶↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		614
		<b>East-West:</b>		638
		<b>SUM:</b>		1252
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.911
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.811</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**10**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Colgate Avenue  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	17	1	17
	↶↷ Left-Through		0	
	↷ Through	1098	1	600
	↷↶ Through-Right		1	
	↷ Right	102	0	102
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	59	1	59
	↷↶ Left-Through		0	
	↷ Through	1115	1	564
	↷↶ Through-Right		1	
	↷ Right	13	0	13
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	15	0	15
	↷↶ Left-Through		0	
	↷ Through	114	0	156
	↷↶ Through-Right		0	
	↷ Right	27	0	0
	↷↶ Left-Through-Right		1	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	110	0	110
	↷↶ Left-Through		0	
	↷ Through	30	0	161
	↷↶ Through-Right		0	
	↷ Right	21	0	0
	↷↶ Left-Through-Right		1	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		659
		<b>East-West:</b>		266
		<b>SUM:</b>		925
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.617		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.517</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>		



# Level of Service Worksheet (Circular 212 Method)



I/S #: **12**

PROJECT TITLE: AMPAS

North-South Street: San Vicente Boulevard East-West Street: 6th Street

Scenario: Existing with Project with Mitigation

Count Date:

Analyst:

Date:

		FRIDAY PM PEAK HOUR		
No. of Phases		3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	3
Override Capacity		2		
		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	3	0	0
	Left-Through		0	
	Through	1036	2	367
	Through-Right		1	
	Right	65	0	65
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	455	1	455
	Left-Through		0	
	Through	1243	3	414
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	0	0	0
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	87	0	87
	Left-Through		1	
	Through	0	0	87
	Through-Right		0	
	Right	219	1	0
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		North-South:		822
		East-West:		87
		SUM:		909
VOLUME/CAPACITY (V/C) RATIO:		0.638		
V/C LESS ATSAC/ATCS ADJUSTMENT:		0.538		
LEVEL OF SERVICE (LOS):		A		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**12**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boulc **East-West Street:** 6th Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	1	0	0
	↶↷ Left-Through		0	
	↷ Through	894	1	476
	↷↶ Through-Right		1	
	↷ Right	58	0	58
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	5	0	0
	↷↶ Left-Through		0	
	↷ Through	702	1	364
	↷↶ Through-Right		1	
	↷ Right	26	0	26
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	43	0	43
	↷↶ Left-Through		0	
	↷ Through	382	0	482
	↷↶ Through-Right		0	
	↷ Right	57	0	0
	↷↶↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	61	0	61
	↷↶ Left-Through		0	
	↷ Through	282	0	438
	↷↶ Through-Right		0	
	↷ Right	95	0	0
	↷↶↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		476
		<b>East-West:</b>		543
		<b>SUM:</b>		1019
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.679		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.579</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>		





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	22	1	22
	↶↷ Left-Through		0	
	↷ Through	904	2	452
	↷↶ Through-Right		0	
	↷ Right	311	1	311
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	170	1	170
	↷↶ Left-Through		0	
	↷ Through	1097	1	572
	↷↶ Through-Right		1	
	↷ Right	46	0	46
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	28	1	28
	↷↶ Left-Through		0	
	↷ Through	453	0	462
	↷↶ Through-Right		1	
	↷ Right	9	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	227	2	125
	↶↷ Left-Through		0	
	↶ Through	397	1	397
	↶↶ Through-Right		0	
	↶ Right	239	1	154
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		622
		<b>East-West:</b>		587
		<b>SUM:</b>		1209
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.848
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.748</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



### Level of Service Worksheet (Circular 212 Method)



I/S #: **14**

PROJECT TITLE: **AMPAS**

North-South Street: **Odgen Drive/Project Dv**      East-West Street: **6th Street**

Scenario: **Existing with Project with Mitigation**

Count Date:

Analyst:

Date:

		No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity	FRIDAY PM PEAK HOUR		
			NB --	SB --	
			0	0	
			0	0	
			2	2	
			0	0	
MOVEMENT			Volume	No. of Lanes	Lane Volume
NORTHBOUND	↶ Left		147	0	147
	↶↷ Left-Through			0	
	↷ Through		0	0	0
	↷↶ Through-Right			0	
	↷ Right		120	0	267
	↷↶ Left-Through-Right			0	
	↷↶ Left-Right			1	
SOUTHBOUND	↶ Left		9	0	9
	↶↷ Left-Through			0	
	↷ Through		1	0	0
	↷↶ Through-Right			0	
	↷ Right		16	0	25
	↷↶ Left-Through-Right			0	
	↷↶ Left-Right			1	
EASTBOUND	↶ Left		18	1	18
	↶↷ Left-Through			0	
	↷ Through		872	1	463
	↷↶ Through-Right			1	
	↷ Right		53	0	53
	↷↶ Left-Through-Right			0	
	↷↶ Left-Right			0	
WESTBOUND	↶ Left		22	1	22
	↶↷ Left-Through			0	
	↷ Through		702	1	355
	↷↶ Through-Right			1	
	↷ Right		7	0	7
	↷↶ Left-Through-Right			0	
	↷↶ Left-Right			0	
CRITICAL VOLUMES			<i>North-South:</i>		276
			<i>East-West:</i>		485
			<b>SUM:</b>		761
VOLUME/CAPACITY (V/C) RATIO:			0.507		
V/C LESS ATSAC/ATCS ADJUSTMENT:			<b>0.407</b>		
LEVEL OF SERVICE (LOS):			<b>A</b>		



### Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: 6th Street**  
**Scenario: Existing with Project with Mitigation**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	113	1	113
	Left-Through		0	
	Through	113	0	341
	Through-Right		1	
	Right	228	0	0
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	36	1	36
	Left-Through		0	
	Through	60	0	92
	Through-Right		1	
	Right	32	0	0
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	64	1	64
	Left-Through		0	
	Through	892	1	471
	Through-Right		1	
	Right	49	0	49
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	81	1	81
	Left-Through		0	
	Through	583	1	328
	Through-Right		1	
	Right	73	0	73
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		North-South:		377
		East-West:		552
		SUM:		929
VOLUME/CAPACITY (V/C) RATIO:				0.619
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.519</b>
LEVEL OF SERVICE (LOS):				<b>A</b>

**Level of Service Worksheet  
(Circular 212 Method)**



I/S #: 16

PROJECT TITLE: AMPAS  
 North-South Street: Hauser Boulevard East-West Street: 6th Street  
 Scenario: Existing with Project with Mitigation  
 Count Date: Analyst: Date:

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↰ Left	48	1	48
	↰ Left-Through		0	
	→ Through	494	0	525
	→ Through-Right		1	
	↗ Right	31	0	0
	↘ Left-Through-Right		0	
	↖ Left-Right		0	
SOUTHBOUND	↰ Left	41	1	41
	↰ Left-Through		0	
	→ Through	364	1	364
	→ Through-Right		0	
	↗ Right	64	1	64
	↘ Left-Through-Right		0	
	↖ Left-Right		0	
EASTBOUND	↰ Left	22	0	0
	↰ Left-Through		0	
	→ Through	1206	1	646
	→ Through-Right		1	
	↗ Right	86	0	86
	↘ Left-Through-Right		0	
	↖ Left-Right		0	
WESTBOUND	↰ Left	3	0	0
	↰ Left-Through		0	
	→ Through	627	1	345
	→ Through-Right		1	
	↗ Right	62	0	62
	↘ Left-Through-Right		0	
	↖ Left-Right		0	
CRITICAL VOLUMES			<i>North-South:</i>	566
			<i>East-West:</i>	646
			<i>SUM:</i>	1212
VOLUME/CAPACITY (V/C) RATIO:				0.808
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.708</b>
LEVEL OF SERVICE (LOS):				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Burnside Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**                                      **Analyst:**                                      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↶ Left	19	0	19
	↶↷ Left-Through		0	
	↷ Through	80	0	155
	↷↶ Through-Right		0	
	↷ Right	56	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
SOUTHBOUND	↷ Left	51	0	51
	↷↶ Left-Through		1	
	↷ Through	44	0	95
	↷↶ Through-Right		0	
	↷ Right	14	1	14
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
EASTBOUND	↷ Left	83	0	83
	↷↶ Left-Through		1	
	↷ Through	1198	0	776
	↷↶ Through-Right		1	
	↷ Right	21	0	776
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
WESTBOUND	↶ Left	31	0	31
	↶↷ Left-Through		1	
	↶ Through	656	0	481
	↶↶ Through-Right		1	
	↶ Right	120	0	481
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
CRITICAL VOLUMES			<i>North-South:</i>	206
			<i>East-West:</i>	807
			<b>SUM:</b>	1013
VOLUME/CAPACITY (V/C) RATIO:				0.675
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.575</b>
LEVEL OF SERVICE (LOS):				<b>A</b>

## Level of Service Workheet (Circular 212 Method)



**I/S #:** 18  
**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue **East-West Street:** 6th Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:** **Analyst:** **Date:**

MOVEMENT		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
<p>No. of Phases  Opposed Ø'ing: N/S-1, E/W-2 or Both-3?  Right Turns: FREE-1, NRTOR-2 or OLA-3?  ATSAC-1 or ATSAC+ATCS-2?  Override Capacity</p>				2 0 0 0 2 0
		NB -- 0	SB -- 0	
		EB -- 0	WB -- 0	
NORTHBOUND	Left Left-Through Through Through-Right Right Left-Through-Right Left-Right	24  251  51  1 0	0 0 0 0 1 0	24  326  0  0 0
SOUTHBOUND	Left Left-Through Through Through-Right Right Left-Through-Right Left-Right	15  129  46  1 0	0 0 0 0 1 0	15  190  0  0 0
EASTBOUND	Left Left-Through Through Through-Right Right Left-Through-Right Left-Right	145  1162  49  0 0	0 1 0 1 0 0 0	145  896  896  0 0
WESTBOUND	Left Left-Through Through Through-Right Right Left-Through-Right Left-Right	26  697  27  0 0	0 1 0 1 0 0 0	26  440  440  0 0
CRITICAL VOLUMES		<b>North-South:</b>		341
		<b>East-West:</b>		922
		<b>SUM:</b>		1263
VOLUME/CAPACITY (V/C) RATIO:		0.842		
V/C LESS ATSAC/ATCS ADJUSTMENT:		0.742		
LEVEL OF SERVICE (LOS):		C		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**19**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↶ Left	66	1	66
	↷ Left-Through		0	
	→ Through	1510	2	520
	↷ Through-Right		1	
	↷ Right	49	0	49
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
SOUTHBOUND	↶ Left	73	1	73
	↷ Left-Through		0	
	→ Through	1372	2	478
	↷ Through-Right		1	
	↷ Right	62	0	62
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
EASTBOUND	↶ Left	7	0	0
	↷ Left-Through		0	
	→ Through	1083	1	574
	↷ Through-Right		1	
	↷ Right	65	0	65
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
WESTBOUND	↶ Left	3	0	0
	↷ Left-Through		0	
	→ Through	599	1	341
	↷ Through-Right		1	
	↷ Right	83	0	83
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		593
		<b>East-West:</b>		574
		<b>SUM:</b>		1167
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.778
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.678</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



I/S #: **21**

**PROJECT TITLE:** AMPAS  
**North-South Street:** San Vicente Boulevard     **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**     **Analyst:**     **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	312	2	172
	Left-Through		0	
	Through	747	2	259
	Through-Right		1	
	Right	29	0	29
	Left-Through-Right		0	
SOUTHBOUND	Left	287	2	158
	Left-Through		0	
	Through	1023	3	341
	Through-Right		0	
	Right	129	0	0
	Left-Through-Right		0	
EASTBOUND	Left	63	1	63
	Left-Through		0	
	Through	1303	2	511
	Through-Right		1	
	Right	230	0	230
	Left-Through-Right		0	
WESTBOUND	Left	39	1	39
	Left-Through		0	
	Through	949	2	394
	Through-Right		1	
	Right	234	0	234
	Left-Through-Right		0	
CRITICAL VOLUMES				513
				550
				1063
VOLUME/CAPACITY (V/C) RATIO:				0.773
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.673
LEVEL OF SERVICE (LOS):				B





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**22**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boulc **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	665	1	391
	↷↶ Through-Right		1	
	↷ Right	117	0	117
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	106	0	106
	↷↶ Left-Through		1	
	↷ Through	588	0	550
	↷↶ Through-Right		1	
	↷ Right	88	0	550
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	174	1	174
	↶↷ Left-Through		0	
	↷ Through	1544	2	553
	↷↶ Through-Right		1	
	↷ Right	115	0	115
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	89	1	89
	↶↷ Left-Through		0	
	↷ Through	944	2	347
	↷↶ Through-Right		1	
	↷ Right	98	0	98
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		550
		<b>East-West:</b>		642
		<b>SUM:</b>		1192
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.795
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.695</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**23**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	3
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	115	1	115
	↶↷ Left-Through		0	
	↷ Through	774	1	423
	↷↶ Through-Right		1	
	↷ Right	72	0	72
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	162	1	162
	↷↶ Left-Through		0	
	↷ Through	957	2	479
	↷↶ Through-Right		0	
	↷ Right	209	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	274	1	274
	↷↶ Left-Through		0	
	↷ Through	1426	2	520
	↷↶ Through-Right		1	
	↷ Right	133	0	133
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	86	1	86
	↷↶ Left-Through		0	
	↷ Through	830	2	329
	↷↶ Through-Right		1	
	↷ Right	157	0	157
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		594
		<b>East-West:</b>		606
		<b>SUM:</b>		1200
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.873
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.773</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**24**

**PROJECT TITLE: AMPAS**  
**North-South Street: Spaulding Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Existing with Project with Mitigation**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity		
		2		
		0		
		0	0	
		0	0	
		2		
		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↶	68	0	68
	↷	0	0	0
	↶↷	0	0	0
	↷↶	88	0	156
	↷↶↷	0	0	0
	↷↶↷	0	1	0
	↷↶↷	0	0	0
SOUTHBOUND	↷	0	0	0
	↶	0	0	0
	↷↶	0	0	0
	↶↷	0	0	0
	↷↶	0	0	0
	↷↶↷	0	0	0
	↷↶↷	0	0	0
EASTBOUND	↶	0	0	0
	↷	1612	2	554
	↷↶	49	1	49
	↶↷	0	0	0
	↷↶↷	0	0	0
	↷↶↷	0	0	0
	↷↶↷	0	0	0
WESTBOUND	↶	39	1	39
	↷	1040	3	347
	↷↶	0	0	0
	↶↷	0	0	0
	↷↶↷	0	0	0
	↷↶↷	0	0	0
	↷↶↷	0	0	0
CRITICAL VOLUMES		<i>North-South:</i>		156
		<i>East-West:</i>		593
		<i>SUM:</i>		749
VOLUME/CAPACITY (V/C) RATIO:				0.499
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.399</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**25**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**                                      **Analyst:**                                      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	49	0	49
	↶ Left-Through		0	
	↷ Through	182	0	342
	↷ Through-Right		0	
	↷ Right	111	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↶ Left	64	0	64
	↶ Left-Through		0	
	↷ Through	184	0	335
	↷ Through-Right		0	
	↷ Right	87	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	130	1	130
	↶ Left-Through		0	
	↷ Through	1577	2	540
	↷ Through-Right		1	
	↷ Right	42	0	42
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	32	1	32
	↶ Left-Through		0	
	↷ Through	915	2	306
	↷ Through-Right		1	
	↷ Right	4	0	4
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		406
		<i>East-West:</i>		572
		<i>SUM:</i>		978
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.652
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.552</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Workheet (Circular 212 Method)



**I/S #:**  
26

**PROJECT TITLE:** AMPAS  
**North-South Street:** Hauser Boulevard      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	48	1	48
	↙ Left-Through		0	
	↔ Through	409	1	409
	↘ Through-Right		0	
	↘ Right	131	1	101
	↙↘ Left-Through-Right		0	
	↙↘ Left-Right		0	
<b>SOUTHBOUND</b>	↙ Left	54	1	54
	↙ Left-Through		0	
	↔ Through	352	0	395
	↘ Through-Right		1	
	↘ Right	43	0	0
	↙↘ Left-Through-Right		0	
	↙↘ Left-Right		0	
<b>EASTBOUND</b>	↙ Left	112	1	112
	↙ Left-Through		0	
	↔ Through	1560	2	560
	↘ Through-Right		1	
	↘ Right	121	0	121
	↙↘ Left-Through-Right		0	
	↙↘ Left-Right		0	
<b>WESTBOUND</b>	↙ Left	60	1	60
	↙ Left-Through		0	
	↔ Through	891	2	320
	↘ Through-Right		1	
	↘ Right	70	0	70
	↙↘ Left-Through-Right		0	
	↙↘ Left-Right		0	
<b>CRITICAL VOLUMES</b>		North-South:		463
		East-West:		620
		<b>SUM:</b>		1083
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.722
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.622</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**27**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	30	0	30
	↶↷ Left-Through		0	
	↷ Through	230	0	287
	↷↶ Through-Right		0	
	↷ Right	27	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	25	0	25
	↷↷ Left-Through		0	
	↷ Through	152	0	258
	↷↶ Through-Right		0	
	↷ Right	81	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	55	1	55
	↷↷ Left-Through		0	
	↷ Through	1496	2	514
	↷↶ Through-Right		1	
	↷ Right	47	0	47
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	36	1	36
	↷↷ Left-Through		0	
	↷ Through	1064	2	368
	↷↶ Through-Right		1	
	↷ Right	40	0	40
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		312
		<b>East-West:</b>		550
		<b>SUM:</b>		862
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.575
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.475</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**28**

**PROJECT TITLE: AMPAS**  
**North-South Street: La Brea Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Existing with Project with Mitigation**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	123	1	123
	↶↷ Left-Through		0	
	↷ Through	1273	2	466
	↷↶ Through-Right		1	
	↷ Right	126	0	126
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	96	1	96
	↷↶ Left-Through		0	
	↷ Through	1220	2	454
	↷↶ Through-Right		1	
	↷ Right	143	0	143
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	192	1	192
	↷↶ Left-Through		0	
	↷ Through	1168	2	429
	↷↶ Through-Right		1	
	↷ Right	120	0	120
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	211	1	211
	↷↶ Left-Through		0	
	↷ Through	901	2	350
	↷↶ Through-Right		1	
	↷ Right	149	0	149
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		577
		<i>East-West:</i>		640
		<b>SUM:</b>		1217
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.885
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.785</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**29**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: 8th Street**  
**Scenario: Existing with Project with Mitigation**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		No. of Phases		
		Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		3
		Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB -- 0      SB -- 0	0
		ATSAC-1 or ATSAC+ATCS-2?	EB -- 0      WB -- 0	0
		Override Capacity		2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↷ Left-Through		0	
	→ Through	796	1	429
	↘ Through-Right		1	
	↷ Right	62	0	62
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↶ Left	314	1	314
	↷ Left-Through		0	
	→ Through	938	2	469
	↘ Through-Right		0	
	↷ Right	0	0	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	1	0	1
	↷ Left-Through		0	
	→ Through	133	0	138
	↘ Through-Right		0	
	↷ Right	4	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	91	1	64
	↷ Left-Through		0	
	→ Through	1	0	0
	↘ Through-Right		0	
	↷ Right	100	1	0
	↷ Left-Through-Right		0	
	↷ Left-Right		1	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	743
			<i>East-West:</i>	202
			<b>SUM:</b>	945
VOLUME/CAPACITY (V/C) RATIO:				0.663
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.563</b>
LEVEL OF SERVICE (LOS):				<b>A</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	73	0	73
	↶↷ Left-Through		1	
	↷ Through	576	0	449
	↷↶ Through-Right		1	
	↷ Right	30	0	449
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	89	0	89
	↷↶ Left-Through		1	
	↷ Through	671	1	514
	↷↶ Through-Right		0	
	↷ Right	54	0	54
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	129	1	129
	↷↶ Left-Through		0	
	↷ Through	939	2	350
	↷↶ Through-Right		1	
	↷ Right	111	0	111
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	26	1	26
	↷↶ Left-Through		0	
	↷ Through	777	2	300
	↷↶ Through-Right		1	
	↷ Right	122	0	122
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		587
		<b>East-West:</b>		429
		<b>SUM:</b>		1016
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.677		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.577</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>		



## Level of Service Worksheet (Circular 212 Method)



I/S #:
31

**PROJECT TITLE:** AMPAS  
**North-South Street:** Carillo Drive/Crescent I **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 2	2
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>				
	↵ Left	3	0	0
	↵↔ Left-Through		0	
	↔ Through	447	1	447
	↔↔ Through-Right		0	
	↔ Right	52	1	22
	↔↔↔ Left-Through-Right		0	
	↔↔↔ Left-Right		0	
<b>SOUTHBOUND</b>				
	↵ Left	2	0	0
	↵↔ Left-Through		0	
	↔ Through	610	0	412
	↔↔ Through-Right		1	
	↔ Right	214	1	0
	↔↔↔ Left-Through-Right		0	
	↔↔↔ Left-Right		0	
<b>EASTBOUND</b>				
	↵ Left	112	1	112
	↵↔ Left-Through		0	
	↔ Through	1888	2	636
	↔↔ Through-Right		1	
	↔ Right	19	0	19
	↔↔↔ Left-Through-Right		0	
	↔↔↔ Left-Right		0	
<b>WESTBOUND</b>				
	↵ Left	61	1	61
	↵↔ Left-Through		0	
	↔ Through	1029	2	348
	↔↔ Through-Right		1	
	↔ Right	15	0	15
	↔↔↔ Left-Through-Right		0	
	↔↔↔ Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		447
		<i>East-West:</i>		697
		<i>SUM:</i>		1144
VOLUME/CAPACITY (V/C) RATIO:				0.763
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.663
LEVEL OF SERVICE (LOS):				B



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	666	2	333
	↷↶ Through-Right		0	
	↷ Right	4	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	89	1	89
	↷↶ Left-Through		0	
	↷ Through	933	1	485
	↷↶ Through-Right		1	
	↷ Right	36	0	36
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	19	1	19
	↷↶ Left-Through		0	
	↷ Through	976	4	244
	↷↶ Through-Right		0	
	↷ Right	76	1	76
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↶ Through	913	2	365
	↶↶ Through-Right		1	
	↶ Right	183	0	183
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		485
		<b>East-West:</b>		384
		<b>SUM:</b>		869
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.610
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.510</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**33**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	31	1	31
	↶↷ Left-Through		0	
	↷ Through	557	1	304
	↷↶ Through-Right		1	
	↷ Right	50	0	50
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	0	0	0
	↷↶ Left-Through		0	
	↷ Through	807	1	510
	↷↶ Through-Right		1	
	↷ Right	213	0	213
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	97	1	97
	↶↷ Left-Through		0	
	↶ Through	1819	2	612
	↶↷ Through-Right		1	
	↶ Right	18	0	18
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	62	1	62
	↷↶ Left-Through		0	
	↷ Through	994	3	331
	↷↶ Through-Right		0	
	↷ Right	16	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		541
		<b>East-West:</b>		674
		<b>SUM:</b>		1215
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.853
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.753</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**35**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	6	0	6
	↶↷ Left-Through		0	
	↷ Through	109	0	186
	↷↶ Through-Right		0	
	↷ Right	71	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	109	0	109
	↷↶ Left-Through		0	
	↷ Through	249	0	420
	↷↶ Through-Right		0	
	↷ Right	62	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	44	1	44
	↷↶ Left-Through		0	
	↷ Through	1747	2	588
	↷↶ Through-Right		1	
	↷ Right	17	0	17
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	50	1	50
	↷↶ Left-Through		0	
	↷ Through	1153	2	393
	↷↶ Through-Right		1	
	↷ Right	27	0	27
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		426
		<i>East-West:</i>		638
		<i>SUM:</i>		1064
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.709
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.609</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: 36

PROJECT TITLE: AMPAS  
 North-South Street: Hauser Boulevard East-West Street: Olympic Boulevard  
 Scenario: Existing with Project with Mitigation  
 Count Date: Analyst: Date:

		FRIDAY PM PEAK HOUR		
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	24	1	24
	Left-Through		0	
	Through	480	0	552
	Through-Right		1	
	Right	72	0	0
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	84	1	84
	Left-Through		0	
	Through	508	0	551
	Through-Right		1	
	Right	43	0	0
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	82	1	82
	Left-Through		0	
	Through	1852	2	630
	Through-Right		1	
	Right	38	0	38
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	66	1	66
	Left-Through		0	
	Through	1114	2	390
	Through-Right		1	
	Right	55	0	55
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		636
		<i>East-West:</i>		696
		<i>SUM:</i>		1332
VOLUME/CAPACITY (V/C) RATIO:				0.888
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.788</b>
LEVEL OF SERVICE (LOS):				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**37**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	21	0	21
	↶↷ Left-Through		0	
	↷ Through	159	0	251
	↷↶ Through-Right		0	
	↷ Right	71	0	0
	↷↶ Left-Through-Right		1	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	54	0	54
	↷↶ Left-Through		0	
	↷ Through	169	0	246
	↷↶ Through-Right		0	
	↷ Right	23	0	0
	↷↶ Left-Through-Right		1	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	29	1	29
	↶↷ Left-Through		0	
	↶ Through	1776	2	599
	↶↷ Through-Right		1	
	↶ Right	20	0	20
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	60	1	60
	↷↶ Left-Through		0	
	↷ Through	1125	2	387
	↷↶ Through-Right		1	
	↷ Right	35	0	35
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		305
		<b>East-West:</b>		659
		<b>SUM:</b>		964
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.643
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.543</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>





# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**38**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Pico Boulevard  
**Scenario:** Existing with Project with Mitigation  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				3
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	150	1	150
	↵↔ Left-Through		0	
	↔ Through	564	2	282
	↔↗ Through-Right		0	
	↗ Right	152	1	117
	↗↔ Left-Through-Right		0	
	↗↘ Left-Right		0	
<b>SOUTHBOUND</b>	↘ Left	68	1	68
	↘↔ Left-Through		0	
	↘ Through	678	2	339
	↘↗ Through-Right		0	
	↘↗ Right	39	1	11
	↘↗↔ Left-Through-Right		0	
	↘↗↘ Left-Right		0	
<b>EASTBOUND</b>	↘ Left	57	1	57
	↘↔ Left-Through		0	
	↘ Through	1294	1	690
	↘↗ Through-Right		1	
	↘↗ Right	86	0	86
	↘↗↔ Left-Through-Right		0	
	↘↗↘ Left-Right		0	
<b>WESTBOUND</b>	↘ Left	70	1	70
	↘↔ Left-Through		0	
	↘ Through	699	1	367
	↘↗ Through-Right		1	
	↘↗ Right	35	0	35
	↘↗↔ Left-Through-Right		0	
	↘↗↘ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		489
		<i>East-West:</i>		760
		<i>SUM:</i>		1249
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.876
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.776</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>

EXISTING WITH PROJECT WITH MITIGATION CONDITIONS

**AMPAS Museum**

Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

**FRIDAY PM PEAK HOUR**

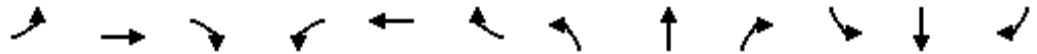
Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	137	0.000	N/S 1: 0.364 * N/S 2: 0.347 E/W 1: 0.445 * E/W 2: 0.379
	Through	3.00	4,800	1,019	0.254	
	Left	1.00	1,600	162	0.107 *	
Westbound	Right	0.00	0	90	0.000	V/C Ratio: 0.809 Loss Time: 0.100 ITS: 0.000
	Through	3.00	4,800	1,170	0.276	
	Left	1.00	1,600	213	0.140 *	
Northbound	Right	0.00	0	182	0.000	ICU: 0.909
	Through	3.00	4,800	990	0.257 *	
	Left	1.00	1,600	141	0.093	
Eastbound	Right	0.00	0	125	0.000	LOS: E
	Through	3.00	4,800	1,267	0.305 *	
	Left	1.00	1,600	156	0.103	

\* Critical Movement

# HCM Signalized Intersection Capacity Analysis

## 43: Santa Monica Blvd & Fairfax Ave

8/15/2013



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	243	983	84	185	665	121	90	829	226	96	689	92
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Frt	1.00	0.99		1.00	0.98		1.00	1.00	0.85	1.00	0.98	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2982		1509	2948		1509	3018	1350	1509	2964	
Flt Permitted	0.24	1.00		0.13	1.00		0.17	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	389	2982		211	2948		263	3018	1350	260	2964	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	256	1035	88	195	700	127	95	873	238	101	725	97
RTOR Reduction (vph)	0	6	0	0	15	0	0	0	97	0	11	0
Lane Group Flow (vph)	256	1117	0	195	812	0	95	873	141	101	812	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	54.0	47.0		54.0	47.0		32.2	25.2	25.2	31.1	24.9	
Effective Green, g (s)	52.0	47.0		52.0	47.0		30.2	25.3	25.3	30.1	25.0	
Actuated g/C Ratio	0.52	0.47		0.52	0.47		0.30	0.25	0.25	0.30	0.25	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	269	1402		188	1386		154	764	342	149	741	
v/s Ratio Prot	0.06	0.37		c0.06	0.28		0.04	c0.29		c0.04	0.27	
v/s Ratio Perm	0.44			c0.48			0.15		0.10	0.16		
v/c Ratio	0.95	0.80		1.04	0.59		0.62	1.14	0.41	0.68	1.10	
Uniform Delay, d1	21.2	22.4		20.2	19.4		28.1	37.4	31.1	28.4	37.5	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.70	0.59	
Incremental Delay, d2	41.3	4.8		75.8	1.8		17.1	79.4	3.6	8.4	60.6	
Delay (s)	62.6	27.2		95.9	21.2		45.3	116.8	34.8	28.2	82.6	
Level of Service	E	C		F	C		D	F	C	C	F	
Approach Delay (s)		33.8			35.5			95.0			76.6	
Approach LOS		C			D			F			E	

### Intersection Summary

HCM Average Control Delay	59.2	HCM Level of Service	E
HCM Volume to Capacity ratio	0.99		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	93.5%	ICU Level of Service	F
Analysis Period (min)	15		
c Critical Lane Group			



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**1**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Sunset Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				4			4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 3	<i>SB --</i> 0	0	<i>NB --</i> 3	<i>SB --</i> 0	0
		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	147	1	147	152	1	152
	Left-Through		0			0	
	Through	574	2	287	587	2	294
	Through-Right		0			0	
	Right	256	1	24	246	1	0
	Left-Through-Right		0			0	
<b>SOUTHBOUND</b>	Left	75	1	75	76	1	76
	Left-Through		0			0	
	Through	605	2	303	670	2	335
	Through-Right		0			0	
	Right	209	1	125	191	1	106
	Left-Through-Right		0			0	
<b>EASTBOUND</b>	Left	168	1	168	170	1	170
	Left-Through		0			0	
	Through	1070	2	535	1091	2	546
	Through-Right		0			0	
	Right	176	1	103	169	1	93
	Left-Through-Right		0			0	
<b>WESTBOUND</b>	Left	232	1	232	250	1	250
	Left-Through		0			0	
	Through	1102	2	551	1012	2	506
	Through-Right		0			0	
	Right	69	1	32	46	1	8
	Left-Through-Right		0			0	
				0			0
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 450 <i>East-West:</i> 767 <i>SUM:</i> 1217			<i>North-South:</i> 487 <i>East-West:</i> 796 <i>SUM:</i> 1283
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.885			0.933
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.785</b>			<b>0.833</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>			<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**3**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: Melrose Avenue**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				3 0 0 0 2 0			3 0 0 0 2 0
		<i>NB</i> -- 0	<i>SB</i> -- 0		<i>NB</i> -- 0	<i>SB</i> -- 0	
		<i>EB</i> -- 0	<i>WB</i> -- 0		<i>EB</i> -- 0	<i>WB</i> -- 0	
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	107	1	107	79	1	79
	↵↔ Left-Through		0			0	
	↔ Through	809	2	338	790	2	316
	↔↘ Through-Right		1			1	
	↘ Right	205	0	205	159	0	159
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	109	1	109	110	1	110
	↵↔ Left-Through		0			0	
	↔ Through	941	2	370	1003	2	387
	↔↘ Through-Right		1			1	
	↘ Right	169	0	169	159	0	159
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	133	1	133	160	1	160
	↵↔ Left-Through		0			0	
	↔ Through	775	1	469	824	1	499
	↔↘ Through-Right		1			1	
	↘ Right	163	0	163	173	0	173
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	221	1	221	254	1	254
	↵↔ Left-Through		0			0	
	↔ Through	756	1	435	769	1	447
	↔↘ Through-Right		1			1	
	↘ Right	114	0	114	124	0	124
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 477 <i>East-West:</i> 690 <i>SUM:</i> 1167			<i>North-South:</i> 466 <i>East-West:</i> 753 <i>SUM:</i> 1219
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.819			0.855
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.719</b>			<b>0.755</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>			<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**4**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Beverly Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**    **Analyst:**    **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>No. of Phases</b> Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity							
		4			4		
		0			0		
		<i>NB</i> -- 3	<i>SB</i> -- 0	0	<i>NB</i> -- 3	<i>SB</i> -- 0	0
		<i>EB</i> -- 3	<i>WB</i> -- 3	3	<i>EB</i> -- 3	<i>WB</i> -- 3	3
		2			2		
		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	117	1	117	132	1	132
	↵↔ Left-Through	0	0	0	0	0	0
	↔ Through	834	2	417	789	2	395
	↔↔ Through-Right	0	0	0	0	0	0
	↔↔ Right	266	1	40	220	1	3
	↔↔↔ Left-Through-Right	0	0	0	0	0	0
↔↔↔ Left-Right	0	0	0	0	0	0	
<b>SOUTHBOUND</b>	↵ Left	171	1	171	164	1	164
	↵↔ Left-Through	0	0	0	0	0	0
	↔ Through	1071	1	610	1114	1	651
	↔↔ Through-Right	0	1	0	0	1	0
	↔↔ Right	149	0	149	187	0	187
	↔↔↔ Left-Through-Right	0	0	0	0	0	0
↔↔↔ Left-Right	0	0	0	0	0	0	
<b>EASTBOUND</b>	↵ Left	102	1	102	122	1	122
	↵↔ Left-Through	0	0	0	0	0	0
	↔ Through	1009	2	505	990	2	495
	↔↔ Through-Right	0	0	0	0	0	0
	↔↔ Right	158	1	41	170	1	38
	↔↔↔ Left-Through-Right	0	0	0	0	0	0
↔↔↔ Left-Right	0	0	0	0	0	0	
<b>WESTBOUND</b>	↵ Left	226	1	226	217	1	217
	↵↔ Left-Through	0	0	0	0	0	0
	↔ Through	1136	2	568	990	2	495
	↔↔ Through-Right	0	0	0	0	0	0
	↔↔ Right	122	1	0	171	1	7
	↔↔↔ Left-Through-Right	0	0	0	0	0	0
↔↔↔ Left-Right	0	0	0	0	0	0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 727			<i>North-South:</i> 783		
		<i>East-West:</i> 731			<i>East-West:</i> 712		
		<i>SUM:</i> 1458			<i>SUM:</i> 1495		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		1.060			1.087		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.960</b>			<b>0.987</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>E</b>			<b>E</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**5**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boulc **East-West Street:** 3rd Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 0	0	<i>NB --</i> 0	<i>SB --</i> 0	0
		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	44	0	44	58	0	58
	↵↔ Left-Through		1			1	
	↔ Through	517	0	561	555	0	613
	↔↗ Through-Right		0			0	
	↗ Right	27	1	27	44	1	44
	↗↔ Left-Through-Right		0			0	
	↗↔ Left-Right		0			0	
<b>SOUTHBOUND</b>	↵ Left	51	0	51	73	0	73
	↵↔ Left-Through		1			1	
	↔ Through	544	0	595	498	0	571
	↔↗ Through-Right		0			0	
	↗ Right	87	1	87	117	1	117
	↗↔ Left-Through-Right		0			0	
	↗↔ Left-Right		0			0	
<b>EASTBOUND</b>	↵ Left	68	0	68	67	0	67
	↵↔ Left-Through		1			1	
	↔ Through	922	0	629	931	0	648
	↔↗ Through-Right		1			1	
	↗ Right	63	0	629	97	0	648
	↗↔ Left-Through-Right		0			0	
	↗↔ Left-Right		0			0	
<b>WESTBOUND</b>	↵ Left	60	0	60	57	0	57
	↵↔ Left-Through		1			1	
	↔ Through	827	0	560	842	0	620
	↔↗ Through-Right		1			1	
	↗ Right	53	0	560	56	0	620
	↗↔ Left-Through-Right		0			0	
	↗↔ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 639 <i>East-West:</i> 689 <i>SUM:</i> 1328			<i>North-South:</i> 686 <i>East-West:</i> 705 <i>SUM:</i> 1391
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.885			0.927
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.785</b>			<b>0.827</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>			<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**6**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: 3rd Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>No. of Phases</b> Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				4			4
				0			0
		<i>NB --</i> 0	<i>SB --</i>	0	<i>NB --</i> 0	<i>SB --</i>	0
		<i>EB --</i> 0	<i>WB --</i>	3	<i>EB --</i> 0	<i>WB --</i>	3
				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	95	1	95	103	1	103
	↙↔ Left-Through		0			0	
	↔ Through	860	2	430	811	2	406
	↔↘ Through-Right		0			0	
	↘ Right	97	1	0	146	1	41
	↙↘ Left-Through-Right		0			0	
↙↔↘ Left-Right		0			0		
<b>SOUTHBOUND</b>	↘ Left	195	1	195	215	1	215
	↘↔ Left-Through		0			0	
	↔ Through	991	1	585	980	1	604
	↔↙ Through-Right		1			1	
	↙ Right	179	0	179	228	0	228
	↘↙ Left-Through-Right		0			0	
↘↔↙ Left-Right		0			0		
<b>EASTBOUND</b>	↘ Left	194	1	194	233	1	233
	↘↔ Left-Through		0			0	
	↔ Through	890	1	495	785	1	452
	↔↙ Through-Right		1			1	
	↙ Right	99	0	99	119	0	119
	↘↙ Left-Through-Right		0			0	
↘↔↙ Left-Right		0			0		
<b>WESTBOUND</b>	↙ Left	199	1	199	210	1	210
	↙↔ Left-Through		0			0	
	↔ Through	707	2	354	731	2	366
	↔↘ Through-Right		0			0	
	↘ Right	177	1	0	305	1	90
	↙↘ Left-Through-Right		0			0	
↙↔↘ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 680 <i>East-West:</i> 694 <i>SUM:</i> 1374			<i>North-South:</i> 707 <i>East-West:</i> 662 <i>SUM:</i> 1369
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.999			0.996
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.899</b>			<b>0.896</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>			<b>D</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**7**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Martel Avenue/Hauser Blvd **East-West Street:** 3rd Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	186	1	186	220	1	220
	↶↷ Left-Through		0			0	
	↷ Through	255	1	255	217	1	217
	↷↶ Through-Right		0			0	
	↷ Right	105	1	65	123	1	74
	↷↷ Left-Through-Right		0			0	
	↷↷ Left-Right		0			0	
<b>SOUTHBOUND</b>	↷ Left	20	0	20	14	0	14
	↷↷ Left-Through		0			0	
	↷ Through	256	0	320	176	0	230
	↷↶ Through-Right		0			0	
	↷ Right	44	0	0	40	0	0
	↷↷ Left-Through-Right		1			1	
	↷↷ Left-Right		0			0	
<b>EASTBOUND</b>	↶ Left	33	1	33	37	1	37
	↶↷ Left-Through		0			0	
	↶ Through	1041	1	617	1029	1	617
	↶↶ Through-Right		1			1	
	↶ Right	193	0	193	205	0	205
	↶↷ Left-Through-Right		0			0	
	↶↷ Left-Right		0			0	
<b>WESTBOUND</b>	↷ Left	81	1	81	99	1	99
	↷↶ Left-Through		0			0	
	↷ Through	1033	1	531	1304	1	666
	↷↷ Through-Right		1			1	
	↷ Right	29	0	29	28	0	28
	↷↶ Left-Through-Right		0			0	
	↷↶ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 506			<i>North-South:</i> 450		
		<i>East-West:</i> 698			<i>East-West:</i> 716		
		<b>SUM:</b> 1204			<b>SUM:</b> 1166		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.803			0.777		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.703</b>			<b>0.677</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>C</b>			<b>B</b>		



## Level of Service Worksheet (Circular 212 Method)



I/S #: 8

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue/Alta V     **East-West Street:** 3rd Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**     **Analyst:**     **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
Override Capacity		2			2		
		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	20	0	20	109	0	109
	Left-Through		0			0	
	Through	89	0	131	86	0	243
	Through-Right		0			0	
	Right	22	0	0	48	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
<b>SOUTHBOUND</b>	Left	60	0	60	11	0	11
	Left-Through		0			0	
	Through	117	0	218	49	0	71
	Through-Right		0			0	
	Right	41	0	0	11	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
<b>EASTBOUND</b>	Left	47	1	47	8	1	8
	Left-Through		0			0	
	Through	985	1	495	1067	1	556
	Through-Right		1			1	
	Right	5	0	5	45	0	45
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>WESTBOUND</b>	Left	7	1	7	47	1	47
	Left-Through		0			0	
	Through	1136	1	581	1253	1	629
	Through-Right		1			1	
	Right	26	0	26	5	0	5
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>CRITICAL VOLUMES</b>		North-South: 238			North-South: 254		
		East-West: 628			East-West: 637		
		<b>SUM:</b> 866			<b>SUM:</b> 891		
VOLUME/CAPACITY (V/C) RATIO:		0.577			0.594		
V/C LESS ATSAC/ATCS ADJUSTMENT:		<b>0.477</b>			<b>0.494</b>		
LEVEL OF SERVICE (LOS):		<b>A</b>			<b>A</b>		



## Level of Service Worksheet (Circular 212 Method)



I/S #: **9**

**PROJECT TITLE: AMPAS**  
**North-South Street: La Brea Avenue**      **East-West Street: 3rd Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases							
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?							
Right Turns: FREE-1, NRTOR-2 or OLA-3?							
ATSAC-1 or ATSAC+ATCS-2?							
Override Capacity							
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	144	1	144	181	1	181
	Left-Through		0			0	
	Through	1320	1	705	1103	1	586
	Through-Right		1			1	
	Right	90	0	90	68	0	68
	Left-Through-Right		0			0	
SOUTHBOUND	Left	89	1	89	92	1	92
	Left-Through		0			0	
	Through	1237	1	683	1199	1	684
	Through-Right		1			1	
	Right	129	0	129	168	0	168
	Left-Through-Right		0			0	
EASTBOUND	Left	123	1	123	114	1	114
	Left-Through		0			0	
	Through	885	2	443	756	2	378
	Through-Right		0			0	
	Right	162	1	90	198	1	108
	Left-Through-Right		0			0	
WESTBOUND	Left	114	1	114	82	1	82
	Left-Through		0			0	
	Through	821	1	466	969	1	528
	Through-Right		1			1	
	Right	110	0	110	86	0	86
	Left-Through-Right		0			0	
CRITICAL VOLUMES		North-South: 827			North-South: 865		
		East-West: 589			East-West: 642		
		SUM: 1416			SUM: 1507		
VOLUME/CAPACITY (V/C) RATIO:		1.030			1.096		
V/C LESS ATSAC/ATCS ADJUSTMENT:		<b>0.930</b>			<b>0.996</b>		
LEVEL OF SERVICE (LOS):		<b>E</b>			<b>E</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**10**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: Colgate Avenue**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	24	1	24	28	1	28
	↶↷ Left-Through		0			0	
	↷ Through	1104	1	617	1191	1	600
	↷↶ Through-Right		1			1	
	↷ Right	129	0	129	9	0	9
	↷↶↷ Left-Through-Right		0			0	
	↷↶↷ Left-Right		0			0	
<b>SOUTHBOUND</b>	↷ Left	22	1	22	16	1	16
	↷↶ Left-Through		0			0	
	↷ Through	1241	1	636	1174	1	638
	↷↶ Through-Right		1			1	
	↷ Right	30	0	30	102	0	102
	↷↶ Left-Through-Right		0			0	
	↷↶ Left-Right		0			0	
<b>EASTBOUND</b>	↶ Left	8	0	8	99	0	99
	↶↷ Left-Through		0			0	
	↶ Through	40	0	73	25	0	145
	↶↷ Through-Right		0			0	
	↶ Right	25	0	0	21	0	0
	↶↷ Left-Through-Right		1			1	
	↶↷ Left-Right		0			0	
<b>WESTBOUND</b>	↷ Left	173	0	173	7	0	7
	↷↶ Left-Through		0			0	
	↷ Through	51	0	247	18	0	37
	↷↶ Through-Right		0			0	
	↷ Right	23	0	0	12	0	0
	↷↶ Left-Through-Right		1			1	
	↷↶ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 660			<i>North-South:</i> 666		
		<i>East-West:</i> 255			<i>East-West:</i> 152		
		<i>SUM:</i> 915			<i>SUM:</i> 818		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.610			0.545		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.510</b>			<b>0.445</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>			<b>A</b>		





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**12**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boulc **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 0	0	<i>NB --</i> 0	<i>SB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	42	0	42	47	0	47
	↶↷ Left-Through		1			1	
	↷ Through	571	0	398	567	0	403
	↷↶ Through-Right		1			1	
	↷ Right	57	0	398	50	0	403
	↷↶ Left-Through-Right		0			0	
	↷↶ Left-Right		0			0	
<b>SOUTHBOUND</b>	↷ Left	23	0	23	26	0	26
	↷↶ Left-Through		1			1	
	↷ Through	648	0	400	617	0	392
	↷↶ Through-Right		1			1	
	↷ Right	59	0	400	62	0	392
	↷↶ Left-Through-Right		0			0	
	↷↶ Left-Right		0			0	
<b>EASTBOUND</b>	↶ Left	42	0	42	41	0	41
	↶↷ Left-Through		0			0	
	↶ Through	286	0	371	287	0	396
	↶↷ Through-Right		0			0	
	↶ Right	43	0	0	68	0	0
	↶↷ Left-Through-Right		1			1	
	↶↷ Left-Right		0			0	
<b>WESTBOUND</b>	↷ Left	28	0	28	33	0	33
	↷↶ Left-Through		0			0	
	↷ Through	323	0	385	261	0	322
	↷↶ Through-Right		0			0	
	↷ Right	34	0	0	28	0	0
	↷↶ Left-Through-Right		1			1	
	↷↶ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 442 <i>East-West:</i> 427 <i>SUM:</i> 869			<i>North-South:</i> 439 <i>East-West:</i> 429 <i>SUM:</i> 868
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.579			0.579
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.479</b>			<b>0.479</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>

**I/S #:**  
**13**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**    **Analyst:**    **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases				3			3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB -- 0	0	NB -- 2	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
Override Capacity				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	↙ Left	23	1	23	14	1	14
	↙↔ Left-Through		0			0	
	↔ Through	999	2	500	1080	2	540
	↔→ Through-Right		0			0	
	↘ Right	163	1	163	190	1	190
	↘↔ Left-Through-Right		0			0	
SOUTHBOUND	↘ Left	189	1	189	150	1	150
	↘↔ Left-Through		0			0	
	↔ Through	1244	1	637	1127	1	589
	↔→ Through-Right		1			1	
	↘ Right	30	0	30	50	0	50
	↘↔ Left-Through-Right		0			0	
EASTBOUND	↙ Left	45	1	45	22	1	22
	↙↔ Left-Through		0			0	
	↔ Through	361	0	388	264	0	284
	↔→ Through-Right		1			1	
	↘ Right	27	0	0	20	0	0
	↘↔ Left-Through-Right		0			0	
WESTBOUND	↙ Left	167	2	92	214	2	118
	↙↔ Left-Through		0			0	
	↔ Through	331	1	331	272	1	272
	↔→ Through-Right		0			0	
	↘ Right	188	1	94	192	1	117
	↘↔ Left-Through-Right		0			0	
CRITICAL VOLUMES		<i>North-South:</i>		689	<i>North-South:</i>		690
		<i>East-West:</i>		480	<i>East-West:</i>		402
		<b>SUM:</b>		1169	<b>SUM:</b>		1092
VOLUME/CAPACITY (V/C) RATIO:				0.820			0.766
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.720</b>			<b>0.666</b>
LEVEL OF SERVICE (LOS):				<b>C</b>			<b>B</b>



### Level of Service Worksheet (Circular 212 Method)



**I/S #:** 14      **PROJECT TITLE:** AMPAS  
**North-South Street:** Odgen Drive/Project Dv      **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases					2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?					0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0		NB -- 0	SB -- 0	
		EB -- 0	WB -- 0		EB -- 0	WB -- 0	
ATSAC-1 or ATSAC+ATCS-2?					2		
Override Capacity					0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	↙ Left	107	0	107	97	0	97
	↙↔ Left-Through		0			0	
	↔ Through	0	0	0	0	0	0
	↔↘ Through-Right		0			0	
	↘ Right	57	0	164	70	0	167
	↙↔↘ Left-Through-Right		0			0	
	↔↘ Left-Right		1			1	
SOUTHBOUND	↘ Left	4	0	4	11	0	11
	↘↔ Left-Through		0			0	
	↔ Through	0	0	0	0	0	0
	↔↘ Through-Right		0			0	
	↘ Right	19	0	23	28	0	39
	↘↔ Left-Through-Right		0			0	
	↔↘ Left-Right		1			1	
EASTBOUND	↘ Left	13	1	13	11	1	11
	↘↔ Left-Through		0			0	
	↔ Through	575	1	355	496	1	332
	↔↘ Through-Right		1			1	
	↘ Right	134	0	134	167	0	167
	↘↔ Left-Through-Right		0			0	
	↔↘ Left-Right		0			0	
WESTBOUND	↙ Left	73	1	73	83	1	83
	↙↔ Left-Through		0			0	
	↔ Through	580	1	294	560	1	284
	↔↙ Through-Right		1			1	
	↙ Right	8	0	8	7	0	7
	↙↔ Left-Through-Right		0			0	
	↔↙ Left-Right		0			0	
CRITICAL VOLUMES		North-South: 168			North-South: 178		
		East-West: 428			East-West: 415		
		SUM: 596			SUM: 593		
VOLUME/CAPACITY (V/C) RATIO:		0.397			0.395		
V/C LESS ATSAC/ATCS ADJUSTMENT:		0.297			0.295		
LEVEL OF SERVICE (LOS):		A			A		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 0	0	<i>NB --</i> 0	<i>SB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	90	1	90	75	1	75
	Left-Through		0			0	
	Through	48	0	168	75	0	167
	Through-Right		1			1	
	Right	120	0	0	92	0	0
	Left-Through-Right		0			0	
<b>SOUTHBOUND</b>	Left	54	1	54	49	1	49
	Left-Through		0			0	
	Through	45	0	93	57	0	95
	Through-Right		1			1	
	Right	48	0	0	38	0	0
	Left-Through-Right		0			0	
<b>EASTBOUND</b>	Left	26	1	26	47	1	47
	Left-Through		0			0	
	Through	508	1	295	451	1	257
	Through-Right		1			1	
	Right	82	0	82	63	0	63
	Left-Through-Right		0			0	
<b>WESTBOUND</b>	Left	84	1	84	100	1	100
	Left-Through		0			0	
	Through	530	1	296	554	1	315
	Through-Right		1			1	
	Right	61	0	61	76	0	76
	Left-Through-Right		0			0	
CRITICAL VOLUMES		<i>North-South:</i> 222			<i>North-South:</i> 216		
		<i>East-West:</i> 379			<i>East-West:</i> 362		
		<i>SUM:</i> 601			<i>SUM:</i> 578		
VOLUME/CAPACITY (V/C) RATIO:				0.401			
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.301			
LEVEL OF SERVICE (LOS):				A			

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**16**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
Override Capacity		2			2		
0		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	64	1	64	101	1	101
	↙↔ Left-Through		0			0	
	↔ Through	323	0	362	541	0	597
	↔↘ Through-Right		1			1	
	↘ Right	39	0	0	56	0	0
	↙↔↘ Left-Through-Right		0			0	
	↙↔↘ Left-Right		0			0	
<b>SOUTHBOUND</b>	↘ Left	30	1	30	42	1	42
	↘↔ Left-Through		0			0	
	↔ Through	379	1	379	367	1	367
	↔↙ Through-Right		0			0	
	↙ Right	114	1	114	80	1	80
	↘↔↙ Left-Through-Right		0			0	
	↘↔↙ Left-Right		0			0	
<b>EASTBOUND</b>	↙ Left	81	0	81	61	0	61
	↙↔ Left-Through		1			1	
	↔ Through	592	0	412	546	0	424
	↔↘ Through-Right		1			1	
	↘ Right	69	0	412	57	0	424
	↙↔↘ Left-Through-Right		0			0	
	↙↔↘ Left-Right		0			0	
<b>WESTBOUND</b>	↘ Left	32	0	32	22	0	22
	↘↔ Left-Through		1			1	
	↔ Through	521	0	344	544	0	352
	↔↙ Through-Right		1			1	
	↙ Right	38	0	344	71	0	352
	↘↔↙ Left-Through-Right		0			0	
	↘↔↙ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 443			<i>North-South:</i> 639		
		<i>East-West:</i> 444			<i>East-West:</i> 446		
		<b>SUM:</b> 887			<b>SUM:</b> 1085		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.591			0.723		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.491</b>			<b>0.623</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>			<b>B</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE: AMPAS**

**North-South Street: Burnside Avenue**

**East-West Street: 6th Street**

**Scenario: Future with Project (Year 2017)**

**Count Date:**

**Analyst:**

**Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
<b>No. of Phases</b> Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2			2
				0			0
		<b>NB --</b>	<b>SB --</b>	0	<b>NB --</b>	<b>SB --</b>	0
		<b>EB --</b>	<b>WB --</b>	0	<b>EB --</b>	<b>WB --</b>	0
				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	20	0	20	17	0	17
	Left-Through		0		0		
	Through	38	0	91	56	0	97
	Through-Right		0			0	
	Right	33	0	0	24	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
SOUTHBOUND	Left	83	0	83	60	0	60
	Left-Through		1		1		
	Through	41	0	124	45	0	105
	Through-Right		0			0	
	Right	20	1	20	15	1	15
	Left-Through-Right		0			0	
	Left-Right		0			0	
EASTBOUND	Left	15	0	15	26	0	26
	Left-Through		1		1		
	Through	636	0	357	580	0	368
	Through-Right		1			1	
	Right	18	0	357	51	0	368
	Left-Through-Right		0			0	
	Left-Right		0			0	
WESTBOUND	Left	34	0	34	28	0	28
	Left-Through		1		1		
	Through	581	0	393	561	0	378
	Through-Right		1			1	
	Right	69	0	393	83	0	378
	Left-Through-Right		0			0	
	Left-Right		0			0	
CRITICAL VOLUMES				North-South: 174 East-West: 408 SUM: 582			North-South: 157 East-West: 404 SUM: 561
VOLUME/CAPACITY (V/C) RATIO:				0.388			0.374
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.288			0.274
LEVEL OF SERVICE (LOS):				A			A

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**18**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2			2
				0			0
		<i>NB</i> -- 0	<i>SB</i> --	0	<i>NB</i> -- 0	<i>SB</i> --	0
		<i>EB</i> -- 0	<i>WB</i> --	0	<i>EB</i> -- 0	<i>WB</i> --	0
				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	↵ Left	26	0	26	35	0	35
	↵↘ Left-Through		0			0	
	↘ Through	114	0	167	170	0	230
	↘↗ Through-Right		0			0	
	↗ Right	27	0	0	25	0	0
	↗↘ Left-Through-Right		1			1	
SOUTHBOUND	↘ Left	7	0	7	8	0	8
	↘↗ Left-Through		0			0	
	↗ Through	120	0	176	94	0	173
	↗↘ Through-Right		0			0	
	↘ Right	49	0	0	71	0	0
	↘↗ Left-Through-Right		1			1	
EASTBOUND	↘ Left	66	0	66	50	0	50
	↘↗ Left-Through		1			1	
	↗ Through	633	0	404	552	0	602
	↗↘ Through-Right		1			0	
	↘ Right	42	0	404	62	1	62
	↘↗ Left-Through-Right		0			0	
WESTBOUND	↘ Left	35	0	35	41	0	41
	↘↗ Left-Through		1			1	
	↗ Through	563	0	598	551	0	592
	↗↘ Through-Right		0			0	
	↘ Right	25	1	25	25	1	25
	↘↗ Left-Through-Right		0			0	
	↘↗ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 202			<i>North-South:</i> 238
				<i>East-West:</i> 664			<i>East-West:</i> 643
				<b>SUM:</b> 866			<b>SUM:</b> 881
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.577			0.587
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.477</b>			<b>0.487</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>

## Level of Service Worksheet (Circular 212 Method)



I/S #: **19**

**PROJECT TITLE: AMPAS**  
**North-South Street: La Brea Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	66	1	66	74	1	74
	↶↷ Left-Through		0			0	
	↷ Through	1340	2	670	1441	2	721
	↷↶ Through-Right		0			0	
	↷ Right	53	1	53	47	1	47
	↷↷ Left-Through-Right		0			0	
↷↷ Left-Right		0			0		
<b>SOUTHBOUND</b>	↷ Left	80	1	80	64	1	64
	↷↶ Left-Through		0			0	
	↷ Through	1312	2	469	1378	2	486
	↷↶ Through-Right		1			1	
	↷ Right	95	0	95	79	0	79
	↷↷ Left-Through-Right		0			0	
↷↷ Left-Right		0			0		
<b>EASTBOUND</b>	↷ Left	79	0	79	116	0	116
	↷↶ Left-Through		1			1	
	↷ Through	515	0	382	432	0	404
	↷↶ Through-Right		1			1	
	↷ Right	90	0	382	143	0	404
	↷↷ Left-Through-Right		0			0	
↷↷ Left-Right		0			0		
<b>WESTBOUND</b>	↷ Left	35	0	35	35	0	35
	↷↶ Left-Through		1			1	
	↷ Through	469	0	504	503	0	538
	↷↶ Through-Right		0			0	
	↷ Right	92	1	52	85	1	53
	↷↷ Left-Through-Right		0			0	
↷↷ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		North-South: 750			North-South: 785		
		East-West: 583			East-West: 654		
		SUM: 1333			SUM: 1439		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.889			0.959		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.789</b>			<b>0.859</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>C</b>			<b>D</b>		

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**21**

**PROJECT TITLE: AMPAS**  
**North-South Street: San Vicente Boulevard East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date: Analyst: Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR				
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume		
<b>No. of Phases</b> Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				4 0 0 0 2 0			4 0 0 0 2 0		
		<i>NB --</i>	<i>SB --</i>		<i>NB --</i>	<i>SB --</i>			
		0	0		0	0			
		<i>EB --</i>	<i>WB --</i>		<i>EB --</i>	<i>WB --</i>			
		0	0		0	0			
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume		
<b>NORTHBOUND</b>	↵ Left	199	2	109	119	2	65		
	↵↔ Left-Through		0			0			
	↔ Through	597	2	209	435	2	150		
	↔↗ Through-Right		1			1			
	↗ Right	29	0	29	16	0	16		
	↗↔ Left-Through-Right		0			0			
	↗↔↗ Left-Right		0			0			
<b>SOUTHBOUND</b>	↵ Left	193	2	106	100	2	55		
	↵↔ Left-Through		0			0			
	↔ Through	615	3	205	444	3	148		
	↔↗ Through-Right		0			0			
	↗ Right	108	0	0	0	0	0		
	↗↔ Left-Through-Right		0			0			
	↗↔↗ Left-Right		0			0			
<b>EASTBOUND</b>	↵ Left	87	1	87	48	1	48		
	↵↔ Left-Through		0			0			
	↔ Through	1142	2	445	940	2	356		
	↔↗ Through-Right		1			1			
	↗ Right	193	0	193	127	0	127		
	↗↔ Left-Through-Right		0			0			
	↗↔↗ Left-Right		0			0			
<b>WESTBOUND</b>	↵ Left	33	1	33	19	1	19		
	↵↔ Left-Through		0			0			
	↔ Through	1037	2	423	895	2	348		
	↔↗ Through-Right		1			1			
	↗ Right	231	0	231	150	0	150		
	↗↔ Left-Through-Right		0			0			
	↗↔↗ Left-Right		0			0			
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> <i>East-West:</i> <i>SUM:</i>	315 510 825			<i>North-South:</i> <i>East-West:</i> <i>SUM:</i>	213 396 609
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.600			0.443		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.500</b>			<b>0.343</b>		
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>		



## Level of Service Worksheet (Circular 212 Method)



I/S #: 22

PROJECT TITLE: AMPAS  
 North-South Street: Crescent Heights Boulevard East-West Street: Wilshire Boulevard  
 Scenario: Future with Project (Year 2017)  
 Count Date: Analyst: Date:

MOVEMENT		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2			2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	3	0	0	0	0	0
	Left-Through		0			0	
	Through	533	1	321	617	1	350
	Through-Right		1			1	
	Right	109	0	109	82	0	82
	Left-Through-Right		0			0	
	Left-Right		0			0	
SOUTHBOUND	Left	105	0	105	83	0	83
	Left-Through		1			1	
	Through	474	0	516	448	0	452
	Through-Right		1			1	
	Right	138	0	516	123	0	452
	Left-Through-Right		0			0	
	Left-Right		0			0	
EASTBOUND	Left	106	1	106	112	1	112
	Left-Through		0			0	
	Through	1186	2	440	1074	2	368
	Through-Right		1			1	
	Right	135	0	135	29	0	29
	Left-Through-Right		0			0	
	Left-Right		0			0	
WESTBOUND	Left	90	1	90	16	1	16
	Left-Through		0			0	
	Through	1085	2	411	996	2	371
	Through-Right		1			1	
	Right	148	0	148	116	0	116
	Left-Through-Right		0			0	
	Left-Right		0			0	
CRITICAL VOLUMES				<i>North-South:</i> 516			<i>North-South:</i> 452
				<i>East-West:</i> 530			<i>East-West:</i> 483
				<i>SUM:</i> 1046			<i>SUM:</i> 935
VOLUME/CAPACITY (V/C) RATIO:				0.697			0.623
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.597</b>			<b>0.523</b>
LEVEL OF SERVICE (LOS):				<b>A</b>			<b>A</b>

## Level of Service Worksheet (Circular 212 Method)



I/S #: **23**

PROJECT TITLE: AMPAS  
 North-South Street: Fairfax Avenue East-West Street: Wilshire Boulevard  
 Scenario: Future with Project (Year 2017)  
 Count Date: Analyst: Date:

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				4			4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 3	3	NB -- 0	SB -- 3	3
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	144	1	144	101	1	101
	↶↷ Left-Through		0			0	
	↷ Through	841	1	479	833	1	462
	↷↶ Through-Right		1			1	
	↷ Right	116	0	116	90	0	90
	↷↷ Left-Through-Right		0			0	
	↷↷ Left-Right		0			0	
<b>SOUTHBOUND</b>	↷ Left	196	1	196	195	1	195
	↷↷ Left-Through		0			0	
	↷ Through	916	2	458	920	2	460
	↷↶ Through-Right		0			0	
	↷ Right	260	1	42	165	1	0
	↷↷ Left-Through-Right		0			0	
	↷↷ Left-Right		0			0	
<b>EASTBOUND</b>	↶ Left	218	1	218	194	1	194
	↶↷ Left-Through		0			0	
	↶ Through	1054	2	372	977	2	350
	↶↶ Through-Right		1			1	
	↶ Right	62	0	62	73	0	73
	↶↷ Left-Through-Right		0			0	
	↶↷ Left-Right		0			0	
<b>WESTBOUND</b>	↷ Left	94	1	94	117	1	117
	↷↷ Left-Through		0			0	
	↷ Through	936	2	366	862	2	350
	↷↶ Through-Right		1			1	
	↷ Right	162	0	162	187	0	187
	↷↷ Left-Through-Right		0			0	
	↷↷ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 675 <i>East-West:</i> 584 <i>SUM:</i> 1259			<i>North-South:</i> 657 <i>East-West:</i> 544 <i>SUM:</i> 1201
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.916			0.873
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.816</b>			<b>0.773</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>			<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



<b>I/S #:</b>
<b>24</b>

**PROJECT TITLE: AMPAS**

**North-South Street: Spaulding Avenue**

**East-West Street: Wilshire Boulevard**

**Scenario: Future with Project (Year 2017)**

**Count Date:**

**Analyst:**

**Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	↙ Left	71	0	71	49	0	49
	↙ Left-Through		0			0	
	→ Through	0	0	0	0	0	0
	↘ Through-Right		0			0	
	↘ Right	44	0	115	69	0	118
	↘ Left-Through-Right		0			0	
	↔ Left-Right		1			1	
SOUTHBOUND	↙ Left	0	0	0	0	0	0
	↙ Left-Through		0			0	
	→ Through	0	0	0	0	0	0
	↘ Through-Right		0			0	
	↘ Right	0	0	0	0	0	0
	↘ Left-Through-Right		0			0	
	↔ Left-Right		0			0	
EASTBOUND	↙ Left	0	0	0	0	0	0
	↙ Left-Through		0			0	
	→ Through	1275	2	638	1153	2	577
	↘ Through-Right		0			0	
	↘ Right	97	1	97	102	1	102
	↘ Left-Through-Right		0			0	
	↔ Left-Right		0			0	
WESTBOUND	↙ Left	62	1	62	98	1	98
	↙ Left-Through		0			0	
	→ Through	1210	2	605	1206	2	603
	↘ Through-Right		0			0	
	↘ Right	0	0	0	0	0	0
	↘ Left-Through-Right		0			0	
	↔ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>		North-South: 115			North-South: 118		
		East-West: 700			East-West: 675		
		SUM: 815			SUM: 793		
VOLUME/CAPACITY (V/C) RATIO:		0.543			0.529		
V/C LESS ATSAC/ATCS ADJUSTMENT:		<b>0.443</b>			<b>0.429</b>		
LEVEL OF SERVICE (LOS):		<b>A</b>			<b>A</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**25**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	46	0	46	34	0	34
	↙↔ Left-Through		0			0	
	↔ Through	105	0	254	107	0	197
	↔↘ Through-Right		0			0	
	↘ Right	103	0	0	56	0	0
	↙↔↘ Left-Through-Right		1			1	
↙↔↘ Left-Right		0			0		
<b>SOUTHBOUND</b>	↘ Left	79	0	79	63	0	63
	↘↔ Left-Through		0			0	
	↔ Through	108	0	332	82	0	265
	↔↙ Through-Right		0			0	
	↙ Right	145	0	0	120	0	0
	↘↔↙ Left-Through-Right		1			1	
↘↔↙ Left-Right		0			0		
<b>EASTBOUND</b>	↙ Left	122	1	122	110	1	110
	↙↔ Left-Through		0			0	
	↔ Through	1153	2	577	1041	2	521
	↔↘ Through-Right		0			0	
	↘ Right	26	1	26	21	1	21
	↙↔↘ Left-Through-Right		0			0	
↙↔↘ Left-Right		0			0		
<b>WESTBOUND</b>	↘ Left	39	1	39	29	1	29
	↘↔ Left-Through		0			0	
	↔ Through	1092	2	546	1147	2	574
	↔↙ Through-Right		0			0	
	↙ Right	19	1	19	35	1	35
	↘↔↙ Left-Through-Right		0			0	
↘↔↙ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 378			<i>North-South:</i> 299		
		<i>East-West:</i> 668			<i>East-West:</i> 684		
		<i>SUM:</i> 1046			<i>SUM:</i> 983		
VOLUME/CAPACITY (V/C) RATIO:		0.697			0.655		
V/C LESS ATSAC/ATCS ADJUSTMENT:		<b>0.597</b>			<b>0.555</b>		
LEVEL OF SERVICE (LOS):		<b>A</b>			<b>A</b>		



### Level of Service Worksheet (Circular 212 Method)



I/S #: **26**

PROJECT TITLE: AMPAS  
 North-South Street: Hauser Boulevard East-West Street: Wilshire Boulevard  
 Scenario: Future with Project (Year 2017)  
 Count Date: Analyst: Date:

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	↶ Left	69	1	69	73	1	73
	↶↷ Left-Through		0			0	
	↷ Through	447	1	447	272	1	272
	↷↶ Through-Right		0			0	
	↷ Right	124	1	91	83	1	43
	↷↷ Left-Through-Right		0			0	
	↷↷ Left-Right		0			0	
SOUTHBOUND	↷ Left	63	1	63	168	1	168
	↷↶ Left-Through		0			0	
	↷ Through	339	0	399	419	0	617
	↷↶ Through-Right		1			1	
	↷ Right	60	0	0	198	0	0
	↷↷ Left-Through-Right		0			0	
	↷↷ Left-Right		0			0	
EASTBOUND	↶ Left	61	1	61	71	1	71
	↶↷ Left-Through		0			0	
	↷ Through	1192	2	596	1086	2	543
	↷↶ Through-Right		0			0	
	↷ Right	74	1	40	75	1	39
	↷↷ Left-Through-Right		0			0	
	↷↷ Left-Right		0			0	
WESTBOUND	↶ Left	67	1	67	81	1	81
	↶↷ Left-Through		0			0	
	↷ Through	1016	2	508	1084	2	542
	↷↶ Through-Right		0			0	
	↷ Right	63	1	32	60	1	0
	↷↷ Left-Through-Right		0			0	
	↷↷ Left-Right		0			0	
CRITICAL VOLUMES				North-South: 510 East-West: 663 SUM: 1173			North-South: 690 East-West: 624 SUM: 1314
VOLUME/CAPACITY (V/C) RATIO:				0.782			0.876
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.682			0.776
LEVEL OF SERVICE (LOS):				B			C

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**27**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0			2 0 0 0 2 0
		NB -- 0 EB -- 0		SB -- 0 WB -- 0	NB -- 0 EB -- 0		SB -- 0 WB -- 0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	36	0	36	63	0	63
	Left-Through		0			0	
	Through	106	0	174	150	0	255
	Through-Right		0			0	
	Right	32	0	0	42	0	0
	Left-Through-Right		1			1	
SOUTHBOUND	Left	21	0	21	24	0	24
	Left-Through		0			0	
	Through	94	0	178	88	0	197
	Through-Right		0			0	
	Right	63	0	0	85	0	0
	Left-Through-Right		1			1	
EASTBOUND	Left	49	1	49	46	1	46
	Left-Through		0			0	
	Through	1276	2	638	1177	2	589
	Through-Right		0			0	
	Right	20	1	20	32	1	32
	Left-Through-Right		0			0	
WESTBOUND	Left	23	1	23	27	1	27
	Left-Through		0			0	
	Through	1164	2	582	1229	2	615
	Through-Right		0			0	
	Right	45	1	45	33	1	33
	Left-Through-Right		0			0	
CRITICAL VOLUMES				North-South: 214 East-West: 661 SUM: 875			North-South: 279 East-West: 661 SUM: 940
VOLUME/CAPACITY (V/C) RATIO:				0.583			0.627
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.483</b>			<b>0.527</b>
LEVEL OF SERVICE (LOS):				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**28**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		4			4		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	163	1	163	162	1	162
	↶↷ Left-Through		0			0	
	↷ Through	1098	2	400	1115	2	405
	↷↶ Through-Right		1			1	
	↷ Right	101	0	101	99	0	99
	↷↷ Left-Through-Right		0			0	
			0			0	
<b>SOUTHBOUND</b>	↷ Left	98	1	98	4	1	4
	↷↶ Left-Through		0			0	
	↷ Through	1164	2	456	1162	2	456
	↷↶ Through-Right		1			1	
	↷ Right	203	0	203	205	0	205
	↷↷ Left-Through-Right		0			0	
			0			0	
<b>EASTBOUND</b>	↶ Left	181	1	181	170	1	170
	↶↷ Left-Through		0			0	
	↶ Through	904	2	452	865	2	433
	↶↷ Through-Right		0			0	
	↶ Right	122	1	41	144	1	63
	↶↷ Left-Through-Right		0			0	
			0			0	
<b>WESTBOUND</b>	↷ Left	141	1	141	185	1	185
	↷↶ Left-Through		0			0	
	↷ Through	829	2	415	977	2	489
	↷↶ Through-Right		0			0	
	↷ Right	148	1	99	131	1	129
	↷↷ Left-Through-Right		0			0	
			0			0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 619			<i>North-South:</i> 618		
		<i>East-West:</i> 596			<i>East-West:</i> 659		
		<i>SUM:</i> 1215			<i>SUM:</i> 1277		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.884			0.929		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.784</b>			<b>0.829</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>C</b>			<b>D</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**29**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 8th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				3			3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2			2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	0	0	0	1	0	0
	↵↔ Left-Through		0			0	
	↔ Through	941	1	506	1079	1	565
	↔↗ Through-Right		1			1	
	↗ Right	70	0	70	50	0	50
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	105	1	105	94	1	94
	↵↔ Left-Through		0			0	
	↔ Through	1055	2	528	1024	2	512
	↔↗ Through-Right		0			0	
	↗ Right	0	0	0	1	0	0
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	2	0	2	3	0	3
	↵↔ Left-Through		0			0	
	↔ Through	17	0	23	13	0	21
	↔↗ Through-Right		0			0	
	↗ Right	4	0	0	5	0	0
	↗↔ Left-Through-Right		1			1	
↗↔↗ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	79	1	68	75	1	62
	↵↔ Left-Through		0			0	
	↔ Through	0	0	0	0	0	0
	↔↗ Through-Right		0			0	
	↗ Right	124	1	16	110	1	15
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		1			1		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 611 <i>East-West:</i> 91 <i>SUM:</i> 702			<i>North-South:</i> 659 <i>East-West:</i> 83 <i>SUM:</i> 742
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.493			0.521
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.393</b>			<b>0.421</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	117	0	117	59	0	59
	↵↗ Left-Through		1			1	
	↔ Through	498	0	495	533	0	338
	↗↔ Through-Right		1			1	
	↔↗ Right	23	0	495	25	0	338
	↗↔↗ Left-Through-Right		0			0	
↗↔↗ Left-Right		0	0		0		
<b>SOUTHBOUND</b>	↵ Left	84	0	84	83	0	83
	↵↗ Left-Through		1			1	
	↔ Through	540	1	354	384	1	275
	↗↔ Through-Right		0			0	
	↔↗ Right	95	0	95	19	0	19
	↗↔↗ Left-Through-Right		0			0	
↗↔↗ Left-Right		0	0		0		
<b>EASTBOUND</b>	↵ Left	55	1	55	30	1	30
	↵↗ Left-Through		0			0	
	↔ Through	701	2	260	578	2	204
	↗↔ Through-Right		1			1	
	↔↗ Right	80	0	80	33	0	33
	↗↔↗ Left-Through-Right		0			0	
↗↔↗ Left-Right		0	0		0		
<b>WESTBOUND</b>	↵ Left	46	1	46	18	1	18
	↵↗ Left-Through		0			0	
	↔ Through	697	2	268	507	2	199
	↗↔ Through-Right		1			1	
	↔↗ Right	107	0	107	89	0	89
	↗↔↗ Left-Through-Right		0			0	
↗↔↗ Left-Right		0	0		0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 579			<i>North-South:</i> 421		
		<i>East-West:</i> 323			<i>East-West:</i> 229		
		<i>SUM:</i> 902			<i>SUM:</i> 650		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.601			0.433		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.501</b>			<b>0.333</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>			<b>A</b>		

# Level of Service Worksheet (Circular 212 Method)



I/S #: **31**

PROJECT TITLE: **AMPAS**  
 North-South Street: **Carillo Drive/Crescent** East-West Street: **Olympic Boulevard**  
 Scenario: **Future with Project (Year 2017)**  
 Count Date: \_\_\_\_\_ Analyst: \_\_\_\_\_ Date: \_\_\_\_\_

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 2	2	NB -- 0	SB -- 2	2
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	153	0	0	1	0	0
	↙↔ Left-Through		0			0	
	↔ Through	411	1	411	400	1	400
	↔↘ Through-Right		0			0	
	↘ Right	46	1	31	42	1	20
	↙↔↘ Left-Through-Right		0			0	
	↙↘ Left-Right		0			0	
<b>SOUTHBOUND</b>	↘ Left	16	0	0	2	0	0
	↘↔ Left-Through		0			0	
	↔ Through	377	0	293	306	0	207
	↔↙ Through-Right		1			1	
	↙ Right	208	1	0	107	1	0
	↘↔ Left-Through-Right		0			0	
	↘↙ Left-Right		0			0	
<b>EASTBOUND</b>	↙ Left	159	1	159	147	1	147
	↙↔ Left-Through		0			0	
	↔ Through	995	2	498	884	2	442
	↔↘ Through-Right		0			0	
	↘ Right	20	1	20	19	1	19
	↙↔↘ Left-Through-Right		0			0	
	↙↘ Left-Right		0			0	
<b>WESTBOUND</b>	↘ Left	31	1	31	45	1	45
	↘↔ Left-Through		0			0	
	↔ Through	1015	2	508	774	2	387
	↔↙ Through-Right		0			0	
	↙ Right	11	1	11	3	1	3
	↘↔ Left-Through-Right		0			0	
	↘↙ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 411			<i>North-South:</i> 400		
		<i>East-West:</i> 667			<i>East-West:</i> 534		
		<b>SUM:</b> 1078			<b>SUM:</b> 934		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.719			0.623		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.619</b>			<b>0.523</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>B</b>			<b>A</b>		





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				3 0 0 0 2 0			3 0 0 0 2 0
		<i>NB</i> -- 0	<i>SB</i> -- 0		<i>NB</i> -- 0	<i>SB</i> -- 0	
		<i>EB</i> -- 0	<i>WB</i> -- 0		<i>EB</i> -- 0	<i>WB</i> -- 0	
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	11	0	0	5	0	0
	↵↔ Left-Through		0			0	
	↔ Through	756	2	378	863	2	432
	↔↗ Through-Right		0			0	
	↗ Right	2	0	0	0	0	0
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0	0		0		
<b>SOUTHBOUND</b>	↵ Left	107	1	107	116	1	116
	↵↔ Left-Through		0			0	
	↔ Through	962	1	504	979	1	502
	↔↗ Through-Right		1			1	
	↗ Right	45	0	45	24	0	24
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0	0		0		
<b>EASTBOUND</b>	↵ Left	38	1	38	23	1	23
	↵↔ Left-Through		0			0	
	↔ Through	747	4	187	502	4	126
	↔↗ Through-Right		0			0	
	↗ Right	120	1	120	82	1	82
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0	0		0		
<b>WESTBOUND</b>	↵ Left	0	0	0	1	0	0
	↵↔ Left-Through		0			0	
	↔ Through	702	2	287	553	2	270
	↔↗ Through-Right		1			1	
	↗ Right	160	0	160	257	0	257
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0	0		0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 504 <i>East-West:</i> 325 <i>SUM:</i> 829			<i>North-South:</i> 548 <i>East-West:</i> 293 <i>SUM:</i> 841
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.582			0.590
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.482</b>			<b>0.490</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**33**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		3			3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	59	1	59	18	1	18
	↵↔ Left-Through		0			0	
	↔ Through	661	1	356	632	1	332
	↔↗ Through-Right		1			1	
	↗ Right	51	0	51	31	0	31
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	0	0	0	0	0	0
	↵↔ Left-Through		0			0	
	↔ Through	901	1	578	900	1	547
	↔↗ Through-Right		1			1	
	↗ Right	254	0	254	194	0	194
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	139	1	139	160	1	160
	↵↔ Left-Through		0			0	
	↔ Through	888	2	308	776	2	267
	↔↗ Through-Right		1			1	
	↗ Right	36	0	36	24	0	24
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	63	1	63	85	1	85
	↵↔ Left-Through		0			0	
	↔ Through	768	3	256	658	3	219
	↔↗ Through-Right		0			0	
	↗ Right	17	0	0	8	0	0
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 637			<i>North-South:</i> 565		
		<i>East-West:</i> 395			<i>East-West:</i> 379		
		<i>SUM:</i> 1032			<i>SUM:</i> 944		
VOLUME/CAPACITY (V/C) RATIO:		0.724			0.662		
V/C LESS ATSAC/ATCS ADJUSTMENT:		<b>0.624</b>			<b>0.562</b>		
LEVEL OF SERVICE (LOS):		<b>B</b>			<b>A</b>		

# Level of Service Worksheet (Circular 212 Method)



I/S #: **34**

PROJECT TITLE: **AMPAS**  
 North-South Street: **San Vicente Boulevard** East-West Street: **Olympic Boulevard**  
 Scenario: **Future with Project (Year 2017)**  
 Count Date: \_\_\_\_\_ Analyst: \_\_\_\_\_ Date: \_\_\_\_\_

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				3			3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	109	1	109	98	1	98
	↵↻ Left-Through		0			0	
	↻↵ Through	762	2	255	576	2	195
	↻↻ Through-Right		1			1	
	↻↻↵ Right	3	0	3	8	0	8
	↻↻↻ Left-Through-Right		0			0	
↻↻↻↵ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	2	0	0	2	0	0
	↵↻ Left-Through		0			0	
	↻↵ Through	784	4	196	792	4	198
	↻↻ Through-Right		0			0	
	↻↻↵ Right	0	0	0	0	0	0
	↻↻↻ Left-Through-Right		0			0	
↻↻↻↵ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	1	0	0	2	0	0
	↵↻ Left-Through		0			0	
	↻↵ Through	808	2	314	618	2	253
	↻↻ Through-Right		1			1	
	↻↻↵ Right	133	0	133	142	0	142
	↻↻↻ Left-Through-Right		0			0	
↻↻↻↵ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	1	0	0	0	0	0
	↵↻ Left-Through		0			0	
	↻↵ Through	786	2	337	634	2	292
	↻↻ Through-Right		1			1	
	↻↻↵ Right	224	0	224	242	0	242
	↻↻↻ Left-Through-Right		0			0	
↻↻↻↵ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		305	<i>North-South:</i>		296
		<i>East-West:</i>		337	<i>East-West:</i>		292
		<b>SUM:</b>		642	<b>SUM:</b>		588
VOLUME/CAPACITY (V/C) RATIO:				0.451			0.413
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.351</b>			<b>0.313</b>
LEVEL OF SERVICE (LOS):				<b>A</b>			<b>A</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**35**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>No. of Phases</b> Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity							
		2			2		
		0			0		
		0			0		
		0			0		
		2			2		
		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	11	0	11	5	0	5
	↵↔ Left-Through		0			0	
	↔ Through	69	0	101	84	0	129
	↔↘ Through-Right		0			0	
	↘ Right	21	0	0	40	0	0
	↵↔↘ Left-Through-Right		1			1	
↘↔ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	33	0	33	28	0	28
	↵↔ Left-Through		0			0	
	↔ Through	84	0	167	56	0	105
	↔↘ Through-Right		0			0	
	↘ Right	50	0	0	21	0	0
	↵↔↘ Left-Through-Right		1			1	
↘↔ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	48	1	48	49	1	49
	↵↔ Left-Through		0			0	
	↔ Through	828	2	414	806	2	403
	↔↘ Through-Right		0			0	
	↘ Right	13	1	13	14	1	14
	↵↔↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	32	1	32	20	1	20
	↵↔ Left-Through		0			0	
	↔ Through	869	2	435	810	2	405
	↔↘ Through-Right		0			0	
	↘ Right	31	1	31	40	1	40
	↵↔↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 178			<i>North-South:</i> 157		
		<i>East-West:</i> 483			<i>East-West:</i> 454		
		<i>SUM:</i> 661			<i>SUM:</i> 611		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.441			0.407		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.341</b>			<b>0.307</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>			<b>A</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**36**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Hauser Boulevard      **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	27	1	27	12	1	12
	↵↔ Left-Through		0			0	
	↔ Through	352	0	385	452	0	492
	↔↗ Through-Right		1			1	
	↗ Right	33	0	0	40	0	0
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	46	1	46	50	1	50
	↵↔ Left-Through		0			0	
	↔ Through	337	0	406	358	0	434
	↔↗ Through-Right		1			1	
	↗ Right	69	0	0	76	0	0
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	68	1	68	83	1	83
	↵↔ Left-Through		0			0	
	↔ Through	810	2	405	787	2	394
	↔↗ Through-Right		0			0	
	↗ Right	14	1	1	14	1	8
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	38	1	38	48	1	48
	↵↔ Left-Through		0			0	
	↔ Through	819	2	410	795	2	398
	↔↗ Through-Right		0			0	
	↗ Right	42	1	19	87	1	62
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 433			<i>North-South:</i> 542		
		<i>East-West:</i> 478			<i>East-West:</i> 481		
		<i>SUM:</i> 911			<i>SUM:</i> 1023		
VOLUME/CAPACITY (V/C) RATIO:		0.607			0.682		
V/C LESS ATSAC/ATCS ADJUSTMENT:		<b>0.507</b>			<b>0.582</b>		
LEVEL OF SERVICE (LOS):		<b>A</b>			<b>A</b>		





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**38**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Pico Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				3			3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	148	1	148	140	1	140
	↵↔ Left-Through		0			0	
	↔ Through	655	2	328	706	2	353
	↔↗ Through-Right		0			0	
	↗ Right	102	1	49	141	1	94
	↗↔ Left-Through-Right		0			0	
	↗↔ Left-Right		0			0	
<b>SOUTHBOUND</b>	↵ Left	81	1	81	81	1	81
	↵↔ Left-Through		0			0	
	↔ Through	863	2	432	822	2	411
	↔↗ Through-Right		0			0	
	↗ Right	58	1	31	59	1	22
	↗↔ Left-Through-Right		0			0	
	↗↔ Left-Right		0			0	
<b>EASTBOUND</b>	↵ Left	55	1	55	74	1	74
	↵↔ Left-Through		0			0	
	↔ Through	728	1	412	764	1	430
	↔↗ Through-Right		1			1	
	↗ Right	96	0	96	96	0	96
	↗↔ Left-Through-Right		0			0	
	↗↔ Left-Right		0			0	
<b>WESTBOUND</b>	↵ Left	107	1	107	95	1	95
	↵↔ Left-Through		0			0	
	↔ Through	654	1	353	675	1	356
	↔↗ Through-Right		1			1	
	↗ Right	51	0	51	37	0	37
	↗↔ Left-Through-Right		0			0	
	↗↔ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				North-South: 580			North-South: 551
				East-West: 519			East-West: 525
				<b>SUM: 1099</b>			<b>SUM: 1076</b>
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.771			0.755
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.671</b>			<b>0.655</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>			<b>B</b>

FUTURE WITH PROJECT CONDITIONS - YEAR 2017

**AMPAS Museum**

Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

**WEEKDAY MIDDAY PEAK HOUR**

Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	203	0.000	N/S 1: 0.416 *
	Through	3.00	4,800	1,058	0.277	N/S 2: 0.403
	Left	1.00	1,600	181	0.119 *	E/W 1: 0.448 *
Westbound	Right	0.00	0	107	0.000	E/W 2: 0.398
	Through	3.00	4,800	1,058	0.255	V/C Ratio: 0.864
	Left	1.00	1,600	235	0.155 *	Loss Time: 0.100
Northbound	Right	0.00	0	212	0.000	ITS: 0.000
	Through	3.00	4,800	1,141	0.297 *	ICU: 0.964
	Left	1.00	1,600	192	0.126	LOS: E
Eastbound	Right	0.00	0	225	0.000	
	Through	3.00	4,800	1,113	0.293 *	
	Left	1.00	1,600	218	0.143	

\* Critical Movement



## FUTURE WITH PROJECT CONDITIONS - YEAR 2017

**AMPAS Museum**

## Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

**SATURDAY MIDDAY PEAK HOUR**

Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	135	0.000	N/S 1: 0.406
	Through	3.00	4,800	1,181	0.289 *	N/S 2: 0.417 *
	Left	1.00	1,600	123	0.081	E/W 1: 0.401 *
Westbound	Right	0.00	0	86	0.000	E/W 2: 0.356
	Through	3.00	4,800	908	0.218	V/C Ratio: 0.818
	Left	1.00	1,600	230	0.151 *	Loss Time: 0.100
Northbound	Right	0.00	0	184	0.000	ITS: 0.000
	Through	3.00	4,800	1,297	0.325	ICU: 0.918
	Left	1.00	1,600	194	0.128 *	LOS: E
Eastbound	Right	0.00	0	215	0.000	
	Through	3.00	4,800	925	0.250 *	
	Left	1.00	1,600	210	0.138	

\* Critical Movement

# HCM Signalized Intersection Capacity Analysis

## 43: Santa Monica Blvd & Fairfax Ave

5/11/2015



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	190	1010	111	220	944	81	127	770	166	99	814	128
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Frt	1.00	0.99		1.00	0.99		1.00	1.00	0.85	1.00	0.98	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2973		1509	2982		1509	3018	1350	1509	2956	
Flt Permitted	0.15	1.00		0.11	1.00		0.17	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	234	2973		183	2982		263	3018	1350	260	2956	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	200	1063	117	232	994	85	134	811	175	104	857	135
RTOR Reduction (vph)	0	8	0	0	6	0	0	0	77	0	13	0
Lane Group Flow (vph)	200	1172	0	232	1073	0	134	811	98	104	979	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	54.0	47.0		54.0	47.0		32.2	25.2	25.2	31.1	24.9	
Effective Green, g (s)	52.0	47.0		52.0	47.0		30.2	25.3	25.3	30.1	25.0	
Actuated g/C Ratio	0.52	0.47		0.52	0.47		0.30	0.25	0.25	0.30	0.25	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	198	1397		175	1402		154	764	342	149	739	
v/s Ratio Prot	0.06	0.39		c0.08	0.36		c0.05	0.27		0.04	c0.33	
v/s Ratio Perm	0.46			c0.61			0.21		0.07	0.17		
v/c Ratio	1.01	0.84		1.33	0.77		0.87	1.06	0.29	0.70	1.33	
Uniform Delay, d1	20.6	23.2		19.4	21.9		30.8	37.4	30.1	28.2	37.5	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.70	0.59	
Incremental Delay, d2	66.6	6.2		180.6	4.0		44.5	50.1	2.1	9.9	154.8	
Delay (s)	87.2	29.4		199.9	26.0		75.3	87.5	32.2	29.8	176.9	
Level of Service	F	C		F	C		E	F	C	C	F	
Approach Delay (s)		37.7			56.7			77.4			162.9	
Approach LOS		D			E			E			F	

### Intersection Summary

HCM Average Control Delay	79.8	HCM Level of Service	E
HCM Volume to Capacity ratio	1.28		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	16.0
Intersection Capacity Utilization	103.9%	ICU Level of Service	G
Analysis Period (min)	15		
c Critical Lane Group			

# HCM Signalized Intersection Capacity Analysis

## 43: Santa Monica Blvd & Fairfax Ave

5/11/2015



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	208	1121	126	226	997	92	137	755	158	106	958	151
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Fr <sub>t</sub>	1.00	0.98		1.00	0.99		1.00	1.00	0.85	1.00	0.98	
Fl <sub>t</sub> Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2972		1509	2979		1509	3018	1350	1509	2956	
Fl <sub>t</sub> Permitted	0.13	1.00		0.09	1.00		0.17	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	199	2972		138	2979		264	3018	1350	260	2956	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	219	1180	133	238	1049	97	144	795	166	112	1008	159
RTOR Reduction (vph)	0	8	0	0	7	0	0	0	75	0	13	0
Lane Group Flow (vph)	219	1305	0	238	1139	0	144	795	91	112	1154	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	54.0	47.0		54.0	47.0		32.1	25.1	25.1	31.2	24.9	
Effective Green, g (s)	52.0	47.0		52.0	47.0		30.1	25.2	25.2	30.2	25.0	
Actuated g/C Ratio	0.52	0.47		0.52	0.47		0.30	0.25	0.25	0.30	0.25	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	182	1397		154	1400		154	761	340	151	739	
v/s Ratio Prot	0.07	0.44		c0.09	0.38		c0.06	0.26		0.04	c0.39	
v/s Ratio Perm	0.55			c0.71			0.23		0.07	0.18		
v/c Ratio	1.20	0.93		1.55	0.81		0.94	1.04	0.27	0.74	1.56	
Uniform Delay, d <sub>1</sub>	19.8	25.0		22.5	22.7		32.1	37.4	30.0	28.2	37.5	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.72	0.62	
Incremental Delay, d <sub>2</sub>	132.0	12.7		275.0	5.3		57.0	44.9	1.9	14.5	258.9	
Delay (s)	151.8	37.8		297.5	28.0		89.1	82.3	31.9	34.8	282.1	
Level of Service	F	D		F	C		F	F	C	C	F	
Approach Delay (s)		54.1			74.4			75.6			260.5	
Approach LOS		D			E			E			F	

### Intersection Summary

HCM Average Control Delay	113.7	HCM Level of Service	F
HCM Volume to Capacity ratio	1.49		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	16.0
Intersection Capacity Utilization	114.7%	ICU Level of Service	H
Analysis Period (min)	15		
c Critical Lane Group			



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**1**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Sunset Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	147	1	147
	↵↔ Left-Through		0	
	→ Through	949	2	475
	↘ Through-Right		0	
	↘ Right	271	1	41
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	58	1	58
	↵↔ Left-Through		0	
	→ Through	667	2	334
	↘ Through-Right		0	
	↘ Right	200	1	62
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	276	1	276
	↵↔ Left-Through		0	
	→ Through	1274	2	465
	↘ Through-Right		1	
	↘ Right	120	0	120
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	230	1	230
	↵↔ Left-Through		0	
	→ Through	964	2	339
	↘ Through-Right		1	
	↘ Right	53	0	53
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		533
		<i>East-West:</i>		695
		<i>SUM:</i>		1228
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.893
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.793</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**3**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: Melrose Avenue**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	75	1	75
	↶↷ Left-Through		0	
	↷ Through	1171	2	449
	↷↶ Through-Right		1	
	↷ Right	175	0	175
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	96	1	96
	↷↶ Left-Through		0	
	↷ Through	852	2	334
	↷↶ Through-Right		1	
	↷ Right	151	0	151
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	215	1	215
	↷↶ Left-Through		0	
	↷ Through	1200	1	654
	↷↶ Through-Right		1	
	↷ Right	108	0	108
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	192	1	192
	↷↶ Left-Through		0	
	↷ Through	727	1	426
	↷↶ Through-Right		1	
	↷ Right	125	0	125
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	545
			<b>East-West:</b>	846
			<b>SUM:</b>	1391
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.976
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.876</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**4**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Beverly Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 3	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	143	1	143
	↶↷ Left-Through		0	
	↷ Through	1026	2	513
	↷↶ Through-Right		0	
	↷ Right	279	1	79
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	167	1	167
	↷↶ Left-Through		0	
	↷ Through	960	1	540
	↷↶ Through-Right		1	
	↷ Right	120	0	120
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	103	1	103
	↷↶ Left-Through		0	
	↷ Through	1183	2	592
	↷↶ Through-Right		0	
	↷ Right	128	1	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	200	1	200
	↷↶ Left-Through		0	
	↷ Through	1068	2	534
	↷↶ Through-Right		0	
	↷ Right	141	1	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		683
		<i>East-West:</i>		792
		<i>SUM:</i>		1475
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.073
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.973</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>E</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**5**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boul East-West Street: 3rd Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	3	0	0
	↵↔ Left-Through		0	
	↔ Through	965	1	513
	↔↘ Through-Right		1	
	↘ Right	61	0	61
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	9	0	0
	↵↔ Left-Through		0	
	↔ Through	719	1	719
	↔↘ Through-Right		0	
	↘ Right	63	1	63
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	15	0	0
	↵↔ Left-Through		0	
	↔ Through	1327	1	702
	↔↘ Through-Right		1	
	↘ Right	76	0	76
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	5	0	0
	↵↔ Left-Through		0	
	↔ Through	942	1	498
	↔↘ Through-Right		1	
	↘ Right	53	0	53
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	719
			<b>East-West:</b>	702
			<b>SUM:</b>	1421
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.947
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.847</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**6**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 3rd Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	84	1	84
	↵↔ Left-Through		0	
	↔ Through	894	2	447
	↔↗ Through-Right		0	
	↗ Right	82	1	0
	↗↔ Left-Through-Right		0	
	↗↘ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	206	1	206
	↵↔ Left-Through		0	
	↔ Through	965	1	568
	↔↗ Through-Right		1	
	↗ Right	170	0	170
	↗↔ Left-Through-Right		0	
	↗↘ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	230	1	230
	↵↔ Left-Through		0	
	↔ Through	1173	1	627
	↔↗ Through-Right		1	
	↗ Right	81	0	81
	↗↔ Left-Through-Right		0	
	↗↘ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	166	1	166
	↵↔ Left-Through		0	
	↔ Through	818	2	409
	↔↗ Through-Right		0	
	↗ Right	164	1	0
	↗↔ Left-Through-Right		0	
	↗↘ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		653
		<b>East-West:</b>		793
		<b>SUM:</b>		1446
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.052
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.952</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>E</b>





# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**7**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Martel Avenue/Hauser Blvd **East-West Street:** 3rd Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	193	1	193
	↶↷ Left-Through		0	
	↷ Through	405	1	405
	↷↶ Through-Right		0	
	↷ Right	140	1	87
	↷↷ Left-Through-Right		0	
			0	
<b>SOUTHBOUND</b>	↷ Left	32	0	32
	↷↶ Left-Through		0	
	↷ Through	339	0	398
	↷↷ Through-Right		0	
	↷ Right	27	0	0
	↷↶ Left-Through-Right		1	
			0	
<b>EASTBOUND</b>	↷ Left	22	1	22
	↷↶ Left-Through		0	
	↷ Through	1125	1	658
	↷↷ Through-Right		1	
	↷ Right	191	0	191
	↷↶ Left-Through-Right		0	
			0	
<b>WESTBOUND</b>	↶ Left	107	1	107
	↶↷ Left-Through		0	
	↶ Through	1050	1	540
	↶↶ Through-Right		1	
	↶ Right	30	0	30
	↶↷ Left-Through-Right		0	
			0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		591
		<i>East-West:</i>		765
		<b>SUM:</b>		1356
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.904
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.804</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



**Level of Service Worksheet**  
(Circular 212 Method)



**I/S #:**  
**9**

**PROJECT TITLE:** AMPAS

**North-South Street:** La Brea Avenue

**East-West Street:** 3rd Street

**Scenario:** Future with Project (Year 2017)

**Count Date:**

**Analyst:**

**Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i>	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0	<i>WB --</i>	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	161	1	161
	Left-Through		0	
	Through	1584	2	557
	Through-Right		1	
	Right	87	0	87
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	85	1	85
	Left-Through		0	
	Through	1391	2	492
	Through-Right		1	
	Right	84	0	84
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	124	1	124
	Left-Through		0	
	Through	1097	2	549
	Through-Right		0	
	Right	160	1	80
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	120	1	120
	Left-Through		0	
	Through	849	1	458
	Through-Right		1	
	Right	66	0	66
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		653
		<i>East-West:</i>		669
		<i>SUM:</i>		1322
VOLUME/CAPACITY (V/C) RATIO:				0.961
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.861</b>
LEVEL OF SERVICE (LOS):				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**10**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Colgate Avenue  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	25	1	25
	↶↷ Left-Through		0	
	↷ Through	1178	1	646
	↷↶ Through-Right		1	
	↷ Right	114	0	114
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	35	1	35
	↷↶ Left-Through		0	
	↷ Through	1267	1	642
	↷↶ Through-Right		1	
	↷ Right	16	0	16
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	14	0	14
	↶↷ Left-Through		0	
	↶ Through	122	0	158
	↶↷ Through-Right		0	
	↶ Right	22	0	0
	↶↷ Left-Through-Right		1	
	↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	103	0	103
	↷↶ Left-Through		0	
	↷ Through	34	0	148
	↷↶ Through-Right		0	
	↷ Right	11	0	0
	↷↶ Left-Through-Right		1	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		681
		<i>East-West:</i>		261
		<i>SUM:</i>		942
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.628
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.528</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>

### Level of Service Worksheet (Circular 212 Method)



<b>I/S #:</b>	<b>PROJECT TITLE: AMPAS</b>		
	North-South Street: <b>San Vicente Boulevard</b>	East-West Street: <b>6th Street</b>	
	Scenario: <b>Future with Project (Year 2017)</b>		
	Count Date:	Analyst:	Date:

MOVEMENT		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				3
		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 3	3
				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	0	0	0
	Left-Through		0	
	Through	1011	2	362
	Through-Right		1	
	Right	74	0	74
	Left-Through-Right		0	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	388	1	388
	Left-Through		0	
	Through	1249	3	416
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>EASTBOUND</b>	Left	0	0	0
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	119	0	119
	Left-Through		1	
	Through	0	0	119
	Through-Right		0	
	Right	223	1	0
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		750
		<i>East-West:</i>		119
		<i>SUM:</i>		869
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.610
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.510</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**12**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boul East-West Street: 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	3	0	0
	↶↷ Left-Through		0	
	↷ Through	712	1	371
	↷↶ Through-Right		1	
	↷ Right	29	0	29
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	13	0	0
	↷↶ Left-Through		0	
	↷ Through	994	1	522
	↷↶ Through-Right		1	
	↷ Right	50	0	50
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	56	0	56
	↷↶ Left-Through		0	
	↷ Through	407	0	532
	↷↶ Through-Right		0	
	↷ Right	69	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	88	0	88
	↷↶ Left-Through		0	
	↷ Through	338	0	503
	↷↶ Through-Right		0	
	↷ Right	77	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	522
			<i>East-West:</i>	620
			<i>SUM:</i>	1142
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.761
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.661</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**                                      **Analyst:**                                      **Date:**





























		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 2	<i>SB</i> --	0
		<i>EB</i> -- 0	<i>WB</i> --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	27	1	27
	↶ Left-Through		0	
	↷ Through	1049	2	525
	↷ Through-Right		0	
	↷ Right	266	1	266
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	166	1	166
	↷ Left-Through		0	
	↷ Through	1232	1	638
	↷ Through-Right		1	
	↷ Right	43	0	43
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	21	1	21
	↶ Left-Through		0	
	↷ Through	441	0	461
	↷ Through-Right		1	
	↷ Right	20	0	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	200	2	110
	↶ Left-Through		0	
	↷ Through	444	1	444
	↷ Through-Right		0	
	↷ Right	266	1	183
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		691
		<i>East-West:</i>		571
		<i>SUM:</i>		1262
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.886
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.786</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**14**

**PROJECT TITLE: AMPAS**  
**North-South Street: Odgen Drive/Project Dv** **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> --	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB</i> -- 0	<i>WB</i> --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	 Left	146	0	146
	 Left-Through		0	
	 Through	0	0	0
	 Through-Right		0	
	 Right	129	0	275
	 Left-Through-Right		0	
	 Left-Right		1	
SOUTHBOUND	 Left	4	0	4
	 Left-Through		0	
	 Through	0	0	0
	 Through-Right		0	
	 Right	14	0	18
	 Left-Through-Right		0	
		 Left-Right		1
EASTBOUND	 Left	15	1	15
	 Left-Through		0	
	 Through	829	1	431
	 Through-Right		1	
	 Right	33	0	33
	 Left-Through-Right		0	
		 Left-Right		0
WESTBOUND	 Left	19	1	19
	 Left-Through		0	
	 Through	750	1	382
	 Through-Right		1	
	 Right	14	0	14
	 Left-Through-Right		0	
		 Left-Right		0
CRITICAL VOLUMES			<i>North-South:</i>	279
			<i>East-West:</i>	450
			<i>SUM:</i>	729
VOLUME/CAPACITY (V/C) RATIO:				0.486
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.386</b>
LEVEL OF SERVICE (LOS):				<b>A</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> --	0
		<i>EB</i> -- 0	<i>WB</i> --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↵ Left	160	1	160
	↵↔ Left-Through		0	
	→ Through	106	0	290
	→↔ Through-Right		1	
	↘ Right	184	0	0
	↘↔ Left-Through-Right		0	
	↙↔ Left-Right		0	
SOUTHBOUND	↵ Left	46	1	46
	↵↔ Left-Through		0	
	→ Through	58	0	90
	→↔ Through-Right		1	
	↘ Right	32	0	0
	↘↔ Left-Through-Right		0	
	↙↔ Left-Right		0	
EASTBOUND	↵ Left	49	1	49
	↵↔ Left-Through		0	
	→ Through	880	1	468
	→↔ Through-Right		1	
	↘ Right	55	0	55
	↘↔ Left-Through-Right		0	
	↙↔ Left-Right		0	
WESTBOUND	↵ Left	76	1	76
	↵↔ Left-Through		0	
	→ Through	612	1	343
	→↔ Through-Right		1	
	↘ Right	73	0	73
	↘↔ Left-Through-Right		0	
	↙↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	336
			<i>East-West:</i>	544
			<b>SUM:</b>	880
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.587
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.487</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Workheet (Circular 212 Method)



**I/S #:**  
16

**PROJECT TITLE:** AMPAS  
**North-South Street:** Hauser Boulevard      **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**    **Analyst:**    **Date:**

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<b>NB --</b> 0	<b>SB --</b> 0	0
ATSAC-1 or ATSAC+ATCS-2?		<b>EB --</b> 0	<b>WB --</b> 0	0
Override Capacity		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↷ Left	47	1	47
	↶↷ Left-Through		0	
	→ Through	497	0	534
	↶↷ Through-Right		1	
	↷ Right	37	0	0
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	47	1	47
	↶↷ Left-Through		0	
	→ Through	420	1	420
	↶↷ Through-Right		0	
	↷ Right	73	1	73
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	34	0	0
	↶↷ Left-Through		0	
	→ Through	1157	1	615
	↶↷ Through-Right		1	
	↷ Right	72	0	72
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	5	0	0
	↶↷ Left-Through		0	
	→ Through	653	1	356
	↶↷ Through-Right		1	
	↷ Right	59	0	59
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b> 581		
		<b>East-West:</b> 615		
		<b>SUM:</b> 1196		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.797		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.697</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>B</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Burnside Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> --	0
		<i>EB</i> -- 0	<i>WB</i> --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	18	0	18
	↶↷ Left-Through		0	
	↷ Through	115	0	179
	↷↶ Through-Right		0	
	↷ Right	46	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	55	0	55
	↷↶ Left-Through		1	
	↷ Through	45	0	100
	↷↶ Through-Right		0	
	↷ Right	18	1	18
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	81	0	81
	↷↶ Left-Through		1	
	↷ Through	1167	0	757
	↷↶ Through-Right		1	
	↷ Right	23	0	757
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	43	0	43
	↷↶ Left-Through		1	
	↷ Through	699	0	542
	↷↶ Through-Right		1	
	↷ Right	127	0	542
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		234
		<i>East-West:</i>		800
		<i>SUM:</i>		1034
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.689
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.589</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**18**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> -- 0	0
		<i>EB</i> -- 0	<i>WB</i> -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	33	0	33
	↶ Left-Through		0	
	↷ Through	266	0	353
	↷ Through-Right		0	
	↷ Right	54	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	11	0	11
	↷ Left-Through		0	
	↶ Through	156	0	207
	↶ Through-Right		0	
	↶ Right	40	0	0
	↶ Left-Through-Right		1	
	↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	154	0	154
	↶ Left-Through		1	
	↷ Through	1065	0	880
	↷ Through-Right		1	
	↷ Right	79	0	880
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	36	0	36
	↶ Left-Through		1	
	↷ Through	778	0	519
	↷ Through-Right		1	
	↷ Right	44	0	519
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		364
		<i>East-West:</i>		916
		<i>SUM:</i>		1280
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.853
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.753</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**19**

**PROJECT TITLE: AMPAS**  
**North-South Street: La Brea Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0
		NB -- 0	SB -- 0	
		EB -- 0	WB -- 0	
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	70	1	70
	Left-Through		0	
	Through	1735	2	597
	Through-Right		1	
	Right	57	0	57
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	69	1	69
	Left-Through		0	
	Through	1551	2	544
	Through-Right		1	
	Right	81	0	81
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	4	0	0
	Left-Through		0	
	Through	1026	1	543
	Through-Right		1	
	Right	60	0	60
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	0	0	0
	Left-Through		0	
	Through	716	1	401
	Through-Right		1	
	Right	85	0	85
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		666
		<i>East-West:</i>		543
		<i>SUM:</i>		1209
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.806
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.706</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**21**

**PROJECT TITLE: AMPAS**  
**North-South Street: San Vicente Boulevard East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	269	2	148
	↶↷ Left-Through		0	
	↷ Through	727	2	256
	↶↷↷ Through-Right		1	
	↷ Right	41	0	41
	↶↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	232	2	128
	↷↷ Left-Through		0	
	↷ Through	1098	3	366
	↷↷ Through-Right		0	
	↷ Right	121	0	0
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	73	1	73
	↷↷ Left-Through		0	
	↷ Through	1609	2	621
	↷↷ Through-Right		1	
	↷ Right	253	0	253
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	55	1	55
	↶↷ Left-Through		0	
	↶ Through	1069	2	448
	↶↷ Through-Right		1	
	↶ Right	275	0	275
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		514
		<b>East-West:</b>		676
		<b>SUM:</b>		1190
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.865
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.765</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>

# Level of Service Worksheet (Circular 212 Method)



I/S #: **22**

PROJECT TITLE: AMPAS  
 North-South Street: Crescent Heights Boul East-West Street: Wilshire Boulevard  
 Scenario: Future with Project (Year 2017)  
 Count Date: Analyst: Date:

		WEEKDAY PM PEAK HOUR			
		No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity	NB --	SB --	WB --
			0	0	2
			0	0	0
			0	0	2
			0	0	0
MOVEMENT		Volume	No. of Lanes	Lane Volume	
<b>NORTHBOUND</b>	Left	0	0	0	
	Left-Through		0		
	Through	720	1	420	
	Through-Right		1		
	Right	119	0	119	
	Left-Through-Right		0		
	Left-Right		0		
<b>SOUTHBOUND</b>	Left	108	0	108	
	Left-Through		1		
	Through	670	0	593	
	Through-Right		1		
	Right	84	0	593	
	Left-Through-Right		0		
	Left-Right		0		
<b>EASTBOUND</b>	Left	140	1	140	
	Left-Through		0		
	Through	1652	2	603	
	Through-Right		1		
	Right	157	0	157	
	Left-Through-Right		0		
	Left-Right		0		
<b>WESTBOUND</b>	Left	96	1	96	
	Left-Through		0		
	Through	1264	2	466	
	Through-Right		1		
	Right	133	0	133	
	Left-Through-Right		0		
	Left-Right		0		
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	593	
			<i>East-West:</i>	699	
			<i>SUM:</i>	1292	
VOLUME/CAPACITY (V/C) RATIO:				0.861	
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.761</b>	
LEVEL OF SERVICE (LOS):				<b>C</b>	



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**23**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	3
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	92	1	92
	↶↷ Left-Through		0	
	↷ Through	841	1	447
	↷↶ Through-Right		1	
	↷ Right	52	0	52
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	212	1	212
	↷↶ Left-Through		0	
	↷ Through	1031	2	516
	↷↶ Through-Right		0	
	↷ Right	215	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	285	1	285
	↷↶ Left-Through		0	
	↷ Through	1503	2	532
	↷↶ Through-Right		1	
	↷ Right	94	0	94
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	106	1	106
	↷↶ Left-Through		0	
	↷ Through	1140	2	441
	↷↶ Through-Right		1	
	↷ Right	183	0	183
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		659
		<i>East-West:</i>		726
		<i>SUM:</i>		1385
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.007
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.907</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>E</b>





# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**24**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Spaulding Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0
		<i>NB --</i> 0	<i>SB --</i> 0	
		<i>EB --</i> 0	<i>WB --</i> 0	
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	86	0	86
	↖ Left-Through		0	
	↑ Through	0	0	0
	↗ Through-Right		0	
	↘ Right	68	0	154
	↖ Left-Through-Right		0	
	↙ Left-Right		1	
<b>SOUTHBOUND</b>	↙ Left	0	0	0
	↖ Left-Through		0	
	↑ Through	0	0	0
	↗ Through-Right		0	
	↘ Right	0	0	0
	↖ Left-Through-Right		0	
	↙ Left-Right		0	
<b>EASTBOUND</b>	↙ Left	0	0	0
	↖ Left-Through		0	
	↑ Through	1645	2	580
	↗ Through-Right		1	
	↘ Right	95	0	95
	↖ Left-Through-Right		0	
	↙ Left-Right		0	
<b>WESTBOUND</b>	↙ Left	41	1	41
	↖ Left-Through		0	
	↑ Through	1285	3	428
	↗ Through-Right		0	
	↘ Right	0	0	0
	↖ Left-Through-Right		0	
	↙ Left-Right		0	
<b>CRITICAL VOLUMES</b>				North-South: 154 East-West: 621 SUM: 775
VOLUME/CAPACITY (V/C) RATIO:				0.517
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.417</b>
LEVEL OF SERVICE (LOS):				<b>A</b>

**Level of Service Worksheet  
(Circular 212 Method)**



I/S #: 25

PROJECT TITLE: AMPAS  
 North-South Street: Curson Avenue East-West Street: Wilshire Boulevard  
 Scenario: Future with Project (Year 2017)  
 Count Date: Analyst: Date:

MOVEMENT		WEEKDAY PM PEAK HOUR	
		Volume	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3?			2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0      SB -- 0	0
ATSC-1 or ATSC+ATCS-2?		EB -- 0      WB -- 0	0
Override Capacity			2
			0
MOVEMENT		Volume	Lane Volume
NORTHBOUND	Left	66	66
	Left-Through		0
	Through	195	387
	Through-Right		0
	Right	126	0
	Left-Through-Right		1
Left-Right			0
SOUTHBOUND	Left	102	102
	Left-Through		0
	Through	253	479
	Through-Right		0
	Right	124	0
	Left-Through-Right		1
Left-Right			0
EASTBOUND	Left	150	150
	Left-Through		0
	Through	1467	505
	Through-Right		1
	Right	49	49
	Left-Through-Right		0
Left-Right			0
WESTBOUND	Left	46	46
	Left-Through		0
	Through	1128	379
	Through-Right		1
	Right	10	10
	Left-Through-Right		0
Left-Right			0
CRITICAL VOLUMES		<b>North-South:</b>	545
		<b>East-West:</b>	551
		<b>SUM:</b>	1096
VOLUME/CAPACITY (V/C) RATIO:			0.731
V/C LESS ATSC/ATCS ADJUSTMENT:			<b>0.631</b>
LEVEL OF SERVICE (LOS):			<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #: **26**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0
		<i>NB --</i> 0 <i>SB --</i> <i>EB --</i> 0 <i>WB --</i>		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	49	1	49
	Left-Through		0	
	Through	502	1	502
	Through-Right		0	
	Right	187	1	141
	Left-Through-Right		0	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	67	1	67
	Left-Through		0	
	Through	441	0	472
	Through-Right		1	
	Right	31	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>EASTBOUND</b>	Left	74	1	74
	Left-Through		0	
	Through	1526	2	563
	Through-Right		1	
	Right	163	0	163
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	92	1	92
	Left-Through		0	
	Through	1075	2	381
	Through-Right		1	
	Right	69	0	69
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>				<b>North-South:</b> 569 <b>East-West:</b> 655 <b>SUM:</b> 1224
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.816
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.716</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: 27

PROJECT TITLE: AMPAS  
 North-South Street: Cochran Avenue East-West Street: Wilshire Boulevard  
 Scenario: Future with Project (Year 2017)  
 Count Date: Analyst: Date:

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	38	0	38
	Left-Through		0	
	Through	192	0	274
	Through-Right		0	
	Right	44	0	0
	Left-Through-Right		1	
	Left-Right		0	
SOUTHBOUND	Left	54	0	54
	Left-Through		0	
	Through	307	0	506
	Through-Right		0	
	Right	145	0	0
	Left-Through-Right		1	
	Left-Right		0	
EASTBOUND	Left	60	1	60
	Left-Through		0	
	Through	1410	2	485
	Through-Right		1	
	Right	46	0	46
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	40	1	40
	Left-Through		0	
	Through	1190	2	442
	Through-Right		1	
	Right	137	0	137
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		North-South:		544
		East-West:		525
		SUM:		1069
VOLUME/CAPACITY (V/C) RATIO:		0.713		
V/C LESS ATSAC/ATCS ADJUSTMENT:		<b>0.613</b>		
LEVEL OF SERVICE (LOS):		<b>B</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**28**

**PROJECT TITLE: AMPAS**  
**North-South Street: La Brea Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				4
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> --	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB</i> -- 0	<i>WB</i> --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	142	1	142
	↙↔ Left-Through		0	
	→ Through	1506	2	529
	↘ Through-Right		1	
	→ Right	81	0	81
	↙↔ Left-Through-Right		0	
	↙↔ Left-Right		0	
<b>SOUTHBOUND</b>	↘ Left	125	1	125
	↘↔ Left-Through		0	
	→ Through	1303	2	480
	↘ Through-Right		1	
	→ Right	136	0	136
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>EASTBOUND</b>	↙ Left	225	1	225
	↙↔ Left-Through		0	
	→ Through	1226	2	453
	↘ Through-Right		1	
	→ Right	134	0	134
	↙↔ Left-Through-Right		0	
	↙↔ Left-Right		0	
<b>WESTBOUND</b>	↙ Left	235	1	235
	↙↔ Left-Through		0	
	→ Through	964	2	363
	↘ Through-Right		1	
	→ Right	126	0	126
	↙↔ Left-Through-Right		0	
	↙↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		654
		<b>East-West:</b>		688
		<b>SUM:</b>		1342
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.976
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.876</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
29

**PROJECT TITLE: AMPAS**

**North-South Street: Fairfax Avenue**

**East-West Street: 8th Street**

**Scenario: Future with Project (Year 2017)**

**Count Date:**

**Analyst:**

**Date:**

MOVEMENT		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				3 2 0 0 2 0
		<i>NB</i> -- 0 <i>EB</i> -- 0	<i>SB</i> -- <i>WB</i> --	
<b>NORTHBOUND</b>	↵ Left	0	0	0
	↠ Left-Through		0	
	→ Through	885	1	478
	↠ Through-Right		1	
	↞ Right	71	0	71
	↠ Left-Through-Right		0	
	↠ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	276	1	276
	↠ Left-Through		0	
	→ Through	1055	2	528
	↠ Through-Right		0	
	↞ Right	0	0	0
	↠ Left-Through-Right		0	
	↠ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	2	0	2
	↠ Left-Through		0	
	→ Through	127	0	133
	↠ Through-Right		0	
	↞ Right	4	0	0
	↠ Left-Through-Right		1	
	↠ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	134	1	76
	↠ Left-Through		0	
	→ Through	0	0	0
	↠ Through-Right		0	
	↞ Right	95	1	0
	↠ Left-Through-Right		0	
	↠ Left-Right		1	
<b>CRITICAL VOLUMES</b>		<b><i>North-South:</i></b> 754 <b><i>East-West:</i></b> 209 <b><i>SUM:</i></b> 963		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.676
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.576</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	53	0	53
	↶ Left-Through		1	
	↷ Through	587	0	415
	↷ Through-Right		1	
	↷ Right	30	0	415
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	90	0	90
	↷ Left-Through		1	
	↷ Through	759	1	560
	↷ Through-Right		0	
	↷ Right	0	0	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	146	1	146
	↷ Left-Through		0	
	↷ Through	1085	2	404
	↷ Through-Right		1	
	↷ Right	126	0	126
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	28	1	28
	↶ Left-Through		0	
	↷ Through	729	2	292
	↷ Through-Right		1	
	↷ Right	147	0	147
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		613
		<b>East-West:</b>		438
		<b>SUM:</b>		1051
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.701
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.601</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: **31**

PROJECT TITLE: **AMPAS**  
 North-South Street: **Carillo Drive/Crescent I** East-West Street: **Olympic Boulevard**  
 Scenario: **Future with Project (Year 2017)**  
 Count Date: \_\_\_\_\_ Analyst: \_\_\_\_\_ Date: \_\_\_\_\_

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	2
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	125	0	0
	Left-Through		0	
	Through	433	1	433
	Through-Right		0	
	Right	50	1	29
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	0	0	0
	Left-Through		0	
	Through	679	0	469
	Through-Right		1	
	Right	258	1	0
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	131	1	131
	Left-Through		0	
	Through	1987	2	667
	Through-Right		1	
	Right	15	0	15
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	42	1	42
	Left-Through		0	
	Through	1335	2	446
	Through-Right		1	
	Right	2	0	2
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES				<i>North-South:</i> 469
				<i>East-West:</i> 709
				<i>SUM:</i> 1178
VOLUME/CAPACITY (V/C) RATIO:				0.785
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.685</b>
LEVEL OF SERVICE (LOS):				<b>B</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	15	0	0
	↶↷ Left-Through		0	
	↷ Through	737	2	369
	↷↶ Through-Right		0	
	↷ Right	2	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	121	1	121
	↷↶ Left-Through		0	
	↷ Through	1180	1	610
	↷↶ Through-Right		1	
	↷ Right	39	0	39
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	36	1	36
	↷↶ Left-Through		0	
	↷ Through	1022	4	256
	↷↶ Through-Right		0	
	↷ Right	76	1	76
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↶ Through	731	2	308
	↶↶ Through-Right		1	
	↶ Right	194	0	194
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		610
		<i>East-West:</i>		344
		<i>SUM:</i>		954
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.669
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.569</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**33**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	25	1	25
	↶↷ Left-Through		0	
	↷ Through	622	1	335
	↷↶ Through-Right		1	
	↷ Right	47	0	47
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	2	0	0
	↷↶ Left-Through		0	
	↷ Through	964	1	609
	↷↶ Through-Right		1	
	↷ Right	253	0	253
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	111	1	111
	↷↶ Left-Through		0	
	↷ Through	1923	2	644
	↷↶ Through-Right		1	
	↷ Right	8	0	8
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	52	1	52
	↷↶ Left-Through		0	
	↷ Through	1176	3	392
	↷↶ Through-Right		0	
	↷ Right	13	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		634
		<i>East-West:</i>		696
		<b>SUM:</b>		1330
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.933
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.833</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**34**

**PROJECT TITLE:** AMPAS

**North-South Street:** San Vicente Boulevard     **East-West Street:** Olympic Boulevard

**Scenario:** Future with Project (Year 2017)

**Count Date:**     **Analyst:**     **Date:**

		WEEKDAY PM PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				3
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i>	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0	<i>WB --</i>	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	107	1	107
	↷ Left-Through		0	
	→ Through	749	2	251
	↘ Through-Right		1	
	↷ Right	5	0	5
	↘ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↶ Left	4	0	0
	↷ Left-Through		0	
	→ Through	1311	4	328
	↘ Through-Right		0	
	↷ Right	0	0	0
	↘ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	0	0	0
	↷ Left-Through		0	
	→ Through	1710	2	680
	↘ Through-Right		1	
	↷ Right	331	0	331
	↘ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	0	0	0
	↷ Left-Through		0	
	→ Through	1156	2	481
	↘ Through-Right		1	
	↷ Right	288	0	288
	↘ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	435
			<i>East-West:</i>	680
			<i>SUM:</i>	1115
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.782
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.682</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**35**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	6	0	6
	↶↷ Left-Through		0	
	↷ Through	84	0	150
	↷↶ Through-Right		0	
	↷ Right	60	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	122	0	122
	↷↶ Left-Through		0	
	↷ Through	294	0	504
	↷↶ Through-Right		0	
	↷ Right	88	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	57	1	57
	↷↶ Left-Through		0	
	↷ Through	1681	2	568
	↷↶ Through-Right		1	
	↷ Right	23	0	23
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	62	1	62
	↷↶ Left-Through		0	
	↷ Through	1289	2	443
	↷↶ Through-Right		1	
	↷ Right	40	0	40
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		510
		<i>East-West:</i>		630
		<i>SUM:</i>		1140
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.760
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.660</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**36**

PROJECT TITLE: AMPAS  
 North-South Street: Hauser Boulevard East-West Street: Olympic Boulevard  
 Scenario: Future with Project (Year 2017)  
 Count Date: Analyst: Date:

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	34	1	34
	↖ Left-Through		0	
	→ Through	538	0	630
	↗ Through-Right		1	
	↘ Right	92	0	0
	↖ Left-Through-Right		0	
	↗ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	112	1	112
	↖ Left-Through		0	
	→ Through	627	0	710
	↗ Through-Right		1	
	↘ Right	83	0	0
	↖ Left-Through-Right		0	
	↗ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	99	1	99
	↖ Left-Through		0	
	→ Through	1758	2	604
	↗ Through-Right		1	
	↘ Right	54	0	54
	↖ Left-Through-Right		0	
	↗ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	51	1	51
	↖ Left-Through		0	
	→ Through	1267	2	466
	↗ Through-Right		1	
	↘ Right	131	0	131
	↖ Left-Through-Right		0	
	↗ Left-Right		0	
CRITICAL VOLUMES		North-South:		744
		East-West:		655
		<b>SUM:</b>		1399
VOLUME/CAPACITY (V/C) RATIO:				0.933
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.833</b>
LEVEL OF SERVICE (LOS):				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**37**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0
		<i>NB</i> -- 0 <i>SB</i> -- <i>EB</i> -- 0 <i>WB</i> --		0 0 0 0 2 0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	6	0	6
	↵↶ Left-Through		0	
	↶ Through	42	0	57
	↶↷ Through-Right		0	
	↷ Right	9	0	0
	↶↷↶ Left-Through-Right		1	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↶ Left	82	0	82
	↶↷ Left-Through		0	
	↷ Through	303	0	448
	↷↶ Through-Right		0	
	↶ Right	63	0	0
	↶↷↶ Left-Through-Right		1	
	↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	69	1	69
	↶↷ Left-Through		0	
	↷ Through	1768	2	601
	↷↶ Through-Right		1	
	↶ Right	35	0	35
	↶↷↶ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	63	1	63
	↶↷ Left-Through		0	
	↷ Through	1346	2	464
	↷↶ Through-Right		1	
	↶ Right	45	0	45
	↶↷↶ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>				<b>North-South:</b> 454 <b>East-West:</b> 664 <b>SUM:</b> 1118
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.745
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.645</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**38**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: Pico Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	143	1	143
	↶↷ Left-Through		0	
	↷ Through	682	2	341
	↷↶ Through-Right		0	
	↷ Right	145	1	103
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	79	1	79
	↷↶ Left-Through		0	
	↷ Through	774	2	387
	↷↶ Through-Right		0	
	↷ Right	30	1	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	75	1	75
	↷↶ Left-Through		0	
	↷ Through	1299	1	699
	↷↶ Through-Right		1	
	↷ Right	98	0	98
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	85	1	85
	↶↷ Left-Through		0	
	↶ Through	663	1	340
	↶↶ Through-Right		1	
	↶ Right	16	0	16
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		530
		<i>East-West:</i>		784
		<b>SUM:</b>		1314
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.922
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.822</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>

FUTURE WITH PROJECT CONDITIONS - YEAR 2017

**AMPAS Museum**

Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

**WEEKDAY PM PEAK HOUR**

Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	130	0.000	N/S 1: 0.443 * N/S 2: 0.415 E/W 1: 0.502 * E/W 2: 0.396
	Through	3.00	4,800	1,195	0.291	
	Left	1.00	1,600	169	0.111 *	
Westbound	Right	0.00	0	119	0.000	V/C Ratio: 0.945 Loss Time: 0.100 ITS: 0.000
	Through	3.00	4,800	1,162	0.281	
	Left	1.00	1,600	247	0.163 *	
Northbound	Right	0.00	0	186	0.000	ICU: 1.045
	Through	3.00	4,800	1,330	0.332 *	
	Left	1.00	1,600	189	0.124	
Eastbound	Right	0.00	0	170	0.000	LOS: F
	Through	3.00	4,800	1,378	0.339 *	
	Left	1.00	1,600	175	0.115	

\* Critical Movement



# HCM Signalized Intersection Capacity Analysis

## 43: Santa Monica Blvd & Fairfax Ave

5/11/2015



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	287	1265	91	191	921	106	130	1001	252	78	834	112
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Frt	1.00	0.99		1.00	0.98		1.00	1.00	0.85	1.00	0.98	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2987		1509	2971		1509	3018	1350	1509	2964	
Flt Permitted	0.14	1.00		0.09	1.00		0.15	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	227	2987		140	2971		244	3018	1350	253	2964	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	302	1332	96	201	969	112	137	1054	265	82	878	118
RTOR Reduction (vph)	0	5	0	0	9	0	0	0	87	0	10	0
Lane Group Flow (vph)	302	1423	0	201	1072	0	137	1054	178	82	986	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	53.3	46.3		53.3	46.3		34.0	27.0	27.0	30.7	25.6	
Effective Green, g (s)	51.3	46.3		51.3	46.3		32.0	27.1	27.1	29.7	25.7	
Actuated g/C Ratio	0.51	0.46		0.51	0.46		0.32	0.27	0.27	0.30	0.26	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	193	1383		154	1376		154	818	366	133	762	
v/s Ratio Prot	c0.09	0.48		0.08	0.36		c0.05	c0.35		0.03	0.33	
v/s Ratio Perm	c0.71			0.59			0.23		0.13	0.15		
v/c Ratio	1.56	1.03		1.31	0.78		0.89	1.29	0.49	0.62	1.29	
Uniform Delay, d1	20.8	26.9		23.4	22.6		30.0	36.5	30.6	28.5	37.1	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.68	0.59	
Incremental Delay, d2	277.8	31.8		176.3	4.4		47.9	139.0	4.5	5.3	140.8	
Delay (s)	298.6	58.7		199.7	27.0		77.9	175.5	35.1	24.6	162.9	
Level of Service	F	E		F	C		E	F	D	C	F	
Approach Delay (s)		100.6			54.1			140.7			152.3	
Approach LOS		F			D			F			F	

### Intersection Summary

HCM Average Control Delay	110.4	HCM Level of Service	F
HCM Volume to Capacity ratio	1.37		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	109.8%	ICU Level of Service	H
Analysis Period (min)	15		
c Critical Lane Group			



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**1**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Sunset Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	157	1	157
	↵↔ Left-Through		0	
	→ Through	592	2	296
	↘ Through-Right		0	
	↘ Right	283	1	44
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	73	1	73
	↵↔ Left-Through		0	
	→ Through	643	2	322
	↘ Through-Right		0	
	↘ Right	220	1	134
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	172	1	172
	↵↔ Left-Through		0	
	→ Through	1157	2	579
	↘ Through-Right		0	
	↘ Right	148	1	70
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	239	1	239
	↵↔ Left-Through		0	
	→ Through	1087	2	544
	↘ Through-Right		0	
	↘ Right	47	1	11
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	479
			<i>East-West:</i>	818
			<b>SUM:</b>	1297
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.943
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.843</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**3**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Melrose Avenue  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**                                      **Analyst:**                                      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
				3
No. of Phases				0
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	86	1	86
	↶↷ Left-Through		0	
	↷ Through	841	2	339
	↷↶ Through-Right		1	
	↷ Right	175	0	175
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	98	1	98
	↷↶ Left-Through		0	
	↷ Through	834	2	331
	↷↶ Through-Right		1	
	↷ Right	160	0	160
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	163	1	163
	↷↶ Left-Through		0	
	↷ Through	873	1	502
	↷↶ Through-Right		1	
	↷ Right	130	0	130
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	254	1	254
	↷↶ Left-Through		0	
	↷ Through	822	1	475
	↷↶ Through-Right		1	
	↷ Right	127	0	127
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		437
		<i>East-West:</i>		756
		<b>SUM:</b>		1193
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.837
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.737</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**4**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Beverly Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 3	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	183	1	183
	↶↷ Left-Through		0	
	↷ Through	845	2	423
	↷↶ Through-Right		0	
	↷ Right	206	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	140	1	140
	↷↶ Left-Through		0	
	↷ Through	1019	1	585
	↷↶ Through-Right		1	
	↷ Right	151	0	151
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	109	1	109
	↶↷ Left-Through		0	
	↷ Through	1041	2	521
	↷↶ Through-Right		0	
	↷ Right	160	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	210	1	210
	↶↷ Left-Through		0	
	↷ Through	940	2	470
	↷↶ Through-Right		0	
	↷ Right	128	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	768
			<b>East-West:</b>	731
			<b>SUM:</b>	1499
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.090
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.990</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>E</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**5**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boulc **East-West Street:** 3rd Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	50	0	50
	↶↷ Left-Through		1	
	↷ Through	537	0	587
	↷↶ Through-Right		0	
	↷ Right	49	1	49
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	55	0	55
	↷↷ Left-Through		1	
	↷ Through	595	0	650
	↷↶ Through-Right		0	
	↷ Right	86	1	86
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	61	0	61
	↷↷ Left-Through		1	
	↷ Through	966	0	655
	↷↶ Through-Right		1	
	↷ Right	99	0	655
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	61	0	61
	↷↷ Left-Through		1	
	↷ Through	893	0	658
	↷↶ Through-Right		1	
	↷ Right	56	0	658
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		700
		<i>East-West:</i>		719
		<i>SUM:</i>		1419
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.946
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.846</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #: **6**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: 3rd Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 3	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	100	1	100
	↶↷ Left-Through		0	
	↷ Through	953	2	477
	↷↶ Through-Right		0	
	↷ Right	143	1	51
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	203	1	203
	↷↶ Left-Through		0	
	↷ Through	1008	1	599
	↷↶ Through-Right		1	
	↷ Right	190	0	190
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	198	1	198
	↷↶ Left-Through		0	
	↷ Through	835	1	476
	↷↶ Through-Right		1	
	↷ Right	116	0	116
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	184	1	184
	↶↷ Left-Through		0	
	↶ Through	764	2	382
	↶↶ Through-Right		0	
	↶ Right	203	1	0
	↶↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		699
		<b>East-West:</b>		660
		<b>SUM:</b>		1359
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.988
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.888</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**7**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Martel Avenue/Hauser Blvd  
**East-West Street:** 3rd Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** \_\_\_\_\_ **Analyst:** \_\_\_\_\_ **Date:** \_\_\_\_\_

MOVEMENT		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSC-1 or ATSC+ATCS-2? Override Capacity				2 0 0 0 2 0
		<i>NB</i> -- 0	<i>SB</i> -- 0	0
		<i>EB</i> -- 0	<i>WB</i> -- 0	0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	214	1	214
	Left-Through	0	0	0
	Through	325	1	325
	Through-Right	0	0	0
	Right	128	1	75
	Left-Through-Right	0	0	0
Left-Right		0	0	0
<b>SOUTHBOUND</b>	Left	20	0	20
	Left-Through	0	0	0
	Through	321	0	393
	Through-Right	0	0	0
	Right	52	0	0
	Left-Through-Right	1	1	0
	Left-Right	0	0	0
<b>EASTBOUND</b>	Left	41	1	41
	Left-Through	0	0	0
	Through	983	1	589
	Through-Right	1	1	194
	Right	194	0	194
	Left-Through-Right	0	0	0
Left-Right		0	0	0
<b>WESTBOUND</b>	Left	107	1	107
	Left-Through	0	0	0
	Through	1104	1	568
	Through-Right	1	1	32
	Right	32	0	32
	Left-Through-Right	0	0	0
Left-Right		0	0	0
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		607
		<i>East-West:</i>		696
		<i>SUM:</i>		1303
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.869
<b>V/C LESS ATSC/ATCS ADJUSTMENT:</b>				<b>0.769</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**8**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue/Alta V **East-West Street:** 3rd Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY MIDDAY PEAK HOUR		
		No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity		
			2	
			0	
		NB -- 0      SB -- 0	0	0
		EB -- 0      WB -- 0	0	0
			2	2
			0	0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	← Left	85	0	85
	↔ Left-Through		0	
	→ Through	158	0	323
	↘ Through-Right		0	
	→ Right	80	0	0
	↗ Left-Through-Right		1	
	↘ Left-Right		0	
<b>SOUTHBOUND</b>	← Left	16	0	16
	↔ Left-Through		0	
	→ Through	104	0	151
	↘ Through-Right		0	
	→ Right	31	0	0
	↗ Left-Through-Right		1	
	↘ Left-Right		0	
<b>EASTBOUND</b>	← Left	22	1	22
	↔ Left-Through		0	
	→ Through	1048	1	538
	↘ Through-Right		1	
	→ Right	27	0	27
	↗ Left-Through-Right		0	
	↘ Left-Right		0	
<b>WESTBOUND</b>	← Left	60	1	60
	↔ Left-Through		0	
	→ Through	1109	1	570
	↘ Through-Right		1	
	→ Right	31	0	31
	↗ Left-Through-Right		0	
	↘ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		339
		<i>East-West:</i>		598
		<i>SUM:</i>		937
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.625
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.525</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #:
9

PROJECT TITLE: AMPAS	East-West Street: 3rd Street
North-South Street: La Brea Avenue	Scenario: Future with Project (Year 2017)
Count Date:	Analyst:

Date:

		FRIDAY MIDDAY PEAK HOUR		
				4
		No. of Phases		0
		Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0
		Right Turns: FREE-1, NRTOR-2 or OLA-3?		0
		ATSAC-1 or ATSAC+ATCS-2?		2
		Override Capacity		0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	163	1	163
	↵↔ Left-Through		0	
	↔ Through	1180	1	638
	↔↗ Through-Right		1	
	↔↘ Right	96	0	96
	↔↗↘ Left-Through-Right		0	
	↔↘↗ Left-Right		0	
<b>SOUTHBOUND</b>	↙ Left	92	1	92
	↙↔ Left-Through		0	
	↔ Through	1188	1	656
	↔↗ Through-Right		1	
	↔↘ Right	123	0	123
	↔↗↘ Left-Through-Right		0	
	↔↘↗ Left-Right		0	
<b>EASTBOUND</b>	↙ Left	125	1	125
	↙↔ Left-Through		0	
	↔ Through	799	2	400
	↔↗ Through-Right		0	
	↔↘ Right	163	1	82
	↔↗↘ Left-Through-Right		0	
	↔↘↗ Left-Right		0	
<b>WESTBOUND</b>	↙ Left	129	1	129
	↙↔ Left-Through		0	
	↔ Through	907	1	496
	↔↗ Through-Right		1	
	↔↘ Right	85	0	85
	↔↗↘ Left-Through-Right		0	
	↔↘↗ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		819
		<i>East-West:</i>		621
		<i>SUM:</i>		1440
VOLUME/CAPACITY (V/C) RATIO:				1.047
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.947
LEVEL OF SERVICE (LOS):				E



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**10**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: Colgate Avenue**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	23	1	23
	↵↔ Left-Through		0	
	↔ Through	1207	1	645
	↔↘ Through-Right		1	
	↘ Right	82	0	82
	↘↔ Left-Through-Right		0	
	↘↵ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	31	1	31
	↵↔ Left-Through		0	
	↔ Through	1246	1	633
	↔↘ Through-Right		1	
	↘ Right	20	0	20
	↘↔ Left-Through-Right		0	
	↘↵ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	11	0	11
	↵↔ Left-Through		0	
	↔ Through	32	0	68
	↔↘ Through-Right		0	
	↘ Right	25	0	0
	↘↔ Left-Through-Right		1	
	↘↵ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	121	0	121
	↵↔ Left-Through		0	
	↔ Through	26	0	167
	↔↘ Through-Right		0	
	↘ Right	20	0	0
	↘↔ Left-Through-Right		1	
	↘↵ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		676
		<i>East-West:</i>		189
		<b>SUM:</b>		865
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.577
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.477</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**12**

**PROJECT TITLE:** AMPAS  
**North-South Street:** San Vicente Boulevard     **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**     **Analyst:**     **Date:**

		FRIDAY MIDDAY PEAK HOUR		
		No. of Phases		3
		Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0
		Right Turns: FREE-1, NRTOR-2 or OLA-3?		0
		ATSAC-1 or ATSAC+ATCS-2?		2
		Override Capacity		0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	2	0	0
	↵↷ Left-Through		0	
	↷ Through	1077	2	379
	↷↵ Through-Right		1	
	↷ Right	60	0	60
	↷↷ Left-Through-Right		0	
<b>SOUTHBOUND</b>	↷↵ Left	222	1	222
	↷↷ Left-Through		0	
	↷ Through	923	3	308
	↷↵ Through-Right		0	
	↷ Right	0	0	0
	↷↷ Left-Through-Right		0	
	↷↵ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	0	0	0
	↵↷ Left-Through		0	
	↷ Through	0	0	0
	↷↵ Through-Right		0	
	↷ Right	0	0	0
	↷↷ Left-Through-Right		0	
<b>WESTBOUND</b>	↷↵ Left	116	0	116
	↷↷ Left-Through		1	
	↷ Through	0	0	116
	↷↵ Through-Right		0	
	↷ Right	198	1	0
	↷↷ Left-Through-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		601
		<b>East-West:</b>		116
		<b>SUM:</b>		717
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.503
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.403</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**12**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boul East-West Street: 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	14	0	14
	↶↷ Left-Through		1	
	↷ Through	708	0	418
	↷↶ Through-Right		1	
	↷ Right	71	0	418
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	59	0	59
	↷↷ Left-Through		1	
	↷ Through	682	0	476
	↷↶ Through-Right		1	
	↷ Right	34	0	476
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	39	0	39
	↷↷ Left-Through		0	
	↷ Through	280	0	348
	↷↶ Through-Right		0	
	↷ Right	29	0	0
	↷↷ Left-Through-Right		1	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	66	0	66
	↷↷ Left-Through		0	
	↷ Through	262	0	386
	↷↶ Through-Right		0	
	↷ Right	58	0	0
	↷↷ Left-Through-Right		1	
	↷↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		490
		<i>East-West:</i>		425
		<i>SUM:</i>		915
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.610
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.510</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: 13

PROJECT TITLE: AMPAS  
 North-South Street: Fairfax Avenue East-West Street: 6th Street  
 Scenario: Future with Project (Year 2017)  
 Count Date: Analyst: Date:

		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	20	1	20
	Left-Through		0	
	Through	1043	2	522
	Through-Right		0	
	Right	205	1	205
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	170	1	170
	Left-Through		0	
	Through	1177	1	612
	Through-Right		1	
	Right	46	0	46
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	44	1	44
	Left-Through		0	
	Through	375	0	398
	Through-Right		1	
	Right	23	0	0
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	166	2	91
	Left-Through		0	
	Through	362	1	362
	Through-Right		0	
	Right	235	1	150
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES			North-South:	692
			East-West:	489
			SUM:	1181
VOLUME/CAPACITY (V/C) RATIO:				0.829
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.729
LEVEL OF SERVICE (LOS):				C



# Level of Service Worksheet (Circular 212 Method)



**I/S #:** 14     
**PROJECT TITLE:** AMPAS  
**North-South Street:** Odgen Drive/Project Dv     
**East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**     
**Analyst:**     
**Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	110	0	110
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	68	0	178
	Left-Through-Right		0	
	Left-Right		1	
<b>SOUTHBOUND</b>	Left	8	0	8
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	12	0	20
	Left-Through-Right		0	
		Left-Right		1
<b>EASTBOUND</b>	Left	11	1	11
	Left-Through		0	
	Through	595	1	374
	Through-Right		1	
	Right	153	0	153
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	76	1	76
	Left-Through		0	
	Through	654	1	328
	Through-Right		1	
	Right	2	0	2
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		186
		<i>East-West:</i>		450
		<b>SUM:</b>		636
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.424
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.324</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>

# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
15

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	109	1	109
	Left-Through		0	
	Through	50	0	197
	Through-Right		1	
	Right	147	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	35	1	35
	Left-Through		0	
	Through	48	0	82
	Through-Right		1	
	Right	34	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>EASTBOUND</b>	Left	37	1	37
	Left-Through		0	
	Through	559	1	318
	Through-Right		1	
	Right	76	0	76
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	88	1	88
	Left-Through		0	
	Through	597	1	324
	Through-Right		1	
	Right	50	0	50
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	232
			<i>East-West:</i>	406
			<b>SUM:</b>	638
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.425
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.325</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



**Level of Service Worksheet  
(Circular 212 Method)**



**I/S #:**  
**16**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	67	1	67
	↶↷ Left-Through		0	
	↷ Through	419	0	444
	↷↶ Through-Right		1	
	↷ Right	25	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	58	1	58
	↷↶ Left-Through		0	
	↷ Through	404	1	404
	↷↶ Through-Right		0	
	↷ Right	101	1	101
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	87	0	87
	↷↶ Left-Through		1	
	↷ Through	642	0	523
	↷↶ Through-Right		1	
	↷ Right	55	0	523
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	24	0	24
	↷↶ Left-Through		1	
	↷ Through	572	0	351
	↷↶ Through-Right		1	
	↷ Right	34	0	351
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		502
		<i>East-West:</i>		547
		<i>SUM:</i>		1049
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.699
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.599</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>





# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Burnside Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**                                      **Analyst:**                                      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
				2
No. of Phases				0
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	11	0	11
	↵↘ Left-Through		0	
	↘ Through	49	0	96
	↘↗ Through-Right		0	
	↗ Right	36	0	0
	↗↘ Left-Through-Right		1	
	↗↘ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	59	0	59
	↵↘ Left-Through		1	
	↘ Through	43	0	102
	↘↗ Through-Right		0	
	↗ Right	12	1	12
	↗↘ Left-Through-Right		0	
	↗↘ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	14	0	14
	↵↘ Left-Through		1	
	↘ Through	712	0	397
	↘↗ Through-Right		1	
	↗ Right	26	0	397
	↗↘ Left-Through-Right		0	
	↗↘ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	28	0	28
	↵↘ Left-Through		1	
	↘ Through	603	0	387
	↘↗ Through-Right		1	
	↗ Right	59	0	387
	↗↘ Left-Through-Right		0	
	↗↘ Left-Right		0	
CRITICAL VOLUMES		<b>North-South:</b>		155
		<b>East-West:</b>		425
		<b>SUM:</b>		580
VOLUME/CAPACITY (V/C) RATIO:				0.387
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.287</b>
LEVEL OF SERVICE (LOS):				<b>A</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**19**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	35	1	35
	Left-Through		0	
	Through	1164	2	582
	Through-Right		0	
	Right	28	1	28
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	66	1	66
	Left-Through		0	
	Through	1296	2	463
	Through-Right		1	
	Right	93	0	93
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	94	0	94
	Left-Through		1	
	Through	577	0	429
	Through-Right		1	
	Right	93	0	429
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	29	0	29
	Left-Through		1	
	Through	493	0	522
	Through-Right		0	
	Right	80	1	47
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		North-South:		648
		East-West:		616
		SUM:		1264
VOLUME/CAPACITY (V/C) RATIO:				0.843
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.743</b>
LEVEL OF SERVICE (LOS):				<b>C</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: 21

**PROJECT TITLE: AMPAS**  
**North-South Street: San Vicente Boulevard East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date: Analyst: Date:**

MOVEMENT		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		4		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity		2		
		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	235	2	129
	Left-Through		0	
	Through	766	2	269
	Through-Right		1	
	Right	42	0	42
	Left-Through-Right		0	
SOUTHBOUND	Left	223	2	123
	Left-Through		0	
	Through	723	3	241
	Through-Right		0	
	Right	131	0	0
	Left-Through-Right		0	
EASTBOUND	Left	75	1	75
	Left-Through		0	
	Through	1133	2	450
	Through-Right		1	
	Right	216	0	216
	Left-Through-Right		0	
WESTBOUND	Left	30	1	30
	Left-Through		0	
	Through	1060	2	424
	Through-Right		1	
	Right	213	0	213
	Left-Through-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		392
		<i>East-West:</i>		499
		<b>SUM:</b>		891
VOLUME/CAPACITY (V/C) RATIO:				0.648
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.548</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**22**

**PROJECT TITLE: AMPAS**  
**North-South Street: Crescent Heights Boulc East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date: Analyst: Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity		2		
		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	1	0	0
	↷ Left-Through		0	
	↘ Through	649	1	375
	↘ Through-Right		1	
	↘ Right	100	0	100
	↷ Left-Through-Right		0	
	↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	115	0	115
	↶ Left-Through		1	
	↘ Through	534	0	563
	↘ Through-Right		1	
	↘ Right	132	0	563
	↷ Left-Through-Right		0	
	↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	106	1	106
	↷ Left-Through		0	
	↘ Through	1236	2	442
	↘ Through-Right		1	
	↘ Right	89	0	89
	↷ Left-Through-Right		0	
	↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	76	1	76
	↶ Left-Through		0	
	↘ Through	1220	2	434
	↘ Through-Right		1	
	↘ Right	81	0	81
	↷ Left-Through-Right		0	
	↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b> 563 <b>East-West:</b> 540 <b>SUM:</b> 1103		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.735		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.635</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>B</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**23**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	3
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	151	1	151
	↶↷ Left-Through		0	
	↷ Through	839	1	480
	↷↶ Through-Right		1	
	↷ Right	120	0	120
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	194	1	194
	↷↶ Left-Through		0	
	↷ Through	922	2	461
	↷↶ Through-Right		0	
	↷ Right	216	1	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	231	1	231
	↶↷ Left-Through		0	
	↶ Through	1061	2	394
	↶↷ Through-Right		1	
	↶ Right	121	0	121
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	97	1	97
	↷↶ Left-Through		0	
	↷ Through	995	2	398
	↷↶ Through-Right		1	
	↷ Right	199	0	199
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		674
		<i>East-West:</i>		629
		<i>SUM:</i>		1303
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.948
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.848</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>

## Level of Service Worksheet (Circular 212 Method)



I/S #: **24**

**PROJECT TITLE: AMPAS**  
**North-South Street: Spaulding Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	58	0	58
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	71	0	129
	Left-Through-Right		0	
	Left-Right		1	
<b>SOUTHBOUND</b>	Left	0	0	0
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>EASTBOUND</b>	Left	0	0	0
	Left-Through		0	
	Through	1286	2	643
	Through-Right		0	
	Right	87	1	87
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	73	1	73
	Left-Through		0	
	Through	1249	2	625
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	129
			<i>East-West:</i>	716
			<b>SUM:</b>	845
VOLUME/CAPACITY (V/C) RATIO:				0.563
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.463</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**25**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> --	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB</i> -- 0	<i>WB</i> --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	53	0	53
	↵↻ Left-Through		0	
	→ Through	120	0	276
	→↻ Through-Right		0	
	↻ Right	103	0	0
	↻↻ Left-Through-Right		1	
	↻↻↻ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	64	0	64
	↵↻ Left-Through		0	
	→ Through	106	0	282
	→↻ Through-Right		0	
	↻ Right	112	0	0
	↻↻ Left-Through-Right		1	
	↻↻↻ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	102	1	102
	↵↻ Left-Through		0	
	→ Through	1172	2	586
	→↻ Through-Right		0	
	↻ Right	31	1	31
	↻↻ Left-Through-Right		0	
	↻↻↻ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	38	1	38
	↵↻ Left-Through		0	
	→ Through	1176	2	588
	→↻ Through-Right		0	
	↻ Right	38	1	38
	↻↻ Left-Through-Right		0	
	↻↻↻ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		340
		<i>East-West:</i>		690
		<i>SUM:</i>		1030
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.687
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.587</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>





# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**26**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↵ Left	84	1	84
	↵↔ Left-Through		0	
	→ Through	384	1	384
	→↔ Through-Right		0	
	↘ Right	119	1	88
	↘↔ Left-Through-Right		0	
	↙↔ Left-Right		0	
SOUTHBOUND	↵ Left	59	1	59
	↵↔ Left-Through		0	
	→ Through	344	0	408
	→↔ Through-Right		1	
	↘ Right	64	0	0
	↘↔ Left-Through-Right		0	
	↙↔ Left-Right		0	
EASTBOUND	↵ Left	80	1	80
	↵↔ Left-Through		0	
	→ Through	1234	2	617
	→↔ Through-Right		0	
	↘ Right	70	1	28
	↘↔ Left-Through-Right		0	
	↙↔ Left-Right		0	
WESTBOUND	↵ Left	62	1	62
	↵↔ Left-Through		0	
	→ Through	1209	2	605
	→↔ Through-Right		0	
	↘ Right	78	1	49
	↘↔ Left-Through-Right		0	
	↙↔ Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		492
		<i>East-West:</i>		685
		<i>SUM:</i>		1177
VOLUME/CAPACITY (V/C) RATIO:				0.785
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.685
LEVEL OF SERVICE (LOS):				B



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
27

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**                                      **Analyst:**                                      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	53	0	53
	Left-Through		0	
	Through	211	0	307
	Through-Right		0	
	Right	43	0	0
	Left-Through-Right		1	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	31	0	31
	Left-Through		0	
	Through	133	0	268
	Through-Right		0	
	Right	104	0	0
	Left-Through-Right		1	
	Left-Right		0	
<b>EASTBOUND</b>	Left	52	1	52
	Left-Through		0	
	Through	1350	2	675
	Through-Right		0	
	Right	32	1	32
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	22	1	22
	Left-Through		0	
	Through	1267	2	634
	Through-Right		0	
	Right	54	1	54
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	338
			<i>East-West:</i>	697
			<b>SUM:</b>	1035
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.690
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.590</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #: 28

PROJECT TITLE: AMPAS  
 North-South Street: La Brea Avenue East-West Street: Wilshire Boulevard  
 Scenario: Future with Project (Year 2017)  
 Count Date: Analyst: Date:

		MOVEMENT	FRIDAY MIDDAY PEAK HOUR		
			Volume	No. of Lanes	Lane Volume
		No. of Phases	4		
		Opposed Ø'ing: N/S-1, E/W-2 or Both-3?	0		
		Right Turns: FREE-1, NRTOR-2 or OLA-3?	0		
		ATSAC-1 or ATSAC+ATCS-2?	2		
		Override Capacity	0		
			NB -- 0	SB -- 0	0
			EB -- 0	WB -- 0	0
NORTHBOUND	↵	Left	119	1	119
	↵↶	Left-Through		0	
	→	Through	927	2	330
	↵→	Through-Right		1	
	↶	Right	62	0	62
	↵↶↶	Left-Through-Right		0	
	↶↶	Left-Right		0	
SOUTHBOUND	↵	Left	109	1	109
	↵↶	Left-Through		0	
	→	Through	1117	2	444
	↵→	Through-Right		1	
	↶	Right	215	0	215
	↵↶↶	Left-Through-Right		0	
	↶↶	Left-Right		0	
EASTBOUND	↵	Left	212	1	212
	↵↶	Left-Through		0	
	→	Through	992	2	496
	↵→	Through-Right		0	
	↶	Right	149	1	90
	↵↶↶	Left-Through-Right		0	
	↶↶	Left-Right		0	
WESTBOUND	↵	Left	166	1	166
	↵↶	Left-Through		0	
	→	Through	1085	2	543
	↵→	Through-Right		0	
	↶	Right	140	1	86
	↵↶↶	Left-Through-Right		0	
	↶↶	Left-Right		0	
CRITICAL VOLUMES			<b>North-South:</b> 563		
			<b>East-West:</b> 755		
			<b>SUM:</b> 1318		
VOLUME/CAPACITY (V/C) RATIO:			0.959		
V/C LESS ATSAC/ATCS ADJUSTMENT:			<b>0.859</b>		
LEVEL OF SERVICE (LOS):			<b>D</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**29**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: 8th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	993	1	521
	↷↶ Through-Right		1	
	↷ Right	48	0	48
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	117	1	117
	↷↶ Left-Through		0	
	↷ Through	1117	2	559
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	3	0	3
	↷↶ Left-Through		0	
	↷ Through	25	0	32
	↷↶ Through-Right		0	
	↷ Right	4	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	87	1	69
	↶↷ Left-Through		0	
	↶ Through	0	0	0
	↶↶ Through-Right		0	
	↶ Right	119	1	11
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		1	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	638
			<i>East-West:</i>	101
			<b>SUM:</b>	739
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.519
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.419</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	110	0	110
	↶↷ Left-Through		1	
	↷ Through	533	0	389
	↷↶ Through-Right		1	
	↷ Right	24	0	389
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	85	0	85
	↷↶ Left-Through		1	
	↷ Through	516	1	343
	↷↶ Through-Right		0	
	↷ Right	67	0	67
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	44	1	44
	↷↶ Left-Through		0	
	↷ Through	706	2	244
	↷↶ Through-Right		1	
	↷ Right	26	0	26
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	43	1	43
	↷↶ Left-Through		0	
	↷ Through	855	2	311
	↷↶ Through-Right		1	
	↷ Right	77	0	77
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		474
		<b>East-West:</b>		355
		<b>SUM:</b>		829
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.553
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.453</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: 31

PROJECT TITLE: AMPAS  
North-South Street: Carillo Drive/Crescent I East-West Street: Olympic Boulevard  
Scenario: Future with Project (Year 2017)  
Count Date: Analyst: Date:

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	2
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	0	0	0
	Left-Through		0	
	Through	506	1	506
	Through-Right		0	
	Right	57	1	36
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	0	0	0
	Left-Through		0	
	Through	386	0	289
	Through-Right		1	
	Right	192	1	0
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	163	1	163
	Left-Through		0	
	Through	1123	2	562
	Through-Right		0	
	Right	40	1	40
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	42	1	42
	Left-Through		0	
	Through	1043	2	522
	Through-Right		0	
	Right	15	1	15
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES			North-South: 506	
			East-West: 685	
			SUM: 1191	
VOLUME/CAPACITY (V/C) RATIO:				0.794
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.694
LEVEL OF SERVICE (LOS):				B



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: San Vicente Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> -- 0	0
		<i>EB</i> -- 0	<i>WB</i> -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	12	0	0
	↶↷ Left-Through		0	
	↷ Through	830	2	415
	↷↶ Through-Right		0	
	↷ Right	1	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	112	1	112
	↷↶ Left-Through		0	
	↷ Through	1013	1	533
	↷↶ Through-Right		1	
	↷ Right	53	0	53
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	38	1	38
	↷↶ Left-Through		0	
	↷ Through	710	4	178
	↷↶ Through-Right		0	
	↷ Right	107	1	107
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	1	0	0
	↶↷ Left-Through		0	
	↶ Through	940	2	383
	↶↷ Through-Right		1	
	↶ Right	210	0	210
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		533
		<i>East-West:</i>		421
		<i>SUM:</i>		954
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.669
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.569</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**33**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	39	1	39
	↶↷ Left-Through		0	
	↷ Through	703	1	369
	↷↶ Through-Right		1	
	↷ Right	35	0	35
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	3	0	0
	↷↶ Left-Through		0	
	↷ Through	901	1	564
	↷↶ Through-Right		1	
	↷ Right	227	0	227
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	117	1	117
	↶↷ Left-Through		0	
	↶ Through	1131	2	387
	↶↷ Through-Right		1	
	↶ Right	31	0	31
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	73	1	73
	↷↶ Left-Through		0	
	↷ Through	935	3	312
	↷↶ Through-Right		0	
	↷ Right	20	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		603
		<i>East-West:</i>		460
		<i>SUM:</i>		1063
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.746
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.646</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>







## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**35**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: Olympic Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	5	0	5
	↶↷ Left-Through		0	
	↷ Through	85	0	119
	↷↶ Through-Right		0	
	↷ Right	29	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	37	0	37
	↷↷ Left-Through		0	
	↷ Through	67	0	145
	↷↶ Through-Right		0	
	↷ Right	41	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	52	1	52
	↷↷ Left-Through		0	
	↷ Through	1094	2	547
	↷↶ Through-Right		0	
	↷ Right	23	1	23
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	20	1	20
	↷↷ Left-Through		0	
	↷ Through	1059	2	530
	↷↶ Through-Right		0	
	↷ Right	33	1	33
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	156
			<b>East-West:</b>	582
			<b>SUM:</b>	738
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.492
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.392</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



### Level of Service Worksheet (Circular 212 Method)



I/S #: **36**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Hauser Boulevard **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	30	1	30
	Left-Through		0	
	Through	416	0	466
	Through-Right		1	
	Right	50	0	0
	Left-Through-Right		0	
Left-Right		0		
SOUTHBOUND	Left	51	1	51
	Left-Through		0	
	Through	349	0	439
	Through-Right		1	
	Right	90	0	0
	Left-Through-Right		0	
Left-Right		0		
EASTBOUND	Left	128	1	128
	Left-Through		0	
	Through	996	2	498
	Through-Right		0	
	Right	31	1	16
	Left-Through-Right		0	
Left-Right		0		
WESTBOUND	Left	45	1	45
	Left-Through		0	
	Through	975	2	488
	Through-Right		0	
	Right	72	1	47
	Left-Through-Right		0	
Left-Right		0		
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		517
		<b>East-West:</b>		616
		<b>SUM:</b>		1133
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.755
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.655</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**37**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> -- 0	0
		<i>EB</i> -- 0	<i>WB</i> -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	23	0	23
	↶ Left-Through		0	
	↷ Through	122	0	210
	↷ Through-Right		0	
	↷ Right	65	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	23	0	23
	↷ Left-Through		0	
	↷ Through	82	0	134
	↷ Through-Right		0	
	↷ Right	29	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	30	1	30
	↶ Left-Through		0	
	↷ Through	876	2	438
	↷ Through-Right		0	
	↷ Right	9	1	9
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	36	1	36
	↶ Left-Through		0	
	↷ Through	1053	2	527
	↷ Through-Right		0	
	↷ Right	42	1	42
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		233
		<i>East-West:</i>		557
		<i>SUM:</i>		790
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.527
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.427</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**38**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Pico Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	149	1	149
	↶↷ Left-Through		0	
	↷ Through	714	2	357
	↷↶ Through-Right		0	
	↷ Right	135	1	85
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	76	1	76
	↷↶ Left-Through		0	
	↷ Through	812	2	406
	↷↶ Through-Right		0	
	↷ Right	66	1	36
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	60	1	60
	↷↶ Left-Through		0	
	↷ Through	806	1	452
	↷↶ Through-Right		1	
	↷ Right	97	0	97
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	101	1	101
	↷↶ Left-Through		0	
	↷ Through	696	1	366
	↷↶ Through-Right		1	
	↷ Right	36	0	36
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		555
		<i>East-West:</i>		553
		<i>SUM:</i>		1108
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.778
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.678</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>

FUTURE WITH PROJECT CONDITIONS - YEAR 2017

**AMPAS Museum**

Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

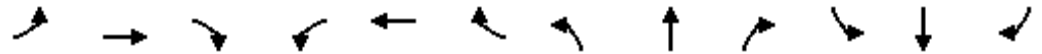
**FRIDAY MIDDAY PEAK HOUR**

Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	163	0.000	N/S 1: 0.363
	Through	3.00	4,800	1,008	0.257 *	N/S 2: 0.374 *
	Left	1.00	1,600	113	0.074	E/W 1: 0.460 *
Westbound	Right	0.00	0	125	0.000	E/W 2: 0.442
	Through	3.00	4,800	1,193	0.289	V/C Ratio: 0.834
	Left	1.00	1,600	234	0.154 *	Loss Time: 0.100
Northbound	Right	0.00	0	199	0.000	ITS: 0.000
	Through	3.00	4,800	1,121	0.289	ICU: 0.934
	Left	1.00	1,600	178	0.117 *	LOS: E
Eastbound	Right	0.00	0	205	0.000	
	Through	3.00	4,800	1,190	0.306 *	
	Left	1.00	1,600	233	0.153	

\* Critical Movement

HCM Signalized Intersection Capacity Analysis  
 43: Santa Monica Blvd & Fairfax Ave

5/11/2015



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↖	↗		↖	↗		↖	↗	↗	↖	↗	
Volume (vph)	136	742	98	283	770	120	130	856	189	95	823	83
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Frt	1.00	0.98		1.00	0.98		1.00	1.00	0.85	1.00	0.99	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2965		1509	2957		1509	3018	1350	1509	2976	
Flt Permitted	0.20	1.00		0.22	1.00		0.17	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	323	2965		346	2957		263	3018	1350	260	2976	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	143	781	103	298	811	126	137	901	199	100	866	87
RTOR Reduction (vph)	0	10	0	0	12	0	0	0	79	0	8	0
Lane Group Flow (vph)	143	874	0	298	925	0	137	901	120	100	946	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	53.5	47.0		54.5	47.5		32.2	25.2	25.2	31.1	24.9	
Effective Green, g (s)	51.5	47.0		52.5	47.5		30.2	25.3	25.3	30.1	25.0	
Actuated g/C Ratio	0.52	0.47		0.52	0.48		0.30	0.25	0.25	0.30	0.25	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	232	1394		251	1405		154	764	342	149	744	
v/s Ratio Prot	0.03	0.29		c0.07	0.31		c0.05	0.30		0.04	c0.32	
v/s Ratio Perm	0.28			c0.55			0.22		0.09	0.16		
v/c Ratio	0.62	0.63		1.19	0.66		0.89	1.18	0.35	0.67	1.27	
Uniform Delay, d1	14.7	19.9		22.0	20.1		31.2	37.4	30.6	28.4	37.5	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.69	0.59	
Incremental Delay, d2	3.4	2.1		117.0	2.4		47.9	94.0	2.8	8.1	131.4	
Delay (s)	18.1	22.1		139.0	22.5		79.1	131.3	33.4	27.8	153.6	
Level of Service	B	C		F	C		E	F	C	C	F	
Approach Delay (s)		21.5			50.6			109.8			141.7	
Approach LOS		C			D			F			F	

Intersection Summary

HCM Average Control Delay	81.2	HCM Level of Service	F
HCM Volume to Capacity ratio	1.13		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	97.7%	ICU Level of Service	F
Analysis Period (min)	15		
c Critical Lane Group			



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**1**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: Sunset Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	121	1	121
	Left-Through		0	
	Through	1045	2	523
	Through-Right		0	
	Right	241	1	15
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	71	1	71
	Left-Through		0	
	Through	583	2	292
	Through-Right		0	
	Right	179	1	47
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	264	1	264
	Left-Through		0	
	Through	1306	2	471
	Through-Right		1	
	Right	106	0	106
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	226	1	226
	Left-Through		0	
	Through	965	2	345
	Through-Right		1	
	Right	69	0	69
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		594
		<i>East-West:</i>		697
		<i>SUM:</i>		1291
VOLUME/CAPACITY (V/C) RATIO:				0.939
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.839</b>
LEVEL OF SERVICE (LOS):				<b>D</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**3**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Melrose Avenue  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	102	1	102
	↶↷ Left-Through		0	
	↷ Through	1154	2	448
	↷↶ Through-Right		1	
	↷ Right	189	0	189
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	98	1	98
	↷↶ Left-Through		0	
	↷ Through	755	2	296
	↷↶ Through-Right		1	
	↷ Right	132	0	132
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	161	1	161
	↷↶ Left-Through		0	
	↷ Through	1131	1	629
	↷↶ Through-Right		1	
	↷ Right	126	0	126
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	201	1	201
	↶↷ Left-Through		0	
	↶ Through	761	1	439
	↶↷ Through-Right		1	
	↶ Right	117	0	117
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		546
		<b>East-West:</b>		830
		<b>SUM:</b>		1376
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.966
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.866</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**4**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Beverly Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 3	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	151	1	151
	↶↷ Left-Through		0	
	↷ Through	1025	2	513
	↷↶ Through-Right		0	
	↷ Right	208	1	12
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	134	1	134
	↷↶ Left-Through		0	
	↷ Through	1007	1	566
	↷↶ Through-Right		1	
	↷ Right	125	0	125
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	114	1	114
	↷↶ Left-Through		0	
	↷ Through	1046	2	523
	↷↶ Through-Right		0	
	↷ Right	96	1	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	196	1	196
	↷↶ Left-Through		0	
	↷ Through	997	2	499
	↷↶ Through-Right		0	
	↷ Right	171	1	37
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		717
		<i>East-West:</i>		719
		<i>SUM:</i>		1436
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.044
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.944</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>E</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**5**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boul East-West Street: 3rd Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	2	0	0
	↶↷ Left-Through		0	
	↷ Through	938	1	489
	↷↶ Through-Right		1	
	↷ Right	39	0	39
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	9	0	0
	↷↷ Left-Through		0	
	↷ Through	682	1	682
	↷↶ Through-Right		0	
	↷ Right	63	1	63
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	8	0	0
	↷↷ Left-Through		0	
	↷ Through	1116	1	597
	↷↶ Through-Right		1	
	↷ Right	77	0	77
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	6	0	0
	↶↷ Left-Through		0	
	↶ Through	786	1	428
	↶↶ Through-Right		1	
	↶ Right	70	0	70
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	682
			<i>East-West:</i>	597
			<b>SUM:</b>	1279
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.853
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.753</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**6**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 3rd Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	92	1	92
	↶ Left-Through		0	
	↷ Through	932	2	466
	↷ Through-Right		0	
	↷ Right	108	1	27
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	189	1	189
	↷ Left-Through		0	
	↶ Through	999	1	584
	↶ Through-Right		1	
	↶ Right	169	0	169
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	212	1	212
	↶ Left-Through		0	
	↷ Through	982	1	532
	↷ Through-Right		1	
	↷ Right	82	0	82
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	162	1	162
	↶ Left-Through		0	
	↷ Through	700	2	350
	↷ Through-Right		0	
	↷ Right	230	1	41
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	676
			<b>East-West:</b>	694
			<b>SUM:</b>	1370
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.996
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.896</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**7**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Martel Avenue/Hauser Blvd **East-West Street:** 3rd Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	197	1	197
	↶↷ Left-Through		0	
	↷ Through	351	1	351
	↷↶ Through-Right		0	
	↷ Right	128	1	77
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	21	0	21
	↷↷ Left-Through		0	
	↷ Through	348	0	405
	↷↶ Through-Right		0	
	↷ Right	36	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	28	1	28
	↷↷ Left-Through		0	
	↷ Through	1111	1	666
	↷↶ Through-Right		1	
	↷ Right	221	0	221
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	102	1	102
	↶↷ Left-Through		0	
	↶ Through	1108	1	582
	↶↶ Through-Right		1	
	↶ Right	56	0	56
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		602
		<i>East-West:</i>		768
		<i>SUM:</i>		1370
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.913
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.813</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**8**

**PROJECT TITLE:** AMPAS

**North-South Street:** Cochran Avenue/Alta V    **East-West Street:** 3rd Street

**Scenario:** Future with Project (Year 2017)

**Count Date:**

**Analyst:**

**Date:**

		FRIDAY PM PEAK HOUR		
		No. of Phases		2
		Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0
		Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB -- 0      SB --	0
		ATSAC-1 or ATSAC+ATCS-2?	EB -- 0      WB --	0
		Override Capacity		2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	111	0	111
	↶ Left-Through		0	
	↷ Through	181	0	440
	↷ Through-Right		0	
	↷ Right	148	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	34	0	34
	↷ Left-Through		0	
	↷ Through	124	0	174
	↷ Through-Right		0	
	↷ Right	16	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	11	1	11
	↷ Left-Through		0	
	↷ Through	1178	1	612
	↷ Through-Right		1	
	↷ Right	46	0	46
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	55	1	55
	↷ Left-Through		0	
	↷ Through	1101	1	563
	↷ Through-Right		1	
	↷ Right	24	0	24
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	474
			<b>East-West:</b>	667
			<b>SUM:</b>	1141
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.761
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.661</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #:
9

PROJECT TITLE: AMPAS		
North-South Street: La Brea Avenue	East-West Street: 3rd Street	
Scenario: Future with Project (Year 2017)		
Count Date:	Analyst:	Date:

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↵	184	1	184
	↵→		0	
	→	1660	2	591
	→↵		1	
	↵↵	113	0	113
	↵→↵		0	
	↵↵↵		0	
SOUTHBOUND	↵	101	1	101
	↵→		0	
	→	1402	2	498
	→↵		1	
	↵↵	91	0	91
	↵→↵		0	
	↵↵↵		0	
EASTBOUND	↵	102	1	102
	↵→		0	
	→	1074	2	537
	→↵		0	
	↵↵	152	1	60
	↵→↵		0	
	↵↵↵		0	
WESTBOUND	↵	137	1	137
	↵→		0	
	→	950	1	524
	→↵		1	
	↵↵	97	0	97
	↵→↵		0	
	↵↵↵		0	
CRITICAL VOLUMES				North-South: 692
				East-West: 674
				SUM: 1366
VOLUME/CAPACITY (V/C) RATIO:				0.993
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.893</b>
LEVEL OF SERVICE (LOS):				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**10**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: Colgate Avenue**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	20	1	20
	↶↷ Left-Through		0	
	↷ Through	1233	1	670
	↷↶ Through-Right		1	
	↷ Right	106	0	106
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	61	1	61
	↷↶ Left-Through		0	
	↷ Through	1218	1	616
	↷↶ Through-Right		1	
	↷ Right	14	0	14
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	16	0	16
	↷↶ Left-Through		0	
	↷ Through	119	0	163
	↷↶ Through-Right		0	
	↷ Right	28	0	0
	↷↶↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	114	0	114
	↶↷ Left-Through		0	
	↶ Through	31	0	167
	↶↷ Through-Right		0	
	↶ Right	22	0	0
	↶↷↶ Left-Through-Right		1	
	↶↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		731
		<i>East-West:</i>		277
		<i>SUM:</i>		1008
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.672
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.572</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>





**Level of Service Worksheet  
(Circular 212 Method)**



I/S #:   
 **12**

PROJECT TITLE: **AMPAS**  
 North-South Street: **San Vicente Boulevard** East-West Street: **6th Street**  
 Scenario: **Future with Project (Year 2017)**  
 Count Date: Analyst: Date:

		FRIDAY PM PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				3
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	3
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	3	0	0
	Left-Through		0	
	Through	1097	2	389
	Through-Right		1	
	Right	71	0	71
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	475	1	475
	Left-Through		0	
	Through	1304	3	435
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	0	0	0
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	92	0	92
	Left-Through		1	
	Through	0	0	92
	Through-Right		0	
	Right	239	1	0
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES			North-South:	864
			East-West:	92
			SUM:	956
VOLUME/CAPACITY (V/C) RATIO:				0.671
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.571</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**12**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boulc **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	1	0	0
	↶↷ Left-Through		0	
	↷ Through	930	1	495
	↷↶ Through-Right		1	
	↷ Right	60	0	60
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	5	0	0
	↷↷ Left-Through		0	
	↷ Through	733	1	380
	↷↶ Through-Right		1	
	↷ Right	27	0	27
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	45	0	45
	↷↷ Left-Through		0	
	↷ Through	402	0	506
	↷↶ Through-Right		0	
	↷ Right	59	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	64	0	64
	↶↷ Left-Through		0	
	↶ Through	305	0	476
	↶↶ Through-Right		0	
	↶ Right	107	0	0
	↶↷ Left-Through-Right		1	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	495
			<i>East-West:</i>	570
			<i>SUM:</i>	1065
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.710
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.610</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	23	1	23
	↶ Left-Through		0	
	↷ Through	1017	2	509
	↷ Through-Right		0	
	↷ Right	325	1	325
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	182	1	182
	↷ Left-Through		0	
	↷ Through	1200	1	624
	↷ Through-Right		1	
	↷ Right	48	0	48
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	29	1	29
	↶ Left-Through		0	
	↷ Through	476	0	485
	↷ Through-Right		1	
	↷ Right	9	0	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	243	2	134
	↶ Left-Through		0	
	↷ Through	432	1	432
	↷ Through-Right		0	
	↷ Right	269	1	178
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		691
		<b>East-West:</b>		619
		<b>SUM:</b>		1310
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.919
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.819</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #:  
14

PROJECT TITLE: AMPAS  
North-South Street: Odgen Drive/Project Dv East-West Street: 6th Street  
Scenario: Future with Project (Year 2017)  
Count Date: Analyst: Date:

MOVEMENT		Volume	No. of Lanes	Lane Volume	FRIDAY PM PEAK HOUR	
No. of Phases						2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?						0
Right Turns: FREE-1, NRTOR-2 or OLA-3?						0
ATSAC-1 or ATSAC+ATCS-2?						2
Override Capacity						0
						0
						0
						0
						2
						0
MOVEMENT		Volume	No. of Lanes	Lane Volume		
NORTHBOUND	Left	165	0	165		
	Left-Through		0			
	Through	0	0	0		
	Through-Right		0			
	Right	130	0	295		
	Left-Through-Right		0			
	Left-Right		1			
SOUTHBOUND	Left	9	0	9		
	Left-Through		0			
	Through	1	0	0		
	Through-Right		0			
	Right	17	0	26		
	Left-Through-Right		0			
	Left-Right		1			
EASTBOUND	Left	19	1	19		
	Left-Through		0			
	Through	917	1	488		
	Through-Right		1			
	Right	58	0	58		
	Left-Through-Right		0			
	Left-Right		0			
WESTBOUND	Left	23	1	23		
	Left-Through		0			
	Through	766	1	387		
	Through-Right		1			
	Right	7	0	7		
	Left-Through-Right		0			
	Left-Right		0			
CRITICAL VOLUMES			<b>North-South:</b>	304		
			<b>East-West:</b>	511		
			<b>SUM:</b>	815		
VOLUME/CAPACITY (V/C) RATIO:				0.543		
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.443		
LEVEL OF SERVICE (LOS):				A		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**                                      **Analyst:**                                      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 0	0
		<i>EB --</i> 0	<i>WB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	143	1	143
	↶↷ Left-Through		0	
	↷ Through	118	0	365
	↷↶ Through-Right		1	
	↷ Right	247	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	37	1	37
	↷↶ Left-Through		0	
	↷ Through	62	0	95
	↷↶ Through-Right		1	
	↷ Right	33	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	67	1	67
	↷↶ Left-Through		0	
	↷ Through	937	1	497
	↷↶ Through-Right		1	
	↷ Right	57	0	57
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	87	1	87
	↷↶ Left-Through		0	
	↷ Through	618	1	347
	↷↶ Through-Right		1	
	↷ Right	76	0	76
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	402
			<i>East-West:</i>	584
			<i>SUM:</i>	986
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.657
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.557</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**16**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	51	1	51
	↶↷ Left-Through		0	
	↷ Through	515	0	547
	↷↶ Through-Right		1	
	↷ Right	32	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	43	1	43
	↷↶ Left-Through		0	
	↷ Through	379	1	379
	↷↶ Through-Right		0	
	↷ Right	68	1	68
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	23	0	0
	↷↶ Left-Through		0	
	↷ Through	1280	1	686
	↷↶ Through-Right		1	
	↷ Right	91	0	91
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	3	0	0
	↷↶ Left-Through		0	
	↷ Through	661	1	363
	↷↶ Through-Right		1	
	↷ Right	65	0	65
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		590
		<b>East-West:</b>		686
		<b>SUM:</b>		1276
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.851
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.751</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Burnside Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	20	0	20
	↶ Left-Through		0	
	↷ Through	83	0	164
	↷ Through-Right		0	
	↷ Right	61	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	53	0	53
	↷ Left-Through		1	
	↷ Through	46	0	99
	↷ Through-Right		0	
	↷ Right	15	1	15
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	86	0	86
	↷ Left-Through		1	
	↷ Through	1271	0	819
	↷ Through-Right		1	
	↷ Right	22	0	819
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	37	0	37
	↶ Left-Through		1	
	↶ Through	691	0	519
	↶ Through-Right		1	
	↶ Right	125	0	519
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		217
		<b>East-West:</b>		856
		<b>SUM:</b>		1073
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.715
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.615</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**18**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date: Analyst: Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↖ Left	25	0	25
	↖ Left-Through		0	
	↗ Through	261	0	339
	↘ Through-Right		0	
	↗ Right	53	0	0
	↘ Left-Through-Right		1	
<b>SOUTHBOUND</b>	↖ Left	16	0	16
	↖ Left-Through		0	
	↗ Through	134	0	199
	↘ Through-Right		0	
	↗ Right	49	0	0
	↘ Left-Through-Right		1	
<b>EASTBOUND</b>	↖ Left	161	0	161
	↖ Left-Through		1	
	↗ Through	1226	0	961
	↘ Through-Right		1	
	↗ Right	51	0	961
	↘ Left-Through-Right		0	
<b>WESTBOUND</b>	↖ Left	27	0	27
	↖ Left-Through		1	
	↗ Through	739	0	465
	↘ Through-Right		1	
	↗ Right	28	0	465
	↘ Left-Through-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		355
		<i>East-West:</i>		988
		<b>SUM:</b>		1343
VOLUME/CAPACITY (V/C) RATIO:				0.895
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.795</b>
LEVEL OF SERVICE (LOS):				<b>C</b>





# Level of Service Worksheet (Circular 212 Method)



I/S #: 19

PROJECT TITLE: AMPAS  
 North-South Street: La Brea Avenue East-West Street: 6th Street  
 Scenario: Future with Project (Year 2017)  
 Count Date: Analyst: Date:

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↶	69	1	69
	↶		0	
	↷	1737	2	596
	↷		1	
	↷	51	0	51
	↶		0	
	↷		0	
SOUTHBOUND	↶	76	1	76
	↶		0	
	↷	1552	2	541
	↷		1	
	↷	71	0	71
	↶		0	
	↷		0	
EASTBOUND	↶	7	0	0
	↶		0	
	↷	1144	1	606
	↷		1	
	↷	68	0	68
	↶		0	
	↷		0	
WESTBOUND	↶	3	0	0
	↶		0	
	↷	631	1	359
	↷		1	
	↷	86	0	86
	↶		0	
	↷		0	
CRITICAL VOLUMES		<i>North-South:</i>		672
		<i>East-West:</i>		606
		<i>SUM:</i>		1278
VOLUME/CAPACITY (V/C) RATIO:				0.852
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.752</b>
LEVEL OF SERVICE (LOS):				<b>C</b>





## Level of Service Worksheet (Circular 212 Method)



I/S #: **22**

PROJECT TITLE: AMPAS  
 North-South Street: Crescent Heights Boulevard East-West Street: Wilshire Boulevard  
 Scenario: Future with Project (Year 2017)  
 Count Date: Analyst: Date:

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	0	0	0
	Left-Through		0	
	Through	692	1	407
	Through-Right		1	
	Right	122	0	122
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	112	0	112
	Left-Through		1	
	Through	612	0	576
	Through-Right		1	
	Right	92	0	576
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	181	1	181
	Left-Through		0	
	Through	1753	2	624
	Through-Right		1	
	Right	120	0	120
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	93	1	93
	Left-Through		0	
	Through	1157	2	420
	Through-Right		1	
	Right	102	0	102
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		North-South:		576
		East-West:		717
		SUM:		1293
VOLUME/CAPACITY (V/C) RATIO:				0.862
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.762</b>
LEVEL OF SERVICE (LOS):				<b>C</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**23**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 3	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	126	1	126
	↶↷ Left-Through		0	
	↷ Through	839	1	460
	↷↶ Through-Right		1	
	↷ Right	81	0	81
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	180	1	180
	↷↶ Left-Through		0	
	↷ Through	1025	2	513
	↷↶ Through-Right		0	
	↷ Right	241	1	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	298	1	298
	↷↶ Left-Through		0	
	↷ Through	1615	2	586
	↷↶ Through-Right		1	
	↷ Right	143	0	143
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	112	1	112
	↶↷ Left-Through		0	
	↶ Through	1014	2	403
	↶↷ Through-Right		1	
	↶ Right	194	0	194
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	640
			<b>East-West:</b>	701
			<b>SUM:</b>	1341
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.975
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.875</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**24**

**PROJECT TITLE: AMPAS**

**North-South Street: Spaulding Avenue**

**East-West Street: Wilshire Boulevard**

**Scenario: Future with Project (Year 2017)**

**Count Date:**

**Analyst:**

**Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↵ Left	74	0	74
	↵↱ Left-Through		0	
	↱ Through	0	0	0
	↱↱ Through-Right		0	
	↱ Right	91	0	165
	↱↱↱ Left-Through-Right		0	
	↱↱↱ Left-Right		1	
SOUTHBOUND	↵ Left	0	0	0
	↵↱ Left-Through		0	
	↱ Through	0	0	0
	↱↱ Through-Right		0	
	↱ Right	0	0	0
	↱↱↱ Left-Through-Right		0	
	↱↱↱ Left-Right		0	
EASTBOUND	↵ Left	0	0	0
	↵↱ Left-Through		0	
	↱ Through	1863	2	638
	↱↱ Through-Right		1	
	↱ Right	51	0	51
	↱↱↱ Left-Through-Right		0	
	↱↱↱ Left-Right		0	
WESTBOUND	↵ Left	40	1	40
	↵↱ Left-Through		0	
	↱ Through	1263	3	421
	↱↱ Through-Right		0	
	↱ Right	0	0	0
	↱↱↱ Left-Through-Right		0	
	↱↱↱ Left-Right		0	
CRITICAL VOLUMES			<i>North-South:</i>	165
			<i>East-West:</i>	678
			<i>SUM:</i>	843
VOLUME/CAPACITY (V/C) RATIO:				0.562
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.462</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #:  
**25**

PROJECT TITLE: AMPAS  
 North-South Street: Curson Avenue      East-West Street: Wilshire Boulevard  
 Scenario: Future with Project (Year 2017)  
 Count Date:      Analyst:      Date:

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	63	0	63
	Left-Through		0	
	Through	194	0	395
	Through-Right		0	
	Right	138	0	0
	Left-Through-Right		1	
	Left-Right		0	
SOUTHBOUND	Left	83	0	83
	Left-Through		0	
	Through	215	0	434
	Through-Right		0	
	Right	136	0	0
	Left-Through-Right		1	
	Left-Right		0	
EASTBOUND	Left	147	1	147
	Left-Through		0	
	Through	1810	2	619
	Through-Right		1	
	Right	48	0	48
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	38	1	38
	Left-Through		0	
	Through	1074	2	360
	Through-Right		1	
	Right	6	0	6
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		497
		<i>East-West:</i>		657
		<i>SUM:</i>		1154
VOLUME/CAPACITY (V/C) RATIO:				0.769
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.669</b>
LEVEL OF SERVICE (LOS):				<b>B</b>

# Level of Service Worksheet (Circular 212 Method)



I/S #: **26**

**PROJECT TITLE: AMPAS**

**North-South Street: Hauser Boulevard**

**East-West Street: Wilshire Boulevard**

**Scenario: Future with Project (Year 2017)**

**Count Date:**

**Analyst:**

**Date:**

			FRIDAY PM PEAK HOUR		
			No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity	NB --	SB --
			2		
			0		
			0		
			2		
			0		
MOVEMENT			Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶	Left	51	1	51
	↶→	Left-Through		0	
	→	Through	426	1	426
	→↷	Through-Right		0	
	↷	Right	144	1	111
	↶↷	Left-Through-Right		0	
	↷↶	Left-Right		0	
<b>SOUTHBOUND</b>	↷	Left	58	1	58
	↷↶	Left-Through		0	
	↷	Through	367	0	412
	↷↷	Through-Right		1	
	↷	Right	45	0	0
	↷↶↷	Left-Through-Right		0	
	↷↶	Left-Right		0	
<b>EASTBOUND</b>	↶	Left	117	1	117
	↶→	Left-Through		0	
	→	Through	1885	2	672
	→↷	Through-Right		1	
	↷	Right	131	0	131
	↶↷	Left-Through-Right		0	
	↷↶	Left-Right		0	
<b>WESTBOUND</b>	↷	Left	66	1	66
	↷↶	Left-Through		0	
	↷	Through	1050	2	374
	↷↷	Through-Right		1	
	↷	Right	73	0	73
	↷↶↷	Left-Through-Right		0	
	↷↶	Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>		484
			<i>East-West:</i>		738
			<b>SUM:</b>		1222
<b>VOLUME/CAPACITY (V/C) RATIO:</b>			0.815		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>			<b>0.715</b>		
<b>LEVEL OF SERVICE (LOS):</b>			<b>C</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**27**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> --	0
		<i>EB</i> -- 0	<i>WB</i> --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	31	0	31
	↶↷ Left-Through		0	
	↷ Through	239	0	298
	↷↶ Through-Right		0	
	↷ Right	28	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	26	0	26
	↷↷ Left-Through		0	
	↷ Through	158	0	268
	↷↶ Through-Right		0	
	↷ Right	84	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	57	1	57
	↷↷ Left-Through		0	
	↷ Through	1825	2	626
	↷↶ Through-Right		1	
	↷ Right	52	0	52
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	37	1	37
	↶↷ Left-Through		0	
	↶ Through	1254	2	432
	↶↶ Through-Right		1	
	↶ Right	42	0	42
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		324
		<i>East-West:</i>		663
		<i>SUM:</i>		987
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.658
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.558</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**28**

**PROJECT TITLE:** AMPAS

**North-South Street:** La Brea Avenue

**East-West Street:** Wilshire Boulevard

**Scenario:** Future with Project (Year 2017)

**Count Date:**

**Analyst:**

**Date:**

		FRIDAY PM PEAK HOUR		
		NB --	SB --	WB --
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		0	0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	142	1	142
	Left-Through		0	
	Through	1423	2	518
	Through-Right		1	
	Right	131	0	131
	Left-Through-Right		0	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	100	1	100
	Left-Through		0	
	Through	1349	2	503
	Through-Right		1	
	Right	160	0	160
	Left-Through-Right		0	
	Left-Right		0	
<b>EASTBOUND</b>	Left	252	1	252
	Left-Through		0	
	Through	1356	2	508
	Through-Right		1	
	Right	167	0	167
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	220	1	220
	Left-Through		0	
	Through	1043	2	399
	Through-Right		1	
	Right	155	0	155
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>				
		<b>North-South:</b>		645
		<b>East-West:</b>		728
		<b>SUM:</b>		1373
VOLUME/CAPACITY (V/C) RATIO:				0.999
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.899</b>
LEVEL OF SERVICE (LOS):				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**29**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: 8th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	876	1	474
	↷↶ Through-Right		1	
	↷ Right	71	0	71
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	327	1	327
	↷↶ Left-Through		0	
	↷ Through	1033	2	517
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	1	0	1
	↷↶ Left-Through		0	
	↷ Through	138	0	146
	↷↶ Through-Right		0	
	↷ Right	7	0	0
	↷↷ Left-Through-Right		1	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	102	1	69
	↷↶ Left-Through		0	
	↷ Through	1	0	0
	↷↶ Through-Right		0	
	↷ Right	104	1	0
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		1	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	801
			<b>East-West:</b>	215
			<b>SUM:</b>	1016
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.713
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.613</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE: AMPAS**  
**North-South Street: McCarthy Vista/Carillo | East-West Street: San Vicente Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date: Analyst: Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	76	0	76
	↶↷ Left-Through		1	
	↷ Through	599	0	467
	↷↶ Through-Right		1	
	↷ Right	31	0	467
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	93	0	93
	↷↶ Left-Through		1	
	↷ Through	699	1	536
	↷↶ Through-Right		0	
	↷ Right	56	0	56
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	134	1	134
	↷↶ Left-Through		0	
	↷ Through	1012	2	376
	↷↶ Through-Right		1	
	↷ Right	116	0	116
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	28	1	28
	↷↶ Left-Through		0	
	↷ Through	847	2	325
	↷↶ Through-Right		1	
	↷ Right	127	0	127
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		612
		<i>East-West:</i>		459
		<i>SUM:</i>		1071
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.714
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.614</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**31**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Carillo Drive/Crescent I **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 2	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	3	0	0
	↶ Left-Through		0	
	↷ Through	465	1	465
	↷ Through-Right		0	
	↷ Right	54	1	21
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	2	0	0
	↷ Left-Through		0	
	↷ Through	635	0	429
	↷ Through-Right		1	
	↷ Right	222	1	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	116	1	116
	↶ Left-Through		0	
	↷ Through	1987	2	669
	↷ Through-Right		1	
	↷ Right	20	0	20
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	66	1	66
	↶ Left-Through		0	
	↷ Through	1107	2	374
	↷ Through-Right		1	
	↷ Right	16	0	16
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		465
		<b>East-West:</b>		735
		<b>SUM:</b>		1200
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.800
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.700</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	15	0	0
	↶↷ Left-Through		0	
	↷ Through	751	2	376
	↷↶ Through-Right		0	
	↷ Right	4	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	95	1	95
	↷↶ Left-Through		0	
	↷ Through	1035	1	537
	↷↶ Through-Right		1	
	↷ Right	39	0	39
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	29	1	29
	↷↶ Left-Through		0	
	↷ Through	1034	4	259
	↷↶ Through-Right		0	
	↷ Right	87	1	87
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↶ Through	973	2	391
	↶↶ Through-Right		1	
	↶ Right	199	0	199
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		537
		<i>East-West:</i>		420
		<i>SUM:</i>		957
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.672		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.572</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**33**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<b>NB -- 0</b>	<b>SB -- 0</b>	0
		<b>EB -- 0</b>	<b>WB -- 0</b>	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	32	1	32
	↵↔ Left-Through		0	
	→↔ Through	642	1	347
	↗↔ Through-Right		1	
	↘↔ Right	52	0	52
	↘↔↔ Left-Through-Right		0	
	↘↔↔ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	0	0	0
	↵↔ Left-Through		0	
	→↔ Through	903	1	567
	↗↔ Through-Right		1	
	↘↔ Right	231	0	231
	↘↔↔ Left-Through-Right		0	
	↘↔↔ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	111	1	111
	↵↔ Left-Through		0	
	→↔ Through	1905	2	641
	↗↔ Through-Right		1	
	↘↔ Right	19	0	19
	↘↔↔ Left-Through-Right		0	
	↘↔↔ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	67	1	67
	↵↔ Left-Through		0	
	→↔ Through	1064	3	355
	↗↔ Through-Right		0	
	↘↔ Right	17	0	0
	↘↔↔ Left-Through-Right		0	
	↘↔↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		599
		<b>East-West:</b>		708
		<b>SUM:</b>		1307
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.917
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.817</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: 34

PROJECT TITLE: AMPAS  
 North-South Street: San Vicente Boulevard East-West Street: Olympic Boulevard  
 Scenario: Future with Project (Year 2017)  
 Count Date: Analyst: Date:

MOVEMENT		Volume	No. of Lanes	Lane Volume	FRIDAY PM PEAK HOUR	
					FRIDAY PM PEAK HOUR	FRIDAY PM PEAK HOUR
No. of Phases					3	
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?					0	
Right Turns: FREE-1, NRTOR-2 or OLA-3?					0	
ATSAC-1 or ATSAC+ATCS-2?					2	
Override Capacity					0	
NORTHBOUND						
	↵ Left	137	1	137		
	↵↶ Left-Through		0			
	↶ Through	911	2	305		
	↶↷ Through-Right		1			
	↷ Right	5	0	5		
	↶↷↶ Left-Through-Right		0			
	↶↷↶↶ Left-Right		0			
SOUTHBOUND						
	↵ Left	4	0	0		
	↵↶ Left-Through		0			
	↶ Through	1145	4	286		
	↶↷ Through-Right		0			
	↷ Right	0	0	0		
	↶↷↶ Left-Through-Right		0			
	↶↷↶↶ Left-Right		0			
EASTBOUND						
	↵ Left	0	0	0		
	↵↶ Left-Through		0			
	↶ Through	1674	2	659		
	↶↷ Through-Right		1			
	↷ Right	303	0	303		
	↶↷↶ Left-Through-Right		0			
	↶↷↶↶ Left-Right		0			
WESTBOUND						
	↵ Left	0	0	0		
	↵↶ Left-Through		0			
	↶ Through	1072	2	444		
	↶↷ Through-Right		1			
	↷ Right	259	0	259		
	↶↷↶ Left-Through-Right		0			
	↶↷↶↶ Left-Right		0			
<b>CRITICAL VOLUMES</b>					<b>North-South:</b>	423
					<b>East-West:</b>	659
					<b>SUM:</b>	1082
<b>VOLUME/CAPACITY (V/C) RATIO:</b>						0.759
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>						<b>0.659</b>
<b>LEVEL OF SERVICE (LOS):</b>						<b>B</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: **35**

PROJECT TITLE: **AMPAS**  
 North-South Street: **Curson Avenue** East-West Street: **Olympic Boulevard**  
 Scenario: **Future with Project (Year 2017)**  
 Count Date: \_\_\_\_\_ Analyst: \_\_\_\_\_ Date: \_\_\_\_\_

		FRIDAY PM PEAK HOUR		
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	6	0	6
	Left-Through		0	
	Through	114	0	194
	Through-Right		0	
	Right	74	0	0
	Left-Through-Right		1	
	Left-Right		0	
SOUTHBOUND	Left	121	0	121
	Left-Through		0	
	Through	265	0	464
	Through-Right		0	
	Right	78	0	0
	Left-Through-Right		1	
	Left-Right		0	
EASTBOUND	Left	49	1	49
	Left-Through		0	
	Through	1831	2	616
	Through-Right		1	
	Right	18	0	18
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	52	1	52
	Left-Through		0	
	Through	1212	2	414
	Through-Right		1	
	Right	29	0	29
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		North-South:		470
		East-West:		668
		SUM:		1138
VOLUME/CAPACITY (V/C) RATIO:				0.759
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.659</b>
LEVEL OF SERVICE (LOS):				<b>B</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**36**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: Olympic Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	26	1	26
	↵↔ Left-Through		0	
	↔ Through	500	0	575
	↔↗ Through-Right		1	
	↗ Right	75	0	0
	↗↔ Left-Through-Right		0	
	↗↘ Left-Right		0	
<b>SOUTHBOUND</b>	↘ Left	87	1	87
	↘↔ Left-Through		0	
	↔ Through	535	0	584
	↔↗ Through-Right		1	
	↗ Right	49	0	0
	↗↔ Left-Through-Right		0	
	↗↘ Left-Right		0	
<b>EASTBOUND</b>	↘ Left	93	1	93
	↘↔ Left-Through		0	
	↔ Through	1948	2	664
	↔↗ Through-Right		1	
	↗ Right	45	0	45
	↗↔ Left-Through-Right		0	
	↗↘ Left-Right		0	
<b>WESTBOUND</b>	↘ Left	69	1	69
	↘↔ Left-Through		0	
	↔ Through	1168	2	408
	↔↗ Through-Right		1	
	↗ Right	57	0	57
	↗↔ Left-Through-Right		0	
	↗↘ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		662
		<b>East-West:</b>		733
		<b>SUM:</b>		1395
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.930
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.830</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**37**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**                                      **Analyst:**                                      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	22	0	22
	↶↷ Left-Through		0	
	↷ Through	165	0	261
	↷↶ Through-Right		0	
	↷ Right	74	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	57	0	57
	↷↷ Left-Through		0	
	↷ Through	178	0	259
	↷↶ Through-Right		0	
	↷ Right	24	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	30	1	30
	↷↷ Left-Through		0	
	↷ Through	1868	2	631
	↷↶ Through-Right		1	
	↷ Right	24	0	24
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	62	1	62
	↷↷ Left-Through		0	
	↷ Through	1180	2	405
	↷↶ Through-Right		1	
	↷ Right	36	0	36
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		318
		<i>East-West:</i>		693
		<i>SUM:</i>		1011
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.674		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.574</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**38**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Pico Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	156	1	156
	↶↷ Left-Through		0	
	↷ Through	650	2	325
	↷↶ Through-Right		0	
	↷ Right	158	1	122
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	71	1	71
	↷↶ Left-Through		0	
	↷ Through	769	2	385
	↷↶ Through-Right		0	
	↷ Right	41	1	12
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	59	1	59
	↷↶ Left-Through		0	
	↷ Through	1347	1	718
	↷↶ Through-Right		1	
	↷ Right	89	0	89
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	73	1	73
	↶↷ Left-Through		0	
	↶ Through	727	1	382
	↶↷ Through-Right		1	
	↶ Right	36	0	36
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	541
			<b>East-West:</b>	791
			<b>SUM:</b>	1332
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.935
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.835</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>

## FUTURE WITH PROJECT CONDITIONS - YEAR 2017

**AMPAS Museum**

## Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

**FRIDAY PM PEAK HOUR**

Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	149	0.000	N/S 1: 0.417 *
	Through	3.00	4,800	1,107	0.275	N/S 2: 0.372
	Left	1.00	1,600	194	0.128 *	E/W 1: 0.519 *
Westbound	Right	0.00	0	124	0.000	E/W 2: 0.441
	Through	3.00	4,800	1,359	0.325	V/C Ratio: 0.936
	Left	1.00	1,600	263	0.173 *	Loss Time: 0.100
Northbound	Right	0.00	0	222	0.000	ITS: 0.000
	Through	3.00	4,800	1,097	0.289 *	ICU: 1.036
	Left	1.00	1,600	147	0.097	LOS: F
Eastbound	Right	0.00	0	130	0.000	
	Through	3.00	4,800	1,450	0.346 *	
	Left	1.00	1,600	177	0.116	

\* Critical Movement

# HCM Signalized Intersection Capacity Analysis

## 43: Santa Monica Blvd & Fairfax Ave

5/11/2015



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	253	1140	100	205	812	126	101	929	243	100	782	96
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Frt	1.00	0.99		1.00	0.98		1.00	1.00	0.85	1.00	0.98	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2981		1509	2957		1509	3018	1350	1509	2968	
Flt Permitted	0.18	1.00		0.09	1.00		0.17	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	285	2981		138	2957		263	3018	1350	260	2968	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	266	1200	105	216	855	133	106	978	256	105	823	101
RTOR Reduction (vph)	0	6	0	0	12	0	0	0	93	0	10	0
Lane Group Flow (vph)	266	1299	0	216	976	0	106	978	163	105	914	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	54.0	47.0		54.0	47.0		32.2	25.2	25.2	31.1	24.9	
Effective Green, g (s)	52.0	47.0		52.0	47.0		30.2	25.3	25.3	30.1	25.0	
Actuated g/C Ratio	0.52	0.47		0.52	0.47		0.30	0.25	0.25	0.30	0.25	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	222	1401		154	1390		154	764	342	149	742	
v/s Ratio Prot	0.07	0.44		c0.08	0.33		c0.04	c0.32		0.04	0.31	
v/s Ratio Perm	0.55			c0.64			0.17		0.12	0.17		
v/c Ratio	1.20	0.93		1.40	0.70		0.69	1.28	0.48	0.70	1.23	
Uniform Delay, d1	21.6	24.9		22.4	21.0		28.4	37.4	31.7	28.5	37.5	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.71	0.59	
Incremental Delay, d2	124.3	12.0		215.4	3.0		22.3	136.0	4.7	10.6	115.0	
Delay (s)	146.0	36.8		237.8	23.9		50.7	173.4	36.4	30.7	137.1	
Level of Service	F	D		F	C		D	F	D	C	F	
Approach Delay (s)		55.3			62.3			137.5			126.3	
Approach LOS		E			E			F			F	

### Intersection Summary

HCM Average Control Delay	92.6	HCM Level of Service	F
HCM Volume to Capacity ratio	1.24		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	104.0%	ICU Level of Service	G
Analysis Period (min)	15		
c Critical Lane Group			



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**1**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Sunset Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				4			4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB -- 0	0	NB -- 3	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	147	1	147	152	1	152
	Left-Through		0			0	
	Through	573	2	287	586	2	293
	Through-Right		0			0	
	Right	255	1	24	245	1	0
	Left-Through-Right		0			0	
<b>SOUTHBOUND</b>	Left	75	1	75	76	1	76
	Left-Through		0			0	
	Through	604	2	302	669	2	335
	Through-Right		0			0	
	Right	209	1	125	191	1	106
	Left-Through-Right		0			0	
<b>EASTBOUND</b>	Left	168	1	168	170	1	170
	Left-Through		0			0	
	Through	1070	2	535	1091	2	546
	Through-Right		0			0	
	Right	176	1	103	169	1	93
	Left-Through-Right		0			0	
<b>WESTBOUND</b>	Left	231	1	231	249	1	249
	Left-Through		0			0	
	Through	1102	2	551	1012	2	506
	Through-Right		0			0	
	Right	69	1	32	46	1	8
	Left-Through-Right		0			0	
				0			0
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 449			<i>North-South:</i> 487
				<i>East-West:</i> 766			<i>East-West:</i> 795
				<i>SUM:</i> 1215			<i>SUM:</i> 1282
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.884			0.932
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.784</b>			<b>0.832</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>			<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**3**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: Melrose Avenue**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				3			3
				0			0
		<i>NB</i> --	<i>SB</i> --	0	<i>NB</i> --	<i>SB</i> --	0
		<i>EB</i> --	<i>WB</i> --	0	<i>EB</i> --	<i>WB</i> --	0
				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	107	1	107	79	1	79
	↵↔ Left-Through		0			0	
	↔ Through	807	2	337	788	2	316
	↔↗ Through-Right		1			1	
	↗ Right	205	0	205	159	0	159
	↗↔ Left-Through-Right		0			0	
↗↔ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	109	1	109	110	1	110
	↵↔ Left-Through		0			0	
	↔ Through	938	2	369	1000	2	386
	↔↗ Through-Right		1			1	
	↗ Right	169	0	169	159	0	159
	↗↔ Left-Through-Right		0			0	
↗↔ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	133	1	133	160	1	160
	↵↔ Left-Through		0			0	
	↔ Through	775	1	469	824	1	499
	↔↗ Through-Right		1			1	
	↗ Right	163	0	163	173	0	173
	↗↔ Left-Through-Right		0			0	
↗↔ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	220	1	220	253	1	253
	↵↔ Left-Through		0			0	
	↔ Through	756	1	435	769	1	447
	↔↗ Through-Right		1			1	
	↗ Right	114	0	114	124	0	124
	↗↔ Left-Through-Right		0			0	
↗↔ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 476 <i>East-West:</i> 689 <i>SUM:</i> 1165			<i>North-South:</i> 465 <i>East-West:</i> 752 <i>SUM:</i> 1217
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.818			0.854
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.718</b>			<b>0.754</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>			<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**4**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: Beverly Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		4			4		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB -- 0	0	NB -- 3	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 3	WB -- 3	3	EB -- 3	WB -- 3	3
Override Capacity		2			2		
		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	113	1	113	128	1	128
	↵↔ Left-Through		0			0	
	↔ Through	832	2	416	787	2	394
	↔↗ Through-Right		0			0	
	↗ Right	262	1	42	216	1	5
	↗↔ Left-Through-Right		0			0	
↗↔ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	171	1	171	164	1	164
	↵↔ Left-Through		0			0	
	↔ Through	1068	1	609	1111	1	649
	↔↗ Through-Right		1			1	
	↗ Right	149	0	149	187	0	187
	↗↔ Left-Through-Right		0			0	
↗↔ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	102	1	102	122	1	122
	↵↔ Left-Through		0			0	
	↔ Through	1013	2	507	994	2	497
	↔↗ Through-Right		0			0	
	↗ Right	153	1	40	165	1	37
	↗↔ Left-Through-Right		0			0	
↗↔ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	220	1	220	211	1	211
	↵↔ Left-Through		0			0	
	↔ Through	1139	2	570	993	2	497
	↔↗ Through-Right		0			0	
	↗ Right	122	1	0	171	1	7
	↗↔ Left-Through-Right		0			0	
↗↔ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 722			<i>North-South:</i> 777		
		<i>East-West:</i> 727			<i>East-West:</i> 708		
		<b>SUM:</b> 1449			<b>SUM:</b> 1485		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		1.054			1.080		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.954</b>			<b>0.980</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>E</b>			<b>E</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**5**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boulc **East-West Street:** 3rd Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0			2 0 0 0 2 0
<b>MOVEMENT</b>							
<b>NORTHBOUND</b>	↶ Left	44	0	44	58	0	58
	↶↷ Left-Through		1			1	
	↷ Through	516	0	560	554	0	612
	↷↶ Through-Right		0			0	
	↷ Right	27	1	27	44	1	44
	↷↷ Left-Through-Right		0			0	
	↷↷ Left-Right		0			0	
<b>SOUTHBOUND</b>	↷ Left	51	0	51	73	0	73
	↷↷ Left-Through		1			1	
	↷ Through	543	0	594	497	0	570
	↷↶ Through-Right		0			0	
	↷ Right	87	1	87	117	1	117
	↷↷ Left-Through-Right		0			0	
	↷↷ Left-Right		0			0	
<b>EASTBOUND</b>	↶ Left	68	0	68	67	0	67
	↶↷ Left-Through		1			1	
	↶ Through	922	0	629	931	0	648
	↶↶ Through-Right		1			1	
	↶ Right	63	0	629	97	0	648
	↶↷ Left-Through-Right		0			0	
	↶↷ Left-Right		0			0	
<b>WESTBOUND</b>	↷ Left	60	0	60	57	0	57
	↷↷ Left-Through		1			1	
	↷ Through	827	0	560	842	0	620
	↷↶ Through-Right		1			1	
	↷ Right	53	0	560	56	0	620
	↷↷ Left-Through-Right		0			0	
	↷↷ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 638 <i>East-West:</i> 689 <i>SUM:</i> 1327			<i>North-South:</i> 685 <i>East-West:</i> 705 <i>SUM:</i> 1390
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.885			0.927
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.785</b>			<b>0.827</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>			<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**6**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 3rd Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		4			4		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 3	3	EB -- 0	WB -- 3	3
Override Capacity		2			2		
		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	95	1	95	103	1	103
	↵↔ Left-Through		0			0	
	↔ Through	857	2	429	808	2	404
	↔↘ Through-Right		0			0	
	↘ Right	97	1	0	146	1	41
	↘↔ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>SOUTHBOUND</b>	↵ Left	195	1	195	215	1	215
	↵↔ Left-Through		0			0	
	↔ Through	987	1	583	976	1	602
	↔↘ Through-Right		1			1	
	↘ Right	179	0	179	228	0	228
	↘↔ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>EASTBOUND</b>	↵ Left	194	1	194	233	1	233
	↵↔ Left-Through		0			0	
	↔ Through	890	1	495	785	1	452
	↔↘ Through-Right		1			1	
	↘ Right	99	0	99	119	0	119
	↘↔ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>WESTBOUND</b>	↵ Left	199	1	199	210	1	210
	↵↔ Left-Through		0			0	
	↔ Through	707	2	354	731	2	366
	↔↘ Through-Right		0			0	
	↘ Right	177	1	0	305	1	90
	↘↔ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 678			<i>North-South:</i> 705		
		<i>East-West:</i> 694			<i>East-West:</i> 662		
		<b>SUM:</b> 1372			<b>SUM:</b> 1367		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.998			0.994		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.898</b>			<b>0.894</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>D</b>			<b>D</b>		

# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**7**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Martel Avenue/Hauser Blvd **East-West Street:** 3rd Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> -- 0	0	<i>NB</i> -- 0	<i>SB</i> -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB</i> -- 0	<i>WB</i> -- 0	0	<i>EB</i> -- 0	<i>WB</i> -- 0	0
Override Capacity		2			2		
		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	186	1	186	220	1	220
	Left-Through		0			0	
	Through	255	1	255	217	1	217
	Through-Right		0			0	
	Right	105	1	65	123	1	74
	Left-Through-Right		0			0	
	Left-Right		0			0	
SOUTHBOUND	Left	20	0	20	14	0	14
	Left-Through		0			0	
	Through	256	0	320	176	0	230
	Through-Right		0			0	
	Right	44	0	0	40	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
EASTBOUND	Left	33	1	33	37	1	37
	Left-Through		0			0	
	Through	1041	1	617	1029	1	617
	Through-Right		1			1	
	Right	193	0	193	205	0	205
	Left-Through-Right		0			0	
	Left-Right		0			0	
WESTBOUND	Left	80	1	80	98	1	98
	Left-Through		0			0	
	Through	1033	1	531	1304	1	666
	Through-Right		1			1	
	Right	29	0	29	28	0	28
	Left-Through-Right		0			0	
	Left-Right		0			0	
CRITICAL VOLUMES		North-South: 506			North-South: 450		
		East-West: 697			East-West: 715		
		SUM: 1203			SUM: 1165		
VOLUME/CAPACITY (V/C) RATIO:		0.802			0.777		
V/C LESS ATSAC/ATCS ADJUSTMENT:		0.702			0.677		
LEVEL OF SERVICE (LOS):		C			B		

**I/S #:**  
**8**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue/Alta V    **East-West Street:** 3rd Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**                                      **Analyst:**                                      **Date:**

MOVEMENT		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> --	<i>SB</i> --	0	<i>NB</i> --	<i>SB</i> --	0
		<i>EB</i> --	<i>WB</i> --	0	<i>EB</i> --	<i>WB</i> --	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	20	0	20	109	0	109
	Left-Through		0			0	
	Through	87	0	129	84	0	241
	Through-Right		0			0	
	Right	22	0	0	48	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
SOUTHBOUND	Left	60	0	60	11	0	11
	Left-Through		0			0	
	Through	115	0	216	47	0	69
	Through-Right		0			0	
	Right	41	0	0	11	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
EASTBOUND	Left	47	1	47	8	1	8
	Left-Through		0			0	
	Through	985	1	495	1067	1	556
	Through-Right		1			1	
	Right	5	0	5	45	0	45
	Left-Through-Right		0			0	
	Left-Right		0			0	
WESTBOUND	Left	7	1	7	47	1	47
	Left-Through		0			0	
	Through	1135	1	581	1252	1	629
	Through-Right		1			1	
	Right	26	0	26	5	0	5
	Left-Through-Right		0			0	
	Left-Right		0			0	
CRITICAL VOLUMES				<i>North-South:</i> 236 <i>East-West:</i> 628 <i>SUM:</i> 864			<i>North-South:</i> 252 <i>East-West:</i> 637 <i>SUM:</i> 889
VOLUME/CAPACITY (V/C) RATIO:				0.576			0.593
V/C LESS ATSAC/ATCS ADJUSTMENT:				<span style="color: red;">0.476</span>			<span style="color: red;">0.493</span>
LEVEL OF SERVICE (LOS):				<span style="color: red;">A</span>			<span style="color: red;">A</span>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**9**

**PROJECT TITLE: AMPAS**  
**North-South Street: La Brea Avenue**      **East-West Street: 3rd Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

MOVEMENT		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>No. of Phases</b> Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				4			4
				0			0
		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
				2			2
				0			0
NORTHBOUND	↙ Left	144	1	144	181	1	181
	↙↔ Left-Through		0			0	
	↔ Through	1320	1	705	1103	1	586
	↔↘ Through-Right		1			1	
	↘ Right	90	0	90	68	0	68
	↙↘↔ Left-Through-Right		0			0	
	↙↘ Left-Right		0			0	
SOUTHBOUND	↘ Left	89	1	89	92	1	92
	↘↔ Left-Through		0			0	
	↔ Through	1237	1	683	1199	1	684
	↔↙ Through-Right		1			1	
	↙ Right	129	0	129	168	0	168
	↘↙↔ Left-Through-Right		0			0	
	↘↙ Left-Right		0			0	
EASTBOUND	↙ Left	123	1	123	114	1	114
	↙↔ Left-Through		0			0	
	↔ Through	885	2	443	756	2	378
	↔↘ Through-Right		0			0	
	↘ Right	162	1	90	198	1	108
	↙↘↔ Left-Through-Right		0			0	
	↙↘ Left-Right		0			0	
WESTBOUND	↘ Left	114	1	114	82	1	82
	↘↔ Left-Through		0			0	
	↔ Through	820	1	465	968	1	527
	↔↙ Through-Right		1			1	
	↙ Right	110	0	110	86	0	86
	↘↙↔ Left-Through-Right		0			0	
	↘↙ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 827 <i>East-West:</i> 588 <i>SUM:</i> 1415			<i>North-South:</i> 865 <i>East-West:</i> 641 <i>SUM:</i> 1506
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.029			1.095
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.929</b>			<b>0.995</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>E</b>			<b>E</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**10**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Colgate Avenue  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i>	0	<i>NB --</i> 0	<i>SB --</i>	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0	<i>WB --</i>	0	<i>EB --</i> 0	<i>WB --</i>	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	24	1	24	28	1	28
	↶↷ Left-Through		0			0	
	↷ Through	1095	1	612	1182	1	596
	↷↶ Through-Right		1			1	
	↷↶ Right	129	0	129	9	0	9
	↷↶↷ Left-Through-Right		0			0	
	↷↶↷ Left-Right		0			0	
<b>SOUTHBOUND</b>	↷ Left	22	1	22	16	1	16
	↷↶ Left-Through		0			0	
	↷ Through	1231	1	631	1161	1	632
	↷↶ Through-Right		1			1	
	↷↶ Right	30	0	30	102	0	102
	↷↶↷ Left-Through-Right		0			0	
	↷↶↷ Left-Right		0			0	
<b>EASTBOUND</b>	↶ Left	8	0	8	99	0	99
	↶↷ Left-Through		0			0	
	↶ Through	40	0	73	25	0	145
	↶↷ Through-Right		0			0	
	↶↷ Right	25	0	0	21	0	0
	↶↷↶ Left-Through-Right		1			1	
	↶↷↶ Left-Right		0			0	
<b>WESTBOUND</b>	↷ Left	173	0	173	7	0	7
	↷↶ Left-Through		0			0	
	↷ Through	51	0	247	18	0	37
	↷↶ Through-Right		0			0	
	↷↶ Right	23	0	0	12	0	0
	↷↶↷ Left-Through-Right		1			1	
	↷↶↷ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 655 <i>East-West:</i> 255 <i>SUM:</i> 910			<i>North-South:</i> 660 <i>East-West:</i> 152 <i>SUM:</i> 812
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.607			0.541
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.507</b>			<b>0.441</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #: **12**

PROJECT TITLE: **AMPAS**  
 North-South Street: **San Vicente Boulevard** East-West Street: **6th Street**  
 Scenario: **Future with Project with Mitigation (Year 2017)**  
 Count Date: \_\_\_\_\_ Analyst: \_\_\_\_\_ Date: \_\_\_\_\_

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases				3			3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 3	3	EB -- 0	WB -- 3	3
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0	0	0	0
	↶↷ Left-Through		0			0	
	↷ Through	920	2	319	735	2	254
	↷↶ Through-Right		1			1	
	↷↷ Right	36	0	36	26	0	26
	↷↷↶ Left-Through-Right		0			0	
↷↷↷ Left-Right		0			0		
<b>SOUTHBOUND</b>	↷ Left	208	1	208	156	1	156
	↷↶ Left-Through		0			0	
	↷↷ Through	925	3	308	624	3	208
	↷↷↶ Through-Right		0			0	
	↷↷↷ Right	0	0	0	0	0	0
	↷↷↷↶ Left-Through-Right		0			0	
↷↷↷↷ Left-Right		0			0		
<b>EASTBOUND</b>	↶ Left	0	0	0	0	0	0
	↶↷ Left-Through		0			0	
	↶↷↷ Through	0	0	0	0	0	0
	↶↷↷↶ Through-Right		0			0	
	↶↷↷↷ Right	0	0	0	0	0	0
	↶↷↷↷↶ Left-Through-Right		0			0	
↶↷↷↷↷ Left-Right		0			0		
<b>WESTBOUND</b>	↷ Left	106	0	106	93	0	93
	↷↶ Left-Through		1			1	
	↷↷ Through	0	0	106	0	0	93
	↷↷↶ Through-Right		0			0	
	↷↷↷ Right	198	1	0	152	1	0
	↷↷↷↶ Left-Through-Right		0			0	
↷↷↷↷ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 527			<i>North-South:</i> 410
				<i>East-West:</i> 106			<i>East-West:</i> 93
				<i>SUM:</i> 633			<i>SUM:</i> 503
VOLUME/CAPACITY (V/C) RATIO:				0.444			0.353
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.344</b>			<b>0.253</b>
LEVEL OF SERVICE (LOS):				<b>A</b>			<b>A</b>







## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		3			3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB -- 0	0	NB -- 2	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	23	1	23	14	1	14
	↵↔ Left-Through		0			0	
	↔ Through	992	2	496	1073	2	537
	↔↘ Through-Right		0			0	
	↘ Right	156	1	156	183	1	183
	↵↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>SOUTHBOUND</b>	↵ Left	186	1	186	147	1	147
	↵↔ Left-Through		0			0	
	↔ Through	1234	1	632	1117	1	584
	↔↘ Through-Right		1			1	
	↘ Right	30	0	30	50	0	50
	↵↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>EASTBOUND</b>	↵ Left	45	1	45	22	1	22
	↵↔ Left-Through		0			0	
	↔ Through	358	0	385	261	0	281
	↔↘ Through-Right		1			1	
	↘ Right	27	0	0	20	0	0
	↵↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>WESTBOUND</b>	↵ Left	161	2	89	208	2	114
	↵↔ Left-Through		0			0	
	↔ Through	329	1	329	270	1	270
	↔↘ Through-Right		0			0	
	↘ Right	186	1	93	190	1	117
	↵↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 682			<i>North-South:</i> 684		
		<i>East-West:</i> 474			<i>East-West:</i> 395		
		<i>SUM:</i> 1156			<i>SUM:</i> 1079		
VOLUME/CAPACITY (V/C) RATIO:		0.811			0.757		
V/C LESS ATSAC/ATCS ADJUSTMENT:		<b>0.711</b>			<b>0.657</b>		
LEVEL OF SERVICE (LOS):		<b>C</b>			<b>B</b>		

# Level of Service Worksheet (Circular 212 Method)



I/S #: 14

PROJECT TITLE: AMPAS  
 North-South Street: Odgen Drive/Project Dv East-West Street: 6th Street  
 Scenario: Future with Project with Mitigation (Year 2017)  
 Count Date: Analyst: Date:

No. of Phases		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2			2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	98	0	98	88	0	88
	Left-Through		0			0	
	Through	0	0	0	0	0	0
	Through-Right		0			0	
	Right	58	0	156	71	0	159
	Left-Through-Right		0			0	
	Left-Right		1			1	
SOUTHBOUND	Left	4	0	4	11	0	11
	Left-Through		0			0	
	Through	0	0	0	0	0	0
	Through-Right		0			0	
	Right	19	0	23	28	0	39
	Left-Through-Right		0			0	
	Left-Right		1			1	
EASTBOUND	Left	13	1	13	11	1	11
	Left-Through		0			0	
	Through	575	1	348	496	1	325
	Through-Right		1			1	
	Right	121	0	121	154	0	154
	Left-Through-Right		0			0	
	Left-Right		0			0	
WESTBOUND	Left	76	1	76	86	1	86
	Left-Through		0			0	
	Through	580	1	294	560	1	284
	Through-Right		1			1	
	Right	8	0	8	7	0	7
	Left-Through-Right		0			0	
	Left-Right		0			0	
CRITICAL VOLUMES		North-South:		160	North-South:		170
		East-West:		424	East-West:		411
		SUM:		584	SUM:		581
VOLUME/CAPACITY (V/C) RATIO:				0.389			0.387
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.289			0.287
LEVEL OF SERVICE (LOS):				A			A



## Level of Service Worksheet (Circular 212 Method)



I/S #: **15**

PROJECT TITLE: AMPAS  
 North-South Street: Curson Avenue      East-West Street: 6th Street  
 Scenario: Future with Project with Mitigation (Year 2017)  
 Count Date:      Analyst:      Date:

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	89	1	89	74	1	74
	Left-Through		0			0	
	Through	48	0	167	75	0	166
	Through-Right		1			1	
	Right	119	0	0	91	0	0
	Left-Through-Right		0			0	
	Left-Right		0			0	
SOUTHBOUND	Left	54	1	54	49	1	49
	Left-Through		0			0	
	Through	45	0	93	57	0	95
	Through-Right		1			1	
	Right	48	0	0	38	0	0
	Left-Through-Right		0			0	
	Left-Right		0			0	
EASTBOUND	Left	26	1	26	47	1	47
	Left-Through		0			0	
	Through	512	1	297	455	1	259
	Through-Right		1			1	
	Right	82	0	82	63	0	63
	Left-Through-Right		0			0	
	Left-Right		0			0	
WESTBOUND	Left	82	1	82	98	1	98
	Left-Through		0			0	
	Through	531	1	296	555	1	316
	Through-Right		1			1	
	Right	61	0	61	76	0	76
	Left-Through-Right		0			0	
	Left-Right		0			0	
CRITICAL VOLUMES				North-South: 221 East-West: 379 SUM: 600			North-South: 215 East-West: 363 SUM: 578
VOLUME/CAPACITY (V/C) RATIO:				0.400			0.385
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.300			0.285
LEVEL OF SERVICE (LOS):				A			A



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**16**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Hauser Boulevard      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> -- 0		<i>NB</i> -- 0	<i>SB</i> -- 0	
ATSAC-1 or ATSAC+ATCS-2?		<i>EB</i> -- 0	<i>WB</i> -- 0		<i>EB</i> -- 0	<i>WB</i> -- 0	
Override Capacity		2			2		
		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	62	1	62	99	1	99
	↙ Left-Through		0			0	
	→ Through	323	0	362	541	0	597
	↘ Through-Right		1			1	
	→ Right	39	0	0	56	0	0
	↘ Left-Through-Right		0			0	
	↙ Left-Right		0			0	
<b>SOUTHBOUND</b>	↙ Left	30	1	30	42	1	42
	↙ Left-Through		0			0	
	→ Through	378	1	378	366	1	366
	↘ Through-Right		0			0	
	→ Right	122	1	122	88	1	88
	↘ Left-Through-Right		0			0	
	↙ Left-Right		0			0	
<b>EASTBOUND</b>	↙ Left	87	0	87	67	0	67
	↙ Left-Through		1			1	
	→ Through	589	0	415	543	0	433
	↘ Through-Right		1			1	
	→ Right	67	0	415	55	0	433
	↘ Left-Through-Right		0			0	
	↙ Left-Right		0			0	
<b>WESTBOUND</b>	↙ Left	32	0	32	22	0	22
	↙ Left-Through		1			1	
	→ Through	516	0	341	539	0	327
	↘ Through-Right		1			1	
	→ Right	38	0	341	71	0	327
	↘ Left-Through-Right		0			0	
	↙ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		440	<i>North-South:</i>		639
		<i>East-West:</i>		447	<i>East-West:</i>		455
		<i>SUM:</i>		887	<i>SUM:</i>		1094
VOLUME/CAPACITY (V/C) RATIO:		0.591			0.729		
V/C LESS ATSAC/ATCS ADJUSTMENT:		0.491			0.629		
LEVEL OF SERVICE (LOS):		A			B		

# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Burnside Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	↵ Left	20	0	20	17	0	17
	↵↔ Left-Through		0			0	
	↔ Through	38	0	91	56	0	97
	↔↘ Through-Right		0			0	
	↘ Right	33	0	0	24	0	0
	↵↔↘ Left-Through-Right		1			1	
	↘↔ Left-Right		0			0	
SOUTHBOUND	↵ Left	83	0	83	60	0	60
	↵↔ Left-Through		1			1	
	↔ Through	41	0	124	45	0	105
	↔↘ Through-Right		0			0	
	↘ Right	20	1	20	15	1	15
	↵↔↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
EASTBOUND	↵ Left	15	0	15	26	0	26
	↵↔ Left-Through		1			1	
	↔ Through	633	0	356	577	0	366
	↔↘ Through-Right		1			1	
	↘ Right	18	0	356	51	0	366
	↵↔↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
WESTBOUND	↵ Left	34	0	34	28	0	28
	↵↔ Left-Through		1			1	
	↔ Through	576	0	391	556	0	376
	↔↘ Through-Right		1			1	
	↘ Right	69	0	391	83	0	376
	↵↔↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 174 <i>East-West:</i> 406 <i>SUM:</i> 580			<i>North-South:</i> 157 <i>East-West:</i> 402 <i>SUM:</i> 559
VOLUME/CAPACITY (V/C) RATIO:				0.387			0.373
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.287</b>			<b>0.273</b>
LEVEL OF SERVICE (LOS):				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**18**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 0	0	<i>NB --</i> 0	<i>SB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	25	0	25	34	0	34
	↵↔ Left-Through		0			0	
	↔ Through	114	0	166	170	0	229
	↔↘ Through-Right		0			0	
	↘ Right	27	0	0	25	0	0
	↵↘ Left-Through-Right		1			1	
↘↘ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	7	0	7	8	0	8
	↵↔ Left-Through		0			0	
	↔ Through	120	0	174	94	0	171
	↔↘ Through-Right		0			0	
	↘ Right	47	0	0	69	0	0
	↵↘ Left-Through-Right		1			1	
↘↘ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	64	0	64	48	0	48
	↵↔ Left-Through		1			1	
	↔ Through	631	0	400	550	0	598
	↔↘ Through-Right		1			0	
	↘ Right	41	0	400	61	1	61
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	35	0	35	41	0	41
	↵↔ Left-Through		1			1	
	↔ Through	560	0	595	548	0	589
	↔↘ Through-Right		0			0	
	↘ Right	25	1	25	25	1	25
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 199			<i>North-South:</i> 237
				<i>East-West:</i> 659			<i>East-West:</i> 639
				<i>SUM:</i> 858			<i>SUM:</i> 876
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.572			0.584
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.472</b>			<b>0.484</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**19**

**PROJECT TITLE: AMPAS**  
**North-South Street: La Brea Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i>	0	<i>NB --</i> 0	<i>SB --</i>	0
		<i>EB --</i> 0	<i>WB --</i>	0	<i>EB --</i> 0	<i>WB --</i>	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	66	1	66	74	1	74
	↵↔ Left-Through		0			0	
	↔ Through	1340	2	670	1441	2	721
	↔↘ Through-Right		0			0	
	↘ Right	53	1	53	47	1	47
	↵↔↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	80	1	80	64	1	64
	↵↔ Left-Through		0			0	
	↔ Through	1312	2	469	1378	2	486
	↔↘ Through-Right		1			1	
	↘ Right	95	0	95	79	0	79
	↵↔↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	79	0	79	116	0	116
	↵↔ Left-Through		1			1	
	↔ Through	513	0	381	430	0	403
	↔↘ Through-Right		1			1	
	↘ Right	90	0	381	143	0	403
	↵↔↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	35	0	35	35	0	35
	↵↔ Left-Through		1			1	
	↔ Through	466	0	501	500	0	535
	↔↘ Through-Right		0			0	
	↘ Right	92	1	52	85	1	53
	↵↔↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 750 <i>East-West:</i> 580 <i>SUM:</i> 1330			<i>North-South:</i> 785 <i>East-West:</i> 651 <i>SUM:</i> 1436
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.887			0.957
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.787</b>			<b>0.857</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>			<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #: **21**

**PROJECT TITLE: AMPAS**  
**North-South Street: San Vicente Boulevard East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date: Analyst: Date:**

No. of Phases		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		NB --	SB --	Lane Volume	NB --	SB --	Lane Volume
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0	0	0	0	0	0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		0	0	0	0	0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	199	2	109	119	2	65
	Left-Through		0			0	
	Through	597	2	209	435	2	150
	Through-Right		1			1	
	Right	29	0	29	16	0	16
	Left-Through-Right		0			0	
SOUTHBOUND	Left	193	2	106	100	2	55
	Left-Through		0			0	
	Through	615	3	205	444	3	148
	Through-Right		0			0	
	Right	108	0	0	0	0	0
	Left-Through-Right		0			0	
EASTBOUND	Left	87	1	87	48	1	48
	Left-Through		0			0	
	Through	1140	2	444	938	2	355
	Through-Right		1			1	
	Right	193	0	193	127	0	127
	Left-Through-Right		0			0	
WESTBOUND	Left	33	1	33	19	1	19
	Left-Through		0			0	
	Through	1035	2	422	893	2	348
	Through-Right		1			1	
	Right	231	0	231	150	0	150
	Left-Through-Right		0			0	
CRITICAL VOLUMES				North-South: 315 East-West: 509 SUM: 824			North-South: 213 East-West: 396 SUM: 609
VOLUME/CAPACITY (V/C) RATIO:				0.599			0.443
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.499			0.343
LEVEL OF SERVICE (LOS):				A			A































## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**22**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boul East-West Street: Wilshire Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** Analyst: Date:

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	 Left	3	0	0	0	0	0
	 Left-Through		0			0	
	 Through	531	1	320	615	1	349
	 Through-Right		1			1	
	 Right	109	0	109	82	0	82
	 Left-Through-Right		0			0	
 Left-Right		0			0		
<b>SOUTHBOUND</b>	 Left	104	0	104	82	0	82
	 Left-Through		1			1	
	 Through	473	0	514	447	0	449
	 Through-Right		1			1	
	 Right	138	0	514	123	0	449
	 Left-Through-Right		0			0	
 Left-Right		0			0		
<b>EASTBOUND</b>	 Left	106	1	106	112	1	112
	 Left-Through		0			0	
	 Through	1183	2	439	1071	2	367
	 Through-Right		1			1	
	 Right	135	0	135	29	0	29
	 Left-Through-Right		0			0	
 Left-Right		0			0		
<b>WESTBOUND</b>	 Left	90	1	90	16	1	16
	 Left-Through		0			0	
	 Through	1083	2	410	994	2	370
	 Through-Right		1			1	
	 Right	148	0	148	116	0	116
	 Left-Through-Right		0			0	
 Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 514			<i>North-South:</i> 449
				<i>East-West:</i> 529			<i>East-West:</i> 482
				<b>SUM:</b> 1043			<b>SUM:</b> 931
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.695			0.621
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.595</b>			<b>0.521</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**23**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				4 0 3 0 2 0			4 0 3 0 2 0
		<i>NB --</i> 0	<i>SB --</i>	3	<i>NB --</i> 0	<i>SB --</i>	3
		<i>EB --</i> 0	<i>WB --</i>	0	<i>EB --</i> 0	<i>WB --</i>	0
				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	144	1	144	101	1	101
	↵↔ Left-Through		0			0	
	↔ Through	836	1	476	828	1	459
	↔↗ Through-Right		1			1	
	↗ Right	115	0	115	89	0	89
	↗↔ Left-Through-Right		0			0	
	↗↔ Left-Right		0			0	
<b>SOUTHBOUND</b>	↵ Left	185	1	185	184	1	184
	↵↔ Left-Through		0			0	
	↔ Through	913	2	457	917	2	459
	↔↗ Through-Right		0			0	
	↗ Right	258	1	42	163	1	0
	↗↔ Left-Through-Right		0			0	
	↗↔ Left-Right		0			0	
<b>EASTBOUND</b>	↵ Left	216	1	216	192	1	192
	↵↔ Left-Through		0			0	
	↔ Through	1053	2	372	976	2	350
	↔↗ Through-Right		1			1	
	↗ Right	62	0	62	73	0	73
	↗↔ Left-Through-Right		0			0	
	↗↔ Left-Right		0			0	
<b>WESTBOUND</b>	↵ Left	94	1	94	117	1	117
	↵↔ Left-Through		0			0	
	↔ Through	935	2	363	861	2	346
	↔↗ Through-Right		1			1	
	↗ Right	153	0	153	178	0	178
	↗↔ Left-Through-Right		0			0	
	↗↔ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 661 <i>East-West:</i> 579 <i>SUM:</i> 1240			<i>North-South:</i> 643 <i>East-West:</i> 538 <i>SUM:</i> 1181
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.902			0.859
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.802</b>			<b>0.759</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>			<b>C</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**25**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 0	0	<i>NB --</i> 0	<i>SB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	46	0	46	34	0	34
	↵↔ Left-Through		0			0	
	↔ Through	104	0	253	106	0	196
	↔↘ Through-Right		0			0	
	↘ Right	103	0	0	56	0	0
	↵↔↘ Left-Through-Right		1			1	
↘↔ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	79	0	79	63	0	63
	↵↔ Left-Through		0			0	
	↔ Through	108	0	330	82	0	263
	↔↘ Through-Right		0			0	
	↘ Right	143	0	0	118	0	0
	↵↔↘ Left-Through-Right		1			1	
↘↔ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	121	1	121	109	1	109
	↵↔ Left-Through		0			0	
	↔ Through	1151	2	576	1039	2	520
	↔↘ Through-Right		0			0	
	↘ Right	26	1	26	21	1	21
	↵↔↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	39	1	39	29	1	29
	↵↔ Left-Through		0			0	
	↔ Through	1090	2	545	1145	2	573
	↔↘ Through-Right		0			0	
	↘ Right	19	1	19	35	1	35
	↵↔↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 376			<i>North-South:</i> 297
				<i>East-West:</i> 666			<i>East-West:</i> 682
				<i>SUM:</i> 1042			<i>SUM:</i> 979
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.695			0.653
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.595</b>			<b>0.553</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**27**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 0	0	<i>NB --</i> 0	<i>SB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	35	0	35	62	0	62
	Left-Through		0			0	
	Through	105	0	172	149	0	253
	Through-Right		0			0	
	Right	32	0	0	42	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
<b>SOUTHBOUND</b>	Left	21	0	21	24	0	24
	Left-Through		0			0	
	Through	93	0	177	87	0	196
	Through-Right		0			0	
	Right	63	0	0	85	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
<b>EASTBOUND</b>	Left	49	1	49	46	1	46
	Left-Through		0			0	
	Through	1274	2	637	1175	2	588
	Through-Right		0			0	
	Right	20	1	20	32	1	32
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>WESTBOUND</b>	Left	23	1	23	27	1	27
	Left-Through		0			0	
	Through	1161	2	581	1226	2	613
	Through-Right		0			0	
	Right	45	1	45	33	1	33
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 212 <i>East-West:</i> 660 <i>SUM:</i> 872			<i>North-South:</i> 277 <i>East-West:</i> 659 <i>SUM:</i> 936
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.581			0.624
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.481</b>			<b>0.524</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**29**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 8th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				3			3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2			2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	0	0	0	1	0	0
	↵↔ Left-Through		0			0	
	↔ Through	935	1	503	1073	1	562
	↔↘ Through-Right		1			1	
	↘ Right	70	0	70	50	0	50
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	105	1	105	94	1	94
	↵↔ Left-Through		0			0	
	↔ Through	1051	2	526	1020	2	510
	↔↘ Through-Right		0			0	
	↘ Right	0	0	0	1	0	0
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	2	0	2	3	0	3
	↵↔ Left-Through		0			0	
	↔ Through	16	0	22	12	0	20
	↔↘ Through-Right		0			0	
	↘ Right	4	0	0	5	0	0
	↵↘ Left-Through-Right		1			1	
↘↘ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	79	1	68	75	1	62
	↵↔ Left-Through		0			0	
	↔ Through	0	0	0	0	0	0
	↔↘ Through-Right		0			0	
	↘ Right	124	1	16	110	1	15
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		1			1		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 608 <i>East-West:</i> 90 <i>SUM:</i> 698			<i>North-South:</i> 656 <i>East-West:</i> 82 <i>SUM:</i> 738
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.490			0.518
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.390</b>			<b>0.418</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE: AMPAS**  
**North-South Street: McCarthy Vista/Carillo | East-West Street: San Vicente Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date: Analyst: Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity							
		2			2		
		0			0		
		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
		2			2		
		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	117	0	117	59	0	59
	Left-Through		1			1	
	Through	496	0	493	531	0	337
	Through-Right		1			1	
	Right	22	0	493	24	0	337
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>SOUTHBOUND</b>	Left	84	0	84	83	0	83
	Left-Through		1			1	
	Through	539	1	354	383	1	275
	Through-Right		0			0	
	Right	95	0	95	19	0	19
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>EASTBOUND</b>	Left	55	1	55	30	1	30
	Left-Through		0			0	
	Through	701	2	260	578	2	204
	Through-Right		1			1	
	Right	80	0	80	33	0	33
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>WESTBOUND</b>	Left	46	1	46	18	1	18
	Left-Through		0			0	
	Through	697	2	268	507	2	199
	Through-Right		1			1	
	Right	107	0	107	89	0	89
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 577			<i>North-South:</i> 420		
		<i>East-West:</i> 323			<i>East-West:</i> 229		
		<i>SUM:</i> 900			<i>SUM:</i> 649		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.600			0.433		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.500</b>			<b>0.333</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>			<b>A</b>		



## Level of Service Worksheet (Circular 212 Method)



I/S #: 31

PROJECT TITLE: AMPAS  
 North-South Street: Carillo Drive/Crescent I East-West Street: Olympic Boulevard  
 Scenario: Future with Project with Mitigation (Year 2017)  
 Count Date: Analyst: Date:

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 2	2	NB -- 0	SB -- 2	2
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	153	0	0	1	0	0
	Left-Through		0			0	
	Through	409	1	409	398	1	398
	Through-Right		0			0	
	Right	46	1	31	42	1	20
	Left-Through-Right		0			0	
SOUTHBOUND	Left	16	0	0	2	0	0
	Left-Through		0			0	
	Through	377	0	292	306	0	206
	Through-Right		1			1	
	Right	207	1	0	106	1	0
	Left-Through-Right		0			0	
EASTBOUND	Left	158	1	158	146	1	146
	Left-Through		0			0	
	Through	994	2	497	883	2	442
	Through-Right		0			0	
	Right	20	1	20	19	1	19
	Left-Through-Right		0			0	
WESTBOUND	Left	31	1	31	45	1	45
	Left-Through		0			0	
	Through	1014	2	507	773	2	387
	Through-Right		0			0	
	Right	11	1	11	3	1	3
	Left-Through-Right		0			0	
CRITICAL VOLUMES				North-South: 409 East-West: 665 SUM: 1074			North-South: 398 East-West: 533 SUM: 931
VOLUME/CAPACITY (V/C) RATIO:				0.716			0.621
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.616			0.521
LEVEL OF SERVICE (LOS):				B			A

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: San Vicente Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases					3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?					0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0				0
		EB -- 0	WB -- 0	NB -- 0	SB -- 0		0
ATSAC-1 or ATSAC+ATCS-2?					2		
Override Capacity					0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	11	0	0	5	0	0
	↵↔ Left-Through		0			0	
	↔ Through	752	2	376	859	2	430
	↔↵ Through-Right		0			0	
	↔ Right	2	0	0	0	0	0
	↔↵↔ Left-Through-Right		0			0	
	↔↵↔ Left-Right		0			0	
<b>SOUTHBOUND</b>	↵ Left	105	1	105	114	1	114
	↵↔ Left-Through		0			0	
	↔ Through	958	1	502	975	1	500
	↔↵ Through-Right		1			1	
	↔ Right	45	0	45	24	0	24
	↔↵↔ Left-Through-Right		0			0	
	↔↵↔ Left-Right		0			0	
<b>EASTBOUND</b>	↵ Left	37	1	37	22	1	22
	↵↔ Left-Through		0			0	
	↔ Through	747	4	187	502	4	126
	↔↵ Through-Right		0			0	
	↔ Right	120	1	120	82	1	82
	↔↵↔ Left-Through-Right		0			0	
	↔↵↔ Left-Right		0			0	
<b>WESTBOUND</b>	↵ Left	0	0	0	1	0	0
	↵↔ Left-Through		0			0	
	↔ Through	702	2	287	553	2	269
	↔↵ Through-Right		1			1	
	↔ Right	158	0	158	255	0	255
	↔↵↔ Left-Through-Right		0			0	
	↔↵↔ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>		North-South: 502			North-South: 544		
		East-West: 324			East-West: 291		
		<b>SUM: 826</b>			<b>SUM: 835</b>		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.580			0.586		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.480</b>			<b>0.486</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>			<b>A</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**33**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: Olympic Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases					3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?					0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0		NB -- 0	SB -- 0	
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0		EB -- 0	WB -- 0	
Override Capacity					2		
					0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	59	1	59	18	1	18
	Left-Through		0			0	
	Through	658	1	355	629	1	330
	Through-Right		1			1	
	Right	51	0	51	31	0	31
	Left-Through-Right		0			0	
SOUTHBOUND	Left	0	0	0	0	0	0
	Left-Through		0			0	
	Through	899	1	576	898	1	546
	Through-Right		1			1	
	Right	253	0	253	193	0	193
	Left-Through-Right		0			0	
EASTBOUND	Left	138	1	138	159	1	159
	Left-Through		0			0	
	Through	888	2	308	776	2	267
	Through-Right		1			1	
	Right	36	0	36	24	0	24
	Left-Through-Right		0			0	
WESTBOUND	Left	63	1	63	85	1	85
	Left-Through		0			0	
	Through	768	3	256	658	3	219
	Through-Right		0			0	
	Right	17	0	0	8	0	0
	Left-Through-Right		0			0	
CRITICAL VOLUMES		North-South: 635			North-South: 564		
		East-West: 394			East-West: 378		
		SUM: 1029			SUM: 942		
VOLUME/CAPACITY (V/C) RATIO:		0.722			0.661		
V/C LESS ATSAC/ATCS ADJUSTMENT:		0.622			0.561		
LEVEL OF SERVICE (LOS):		B			A		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**35**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>No. of Phases</b> Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0			2 0 0 0 2 0
		NB -- 0 EB -- 0	SB -- 0 WB -- 0		NB -- 0 EB -- 0	SB -- 0 WB -- 0	
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	11	0	11	5	0	5
	Left-Through		0			0	
	Through	68	0	100	83	0	128
	Through-Right		0			0	
	Right	21	0	0	40	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
SOUTHBOUND	Left	33	0	33	28	0	28
	Left-Through		0			0	
	Through	84	0	167	56	0	105
	Through-Right		0			0	
	Right	50	0	0	21	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
EASTBOUND	Left	48	1	48	49	1	49
	Left-Through		0			0	
	Through	828	2	414	806	2	403
	Through-Right		0			0	
	Right	13	1	13	14	1	14
	Left-Through-Right		0			0	
	Left-Right		0			0	
WESTBOUND	Left	32	1	32	20	1	20
	Left-Through		0			0	
	Through	869	2	435	810	2	405
	Through-Right		0			0	
	Right	30	1	30	39	1	39
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 178 <i>East-West:</i> 483 <i>SUM:</i> 661			<i>North-South:</i> 156 <i>East-West:</i> 454 <i>SUM:</i> 610
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.441			0.407
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.341</b>			<b>0.307</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**36**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Hauser Boulevard      **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0			2 0 0 0 2 0
		<i>NB</i> -- 0	<i>SB</i> -- 0		<i>NB</i> -- 0	<i>SB</i> -- 0	
		<i>EB</i> -- 0	<i>WB</i> -- 0		<i>EB</i> -- 0	<i>WB</i> -- 0	
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↖ Left	27	1	27	12	1	12
	↖↗ Left-Through		0			0	
	↗ Through	351	0	384	451	0	491
	↗↘ Through-Right		1			1	
	↘ Right	33	0	0	40	0	0
	↘↗ Left-Through-Right		0			0	
↘↖ Left-Right		0			0		
<b>SOUTHBOUND</b>	↖ Left	45	1	45	49	1	49
	↖↗ Left-Through		0			0	
	↗ Through	337	0	406	358	0	434
	↗↘ Through-Right		1			1	
	↘ Right	69	0	0	76	0	0
	↘↗ Left-Through-Right		0			0	
↘↖ Left-Right		0			0		
<b>EASTBOUND</b>	↖ Left	68	1	68	83	1	83
	↖↗ Left-Through		0			0	
	↗ Through	809	2	405	786	2	393
	↗↘ Through-Right		0			0	
	↘ Right	14	1	1	14	1	8
	↘↗ Left-Through-Right		0			0	
↘↖ Left-Right		0			0		
<b>WESTBOUND</b>	↖ Left	38	1	38	48	1	48
	↖↗ Left-Through		0			0	
	↗ Through	818	2	409	794	2	397
	↗↘ Through-Right		0			0	
	↘ Right	41	1	19	86	1	62
	↘↗ Left-Through-Right		0			0	
↘↖ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 433 <i>East-West:</i> 477 <i>SUM:</i> 910			<i>North-South:</i> 540 <i>East-West:</i> 480 <i>SUM:</i> 1020
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.607			0.680
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.507</b>			<b>0.580</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**37**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 0	0	<i>NB --</i> 0	<i>SB --</i> 0	0
		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	18	0	18	24	0	24
	Left-Through		0			0	
	Through	100	0	151	111	0	200
	Through-Right		0			0	
	Right	33	0	0	65	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
SOUTHBOUND	Left	28	0	28	25	0	25
	Left-Through		0			0	
	Through	66	0	131	100	0	144
	Through-Right		0			0	
	Right	37	0	0	19	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
EASTBOUND	Left	24	1	24	19	1	19
	Left-Through		0			0	
	Through	849	2	425	888	2	444
	Through-Right		0			0	
	Right	12	1	12	10	1	10
	Left-Through-Right		0			0	
	Left-Right		0			0	
WESTBOUND	Left	56	1	56	34	1	34
	Left-Through		0			0	
	Through	830	2	415	947	2	474
	Through-Right		0			0	
	Right	33	1	33	35	1	35
	Left-Through-Right		0			0	
	Left-Right		0			0	
CRITICAL VOLUMES		North-South:		179	North-South:		225
		East-West:		481	East-West:		493
		SUM:		660	SUM:		718
VOLUME/CAPACITY (V/C) RATIO:				0.440			0.479
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.340			0.379
LEVEL OF SERVICE (LOS):				A			A





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**38**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: Pico Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		3			3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	148	1	148	140	1	140
	↵↔ Left-Through		0			0	
	↔ Through	652	2	326	703	2	352
	↔↘ Through-Right		0			0	
	↘ Right	102	1	49	141	1	94
	↵↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	81	1	81	81	1	81
	↵↔ Left-Through		0			0	
	↔ Through	861	2	431	820	2	410
	↔↘ Through-Right		0			0	
	↘ Right	58	1	31	59	1	22
	↵↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	55	1	55	74	1	74
	↵↔ Left-Through		0			0	
	↔ Through	728	1	412	764	1	430
	↔↘ Through-Right		1			1	
	↘ Right	96	0	96	96	0	96
	↵↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	107	1	107	95	1	95
	↵↔ Left-Through		0			0	
	↔ Through	654	1	353	675	1	356
	↔↘ Through-Right		1			1	
	↘ Right	51	0	51	37	0	37
	↵↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 579			<i>North-South:</i> 550		
		<i>East-West:</i> 519			<i>East-West:</i> 525		
		<b>SUM:</b> 1098			<b>SUM:</b> 1075		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.771			0.754		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.671</b>			<b>0.654</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>B</b>			<b>B</b>		

FUTURE WITH PROJECT WITH MITIGATION CONDITIONS - YEAR 2017

**AMPAS Museum**

Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

**WEEKDAY MIDDAY PEAK HOUR**

Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	203	0.000	N/S 1: 0.416 *
	Through	3.00	4,800	1,058	0.277	N/S 2: 0.403
	Left	1.00	1,600	181	0.119 *	E/W 1: 0.448 *
Westbound	Right	0.00	0	107	0.000	E/W 2: 0.398
	Through	3.00	4,800	1,056	0.255	
	Left	1.00	1,600	235	0.155 *	V/C Ratio: 0.864
Northbound	Right	0.00	0	212	0.000	Loss Time: 0.100
	Through	3.00	4,800	1,141	0.297 *	ITS: 0.000
	Left	1.00	1,600	192	0.126	
Eastbound	Right	0.00	0	225	0.000	ICU: 0.964
	Through	3.00	4,800	1,111	0.293 *	
	Left	1.00	1,600	218	0.143	LOS: E

\* Critical Movement

FUTURE WITH PROJECT WITH MITIGATION CONDITIONS - YEAR 2017

**AMPAS Museum**

Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

**SATURDAY MIDDAY PEAK HOUR**

Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	135	0.000	N/S 1: 0.406
	Through	3.00	4,800	1,181	0.289 *	N/S 2: 0.417 *
	Left	1.00	1,600	123	0.081	E/W 1: 0.401 *
Westbound	Right	0.00	0	86	0.000	E/W 2: 0.356
	Through	3.00	4,800	906	0.218	V/C Ratio: 0.818
	Left	1.00	1,600	230	0.151 *	Loss Time: 0.100
Northbound	Right	0.00	0	184	0.000	ITS: 0.000
	Through	3.00	4,800	1,297	0.325	ICU: 0.918
	Left	1.00	1,600	194	0.128 *	LOS: E
Eastbound	Right	0.00	0	215	0.000	
	Through	3.00	4,800	923	0.250 *	
	Left	1.00	1,600	210	0.138	

\* Critical Movement

# HCM Signalized Intersection Capacity Analysis

## 43: Santa Monica Blvd & Fairfax Ave

8/15/2013



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	190	1010	111	219	944	81	127	768	166	99	812	128
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Frt	1.00	0.99		1.00	0.99		1.00	1.00	0.85	1.00	0.98	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2973		1509	2982		1509	3018	1350	1509	2956	
Flt Permitted	0.15	1.00		0.11	1.00		0.17	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	234	2973		183	2982		263	3018	1350	260	2956	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	200	1063	117	231	994	85	134	808	175	104	855	135
RTOR Reduction (vph)	0	8	0	0	6	0	0	0	78	0	13	0
Lane Group Flow (vph)	200	1172	0	231	1073	0	134	808	97	104	977	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	54.0	47.0		54.0	47.0		32.2	25.2	25.2	31.1	24.9	
Effective Green, g (s)	52.0	47.0		52.0	47.0		30.2	25.3	25.3	30.1	25.0	
Actuated g/C Ratio	0.52	0.47		0.52	0.47		0.30	0.25	0.25	0.30	0.25	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	198	1397		175	1402		154	764	342	149	739	
v/s Ratio Prot	0.06	0.39		c0.08	0.36		c0.05	0.27		0.04	c0.33	
v/s Ratio Perm	0.46			c0.61			0.21		0.07	0.17		
v/c Ratio	1.01	0.84		1.32	0.77		0.87	1.06	0.28	0.70	1.32	
Uniform Delay, d1	20.6	23.2		19.4	21.9		30.8	37.4	30.1	28.2	37.5	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.70	0.59	
Incremental Delay, d2	66.6	6.2		178.3	4.0		44.5	48.9	2.1	9.9	153.6	
Delay (s)	87.2	29.4		197.6	26.0		75.3	86.2	32.1	29.8	175.7	
Level of Service	F	C		F	C		E	F	C	C	F	
Approach Delay (s)		37.7			56.2			76.4			161.8	
Approach LOS		D			E			E			F	

### Intersection Summary

HCM Average Control Delay	79.2	HCM Level of Service	E
HCM Volume to Capacity ratio	1.27		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	16.0
Intersection Capacity Utilization	103.8%	ICU Level of Service	G
Analysis Period (min)	15		
c Critical Lane Group			

# HCM Signalized Intersection Capacity Analysis

## 43: Santa Monica Blvd & Fairfax Ave

8/15/2013



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	208	1121	126	225	997	92	137	753	158	106	956	151
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Frt	1.00	0.98		1.00	0.99		1.00	1.00	0.85	1.00	0.98	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2972		1509	2979		1509	3018	1350	1509	2956	
Flt Permitted	0.13	1.00		0.09	1.00		0.17	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	199	2972		138	2979		264	3018	1350	260	2956	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	219	1180	133	237	1049	97	144	793	166	112	1006	159
RTOR Reduction (vph)	0	8	0	0	7	0	0	0	75	0	13	0
Lane Group Flow (vph)	219	1305	0	237	1139	0	144	793	91	112	1152	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	54.0	47.0		54.0	47.0		32.1	25.1	25.1	31.2	24.9	
Effective Green, g (s)	52.0	47.0		52.0	47.0		30.1	25.2	25.2	30.2	25.0	
Actuated g/C Ratio	0.52	0.47		0.52	0.47		0.30	0.25	0.25	0.30	0.25	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	182	1397		154	1400		154	761	340	151	739	
v/s Ratio Prot	0.07	0.44		c0.09	0.38		c0.06	0.26		0.04	c0.39	
v/s Ratio Perm	0.55			c0.71			0.23		0.07	0.18		
v/c Ratio	1.20	0.93		1.54	0.81		0.94	1.04	0.27	0.74	1.56	
Uniform Delay, d1	19.8	25.0		22.5	22.7		32.1	37.4	30.0	28.2	37.5	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.72	0.62	
Incremental Delay, d2	132.0	12.7		272.3	5.3		57.0	44.1	1.9	14.5	257.7	
Delay (s)	151.8	37.8		294.7	28.0		89.1	81.5	31.9	34.8	280.9	
Level of Service	F	D		F	C		F	F	C	C	F	
Approach Delay (s)		54.1			73.7			75.0			259.3	
Approach LOS		D			E			E			F	

### Intersection Summary

HCM Average Control Delay	113.1	HCM Level of Service	F
HCM Volume to Capacity ratio	1.48		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	16.0
Intersection Capacity Utilization	114.5%	ICU Level of Service	H
Analysis Period (min)	15		
c Critical Lane Group			



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**1**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Sunset Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	147	1	147
	↵↔ Left-Through		0	
	→ Through	947	2	474
	↘ Through-Right		0	
	↘ Right	269	1	39
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	58	1	58
	↵↔ Left-Through		0	
	→ Through	667	2	334
	↘ Through-Right		0	
	↘ Right	200	1	62
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	276	1	276
	↵↔ Left-Through		0	
	→ Through	1274	2	465
	↘ Through-Right		1	
	↘ Right	120	0	120
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	230	1	230
	↵↔ Left-Through		0	
	→ Through	964	2	339
	↘ Through-Right		1	
	↘ Right	53	0	53
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		532
		<i>East-West:</i>		695
		<b>SUM:</b>		1227
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.892
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.792</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**3**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Melrose Avenue  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	75	1	75
	↵↔ Left-Through		0	
	↔ Through	1168	2	447
	↔↗ Through-Right		1	
	↗ Right	174	0	174
	↗↔ Left-Through-Right		0	
	↗↖ Left-Right		0	
<b>SOUTHBOUND</b>	↖ Left	96	1	96
	↖↔ Left-Through		0	
	↔ Through	852	2	334
	↔↗ Through-Right		1	
	↗ Right	151	0	151
	↗↔ Left-Through-Right		0	
	↗↖ Left-Right		0	
<b>EASTBOUND</b>	↖ Left	215	1	215
	↖↔ Left-Through		0	
	↔ Through	1200	1	654
	↔↗ Through-Right		1	
	↗ Right	108	0	108
	↗↔ Left-Through-Right		0	
	↗↖ Left-Right		0	
<b>WESTBOUND</b>	↖ Left	192	1	192
	↖↔ Left-Through		0	
	↔ Through	727	1	426
	↔↗ Through-Right		1	
	↗ Right	125	0	125
	↗↔ Left-Through-Right		0	
	↗↖ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		543
		<b>East-West:</b>		846
		<b>SUM:</b>		1389
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.975
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.875</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**4**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Beverly Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 3	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	143	1	143
	↶↷ Left-Through		0	
	↷ Through	1023	2	512
	↷↶ Through-Right		0	
	↷ Right	278	1	80
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	167	1	167
	↷↷ Left-Through		0	
	↷ Through	959	1	540
	↷↶ Through-Right		1	
	↷ Right	120	0	120
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	103	1	103
	↷↷ Left-Through		0	
	↷ Through	1183	2	592
	↷↶ Through-Right		0	
	↷ Right	128	1	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	198	1	198
	↶↷ Left-Through		0	
	↶ Through	1068	2	534
	↶↶ Through-Right		0	
	↶ Right	141	1	0
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		683
		<b>East-West:</b>		790
		<b>SUM:</b>		1473
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.071
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.971</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>E</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**5**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boul East-West Street: 3rd Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	3	0	0
	↶ Left-Through		0	
	↷ Through	965	1	513
	↷ Through-Right		1	
	↷ Right	61	0	61
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	9	0	0
	↷ Left-Through		0	
	↷ Through	719	1	719
	↷ Through-Right		0	
	↷ Right	63	1	63
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	15	0	0
	↶ Left-Through		0	
	↷ Through	1327	1	702
	↷ Through-Right		1	
	↷ Right	76	0	76
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	5	0	0
	↶ Left-Through		0	
	↷ Through	942	1	498
	↷ Through-Right		1	
	↷ Right	53	0	53
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	719
			<i>East-West:</i>	702
			<b>SUM:</b>	1421
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.947
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.847</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**6**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 3rd Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	84	1	84
	↶ Left-Through		0	
	↷ Through	889	2	445
	↷ Through-Right		0	
	↷ Right	82	1	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	206	1	206
	↷ Left-Through		0	
	↷ Through	964	1	567
	↷ Through-Right		1	
	↷ Right	170	0	170
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	230	1	230
	↶ Left-Through		0	
	↷ Through	1173	1	627
	↷ Through-Right		1	
	↷ Right	81	0	81
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	166	1	166
	↶ Left-Through		0	
	↷ Through	818	2	409
	↷ Through-Right		0	
	↷ Right	164	1	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		651
		<i>East-West:</i>		793
		<i>SUM:</i>		1444
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.050
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.950</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>E</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**7**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Martel Avenue/Hauser Blvd **East-West Street:** 3rd Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	193	1	193
	↶↷ Left-Through		0	
	↷ Through	405	1	405
	↷↶ Through-Right		0	
	↷ Right	139	1	86
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	32	0	32
	↷↶ Left-Through		0	
	↷ Through	339	0	398
	↷↶ Through-Right		0	
	↷ Right	27	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	22	1	22
	↷↶ Left-Through		0	
	↷ Through	1125	1	658
	↷↶ Through-Right		1	
	↷ Right	191	0	191
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	107	1	107
	↶↷ Left-Through		0	
	↶ Through	1050	1	540
	↶↶ Through-Right		1	
	↶ Right	30	0	30
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		591
		<b>East-West:</b>		765
		<b>SUM:</b>		1356
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.904
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.804</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>







## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**10**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Colgate Avenue  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	25	1	25
	↶ Left-Through		0	
	↷ Through	1173	1	644
	↷ Through-Right		1	
	↷ Right	114	0	114
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	35	1	35
	↷ Left-Through		0	
	↶ Through	1266	1	641
	↶ Through-Right		1	
	↶ Right	16	0	16
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	14	0	14
	↶ Left-Through		0	
	↷ Through	122	0	158
	↷ Through-Right		0	
	↷ Right	22	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	103	0	103
	↶ Left-Through		0	
	↷ Through	34	0	148
	↷ Through-Right		0	
	↷ Right	11	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		679
		<i>East-West:</i>		261
		<i>SUM:</i>		940
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.627
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.527</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**12**

**PROJECT TITLE: AMPAS**  
**North-South Street: San Vicente Boulevard East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date: Analyst: Date:**

		WEEKDAY PM PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				3
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	3
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	0	0	0
	Left-Through		0	
	Through	1010	2	361
	Through-Right		1	
	Right	74	0	74
	Left-Through-Right		0	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	388	1	388
	Left-Through		0	
	Through	1249	3	416
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>EASTBOUND</b>	Left	0	0	0
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	119	0	119
	Left-Through		1	
	Through	0	0	119
	Through-Right		0	
	Right	221	1	0
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	749
			<i>East-West:</i>	119
			<i>SUM:</i>	868
VOLUME/CAPACITY (V/C) RATIO:				0.609
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.509</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**12**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boul East-West Street: 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	3	0	0
	↶↷ Left-Through		0	
	↷ Through	712	1	371
	↷↶ Through-Right		1	
	↷ Right	29	0	29
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	13	0	0
	↷↷ Left-Through		0	
	↷ Through	994	1	522
	↷↶ Through-Right		1	
	↷ Right	50	0	50
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	56	0	56
	↷↷ Left-Through		0	
	↷ Through	407	0	532
	↷↶ Through-Right		0	
	↷ Right	69	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	87	0	87
	↷↷ Left-Through		0	
	↷ Through	336	0	499
	↷↶ Through-Right		0	
	↷ Right	76	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	522
			<i>East-West:</i>	619
			<i>SUM:</i>	1141
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.761
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.661</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	27	1	27
	↶ Left-Through		0	
	↷ Through	1047	2	524
	↷ Through-Right		0	
	↷ Right	264	1	264
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	166	1	166
	↷ Left-Through		0	
	↷ Through	1232	1	638
	↷ Through-Right		1	
	↷ Right	43	0	43
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	21	1	21
	↷ Left-Through		0	
	↷ Through	441	0	461
	↷ Through-Right		1	
	↷ Right	20	0	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	191	2	105
	↶ Left-Through		0	
	↷ Through	441	1	441
	↷ Through-Right		0	
	↷ Right	263	1	180
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		690
		<i>East-West:</i>		566
		<i>SUM:</i>		1256
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.881
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.781</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	160	1	160
	↵↗ Left-Through		0	
	↗ Through	106	0	289
	↗↘ Through-Right		1	
	↘ Right	183	0	0
	↘↗ Left-Through-Right		0	
	↘↘ Left-Right		0	
<b>SOUTHBOUND</b>	↘ Left	46	1	46
	↘↗ Left-Through		0	
	↘ Through	58	0	90
	↘↗ Through-Right		1	
	↘ Right	32	0	0
	↘↗ Left-Through-Right		0	
	↘↘ Left-Right		0	
<b>EASTBOUND</b>	↘ Left	49	1	49
	↘↗ Left-Through		0	
	↘ Through	873	1	464
	↘↗ Through-Right		1	
	↘ Right	55	0	55
	↘↗ Left-Through-Right		0	
	↘↘ Left-Right		0	
<b>WESTBOUND</b>	↘ Left	76	1	76
	↘↗ Left-Through		0	
	↘ Through	610	1	342
	↘↗ Through-Right		1	
	↘ Right	73	0	73
	↘↗ Left-Through-Right		0	
	↘↘ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		335
		<i>East-West:</i>		540
		<i>SUM:</i>		875
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.583
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.483</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**16**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	46	1	46
	Left-Through		0	
	Through	496	0	533
	Through-Right		1	
	Right	37	0	0
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	47	1	47
	Left-Through		0	
	Through	420	1	420
	Through-Right		0	
	Right	73	1	73
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	34	0	0
	Left-Through		0	
	Through	1151	1	611
	Through-Right		1	
	Right	70	0	70
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	5	0	0
	Left-Through		0	
	Through	653	1	356
	Through-Right		1	
	Right	59	0	59
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	580
			<i>East-West:</i>	611
			<i>SUM:</i>	1191
VOLUME/CAPACITY (V/C) RATIO:				0.794
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.694</b>
LEVEL OF SERVICE (LOS):				<b>B</b>













**Level of Service Worksheet  
(Circular 212 Method)**



**I/S #:**  
**22**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Blvd **East-West Street:** Wilshire Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i>	0
		<i>EB --</i> 0	<i>WB --</i>	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	0	0	0
	Left-Through		0	
	Through	720	1	420
	Through-Right		1	
	Right	119	0	119
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	108	0	108
	Left-Through		1	
	Through	669	0	593
	Through-Right		1	
	Right	84	0	593
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	140	1	140
	Left-Through		0	
	Through	1651	2	603
	Through-Right		1	
	Right	157	0	157
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	96	1	96
	Left-Through		0	
	Through	1261	2	465
	Through-Right		1	
	Right	133	0	133
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES			<i>North-South:</i>	593
			<i>East-West:</i>	699
			<b>SUM:</b>	1292
VOLUME/CAPACITY (V/C) RATIO:				0.861
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.761</b>
LEVEL OF SERVICE (LOS):				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**23**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	3
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	92	1	92
	↶↷ Left-Through		0	
	↷ Through	840	1	446
	↷↶ Through-Right		1	
	↷ Right	52	0	52
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	210	1	210
	↷↶ Left-Through		0	
	↷ Through	1026	2	513
	↷↶ Through-Right		0	
	↷ Right	213	1	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	284	1	284
	↷↶ Left-Through		0	
	↷ Through	1503	2	532
	↷↶ Through-Right		1	
	↷ Right	94	0	94
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	105	1	105
	↶↷ Left-Through		0	
	↶ Through	1138	2	440
	↶↷ Through-Right		1	
	↶ Right	181	0	181
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		656
		<b>East-West:</b>		724
		<b>SUM:</b>		1380
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.004
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.904</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>E</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**25**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	66	0	66
	↶ Left-Through		0	
	↷ Through	195	0	387
	↷ Through-Right		0	
	↷ Right	126	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	102	0	102
	↷ Left-Through		0	
	↷ Through	253	0	479
	↷ Through-Right		0	
	↷ Right	124	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	149	1	149
	↶ Left-Through		0	
	↷ Through	1465	2	505
	↷ Through-Right		1	
	↷ Right	49	0	49
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	46	1	46
	↶ Left-Through		0	
	↷ Through	1128	2	379
	↷ Through-Right		1	
	↷ Right	10	0	10
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		545
		<b>East-West:</b>		551
		<b>SUM:</b>		1096
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.731
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.631</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



**I/S #:**  
26

**PROJECT TITLE:** AMPAS

**North-South Street:** Hauser Boulevard

**East-West Street:** Wilshire Boulevard

**Scenario:** Future with Project with Mitigation (Year 2017)

**Count Date:**

**Analyst:**

**Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	49	1	49
	Left-Through		0	
	Through	502	1	502
	Through-Right		0	
	Right	187	1	141
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	65	1	65
	Left-Through		0	
	Through	440	0	471
	Through-Right		1	
	Right	31	0	0
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	73	1	73
	Left-Through		0	
	Through	1525	2	563
	Through-Right		1	
	Right	163	0	163
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	92	1	92
	Left-Through		0	
	Through	1075	2	381
	Through-Right		1	
	Right	69	0	69
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		<b>North-South:</b>		567
		<b>East-West:</b>		655
		<b>SUM:</b>		1222
VOLUME/CAPACITY (V/C) RATIO:				0.815
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.715</b>
LEVEL OF SERVICE (LOS):				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**27**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	38	0	38
	↶ Left-Through		0	
	↷ Through	192	0	274
	↷ Through-Right		0	
	↷ Right	44	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↶ Left	54	0	54
	↶ Left-Through		0	
	↷ Through	307	0	506
	↷ Through-Right		0	
	↷ Right	145	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	60	1	60
	↶ Left-Through		0	
	↷ Through	1407	2	484
	↷ Through-Right		1	
	↷ Right	45	0	45
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	40	1	40
	↶ Left-Through		0	
	↷ Through	1189	2	442
	↷ Through-Right		1	
	↷ Right	137	0	137
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		544
		<b>East-West:</b>		524
		<b>SUM:</b>		1068
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.712
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.612</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**28**

**PROJECT TITLE: AMPAS**  
**North-South Street: La Brea Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	142	1	142
	↶↷ Left-Through		0	
	↷ Through	1506	2	529
	↷↶ Through-Right		1	
	↷ Right	81	0	81
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	125	1	125
	↷↶ Left-Through		0	
	↷ Through	1303	2	480
	↷↶ Through-Right		1	
	↷ Right	136	0	136
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	224	1	224
	↷↶ Left-Through		0	
	↷ Through	1224	2	452
	↷↶ Through-Right		1	
	↷ Right	133	0	133
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	235	1	235
	↶↷ Left-Through		0	
	↶ Through	963	2	363
	↶↷ Through-Right		1	
	↶ Right	126	0	126
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		654
		<i>East-West:</i>		687
		<b>SUM:</b>		1341
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.975
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.875</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**29**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 8th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	884	1	478
	↷↶ Through-Right		1	
	↷ Right	71	0	71
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	276	1	276
	↷↶ Left-Through		0	
	↷ Through	1049	2	525
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	2	0	2
	↷↶ Left-Through		0	
	↷ Through	127	0	133
	↷↶ Through-Right		0	
	↷ Right	4	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	133	1	76
	↷↶ Left-Through		0	
	↷ Through	0	0	0
	↷↶ Through-Right		0	
	↷ Right	95	1	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		1	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	754
			<i>East-West:</i>	209
			<i>SUM:</i>	963
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.676
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.576</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	53	0	53
	↶↷ Left-Through		1	
	↷ Through	587	0	415
	↷↶ Through-Right		1	
	↷ Right	30	0	415
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	90	0	90
	↷↶ Left-Through		1	
	↷ Through	758	1	559
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	146	1	146
	↷↶ Left-Through		0	
	↷ Through	1085	2	404
	↷↶ Through-Right		1	
	↷ Right	126	0	126
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	27	1	27
	↷↶ Left-Through		0	
	↷ Through	729	2	292
	↷↶ Through-Right		1	
	↷ Right	147	0	147
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		612
		<b>East-West:</b>		438
		<b>SUM:</b>		1050
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.700		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.600</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>		



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**31**

**PROJECT TITLE: AMPAS**  
**North-South Street: Carillo Drive/Crescent I East-West Street: Olympic Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date: Analyst: Date:**

		WEEKDAY PM PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	125	0	0
	Left-Through		0	
	Through	433	1	433
	Through-Right		0	
	Right	50	1	30
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	0	0	0
	Left-Through		0	
	Through	678	0	468
	Through-Right		1	
	Right	258	1	0
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	131	1	131
	Left-Through		0	
	Through	1987	2	667
	Through-Right		1	
	Right	15	0	15
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	41	1	41
	Left-Through		0	
	Through	1333	2	445
	Through-Right		1	
	Right	2	0	2
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		468
		<b>East-West:</b>		708
		<b>SUM:</b>		1176
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.784
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.684</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	15	0	0
	↶ Left-Through		0	
	↷ Through	736	2	368
	↷ Through-Right		0	
	↷ Right	2	0	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	119	1	119
	↷ Left-Through		0	
	↷ Through	1175	1	607
	↷ Through-Right		1	
	↷ Right	38	0	38
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	36	1	36
	↶ Left-Through		0	
	↷ Through	1022	4	256
	↷ Through-Right		0	
	↷ Right	76	1	76
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	0	0	0
	↶ Left-Through		0	
	↷ Through	731	2	308
	↷ Through-Right		1	
	↷ Right	194	0	194
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		607
		<b>East-West:</b>		344
		<b>SUM:</b>		951
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.667
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.567</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**33**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: Olympic Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	25	1	25
	↶↷ Left-Through		0	
	↷ Through	621	1	334
	↷↶ Through-Right		1	
	↷ Right	47	0	47
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	2	0	0
	↷↶ Left-Through		0	
	↷ Through	961	1	606
	↷↶ Through-Right		1	
	↷ Right	251	0	251
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	111	1	111
	↶↷ Left-Through		0	
	↶ Through	1923	2	644
	↶↷ Through-Right		1	
	↶ Right	8	0	8
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	52	1	52
	↷↶ Left-Through		0	
	↷ Through	1176	3	392
	↷↶ Through-Right		0	
	↷ Right	13	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	631
			<i>East-West:</i>	696
			<b>SUM:</b>	1327
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.931
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.831</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: **34**

**PROJECT TITLE: AMPAS**  
**North-South Street: San Vicente Boulevard East-West Street: Olympic Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date: Analyst: Date:**

		WEEKDAY PM PEAK HOUR		
		No. of Phases	Opposed Ø'ing: N/S-1, E/W-2 or Both-3?	Right Turns: FREE-1, NRTOR-2 or OLA-3?
		ATSAC-1 or ATSAC+ATCS-2?	Override Capacity	
		NB -- 0	SB -- 0	
		EB -- 0	WB -- 0	
<b>MOVEMENT</b>		<b>Volume</b>	<b>No. of Lanes</b>	<b>Lane Volume</b>
<b>NORTHBOUND</b>	↶ Left	107	1	107
	↶↷ Left-Through		0	
	↷ Through	749	2	251
	↷↶ Through-Right		1	
	↷ Right	5	0	5
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	3	0	0
	↷↷ Left-Through		0	
	↷ Through	1309	4	327
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	0	0	0
	↷↷ Left-Through		0	
	↷ Through	1710	2	680
	↷↶ Through-Right		1	
	↷ Right	331	0	331
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↶ Through	1156	2	481
	↶↶ Through-Right		1	
	↶ Right	288	0	288
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		434
		<b>East-West:</b>		680
		<b>SUM:</b>		1114
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.782
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.682</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**35**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: Olympic Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	6	0	6
	↶↷ Left-Through		0	
	↷ Through	84	0	150
	↷↶ Through-Right		0	
	↷ Right	60	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	122	0	122
	↷↷ Left-Through		0	
	↷ Through	293	0	503
	↷↶ Through-Right		0	
	↷ Right	88	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	57	1	57
	↷↷ Left-Through		0	
	↷ Through	1680	2	568
	↷↶ Through-Right		1	
	↷ Right	23	0	23
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	62	1	62
	↶↷ Left-Through		0	
	↶ Through	1289	2	443
	↶↶ Through-Right		1	
	↶ Right	40	0	40
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		509
		<b>East-West:</b>		630
		<b>SUM:</b>		1139
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.759
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.659</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: **36**

PROJECT TITLE: **AMPAS**  
 North-South Street: **Hauser Boulevard** East-West Street: **Olympic Boulevard**  
 Scenario: **Future with Project with Mitigation (Year 2017)**  
 Count Date: Analyst: Date:

		WEEKDAY PM PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	34	1	34
	Left-Through		0	
	Through	538	0	630
	Through-Right		1	
	Right	92	0	0
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	112	1	112
	Left-Through		0	
	Through	626	0	709
	Through-Right		1	
	Right	83	0	0
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	99	1	99
	Left-Through		0	
	Through	1758	2	604
	Through-Right		1	
	Right	54	0	54
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	51	1	51
	Left-Through		0	
	Through	1267	2	466
	Through-Right		1	
	Right	131	0	131
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES				North-South: 743
				East-West: 655
				SUM: 1398
VOLUME/CAPACITY (V/C) RATIO:				0.932
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.832</b>
LEVEL OF SERVICE (LOS):				<b>D</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: **37**

PROJECT TITLE: AMPAS

North-South Street: Cochran Avenue

East-West Street: Olympic Boulevard

Scenario: Future with Project with Mitigation (Year 2017)

Count Date:

Analyst:

Date:

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity		2		
		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	6	0	6
	Left-Through		0	
	Through	42	0	57
	Through-Right		0	
	Right	9	0	0
	Left-Through-Right		1	
	Left-Right		0	
SOUTHBOUND	Left	81	0	81
	Left-Through		0	
	Through	303	0	447
	Through-Right		0	
	Right	63	0	0
	Left-Through-Right		1	
	Left-Right		0	
EASTBOUND	Left	69	1	69
	Left-Through		0	
	Through	1766	2	600
	Through-Right		1	
	Right	35	0	35
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	63	1	63
	Left-Through		0	
	Through	1346	2	464
	Through-Right		1	
	Right	45	0	45
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		<b>North-South:</b>		453
		<b>East-West:</b>		663
		<b>SUM:</b>		1116
VOLUME/CAPACITY (V/C) RATIO:				0.744
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.644</b>
LEVEL OF SERVICE (LOS):				<b>B</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**38**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Pico Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	143	1	143
	↶↷ Left-Through		0	
	↷ Through	681	2	341
	↷↶ Through-Right		0	
	↷ Right	145	1	103
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	79	1	79
	↷↶ Left-Through		0	
	↷ Through	771	2	386
	↷↶ Through-Right		0	
	↷ Right	30	1	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	75	1	75
	↷↶ Left-Through		0	
	↷ Through	1299	1	699
	↷↶ Through-Right		1	
	↷ Right	98	0	98
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	85	1	85
	↶↷ Left-Through		0	
	↶ Through	663	1	340
	↶↶ Through-Right		1	
	↶ Right	16	0	16
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		529
		<b>East-West:</b>		784
		<b>SUM:</b>		1313
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.921
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.821</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>

## FUTURE WITH PROJECT WITH MITIGATION CONDITIONS - YEAR 2017

**AMPAS Museum**

## Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

**WEEKDAY PM PEAK HOUR**

Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	130	0.000	N/S 1: 0.443 *
	Through	3.00	4,800	1,195	0.291	N/S 2: 0.415
	Left	1.00	1,600	169	0.111 *	E/W 1: 0.502 *
Westbound	Right	0.00	0	119	0.000	E/W 2: 0.395
	Through	3.00	4,800	1,160	0.280	V/C Ratio: 0.945
	Left	1.00	1,600	247	0.163 *	Loss Time: 0.100
Northbound	Right	0.00	0	186	0.000	ITS: 0.000
	Through	3.00	4,800	1,330	0.332 *	ICU: 1.045
	Left	1.00	1,600	189	0.124	LOS: F
Eastbound	Right	0.00	0	170	0.000	
	Through	3.00	4,800	1,377	0.339 *	
	Left	1.00	1,600	175	0.115	

\* Critical Movement

# HCM Signalized Intersection Capacity Analysis

## 43: Santa Monica Blvd & Fairfax Ave

9/5/2013



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	287	1265	91	191	921	106	130	998	251	78	833	112
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Frt	1.00	0.99		1.00	0.98		1.00	1.00	0.85	1.00	0.98	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2987		1509	2971		1509	3018	1350	1509	2964	
Flt Permitted	0.14	1.00		0.09	1.00		0.15	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	227	2987		140	2971		244	3018	1350	253	2964	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	302	1332	96	201	969	112	137	1051	264	82	877	118
RTOR Reduction (vph)	0	5	0	0	9	0	0	0	87	0	10	0
Lane Group Flow (vph)	302	1423	0	201	1072	0	137	1051	177	82	985	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	53.3	46.3		53.3	46.3		34.0	27.0	27.0	30.7	25.6	
Effective Green, g (s)	51.3	46.3		51.3	46.3		32.0	27.1	27.1	29.7	25.7	
Actuated g/C Ratio	0.51	0.46		0.51	0.46		0.32	0.27	0.27	0.30	0.26	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	193	1383		154	1376		154	818	366	133	762	
v/s Ratio Prot	c0.09	0.48		0.08	0.36		c0.05	c0.35		0.03	0.33	
v/s Ratio Perm	c0.71			0.59			0.23		0.13	0.15		
v/c Ratio	1.56	1.03		1.31	0.78		0.89	1.28	0.48	0.62	1.29	
Uniform Delay, d1	20.8	26.9		23.4	22.6		30.0	36.5	30.6	28.5	37.1	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.68	0.59	
Incremental Delay, d2	277.8	31.8		176.3	4.4		47.9	137.4	4.5	5.3	140.3	
Delay (s)	298.6	58.7		199.7	27.0		77.9	173.9	35.1	24.6	162.3	
Level of Service	F	E		F	C		E	F	D	C	F	
Approach Delay (s)		100.6			54.1			139.6			151.8	
Approach LOS		F			D			F			F	

### Intersection Summary

HCM Average Control Delay	110.0	HCM Level of Service	F
HCM Volume to Capacity ratio	1.37		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	109.8%	ICU Level of Service	H
Analysis Period (min)	15		
c Critical Lane Group			



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**1**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Sunset Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	157	1	157
	↵↔ Left-Through		0	
	→ Through	591	2	296
	↘ Through-Right		0	
	↘ Right	282	1	44
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	73	1	73
	↵↔ Left-Through		0	
	→ Through	642	2	321
	↘ Through-Right		0	
	↘ Right	220	1	134
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	172	1	172
	↵↔ Left-Through		0	
	→ Through	1157	2	579
	↘ Through-Right		0	
	↘ Right	148	1	70
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	238	1	238
	↵↔ Left-Through		0	
	→ Through	1087	2	544
	↘ Through-Right		0	
	↘ Right	47	1	11
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	478
			<i>East-West:</i>	817
			<i>SUM:</i>	1295
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.942
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.842</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**3**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Melrose Avenue  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	86	1	86
	↶↷ Left-Through		0	
	↷ Through	839	2	338
	↷↶ Through-Right		1	
	↷ Right	175	0	175
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	98	1	98
	↷↶ Left-Through		0	
	↷ Through	831	2	330
	↷↶ Through-Right		1	
	↷ Right	160	0	160
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	163	1	163
	↷↶ Left-Through		0	
	↷ Through	873	1	502
	↷↶ Through-Right		1	
	↷ Right	130	0	130
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	253	1	253
	↷↶ Left-Through		0	
	↷ Through	822	1	475
	↷↶ Through-Right		1	
	↷ Right	127	0	127
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		436
		<b>East-West:</b>		755
		<b>SUM:</b>		1191
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.836
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.736</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**4**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Beverly Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 3	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	179	1	179
	↶↷ Left-Through		0	
	↷ Through	843	2	422
	↷↶ Through-Right		0	
	↷ Right	202	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	140	1	140
	↷↶ Left-Through		0	
	↷ Through	1016	1	584
	↷↶ Through-Right		1	
	↷ Right	151	0	151
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	109	1	109
	↶↷ Left-Through		0	
	↶ Through	1045	2	523
	↶↷ Through-Right		0	
	↶ Right	155	1	0
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	204	1	204
	↷↶ Left-Through		0	
	↷ Through	943	2	472
	↷↶ Through-Right		0	
	↷ Right	128	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		763
		<i>East-West:</i>		727
		<i>SUM:</i>		1490
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.084
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.984</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>E</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**5**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boulc **East-West Street:** 3rd Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	50	0	50
	↶↷ Left-Through		1	
	↷ Through	536	0	586
	↷↶ Through-Right		0	
	↷ Right	49	1	49
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	55	0	55
	↷↷ Left-Through		1	
	↷ Through	594	0	649
	↷↶ Through-Right		0	
	↷ Right	86	1	86
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	61	0	61
	↷↷ Left-Through		1	
	↷ Through	966	0	655
	↷↶ Through-Right		1	
	↷ Right	99	0	655
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	61	0	61
	↷↷ Left-Through		1	
	↷ Through	893	0	658
	↷↶ Through-Right		1	
	↷ Right	56	0	658
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		699
		<b>East-West:</b>		719
		<b>SUM:</b>		1418
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.945
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.845</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**6**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 3rd Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	100	1	100
	↶↷ Left-Through		0	
	↷ Through	950	2	475
	↷↶ Through-Right		0	
	↷ Right	143	1	51
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	203	1	203
	↷↶ Left-Through		0	
	↷ Through	1004	1	597
	↷↶ Through-Right		1	
	↷ Right	190	0	190
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	198	1	198
	↶↷ Left-Through		0	
	↶ Through	835	1	476
	↶↷ Through-Right		1	
	↶ Right	116	0	116
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	184	1	184
	↷↶ Left-Through		0	
	↷ Through	764	2	382
	↷↶ Through-Right		0	
	↷ Right	203	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		697
		<i>East-West:</i>		660
		<i>SUM:</i>		1357
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.987
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.887</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>





# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**7**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Martel Avenue/Hauser Blvd **East-West Street:** 3rd Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	214	1	214
	↶↷ Left-Through		0	
	↷ Through	325	1	325
	↷↶ Through-Right		0	
	↷ Right	128	1	75
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	20	0	20
	↷↶ Left-Through		0	
	↷ Through	321	0	393
	↷↶ Through-Right		0	
	↷ Right	52	0	0
	↷↶↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	41	1	41
	↷↶ Left-Through		0	
	↷ Through	983	1	589
	↷↶ Through-Right		1	
	↷ Right	194	0	194
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	106	1	106
	↷↶ Left-Through		0	
	↷ Through	1104	1	568
	↷↶ Through-Right		1	
	↷ Right	32	0	32
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		607
		<b>East-West:</b>		695
		<b>SUM:</b>		1302
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.868
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.768</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**8**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue/Alta V East-West Street: 3rd Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date: Analyst: Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	85	0	85
	↶↷ Left-Through		0	
	↷ Through	156	0	321
	↷↶ Through-Right		0	
	↷ Right	80	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	16	0	16
	↷↷ Left-Through		0	
	↷ Through	102	0	149
	↷↶ Through-Right		0	
	↷ Right	31	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	22	1	22
	↷↷ Left-Through		0	
	↷ Through	1048	1	538
	↷↶ Through-Right		1	
	↷ Right	27	0	27
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	60	1	60
	↶↷ Left-Through		0	
	↶ Through	1108	1	570
	↶↶ Through-Right		1	
	↶ Right	31	0	31
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		337
		<i>East-West:</i>		598
		<b>SUM:</b>		935
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.623
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.523</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**10**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Colgate Avenue  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	23	1	23
	↶ Left-Through		0	
	↷ Through	1198	1	640
	↷ Through-Right		1	
	↷ Right	82	0	82
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	31	1	31
	↷ Left-Through		0	
	↶ Through	1233	1	627
	↶ Through-Right		1	
	↶ Right	20	0	20
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	11	0	11
	↶ Left-Through		0	
	↷ Through	32	0	68
	↷ Through-Right		0	
	↷ Right	25	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	121	0	121
	↶ Left-Through		0	
	↷ Through	26	0	167
	↷ Through-Right		0	
	↷ Right	20	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		671
		<i>East-West:</i>		189
		<i>SUM:</i>		860
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.573
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.473</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #: **12**

PROJECT TITLE: AMPAS  
 North-South Street: San Vicente Boulevard East-West Street: 6th Street  
 Scenario: Future with Project with Mitigation (Year 2017)  
 Count Date: Analyst: Date:

MOVEMENT		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 3	3
Override Capacity		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	2	0	0
	↶↷ Left-Through		0	
	↷ Through	1077	2	379
	↷↶ Through-Right		1	
	↷ Right	60	0	60
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	221	1	221
	↷↶ Left-Through		0	
	↷ Through	923	3	308
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↶ Through	0	0	0
	↶↶ Through-Right		0	
	↶ Right	0	0	0
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	116	0	116
	↷↶ Left-Through		1	
	↷ Through	0	0	116
	↷↶ Through-Right		0	
	↷ Right	197	1	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		600
		<i>East-West:</i>		116
		<i>SUM:</i>		716
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.502		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.402</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>		





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	20	1	20
	↶ Left-Through		0	
	↷ Through	1036	2	518
	↷ Through-Right		0	
	↷ Right	198	1	198
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	167	1	167
	↷ Left-Through		0	
	↷ Through	1167	1	607
	↷ Through-Right		1	
	↷ Right	46	0	46
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	44	1	44
	↷ Left-Through		0	
	↷ Through	372	0	395
	↷ Through-Right		1	
	↷ Right	23	0	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	160	2	88
	↶ Left-Through		0	
	↷ Through	360	1	360
	↷ Through-Right		0	
	↷ Right	233	1	150
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		685
		<i>East-West:</i>		483
		<i>SUM:</i>		1168
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.820
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.720</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>







## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
				2
No. of Phases				0
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	108	1	108
	↵↻ Left-Through		0	
	↻ Through	50	0	196
	↻↵ Through-Right		1	
	↻ Right	146	0	0
	↻↵ Left-Through-Right		0	
	↻↵ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	35	1	35
	↵↻ Left-Through		0	
	↻ Through	48	0	82
	↻↵ Through-Right		1	
	↻ Right	34	0	0
	↻↵ Left-Through-Right		0	
	↻↵ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	37	1	37
	↵↻ Left-Through		0	
	↻ Through	563	1	320
	↻↵ Through-Right		1	
	↻ Right	76	0	76
	↻↵ Left-Through-Right		0	
	↻↵ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	86	1	86
	↵↻ Left-Through		0	
	↻ Through	598	1	324
	↻↵ Through-Right		1	
	↻ Right	50	0	50
	↻↵ Left-Through-Right		0	
	↻↵ Left-Right		0	
CRITICAL VOLUMES		<b>North-South:</b>		231
		<b>East-West:</b>		406
		<b>SUM:</b>		637
VOLUME/CAPACITY (V/C) RATIO:				0.425
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.325</b>
LEVEL OF SERVICE (LOS):				<b>A</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE: AMPAS**  
**North-South Street: Burnside Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	11	0	11
	↶↷ Left-Through		0	
	↷ Through	49	0	96
	↷↶ Through-Right		0	
	↷ Right	36	0	0
	↷↶ Left-Through-Right		1	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	59	0	59
	↷↶ Left-Through		1	
	↷ Through	43	0	102
	↷↶ Through-Right		0	
	↷ Right	12	1	12
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	14	0	14
	↷↶ Left-Through		1	
	↷ Through	709	0	396
	↷↶ Through-Right		1	
	↷ Right	26	0	396
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	28	0	28
	↷↶ Left-Through		1	
	↷ Through	598	0	385
	↷↶ Through-Right		1	
	↷ Right	59	0	385
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		155
		<b>East-West:</b>		424
		<b>SUM:</b>		579
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.386
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.286</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**18**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0
		NB -- 0      SB -- 0		
		EB -- 0      WB -- 0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	30	0	30
	↶↷ Left-Through		0	
	↷ Through	216	0	275
	↷↶ Through-Right		0	
	↷ Right	29	0	0
	↷↶ Left-Through-Right		1	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	5	0	5
	↷↶ Left-Through		0	
	↷ Through	136	0	186
	↷↶ Through-Right		0	
	↷ Right	45	0	0
	↷↶ Left-Through-Right		1	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	65	0	65
	↶↷ Left-Through		1	
	↶ Through	736	0	529
	↶↷ Through-Right		1	
	↶ Right	61	0	529
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	30	0	30
	↷↶ Left-Through		1	
	↷ Through	603	0	633
	↷↶ Through-Right		0	
	↷ Right	27	1	27
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>			North-South: 280 East-West: 698 <b>SUM: 978</b>	
<b>VOLUME/CAPACITY (V/C) RATIO:</b>			0.652	
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>			<b>0.552</b>	
<b>LEVEL OF SERVICE (LOS):</b>			<b>A</b>	



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**19**

**PROJECT TITLE: AMPAS**  
**North-South Street: La Brea Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
				2
No. of Phases				0
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	35	1	35
	↶ Left-Through		0	
	↷ Through	1164	2	582
	↷ Through-Right		0	
	↷ Right	28	1	28
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	66	1	66
	↷ Left-Through		0	
	↶ Through	1296	2	463
	↶ Through-Right		1	
	↶ Right	93	0	93
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	94	0	94
	↷ Left-Through		1	
	↶ Through	575	0	428
	↶ Through-Right		1	
	↶ Right	93	0	428
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	29	0	29
	↶ Left-Through		1	
	↷ Through	490	0	519
	↷ Through-Right		0	
	↷ Right	80	1	47
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		648
		<b>East-West:</b>		613
		<b>SUM:</b>		1261
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.841
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.741</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: **21**

PROJECT TITLE: **AMPAS**

North-South Street: **San Vicente Boulevard**     East-West Street: **Wilshire Boulevard**

Scenario: **Future with Project with Mitigation (Year 2017)**

Count Date:

Analyst:

Date:

		FRIDAY MIDDAY PEAK HOUR			
		No. of Phases			
		Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		4	
		Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB -- 0     SB -- 0	0	
		ATSAC-1 or ATSAC+ATCS-2?	EB -- 0     WB -- 0	0	
		Override Capacity		2	
				0	
MOVEMENT		Volume	No. of Lanes	Lane Volume	
NORTHBOUND	↶	Left	235	2	129
	↶→	Left-Through		0	
	↶↑	Through	766	2	269
	↶→↷	Through-Right		1	
	↶↷	Right	42	0	42
	↶↷↶	Left-Through-Right		0	
	↶↷↶↷	Left-Right		0	
SOUTHBOUND	↷	Left	223	2	123
	↷↶	Left-Through		0	
	↷↑	Through	723	3	241
	↷→↶	Through-Right		0	
	↷↷	Right	131	0	0
	↷↶↷	Left-Through-Right		0	
	↷↶↷↶	Left-Right		0	
EASTBOUND	↷	Left	75	1	75
	↷↶	Left-Through		0	
	↷↑	Through	1131	2	449
	↷→↶	Through-Right		1	
	↷↷	Right	216	0	216
	↷↶↷	Left-Through-Right		0	
	↷↶↷↶	Left-Right		0	
WESTBOUND	↶	Left	30	1	30
	↶↷	Left-Through		0	
	↶↑	Through	1058	2	424
	↶→↷	Through-Right		1	
	↶↷	Right	213	0	213
	↶↶↷	Left-Through-Right		0	
	↶↶↷↶	Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	392	
			<b>East-West:</b>	499	
			<b>SUM:</b>	891	
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.648	
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.548</b>	
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>	



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**22**

**PROJECT TITLE: AMPAS**  
**North-South Street: Crescent Heights Boulevard East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date: Analyst: Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	1	0	0
	↶ Left-Through		0	
	↷ Through	647	1	374
	↷ Through-Right		1	
	↷ Right	100	0	100
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	114	0	114
	↷ Left-Through		1	
	↷ Through	533	0	561
	↷ Through-Right		1	
	↷ Right	132	0	561
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	106	1	106
	↶ Left-Through		0	
	↷ Through	1233	2	441
	↷ Through-Right		1	
	↷ Right	89	0	89
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	76	1	76
	↶ Left-Through		0	
	↷ Through	1218	2	433
	↷ Through-Right		1	
	↷ Right	81	0	81
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		561
		<b>East-West:</b>		539
		<b>SUM:</b>		1100
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.733
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.633</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**23**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	3
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	151	1	151
	↶↷ Left-Through		0	
	↷ Through	834	1	477
	↷↶ Through-Right		1	
	↷ Right	119	0	119
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	183	1	183
	↷↶ Left-Through		0	
	↷ Through	919	2	460
	↷↶ Through-Right		0	
	↷ Right	214	1	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	229	1	229
	↷↶ Left-Through		0	
	↷ Through	1060	2	394
	↷↶ Through-Right		1	
	↷ Right	121	0	121
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	97	1	97
	↶↷ Left-Through		0	
	↶ Through	994	2	395
	↶↷ Through-Right		1	
	↶ Right	190	0	190
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		660
		<b>East-West:</b>		624
		<b>SUM:</b>		1284
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.934
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.834</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
24

**PROJECT TITLE:** AMPAS  
**North-South Street:** Spaulding Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		No. of Phases	FRIDAY MIDDAY PEAK HOUR	
		Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		2
		Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB -- 0      SB -- 0	0
		ATSAC-1 or ATSAC+ATCS-2?	EB -- 0      WB -- 0	0
		Override Capacity		2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	48	0	48
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	68	0	116
	Left-Through-Right		0	
	Left-Right		1	
SOUTHBOUND	Left	0	0	0
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	0	0	0
	Left-Through		0	
	Through	1285	2	643
	Through-Right		0	
	Right	74	1	74
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	70	1	70
	Left-Through		0	
	Through	1248	2	624
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES			<i>North-South:</i>	116
			<i>East-West:</i>	713
			<b>SUM:</b>	829
VOLUME/CAPACITY (V/C) RATIO:				0.553
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.453
LEVEL OF SERVICE (LOS):				A



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**25**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	53	0	53
	↶ Left-Through		0	
	↷ Through	119	0	275
	↷ Through-Right		0	
	↷ Right	103	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↶ Left	64	0	64
	↶ Left-Through		0	
	↷ Through	106	0	280
	↷ Through-Right		0	
	↷ Right	110	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	101	1	101
	↶ Left-Through		0	
	↷ Through	1170	2	585
	↷ Through-Right		0	
	↷ Right	31	1	31
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	38	1	38
	↶ Left-Through		0	
	↷ Through	1174	2	587
	↷ Through-Right		0	
	↷ Right	38	1	38
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	339
			<i>East-West:</i>	688
			<i>SUM:</i>	1027
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.685
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.585</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>

### Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**26**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	83	1	83
	Left-Through		0	
	Through	384	1	384
	Through-Right		0	
	Right	119	1	88
	Left-Through-Right		0	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	57	1	57
	Left-Through		0	
	Through	344	0	407
	Through-Right		1	
	Right	63	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>EASTBOUND</b>	Left	80	1	80
	Left-Through		0	
	Through	1233	2	617
	Through-Right		0	
	Right	70	1	29
	Left-Through-Right		0	
	Left-Right		0	
<b>WESTBOUND</b>	Left	62	1	62
	Left-Through		0	
	Through	1207	2	604
	Through-Right		0	
	Right	76	1	48
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		490
		<i>East-West:</i>		684
		<i>SUM:</i>		1174
VOLUME/CAPACITY (V/C) RATIO:				0.783
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.683</b>
LEVEL OF SERVICE (LOS):				<b>B</b>



### Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**27**

**PROJECT TITLE: AMPAS**

**North-South Street: Cochran Avenue**

**East-West Street: Wilshire Boulevard**

**Scenario: Future with Project with Mitigation (Year 2017)**

**Count Date:**

**Analyst:**

**Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	52	0	52
	↶↷ Left-Through		0	
	↷ Through	210	0	305
	↷↶ Through-Right		0	
	↷ Right	43	0	0
	↷↷ Left-Through-Right		1	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	31	0	31
	↷↷ Left-Through		0	
	↷ Through	132	0	267
	↷↶ Through-Right		0	
	↷ Right	104	0	0
	↷↷ Left-Through-Right		1	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	52	1	52
	↷↷ Left-Through		0	
	↷ Through	1348	2	674
	↷↶ Through-Right		0	
	↷ Right	32	1	32
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	22	1	22
	↶↷ Left-Through		0	
	↶ Through	1264	2	632
	↶↶ Through-Right		0	
	↶ Right	54	1	54
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		336
		<i>East-West:</i>		696
		<i>SUM:</i>		1032
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.688
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.588</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**28**

**PROJECT TITLE: AMPAS**  
**North-South Street: La Brea Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	119	1	119
	↵↗ Left-Through		0	
	↗ Through	927	2	330
	↗↘ Through-Right		1	
	↘ Right	62	0	62
	↘↗ Left-Through-Right		0	
	↘↘ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	109	1	109
	↵↗ Left-Through		0	
	↗ Through	1117	2	444
	↗↘ Through-Right		1	
	↘ Right	215	0	215
	↘↗ Left-Through-Right		0	
	↘↘ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	212	1	212
	↵↗ Left-Through		0	
	↗ Through	990	2	495
	↗↘ Through-Right		0	
	↘ Right	149	1	90
	↘↗ Left-Through-Right		0	
	↘↘ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	166	1	166
	↵↗ Left-Through		0	
	↗ Through	1083	2	542
	↗↘ Through-Right		0	
	↘ Right	140	1	86
	↘↗ Left-Through-Right		0	
	↘↘ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		563
		<b>East-West:</b>		754
		<b>SUM:</b>		1317
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.958
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.858</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>

## Level of Service Worksheet (Circular 212 Method)



I/S #:
29

**PROJECT TITLE: AMPAS**

**North-South Street: Fairfax Avenue**

**East-West Street: 8th Street**

**Scenario: Future with Project with Mitigation (Year 2017)**

**Count Date:**

**Analyst:**

**Date:**

MOVEMENT		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		0	0	0
ATSAC-1 or ATSAC+ATCS-2?		0	0	2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	0	0	0
	Left-Through		0	
	Through	987	1	518
	Through-Right		1	
	Right	48	0	48
	Left-Through-Right		0	
	Left-Right		0	
<b>SOUTHBOUND</b>	Left	117	1	117
	Left-Through		0	
	Through	1113	2	557
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>EASTBOUND</b>	Left	3	0	3
	Left-Through		0	
	Through	24	0	31
	Through-Right		0	
	Right	4	0	0
	Left-Through-Right		1	
	Left-Right		0	
<b>WESTBOUND</b>	Left	87	1	69
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	119	1	11
	Left-Through-Right		0	
	Left-Right		1	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b> 635 <b>East-West:</b> 100 <b>SUM:</b> 735	
VOLUME/CAPACITY (V/C) RATIO:				0.516
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.416</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE: AMPAS**  
**North-South Street: McCarthy Vista/Carillo | East-West Street: San Vicente Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date: Analyst: Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	110	0	110
	↶↷ Left-Through		1	
	↷ Through	531	0	387
	↷↶ Through-Right		1	
	↷ Right	23	0	387
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	85	0	85
	↷↶ Left-Through		1	
	↷ Through	515	1	343
	↷↶ Through-Right		0	
	↷ Right	67	0	67
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	44	1	44
	↷↶ Left-Through		0	
	↷ Through	706	2	244
	↷↶ Through-Right		1	
	↷ Right	26	0	26
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	43	1	43
	↷↶ Left-Through		0	
	↷ Through	855	2	311
	↷↶ Through-Right		1	
	↷ Right	77	0	77
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		472
		<b>East-West:</b>		355
		<b>SUM:</b>		827
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.551
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.451</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>

### Level of Service Worksheet (Circular 212 Method)



**I/S #:** 31     
 **PROJECT TITLE:** AMPAS  
**North-South Street:** Carillo Drive/Crescent |     
 **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**     
 **Analyst:**     
 **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 2	2
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	504	1	504
	↷↶ Through-Right		0	
	↷ Right	57	1	36
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	0	0	0
	↷↷ Left-Through		0	
	↷ Through	386	0	289
	↷↶ Through-Right		1	
	↷ Right	191	1	0
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	162	1	162
	↶↷ Left-Through		0	
	↶ Through	1122	2	561
	↶↶ Through-Right		0	
	↶ Right	40	1	40
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	42	1	42
	↶↷ Left-Through		0	
	↶ Through	1042	2	521
	↶↶ Through-Right		0	
	↶ Right	15	1	15
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	504
			<b>East-West:</b>	683
			<b>SUM:</b>	1187
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.791		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.691</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>B</b>		





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	12	0	0
	↶↷ Left-Through		0	
	↷ Through	826	2	413
	↷↶ Through-Right		0	
	↷ Right	1	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	110	1	110
	↷↶ Left-Through		0	
	↷ Through	1009	1	531
	↷↶ Through-Right		1	
	↷ Right	53	0	53
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	37	1	37
	↷↶ Left-Through		0	
	↷ Through	710	4	178
	↷↶ Through-Right		0	
	↷ Right	107	1	107
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	1	0	0
	↷↶ Left-Through		0	
	↷ Through	940	2	383
	↷↶ Through-Right		1	
	↷ Right	208	0	208
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		531
		<b>East-West:</b>		420
		<b>SUM:</b>		951
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.667
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.567</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**33**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	39	1	39
	↶↷ Left-Through		0	
	↷ Through	700	1	368
	↷↶ Through-Right		1	
	↷ Right	35	0	35
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	3	0	0
	↷↶ Left-Through		0	
	↷ Through	899	1	563
	↷↶ Through-Right		1	
	↷ Right	226	0	226
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	116	1	116
	↶↷ Left-Through		0	
	↶ Through	1131	2	387
	↶↷ Through-Right		1	
	↶ Right	31	0	31
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	73	1	73
	↷↶ Left-Through		0	
	↷ Through	935	3	312
	↷↶ Through-Right		0	
	↷ Right	20	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		602
		<i>East-West:</i>		460
		<i>SUM:</i>		1062
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.745
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.645</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #: 34

PROJECT TITLE: AMPAS  
 North-South Street: San Vicente Boulevard East-West Street: Olympic Boulevard  
 Scenario: Future with Project with Mitigation (Year 2017)  
 Count Date: Analyst: Date:

		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	154	1	154
	↙↔ Left-Through		0	
	↔ Through	900	2	303
	↔↘ Through-Right		1	
	↘ Right	9	0	9
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>SOUTHBOUND</b>	↙ Left	3	0	0
	↙↔ Left-Through		0	
	↔ Through	836	4	209
	↔↘ Through-Right		0	
	↘ Right	0	0	0
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>EASTBOUND</b>	↙ Left	2	0	0
	↙↔ Left-Through		0	
	↔ Through	999	2	386
	↔↘ Through-Right		1	
	↘ Right	159	0	159
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>WESTBOUND</b>	↙ Left	0	0	0
	↙↔ Left-Through		0	
	↔ Through	890	2	382
	↔↘ Through-Right		1	
	↘ Right	256	0	256
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		363
		<i>East-West:</i>		386
		<i>SUM:</i>		749
VOLUME/CAPACITY (V/C) RATIO:				0.526
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.426</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**35**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: Olympic Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> -- 0	0
		<i>EB</i> -- 0	<i>WB</i> -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	5	0	5
	↶↷ Left-Through		0	
	↷ Through	84	0	118
	↷↶ Through-Right		0	
	↷ Right	29	0	0
	↷↶ Left-Through-Right		1	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	37	0	37
	↷↶ Left-Through		0	
	↷ Through	67	0	145
	↷↶ Through-Right		0	
	↷ Right	41	0	0
	↷↶ Left-Through-Right		1	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	52	1	52
	↷↶ Left-Through		0	
	↷ Through	1094	2	547
	↷↶ Through-Right		0	
	↷ Right	23	1	23
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	20	1	20
	↷↶ Left-Through		0	
	↷ Through	1059	2	530
	↷↶ Through-Right		0	
	↷ Right	32	1	32
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		155
		<i>East-West:</i>		582
		<i>SUM:</i>		737
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.491
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.391</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**36**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Hauser Boulevard      **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	30	1	30
	↙↔ Left-Through		0	
	↔ Through	415	0	465
	↔↘ Through-Right		1	
	↘ Right	50	0	0
	↙↔↘ Left-Through-Right		0	
	↙↘ Left-Right		0	
<b>SOUTHBOUND</b>	↘ Left	50	1	50
	↘↔ Left-Through		0	
	↔ Through	349	0	439
	↔↙ Through-Right		1	
	↙ Right	90	0	0
	↘↔↙ Left-Through-Right		0	
	↘↙ Left-Right		0	
<b>EASTBOUND</b>	↙ Left	128	1	128
	↙↔ Left-Through		0	
	↔ Through	995	2	498
	↔↘ Through-Right		0	
	↘ Right	31	1	16
	↙↔↘ Left-Through-Right		0	
	↙↘ Left-Right		0	
<b>WESTBOUND</b>	↘ Left	45	1	45
	↘↔ Left-Through		0	
	↔ Through	974	2	487
	↔↙ Through-Right		0	
	↙ Right	71	1	46
	↘↔↙ Left-Through-Right		0	
	↘↙ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	515
			<i>East-West:</i>	615
			<b>SUM:</b>	1130
VOLUME/CAPACITY (V/C) RATIO:				0.753
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.653</b>
LEVEL OF SERVICE (LOS):				<b>B</b>



Level of Service Worksheet  
(Circular 212 Method)



I/S #: 37

PROJECT TITLE: AMPAS  
North-South Street: Cochran Avenue East-West Street: Olympic Boulevard  
Scenario: Future with Project with Mitigation (Year 2017)  
Count Date: Analyst: Date:

		FRIDAY MIDDAY PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	23	0	23
	Left-Through		0	
	Through	122	0	210
	Through-Right		0	
	Right	65	0	0
	Left-Through-Right		1	
	Left-Right		0	
SOUTHBOUND	Left	23	0	23
	Left-Through		0	
	Through	82	0	134
	Through-Right		0	
	Right	29	0	0
	Left-Through-Right		1	
	Left-Right		0	
EASTBOUND	Left	30	1	30
	Left-Through		0	
	Through	875	2	438
	Through-Right		0	
	Right	9	1	9
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	36	1	36
	Left-Through		0	
	Through	1052	2	526
	Through-Right		0	
	Right	41	1	41
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		233
		<i>East-West:</i>		556
		<i>SUM:</i>		789
VOLUME/CAPACITY (V/C) RATIO:				0.526
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.426
LEVEL OF SERVICE (LOS):				A



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**38**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Pico Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	149	1	149
	↶↷ Left-Through		0	
	↷ Through	711	2	356
	↷↶ Through-Right		0	
	↷ Right	135	1	85
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	76	1	76
	↷↶ Left-Through		0	
	↷ Through	810	2	405
	↷↶ Through-Right		0	
	↷ Right	66	1	36
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	60	1	60
	↶↷ Left-Through		0	
	↶ Through	806	1	452
	↶↷ Through-Right		1	
	↶ Right	97	0	97
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	101	1	101
	↷↶ Left-Through		0	
	↷ Through	696	1	366
	↷↶ Through-Right		1	
	↷ Right	36	0	36
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		554
		<b>East-West:</b>		553
		<b>SUM:</b>		1107
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.777
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.677</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>

FUTURE WITH PROJECT WITH MITIGATION CONDITIONS - YEAR 2017

**AMPAS Museum**

Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

**FRIDAY MIDDAY PEAK HOUR**

Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	163	0.000	N/S 1: 0.363
	Through	3.00	4,800	1,008	0.257 *	N/S 2: 0.374 *
	Left	1.00	1,600	113	0.074	E/W 1: 0.459 *
Westbound	Right	0.00	0	125	0.000	E/W 2: 0.442
	Through	3.00	4,800	1,191	0.289	V/C Ratio: 0.833
	Left	1.00	1,600	234	0.154 *	Loss Time: 0.100
Northbound	Right	0.00	0	199	0.000	ITS: 0.000
	Through	3.00	4,800	1,121	0.289	ICU: 0.933
	Left	1.00	1,600	178	0.117 *	LOS: E
Eastbound	Right	0.00	0	205	0.000	
	Through	3.00	4,800	1,188	0.305 *	
	Left	1.00	1,600	233	0.153	

\* Critical Movement



# HCM Signalized Intersection Capacity Analysis

## 43: Santa Monica Blvd & Fairfax Ave

8/15/2013



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	136	742	98	282	770	120	130	854	189	95	821	83
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Frt	1.00	0.98		1.00	0.98		1.00	1.00	0.85	1.00	0.99	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2965		1509	2957		1509	3018	1350	1509	2976	
Flt Permitted	0.20	1.00		0.22	1.00		0.17	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	323	2965		346	2957		263	3018	1350	260	2976	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	143	781	103	297	811	126	137	899	199	100	864	87
RTOR Reduction (vph)	0	10	0	0	12	0	0	0	79	0	8	0
Lane Group Flow (vph)	143	874	0	297	925	0	137	899	120	100	944	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	53.5	47.0		54.5	47.5		32.2	25.2	25.2	31.1	24.9	
Effective Green, g (s)	51.5	47.0		52.5	47.5		30.2	25.3	25.3	30.1	25.0	
Actuated g/C Ratio	0.52	0.47		0.52	0.48		0.30	0.25	0.25	0.30	0.25	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	232	1394		251	1405		154	764	342	149	744	
v/s Ratio Prot	0.03	0.29		c0.07	0.31		c0.05	0.30		0.04	c0.32	
v/s Ratio Perm	0.28			c0.55			0.22		0.09	0.16		
v/c Ratio	0.62	0.63		1.18	0.66		0.89	1.18	0.35	0.67	1.27	
Uniform Delay, d1	14.7	19.9		22.0	20.1		31.2	37.4	30.6	28.4	37.5	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.69	0.59	
Incremental Delay, d2	3.4	2.1		115.5	2.4		47.9	92.9	2.8	8.1	130.2	
Delay (s)	18.1	22.1		137.6	22.5		79.1	130.3	33.4	27.8	152.5	
Level of Service	B	C		F	C		E	F	C	C	F	
Approach Delay (s)		21.5			50.2			109.0			140.6	
Approach LOS		C			D			F			F	

### Intersection Summary

HCM Average Control Delay	80.6	HCM Level of Service	F
HCM Volume to Capacity ratio	1.13		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	97.5%	ICU Level of Service	F
Analysis Period (min)	15		
c Critical Lane Group			



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**1**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: Sunset Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	121	1	121
	↵↔ Left-Through		0	
	↔ Through	1043	2	522
	↔↘ Through-Right		0	
	↘ Right	239	1	13
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	71	1	71
	↵↔ Left-Through		0	
	↔ Through	583	2	292
	↔↘ Through-Right		0	
	↘ Right	179	1	47
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	264	1	264
	↵↔ Left-Through		0	
	↔ Through	1306	2	471
	↔↘ Through-Right		1	
	↘ Right	106	0	106
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	226	1	226
	↵↔ Left-Through		0	
	↔ Through	965	2	345
	↔↘ Through-Right		1	
	↘ Right	69	0	69
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		593
		<b>East-West:</b>		697
		<b>SUM:</b>		1290
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.938
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.838</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**3**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Melrose Avenue  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	102	1	102
	↶↷ Left-Through		0	
	↷ Through	1151	2	446
	↷↶ Through-Right		1	
	↷ Right	188	0	188
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	98	1	98
	↷↶ Left-Through		0	
	↷ Through	755	2	296
	↷↶ Through-Right		1	
	↷ Right	132	0	132
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	161	1	161
	↷↶ Left-Through		0	
	↷ Through	1131	1	629
	↷↶ Through-Right		1	
	↷ Right	126	0	126
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	201	1	201
	↷↶ Left-Through		0	
	↷ Through	761	1	439
	↷↶ Through-Right		1	
	↷ Right	117	0	117
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	544
			<b>East-West:</b>	830
			<b>SUM:</b>	1374
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.964
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.864</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**4**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Beverly Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 3	SB --	0
		EB -- 3	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	151	1	151
	↶↷ Left-Through		0	
	↷ Through	1022	2	511
	↷↶ Through-Right		0	
	↷ Right	207	1	13
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	134	1	134
	↷↶ Left-Through		0	
	↷ Through	1006	1	566
	↷↶ Through-Right		1	
	↷ Right	125	0	125
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	114	1	114
	↶↷ Left-Through		0	
	↶ Through	1046	2	523
	↶↶ Through-Right		0	
	↶ Right	96	1	0
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	194	1	194
	↷↶ Left-Through		0	
	↷ Through	997	2	499
	↷↶ Through-Right		0	
	↷ Right	171	1	37
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		717
		<i>East-West:</i>		717
		<i>SUM:</i>		1434
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.043
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.943</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>E</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**5**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boulc **East-West Street:** 3rd Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i>	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0	<i>WB --</i>	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	2	0	0
	↶ Left-Through		0	
	↷ Through	938	1	489
	↷ Through-Right		1	
	↷ Right	39	0	39
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↶ Left	9	0	0
	↶ Left-Through		0	
	↷ Through	682	1	682
	↷ Through-Right		0	
	↷ Right	63	1	63
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	8	0	0
	↶ Left-Through		0	
	↷ Through	1116	1	597
	↷ Through-Right		1	
	↷ Right	77	0	77
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	6	0	0
	↶ Left-Through		0	
	↷ Through	786	1	428
	↷ Through-Right		1	
	↷ Right	70	0	70
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		682
		<i>East-West:</i>		597
		<i>SUM:</i>		1279
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.853
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.753</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**6**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: 3rd Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	92	1	92
	↶ Left-Through		0	
	↷ Through	927	2	464
	↷ Through-Right		0	
	↷ Right	108	1	27
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	189	1	189
	↷ Left-Through		0	
	↷ Through	998	1	584
	↷ Through-Right		1	
	↷ Right	169	0	169
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	212	1	212
	↷ Left-Through		0	
	↷ Through	982	1	532
	↷ Through-Right		1	
	↷ Right	82	0	82
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	162	1	162
	↶ Left-Through		0	
	↷ Through	700	2	350
	↷ Through-Right		0	
	↷ Right	230	1	41
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		676
		<i>East-West:</i>		694
		<i>SUM:</i>		1370
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.996
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.896</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**7**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Martel Avenue/Hauser Blvd **East-West Street:** 3rd Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	197	1	197
	↶↷ Left-Through		0	
	↷ Through	351	1	351
	↷↶ Through-Right		0	
	↷ Right	127	1	76
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	21	0	21
	↷↷ Left-Through		0	
	↷ Through	348	0	405
	↷↶ Through-Right		0	
	↷ Right	36	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	28	1	28
	↷↷ Left-Through		0	
	↷ Through	1111	1	666
	↷↶ Through-Right		1	
	↷ Right	221	0	221
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	102	1	102
	↶↷ Left-Through		0	
	↶ Through	1108	1	582
	↶↶ Through-Right		1	
	↶ Right	56	0	56
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		602
		<b>East-West:</b>		768
		<b>SUM:</b>		1370
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.913		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.813</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>D</b>		



# Level of Service Worksheet (Circular 212 Method)



I/S #: **8**

PROJECT TITLE: AMPAS

North-South Street: Cochran Avenue/Alta V     East-West Street: 3rd Street

Scenario: Future with Project with Mitigation (Year 2017)

Count Date:

Analyst:

Date:

		FRIDAY PM PEAK HOUR		
				2
No. of Phases				0
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	111	0	111
	↔ Left-Through		0	
	→ Through	179	0	438
	↘ Through-Right		0	
	↘ Right	148	0	0
	↘↔ Left-Through-Right		1	
	↘↔ Left-Right		0	
<b>SOUTHBOUND</b>	↙ Left	34	0	34
	↔ Left-Through		0	
	→ Through	123	0	173
	↘ Through-Right		0	
	↘ Right	16	0	0
	↘↔ Left-Through-Right		1	
	↘↔ Left-Right		0	
<b>EASTBOUND</b>	↙ Left	11	1	11
	↔ Left-Through		0	
	→ Through	1177	1	612
	↘ Through-Right		1	
	↘ Right	46	0	46
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>WESTBOUND</b>	↙ Left	55	1	55
	↔ Left-Through		0	
	→ Through	1101	1	563
	↘ Through-Right		1	
	↘ Right	24	0	24
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		472
		<b>East-West:</b>		667
		<b>SUM:</b>		1139
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.759
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.659</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>





## Level of Service Worksheet (Circular 212 Method)



I/S #: **9**

**PROJECT TITLE: AMPAS**  
**North-South Street: La Brea Avenue**      **East-West Street: 3rd Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↶	184	1	184
	↶→		0	
	→	1659	2	591
	→↷		1	
	↷	113	0	113
	↶↷		0	
	↷↶		0	
SOUTHBOUND	↷	101	1	101
	↷↶		0	
	↶	1402	2	498
	↶↷		1	
	↷	91	0	91
	↷↶		0	
	↶↷		0	
EASTBOUND	↷	102	1	102
	↷↶		0	
	↶	1073	2	537
	↶↷		0	
	↷	152	1	60
	↷↶		0	
	↶↷		0	
WESTBOUND	↷	137	1	137
	↷↶		0	
	↶	950	1	524
	↶↷		1	
	↷	97	0	97
	↷↶		0	
	↶↷		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		692
		<b>East-West:</b>		674
		<b>SUM:</b>		1366
VOLUME/CAPACITY (V/C) RATIO:				0.993
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.893</b>
LEVEL OF SERVICE (LOS):				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**10**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Colgate Avenue  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	20	1	20
	↶↷ Left-Through		0	
	↷ Through	1228	1	667
	↷↶ Through-Right		1	
	↷ Right	106	0	106
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	61	1	61
	↷↶ Left-Through		0	
	↷ Through	1217	1	616
	↷↶ Through-Right		1	
	↷ Right	14	0	14
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	16	0	16
	↷↶ Left-Through		0	
	↷ Through	119	0	163
	↷↶ Through-Right		0	
	↷ Right	28	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	114	0	114
	↶↷ Left-Through		0	
	↶ Through	31	0	167
	↶↶ Through-Right		0	
	↶ Right	22	0	0
	↶↷ Left-Through-Right		1	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		728
		<i>East-West:</i>		277
		<i>SUM:</i>		1005
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.670
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.570</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:** 12     
 **PROJECT TITLE:** AMPAS  
**North-South Street:** San Vicente Boulevard     
 **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**     
 **Analyst:**     
 **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 3	3
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	3	0	0
	↙ Left-Through		0	
	→ Through	1096	2	389
	↘ Through-Right		1	
	→ Right	71	0	71
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
<b>SOUTHBOUND</b>	↙ Left	475	1	475
	↙ Left-Through		0	
	→ Through	1304	3	435
	↘ Through-Right		0	
	→ Right	0	0	0
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
<b>EASTBOUND</b>	↙ Left	0	0	0
	↙ Left-Through		0	
	→ Through	0	0	0
	↘ Through-Right		0	
	→ Right	0	0	0
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
<b>WESTBOUND</b>	↙ Left	92	0	92
	↙ Left-Through		1	
	→ Through	0	0	92
	↘ Through-Right		0	
	→ Right	237	1	0
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		864
		<b>East-West:</b>		92
		<b>SUM:</b>		956
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.671
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.571</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**12**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boulc **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↵ Left	1	0	0
	↵↘ Left-Through		0	
	↘ Through	930	1	495
	↘↗ Through-Right		1	
	↗ Right	60	0	60
	↗↘ Left-Through-Right		0	
	↗↘↗ Left-Right		0	
SOUTHBOUND	↘ Left	5	0	0
	↘↗ Left-Through		0	
	↘ Through	733	1	380
	↘↗ Through-Right		1	
	↗ Right	27	0	27
	↗↘ Left-Through-Right		0	
	↗↘↗ Left-Right		0	
EASTBOUND	↘ Left	45	0	45
	↘↗ Left-Through		0	
	↘ Through	402	0	506
	↘↗ Through-Right		0	
	↗ Right	59	0	0
	↗↘ Left-Through-Right		1	
	↗↘↗ Left-Right		0	
WESTBOUND	↗ Left	63	0	63
	↗↘ Left-Through		0	
	↗ Through	303	0	472
	↗↘ Through-Right		0	
	↘ Right	106	0	0
	↘↗ Left-Through-Right		1	
	↘↗↘ Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		495
		<i>East-West:</i>		569
		<i>SUM:</i>		1064
VOLUME/CAPACITY (V/C) RATIO:				0.709
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.609</b>
LEVEL OF SERVICE (LOS):				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	23	1	23
	↶↷ Left-Through		0	
	↷ Through	1015	2	508
	↷↶ Through-Right		0	
	↷ Right	323	1	323
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	182	1	182
	↷↶ Left-Through		0	
	↷ Through	1200	1	624
	↷↶ Through-Right		1	
	↷ Right	48	0	48
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	29	1	29
	↷↶ Left-Through		0	
	↷ Through	476	0	485
	↷↶ Through-Right		1	
	↷ Right	9	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	234	2	129
	↷↶ Left-Through		0	
	↷ Through	429	1	429
	↷↶ Through-Right		0	
	↷ Right	266	1	175
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		690
		<b>East-West:</b>		614
		<b>SUM:</b>		1304
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.915
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.815</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #: **14**

**PROJECT TITLE: AMPAS**  
**North-South Street: Odgen Drive/Project Dv East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date: Analyst: Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	149	0	149
	↶↷ Left-Through		0	
	↷ Through	0	0	0
	↷↶ Through-Right		0	
	↷ Right	123	0	272
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		1	
<b>SOUTHBOUND</b>	↷ Left	9	0	9
	↷↶ Left-Through		0	
	↷ Through	1	0	0
	↷↶ Through-Right		0	
	↷ Right	17	0	26
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		1	
<b>EASTBOUND</b>	↶ Left	19	1	19
	↶↷ Left-Through		0	
	↶ Through	917	1	486
	↶↷ Through-Right		1	
	↶ Right	54	0	54
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	22	1	22
	↷↶ Left-Through		0	
	↷ Through	766	1	387
	↷↶ Through-Right		1	
	↷ Right	7	0	7
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	281
			<i>East-West:</i>	508
			<b>SUM:</b>	789
VOLUME/CAPACITY (V/C) RATIO:				0.526
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.426</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #: **15**

PROJECT TITLE: AMPAS

North-South Street: Curson Avenue

East-West Street: 6th Street

Scenario: Future with Project with Mitigation (Year 2017)

Count Date:

Analyst:

Date:

MOVEMENT		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
		<b>No. of Phases</b>		<b>2</b>
		<b>Opposed Ø'ing: N/S-1, E/W-2 or Both-3?</b>		<b>0</b>
		<b>Right Turns: FREE-1, NRTOR-2 or OLA-3?</b>		<b>0</b>
		<b>ATSAC-1 or ATSAC+ATCS-2?</b>		<b>2</b>
		<b>Override Capacity</b>		<b>0</b>
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↶ Left	143	1	143
	↶↻ Left-Through		0	
	↷ Through	118	0	364
	↷↻ Through-Right		1	
	↷ Right	246	0	0
	↷↻ Left-Through-Right		0	
	↷↻ Left-Right		0	
SOUTHBOUND	↷ Left	37	1	37
	↷↻ Left-Through		0	
	↶ Through	62	0	95
	↶↻ Through-Right		1	
	↶ Right	33	0	0
	↶↻ Left-Through-Right		0	
	↶↻ Left-Right		0	
EASTBOUND	↷ Left	67	1	67
	↷↻ Left-Through		0	
	↶ Through	930	1	494
	↶↻ Through-Right		1	
	↶ Right	57	0	57
	↶↻ Left-Through-Right		0	
	↶↻ Left-Right		0	
WESTBOUND	↶ Left	87	1	87
	↶↻ Left-Through		0	
	↷ Through	616	1	346
	↷↻ Through-Right		1	
	↷ Right	76	0	76
	↷↻ Left-Through-Right		0	
	↷↻ Left-Right		0	
CRITICAL VOLUMES		<b>North-South:</b>		401
		<b>East-West:</b>		581
		<b>SUM:</b>		982
VOLUME/CAPACITY (V/C) RATIO:				0.655
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.555</b>
LEVEL OF SERVICE (LOS):				<b>A</b>

**Level of Service Worksheet  
(Circular 212 Method)**



I/S #: **16**

PROJECT TITLE: **AMPAS**  
 North-South Street: **Hauser Boulevard** East-West Street: **6th Street**  
 Scenario: **Future with Project with Mitigation (Year 2017)**  
 Count Date: \_\_\_\_\_ Analyst: \_\_\_\_\_ Date: \_\_\_\_\_

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> --	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB</i> -- 0	<i>WB</i> --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	50	1	50
	Left-Through		0	
	Through	514	0	546
	Through-Right		1	
	Right	32	0	0
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	43	1	43
	Left-Through		0	
	Through	379	1	379
	Through-Right		0	
	Right	68	1	68
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	23	0	0
	Left-Through		0	
	Through	1274	1	682
	Through-Right		1	
	Right	89	0	89
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	3	0	0
	Left-Through		0	
	Through	661	1	363
	Through-Right		1	
	Right	65	0	65
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		589
		<i>East-West:</i>		682
		<i>SUM:</i>		1271
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.847
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.747</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE: AMPAS**  
**North-South Street: Burnside Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	20	0	20
	↶↷ Left-Through		0	
	↷ Through	83	0	164
	↷↶ Through-Right		0	
	↷ Right	61	0	0
	↷↶ Left-Through-Right		1	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	53	0	53
	↷↶ Left-Through		1	
	↷ Through	46	0	99
	↷↶ Through-Right		0	
	↷ Right	15	1	15
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	86	0	86
	↷↶ Left-Through		1	
	↷ Through	1266	0	816
	↷↶ Through-Right		1	
	↷ Right	22	0	816
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	37	0	37
	↶↷ Left-Through		1	
	↶ Through	691	0	519
	↶↷ Through-Right		1	
	↶ Right	125	0	519
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		217
		<i>East-West:</i>		853
		<i>SUM:</i>		1070
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.713
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.613</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



### Level of Service Worksheet (Circular 212 Method)



I/S #: 18

PROJECT TITLE: AMPAS  
North-South Street: Cochran Avenue East-West Street: 6th Street  
Scenario: Future with Project with Mitigation (Year 2017)  
Count Date: Analyst: Date:

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	25	0	25
	Left-Through		0	
	Through	261	0	339
	Through-Right		0	
	Right	53	0	0
	Left-Through-Right		1	
	Left-Right		0	
SOUTHBOUND	Left	16	0	16
	Left-Through		0	
	Through	134	0	198
	Through-Right		0	
	Right	48	0	0
	Left-Through-Right		1	
	Left-Right		0	
EASTBOUND	Left	159	0	159
	Left-Through		1	
	Through	1223	0	955
	Through-Right		1	
	Right	51	0	955
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	27	0	27
	Left-Through		1	
	Through	739	0	465
	Through-Right		1	
	Right	28	0	465
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		North-South:		355
		East-West:		982
		SUM:		1337
VOLUME/CAPACITY (V/C) RATIO:		0.891		
V/C LESS ATSAC/ATCS ADJUSTMENT:		0.791		
LEVEL OF SERVICE (LOS):		C		

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**19**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
		No. of Phases		2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?			0	0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↯	69	1	69
	↯↷		0	
	↷	1736	2	596
	↯↷		1	
	↷	51	0	51
	↯↷↷		0	
	↷↷		0	
SOUTHBOUND	↷	76	1	76
	↷↷		0	
	↷	1552	2	541
	↷↷		1	
	↷	71	0	71
	↷↷↷		0	
	↷↷		0	
EASTBOUND	↷	7	0	0
	↷↷		0	
	↷	1141	1	605
	↷↷		1	
	↷	68	0	68
	↷↷↷		0	
	↷↷		0	
WESTBOUND	↷	3	0	0
	↷↷		0	
	↷	631	1	359
	↷↷		1	
	↷	86	0	86
	↷↷↷		0	
	↷↷		0	
CRITICAL VOLUMES			North-South:	672
			East-West:	605
			SUM:	1277
VOLUME/CAPACITY (V/C) RATIO:				0.851
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.751</b>
LEVEL OF SERVICE (LOS):				<b>C</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**21**

**PROJECT TITLE:** AMPAS  
**North-South Street:** San Vicente Boulevard     **East-West Street:** Wilshire Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**     **Analyst:**     **Date:**

			FRIDAY PM PEAK HOUR		
			No. of Phases	NB --	SB --
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?			0	0	4
Right Turns: FREE-1, NRTOR-2 or OLA-3?			0	0	0
ATSAC-1 or ATSAC+ATCS-2?					2
Override Capacity					0
MOVEMENT			Volume	No. of Lanes	Lane Volume
NORTHBOUND	↷	Left	326	2	179
		Left-Through		0	
	↷	Through	781	2	270
		Through-Right		1	
	↷	Right	30	0	30
		Left-Through-Right		0	
	↷	Left-Right		0	
SOUTHBOUND	↸	Left	299	2	164
		Left-Through		0	
	↸	Through	1074	3	358
		Through-Right		0	
	↸	Right	134	0	0
		Left-Through-Right		0	
	↸	Left-Right		0	
EASTBOUND	↷	Left	66	1	66
		Left-Through		0	
	↷	Through	1458	2	566
		Through-Right		1	
	↷	Right	241	0	241
		Left-Through-Right		0	
	↷	Left-Right		0	
WESTBOUND	↸	Left	41	1	41
		Left-Through		0	
	↸	Through	1099	2	450
		Through-Right		1	
	↸	Right	252	0	252
		Left-Through-Right		0	
	↸	Left-Right		0	
CRITICAL VOLUMES			<b>North-South:</b>		537
			<b>East-West:</b>		607
			<b>SUM:</b>		1144
VOLUME/CAPACITY (V/C) RATIO:					0.832
V/C LESS ATSAC/ATCS ADJUSTMENT:					<b>0.732</b>
LEVEL OF SERVICE (LOS):					<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**22**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Crescent Heights Boul East-West Street: Wilshire Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
		No. of Phases		2
		Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0
		Right Turns: FREE-1, NRTOR-2 or OLA-3?		0
		ATSAC-1 or ATSAC+ATCS-2?		2
		Override Capacity		0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	692	1	407
	↷↶ Through-Right		1	
	↷ Right	122	0	122
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	112	0	112
	↷↶ Left-Through		1	
	↷ Through	611	0	576
	↷↶ Through-Right		1	
	↷ Right	92	0	576
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	181	1	181
	↷↶ Left-Through		0	
	↷ Through	1752	2	624
	↷↶ Through-Right		1	
	↷ Right	120	0	120
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	93	1	93
	↶↷ Left-Through		0	
	↶ Through	1154	2	419
	↶↷ Through-Right		1	
	↶ Right	102	0	102
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		576
		<i>East-West:</i>		717
		<b>SUM:</b>		1293
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.862
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.762</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**23**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	3
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	126	1	126
	↶↷ Left-Through		0	
	↷ Through	838	1	460
	↷↶ Through-Right		1	
	↷ Right	81	0	81
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	178	1	178
	↷↶ Left-Through		0	
	↷ Through	1020	2	510
	↷↶ Through-Right		0	
	↷ Right	239	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	297	1	297
	↷↶ Left-Through		0	
	↷ Through	1615	2	586
	↷↶ Through-Right		1	
	↷ Right	143	0	143
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	111	1	111
	↷↶ Left-Through		0	
	↷ Through	1012	2	401
	↷↶ Through-Right		1	
	↷ Right	192	0	192
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		638
		<b>East-West:</b>		698
		<b>SUM:</b>		1336
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.972
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.872</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>

### Level of Service Worksheet (Circular 212 Method)



I/S #: **24**

PROJECT TITLE: AMPAS  
 North-South Street: Spaulding Avenue East-West Street: Wilshire Boulevard  
 Scenario: Future with Project with Mitigation (Year 2017)  
 Count Date: Analyst: Date:

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0
		NB -- 0 EB -- 0	SB -- WB --	
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	70	0	70
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	90	0	160
	Left-Through-Right		0	
	Left-Right		1	
SOUTHBOUND	Left	0	0	0
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	0	0	0
	Left-Through		0	
	Through	1861	2	637
	Through-Right		1	
	Right	51	0	51
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	40	1	40
	Left-Through		0	
	Through	1262	3	421
	Through-Right		0	
	Right	0	0	0
	Left-Through-Right		0	
	Left-Right		0	
<b>CRITICAL VOLUMES</b>				North-South: 160 East-West: 677 SUM: 837
VOLUME/CAPACITY (V/C) RATIO:				0.558
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.458</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**25**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	63	0	63
	↶↷ Left-Through		0	
	↷ Through	194	0	395
	↷↶ Through-Right		0	
	↷ Right	138	0	0
	↷↶↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	83	0	83
	↷↶ Left-Through		0	
	↷ Through	215	0	434
	↷↶ Through-Right		0	
	↷ Right	136	0	0
	↷↶↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	146	1	146
	↶↷ Left-Through		0	
	↶ Through	1808	2	619
	↶↷ Through-Right		1	
	↶ Right	48	0	48
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	38	1	38
	↷↶ Left-Through		0	
	↷ Through	1074	2	360
	↷↶ Through-Right		1	
	↷ Right	6	0	6
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		497
		<i>East-West:</i>		657
		<b>SUM:</b>		1154
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.769
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.669</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>





## Level of Service Worksheet (Circular 212 Method)



I/S #: 26

PROJECT TITLE: AMPAS  
 North-South Street: Hauser Boulevard East-West Street: Wilshire Boulevard  
 Scenario: Future with Project with Mitigation (Year 2017)  
 Count Date: Analyst: Date:

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0
		NB -- 0 EB -- 0	SB -- WB --	0 0 0 0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	51	1	51
	↗ Left-Through		0	
	→ Through	426	1	426
	↘ Through-Right		0	
	↗ Right	144	1	111
	↘ Left-Through-Right		0	
	↗ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	56	1	56
	↗ Left-Through		0	
	→ Through	366	0	411
	↘ Through-Right		1	
	↗ Right	45	0	0
	↘ Left-Through-Right		0	
	↗ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	116	1	116
	↗ Left-Through		0	
	→ Through	1884	2	672
	↘ Through-Right		1	
	↗ Right	131	0	131
	↘ Left-Through-Right		0	
	↗ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	66	1	66
	↗ Left-Through		0	
	→ Through	1050	2	374
	↘ Through-Right		1	
	↗ Right	73	0	73
	↘ Left-Through-Right		0	
	↗ Left-Right		0	
<b>CRITICAL VOLUMES</b>				North-South: 482 East-West: 738 SUM: 1220
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.813
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				0.713
<b>LEVEL OF SERVICE (LOS):</b>				C



# Level of Service Worksheet (Circular 212 Method)



I/S #: **27**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue**      **East-West Street: Wilshire Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	31	0	31
	Left-Through		0	
	Through	239	0	298
	Through-Right		0	
	Right	28	0	0
	Left-Through-Right		1	
	Left-Right		0	
SOUTHBOUND	Left	26	0	26
	Left-Through		0	
	Through	158	0	268
	Through-Right		0	
	Right	84	0	0
	Left-Through-Right		1	
	Left-Right		0	
EASTBOUND	Left	57	1	57
	Left-Through		0	
	Through	1822	2	624
	Through-Right		1	
	Right	51	0	51
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	37	1	37
	Left-Through		0	
	Through	1253	2	432
	Through-Right		1	
	Right	42	0	42
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES			North-South:	324
			East-West:	661
			SUM:	985
VOLUME/CAPACITY (V/C) RATIO:				0.657
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.557
LEVEL OF SERVICE (LOS):				A



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**28**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	142	1	142
	↶↷ Left-Through		0	
	↷ Through	1423	2	518
	↷↶ Through-Right		1	
	↷ Right	131	0	131
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	100	1	100
	↷↶ Left-Through		0	
	↷ Through	1349	2	503
	↷↶ Through-Right		1	
	↷ Right	160	0	160
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	251	1	251
	↷↶ Left-Through		0	
	↷ Through	1354	2	507
	↷↶ Through-Right		1	
	↷ Right	166	0	166
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	220	1	220
	↷↶ Left-Through		0	
	↷ Through	1042	2	399
	↷↶ Through-Right		1	
	↷ Right	155	0	155
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	645
			<i>East-West:</i>	727
			<b>SUM:</b>	1372
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.998
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.898</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**29**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 8th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	875	1	473
	↷↶ Through-Right		1	
	↷ Right	71	0	71
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	327	1	327
	↷↶ Left-Through		0	
	↷ Through	1027	2	514
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	1	0	1
	↷↶ Left-Through		0	
	↷ Through	138	0	146
	↷↶ Through-Right		0	
	↷ Right	7	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	101	1	68
	↷↶ Left-Through		0	
	↷ Through	1	0	0
	↷↶ Through-Right		0	
	↷ Right	104	1	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		1	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		800
		<i>East-West:</i>		214
		<i>SUM:</i>		1014
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.712
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.612</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	76	0	76
	↶↷ Left-Through		1	
	↷ Through	599	0	467
	↷↶ Through-Right		1	
	↷ Right	31	0	467
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	93	0	93
	↷↶ Left-Through		1	
	↷ Through	698	1	535
	↷↶ Through-Right		0	
	↷ Right	56	0	56
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	134	1	134
	↷↶ Left-Through		0	
	↷ Through	1012	2	376
	↷↶ Through-Right		1	
	↷ Right	116	0	116
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	27	1	27
	↷↶ Left-Through		0	
	↷ Through	847	2	325
	↷↶ Through-Right		1	
	↷ Right	127	0	127
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		611
		<b>East-West:</b>		459
		<b>SUM:</b>		1070
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.713
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.613</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**31**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Carillo Drive/Crescent I **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 2	2
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	3	0	0
	↶↷ Left-Through		0	
	↷ Through	465	1	465
	↷↶ Through-Right		0	
	↷ Right	54	1	22
	↷↷ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	2	0	0
	↷↷ Left-Through		0	
	↷ Through	634	0	428
	↷↶ Through-Right		1	
	↷ Right	222	1	0
	↷↷ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	116	1	116
	↷↷ Left-Through		0	
	↷ Through	1987	2	669
	↷↶ Through-Right		1	
	↷ Right	20	0	20
	↷↷ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	65	1	65
	↷↷ Left-Through		0	
	↷ Through	1105	2	374
	↷↶ Through-Right		1	
	↷ Right	16	0	16
	↷↷ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		465
		<i>East-West:</i>		734
		<b>SUM:</b>		1199
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.799
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.699</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	15	0	0
	↶↷ Left-Through		0	
	↷ Through	750	2	375
	↷↶ Through-Right		0	
	↷ Right	4	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	93	1	93
	↷↶ Left-Through		0	
	↷ Through	1030	1	534
	↷↶ Through-Right		1	
	↷ Right	38	0	38
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	29	1	29
	↷↶ Left-Through		0	
	↷ Through	1034	4	259
	↷↶ Through-Right		0	
	↷ Right	87	1	87
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↶ Through	973	2	391
	↶↶ Through-Right		1	
	↶ Right	199	0	199
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		534
		<b>East-West:</b>		420
		<b>SUM:</b>		954
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.669
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.569</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**33**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	32	1	32
	↶↷ Left-Through		0	
	↷ Through	641	1	347
	↷↶ Through-Right		1	
	↷ Right	52	0	52
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	0	0	0
	↷↶ Left-Through		0	
	↷ Through	900	1	565
	↷↶ Through-Right		1	
	↷ Right	229	0	229
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	111	1	111
	↶↷ Left-Through		0	
	↶ Through	1905	2	641
	↶↷ Through-Right		1	
	↶ Right	19	0	19
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	67	1	67
	↷↶ Left-Through		0	
	↷ Through	1064	3	355
	↷↶ Through-Right		0	
	↷ Right	17	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		597
		<i>East-West:</i>		708
		<i>SUM:</i>		1305
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.916
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.816</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
34

**PROJECT TITLE:** AMPAS  
**North-South Street:** San Vicente Boulevard      **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?				0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
		<b>NB --</b>		0
		<b>SB --</b>		0
		<b>EB --</b>		0
		<b>WB --</b>		0
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↖	137	1	137
	↖↔		0	
	↔	911	2	305
	↔↗		1	
	↗	5	0	5
	↖↗		0	
	↖↗↔		0	
SOUTHBOUND	↗	3	0	0
	↗↔		0	
	↔	1143	4	286
	↔↖		0	
	↖	0	0	0
	↗↖		0	
	↗↖↔		0	
EASTBOUND	↖	0	0	0
	↖↔		0	
	↔	1674	2	659
	↔↗		1	
	↗	303	0	303
	↖↗		0	
	↖↗↔		0	
WESTBOUND	↗	0	0	0
	↗↔		0	
	↔	1072	2	444
	↔↖		1	
	↖	259	0	259
	↗↖		0	
	↗↖↔		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		423
		<b>East-West:</b>		659
		<b>SUM:</b>		1082
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.759
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.659</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**35**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	6	0	6
	↶↷ Left-Through		0	
	↷ Through	114	0	194
	↷↶ Through-Right		0	
	↷ Right	74	0	0
	↷↶↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	121	0	121
	↷↶ Left-Through		0	
	↷ Through	264	0	463
	↷↶ Through-Right		0	
	↷ Right	78	0	0
	↷↶↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	49	1	49
	↷↶ Left-Through		0	
	↷ Through	1830	2	616
	↷↶ Through-Right		1	
	↷ Right	18	0	18
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	52	1	52
	↶↷ Left-Through		0	
	↶ Through	1212	2	414
	↶↷ Through-Right		1	
	↶ Right	29	0	29
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		469
		<i>East-West:</i>		668
		<i>SUM:</i>		1137
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.758
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.658</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**36**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Hauser Boulevard      **East-West Street:** Olympic Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	26	1	26
	↙↔ Left-Through		0	
	↔ Through	500	0	575
	↔↘ Through-Right		1	
	↘ Right	75	0	0
	↙↔↘ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>SOUTHBOUND</b>	↘ Left	87	1	87
	↘↔ Left-Through		0	
	↔ Through	534	0	583
	↔↙ Through-Right		1	
	↙ Right	49	0	0
	↘↔↙ Left-Through-Right		0	
	↙↔ Left-Right		0	
<b>EASTBOUND</b>	↘ Left	93	1	93
	↘↔ Left-Through		0	
	↔ Through	1948	2	664
	↔↙ Through-Right		1	
	↙ Right	45	0	45
	↘↔↙ Left-Through-Right		0	
	↙↔ Left-Right		0	
<b>WESTBOUND</b>	↙ Left	69	1	69
	↙↔ Left-Through		0	
	↔ Through	1168	2	408
	↔↘ Through-Right		1	
	↘ Right	57	0	57
	↙↔↘ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		662
		<b>East-West:</b>		733
		<b>SUM:</b>		1395
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.930
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.830</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



### Level of Service Worksheet (Circular 212 Method)



I/S #: **37**

PROJECT TITLE: AMPAS  
 North-South Street: Cochran Avenue East-West Street: Olympic Boulevard  
 Scenario: Future with Project with Mitigation (Year 2017)  
 Count Date: Analyst: Date:

		FRIDAY PM PEAK HOUR		
		No. of Phases		
		Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		2
		Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB -- 0 SB -- 0	0
		ATSAC-1 or ATSAC+ATCS-2?	EB -- 0 WB -- 0	0
		Override Capacity		2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	22	0	22
	Left-Through		0	
	Through	165	0	261
	Through-Right		0	
	Right	74	0	0
	Left-Through-Right		1	
	Left-Right		0	
SOUTHBOUND	Left	56	0	56
	Left-Through		0	
	Through	178	0	258
	Through-Right		0	
	Right	24	0	0
	Left-Through-Right		1	
	Left-Right		0	
EASTBOUND	Left	30	1	30
	Left-Through		0	
	Through	1866	2	630
	Through-Right		1	
	Right	24	0	24
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	62	1	62
	Left-Through		0	
	Through	1180	2	405
	Through-Right		1	
	Right	36	0	36
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES			North-South: 317	
			East-West: 692	
			SUM: 1009	
VOLUME/CAPACITY (V/C) RATIO:				0.673
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.573
LEVEL OF SERVICE (LOS):				A



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**38**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Pico Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	156	1	156
	↶ Left-Through		0	
	↷ Through	649	2	325
	↷ Through-Right		0	
	↷ Right	158	1	122
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	71	1	71
	↷ Left-Through		0	
	↷ Through	766	2	383
	↷ Through-Right		0	
	↷ Right	41	1	12
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	59	1	59
	↶ Left-Through		0	
	↷ Through	1347	1	718
	↷ Through-Right		1	
	↷ Right	89	0	89
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	73	1	73
	↶ Left-Through		0	
	↷ Through	727	1	382
	↷ Through-Right		1	
	↷ Right	36	0	36
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		539
		<i>East-West:</i>		791
		<i>SUM:</i>		1330
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.933
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.833</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>

## FUTURE WITH PROJECT WITH MITIGATION CONDITIONS - YEAR 2017

**AMPAS Museum**

## Intersection Capacity Utilization Analysis

**20. LA CIENEGA BOULEVARD & WILSHIRE BOULEVARD**

Through Lane Capacity:	1600 vph	North/South Split Phase:	N
Left-Turn Lane Capacity:	1600 vph	E/W Split Phase:	N
Double-Left Penalty:	20 %	Peak Hour Factor:	0.950
Right-Turn on Red:	50 %	Loss Time % per Cycle:	10%
Overlapping Right Turn:		ITS Percentage:	

**FRIDAY PM PEAK HOUR**

Approach	Movement	Lanes	Capacity	Volume	V/C	ICU Analysis
Southbound	Right	0.00	0	149	0.000	N/S 1: 0.417 *
	Through	3.00	4,800	1,107	0.275	N/S 2: 0.372
	Left	1.00	1,600	194	0.128 *	E/W 1: 0.519 *
Westbound	Right	0.00	0	124	0.000	E/W 2: 0.441
	Through	3.00	4,800	1,357	0.325	V/C Ratio: 0.936
	Left	1.00	1,600	263	0.173 *	Loss Time: 0.100
Northbound	Right	0.00	0	222	0.000	ITS: 0.000
	Through	3.00	4,800	1,097	0.289 *	ICU: 1.036
	Left	1.00	1,600	147	0.097	LOS: F
Eastbound	Right	0.00	0	130	0.000	
	Through	3.00	4,800	1,449	0.346 *	
	Left	1.00	1,600	177	0.116	

\* Critical Movement

# HCM Signalized Intersection Capacity Analysis

## 43: Santa Monica Blvd & Fairfax Ave

9/5/2013



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (vph)	253	1140	100	205	812	126	101	926	242	100	781	96
Ideal Flow (vphpl)	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620	1620
Total Lost time (s)	4.0	4.0		4.0	4.0		4.0	4.0	4.0	4.0	4.0	
Lane Util. Factor	1.00	0.95		1.00	0.95		1.00	0.95	1.00	1.00	0.95	
Frt	1.00	0.99		1.00	0.98		1.00	1.00	0.85	1.00	0.98	
Flt Protected	0.95	1.00		0.95	1.00		0.95	1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1509	2981		1509	2957		1509	3018	1350	1509	2968	
Flt Permitted	0.18	1.00		0.09	1.00		0.17	1.00	1.00	0.16	1.00	
Satd. Flow (perm)	285	2981		138	2957		263	3018	1350	260	2968	
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	266	1200	105	216	855	133	106	975	255	105	822	101
RTOR Reduction (vph)	0	6	0	0	12	0	0	0	93	0	10	0
Lane Group Flow (vph)	266	1299	0	216	976	0	106	975	162	105	913	0
Turn Type	pm+pt			pm+pt			pm+pt		Perm	pm+pt		
Protected Phases	5	2		1	6		3	8		7	4	
Permitted Phases	2			6			8		8	4		
Actuated Green, G (s)	54.0	47.0		54.0	47.0		32.2	25.2	25.2	31.1	24.9	
Effective Green, g (s)	52.0	47.0		52.0	47.0		30.2	25.3	25.3	30.1	25.0	
Actuated g/C Ratio	0.52	0.47		0.52	0.47		0.30	0.25	0.25	0.30	0.25	
Clearance Time (s)	3.0	4.0		3.0	4.0		3.0	4.1	4.1	3.5	4.1	
Vehicle Extension (s)	1.0	0.2		1.0	0.2		1.0	5.0	5.0	1.0	5.0	
Lane Grp Cap (vph)	222	1401		154	1390		154	764	342	149	742	
v/s Ratio Prot	0.07	0.44		c0.08	0.33		c0.04	c0.32		0.04	0.31	
v/s Ratio Perm	0.55			c0.64			0.17		0.12	0.17		
v/c Ratio	1.20	0.93		1.40	0.70		0.69	1.28	0.47	0.70	1.23	
Uniform Delay, d1	21.6	24.9		22.4	21.0		28.4	37.4	31.7	28.5	37.5	
Progression Factor	1.00	1.00		1.00	1.00		1.00	1.00	1.00	0.71	0.59	
Incremental Delay, d2	124.3	12.0		215.4	3.0		22.3	134.4	4.6	10.6	114.4	
Delay (s)	146.0	36.8		237.8	23.9		50.7	171.7	36.3	30.7	136.6	
Level of Service	F	D		F	C		D	F	D	C	F	
Approach Delay (s)		55.3			62.3			136.3			125.7	
Approach LOS		E			E			F			F	

### Intersection Summary

HCM Average Control Delay	92.1	HCM Level of Service	F
HCM Volume to Capacity ratio	1.24		
Actuated Cycle Length (s)	100.0	Sum of lost time (s)	12.0
Intersection Capacity Utilization	103.9%	ICU Level of Service	G
Analysis Period (min)	15		
c Critical Lane Group			



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY AM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	36	1	36
	↶↷ Left-Through		0	
	↷ Through	768	2	384
	↷↶ Through-Right		0	
	↷ Right	95	1	95
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	203	1	203
	↷↶ Left-Through		0	
	↷ Through	1198	1	629
	↷↶ Through-Right		1	
	↷ Right	60	0	60
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	16	1	16
	↷↶ Left-Through		0	
	↷ Through	261	0	277
	↷↶ Through-Right		1	
	↷ Right	16	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	321	2	177
	↶↷ Left-Through		0	
	↶ Through	471	1	471
	↶↷ Through-Right		0	
	↶ Right	521	1	420
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		665
		<i>East-West:</i>		487
		<i>SUM:</i>		1152
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.808
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.708</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** 6th Street  
**Scenario:** Existing with Project Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY AM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<b>NB --</b> 0	<b>SB --</b>	0
ATSAC-1 or ATSAC+ATCS-2?		<b>EB --</b> 0	<b>WB --</b>	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↖ Left	87	1	87
	↖↗ Left-Through		0	
	↗ Through	35	0	91
	↗↘ Through-Right		1	
	↘ Right	56	0	0
	↘↗ Left-Through-Right		0	
	↖↘ Left-Right		0	
SOUTHBOUND	↖ Left	100	1	100
	↖↗ Left-Through		0	
	↗ Through	110	0	175
	↗↘ Through-Right		1	
	↘ Right	65	0	0
	↘↗ Left-Through-Right		0	
	↖↘ Left-Right		0	
EASTBOUND	↖ Left	34	1	34
	↖↗ Left-Through		0	
	↗ Through	385	1	230
	↗↘ Through-Right		1	
	↘ Right	75	0	75
	↘↗ Left-Through-Right		0	
	↖↘ Left-Right		0	
WESTBOUND	↖ Left	172	1	172
	↖↗ Left-Through		0	
	↗ Through	1210	1	624
	↗↘ Through-Right		1	
	↘ Right	38	0	38
	↘↗ Left-Through-Right		0	
	↖↘ Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		262
		<i>East-West:</i>		658
		<i>SUM:</i>		920
VOLUME/CAPACITY (V/C) RATIO:				0.613
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.513</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**23**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY AM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	3
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	234	1	234
	↶↷ Left-Through		0	
	↷ Through	651	1	363
	↷↶ Through-Right		1	
	↷ Right	74	0	74
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	128	1	128
	↷↶ Left-Through		0	
	↷ Through	901	2	451
	↷↶ Through-Right		0	
	↷ Right	351	1	276
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	75	1	75
	↶↷ Left-Through		0	
	↶ Through	715	2	262
	↶↷ Through-Right		1	
	↶ Right	72	0	72
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	104	1	104
	↷↶ Left-Through		0	
	↷ Through	1344	2	468
	↷↶ Through-Right		1	
	↷ Right	59	0	59
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		685
		<b>East-West:</b>		543
		<b>SUM:</b>		1228
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.893
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.793</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**25**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Existing with Project Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY AM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	53	0	53
	↶↷ Left-Through		0	
	↷ Through	173	0	364
	↷↶ Through-Right		0	
	↷ Right	138	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	96	0	96
	↷↷ Left-Through		0	
	↷ Through	128	0	355
	↷↶ Through-Right		0	
	↷ Right	131	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	45	1	45
	↷↷ Left-Through		0	
	↷ Through	869	2	297
	↷↶ Through-Right		1	
	↷ Right	22	0	22
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	21	1	21
	↶↷ Left-Through		0	
	↶ Through	1570	2	525
	↶↶ Through-Right		1	
	↶ Right	5	0	5
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		460
		<b>East-West:</b>		570
		<b>SUM:</b>		1030
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.687
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.587</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**29**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 8th Street  
**Scenario:** Existing with Project Conditions  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY AM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	848	1	475
	↷↶ Through-Right		1	
	↷ Right	101	0	101
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	54	1	54
	↷↶ Left-Through		0	
	↷ Through	994	2	497
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	2	0	2
	↷↶ Left-Through		0	
	↷ Through	10	0	16
	↷↶ Through-Right		0	
	↷ Right	4	0	0
	↷↷ Left-Through-Right		1	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	133	1	115
	↷↶ Left-Through		0	
	↷ Through	0	0	0
	↷↶ Through-Right		0	
	↷ Right	211	1	88
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		1	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		529
		<i>East-West:</i>		131
		<i>SUM:</i>		660
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.463
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.363</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project Conditions  
**Count Date:** Year 2017      **Analyst:**      **Date:**

		WEEKDAY AM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	38	1	38
	↶↷ Left-Through		0	
	↷ Through	852	2	426
	↷↶ Through-Right		0	
	↷ Right	99	1	99
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	218	1	218
	↷↶ Left-Through		0	
	↷ Through	1292	1	678
	↷↶ Through-Right		1	
	↷ Right	63	0	63
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	17	1	17
	↶↷ Left-Through		0	
	↶ Through	277	0	294
	↶↶ Through-Right		1	
	↶ Right	17	0	0
	↶↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	337	2	185
	↷↶ Left-Through		0	
	↷ Through	502	1	502
	↷↶ Through-Right		0	
	↷ Right	554	1	445
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		716
		<i>East-West:</i>		519
		<b>SUM:</b>		1235
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.867
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.767</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project Conditions**  
**Count Date: Year 2017**      **Analyst:**      **Date:**

		WEEKDAY AM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	99	1	99
	↶↷ Left-Through		0	
	↷ Through	37	0	98
	↷↶ Through-Right		1	
	↷ Right	61	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	105	1	105
	↷↶ Left-Through		0	
	↷ Through	116	0	184
	↷↶ Through-Right		1	
	↷ Right	68	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	36	1	36
	↷↶ Left-Through		0	
	↷ Through	406	1	245
	↷↶ Through-Right		1	
	↷ Right	84	0	84
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	185	1	185
	↷↶ Left-Through		0	
	↷ Through	1275	1	658
	↷↶ Through-Right		1	
	↷ Right	40	0	40
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		283
		<b>East-West:</b>		694
		<b>SUM:</b>		977
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.651
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.551</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**23**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Future with Project Conditions  
**Count Date:** Year 2017      **Analyst:**      **Date:**

		WEEKDAY AM PEAK HOUR		
No. of Phases				4
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 3	3
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	250	1	250
	↶↷ Left-Through		0	
	↷ Through	692	1	388
	↷↶ Through-Right		1	
	↷ Right	84	0	84
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	147	1	147
	↷↶ Left-Through		0	
	↷ Through	961	2	481
	↷↶ Through-Right		0	
	↷ Right	376	1	271
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	105	1	105
	↶↷ Left-Through		0	
	↶ Through	842	2	421
	↶↷ Through-Right		0	
	↶ Right	77	1	0
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	114	1	114
	↷↶ Left-Through		0	
	↷ Through	1520	2	760
	↷↶ Through-Right		0	
	↷ Right	71	1	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		731
		<i>East-West:</i>		865
		<i>SUM:</i>		1596
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.161
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>1.061</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>F</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**25**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** Wilshire Boulevard  
**Scenario:** Future with Project Conditions  
**Count Date:** Year 2017      **Analyst:**      **Date:**

		WEEKDAY AM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	58	0	58
	↶ Left-Through		0	
	↷ Through	185	0	391
	↷ Through-Right		0	
	↷ Right	148	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	106	0	106
	↷ Left-Through		0	
	↶ Through	145	0	403
	↶ Through-Right		0	
	↶ Right	152	0	0
	↶ Left-Through-Right		1	
	↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	56	1	56
	↶ Left-Through		0	
	↷ Through	993	2	497
	↷ Through-Right		0	
	↷ Right	37	1	37
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	46	1	46
	↶ Left-Through		0	
	↷ Through	1768	2	884
	↷ Through-Right		0	
	↷ Right	7	1	7
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		497
		<i>East-West:</i>		940
		<i>SUM:</i>		1437
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.958
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.858</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**29**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 8th Street  
**Scenario:** Future with Project Conditions  
**Count Date:** Year 2017      **Analyst:**      **Date:**

		WEEKDAY AM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↷ Through	909	1	508
	↷↶ Through-Right		1	
	↷ Right	106	0	106
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	57	1	57
	↷↶ Left-Through		0	
	↷ Through	1065	2	533
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	2	0	2
	↷↶ Left-Through		0	
	↷ Through	10	0	16
	↷↶ Through-Right		0	
	↷ Right	4	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	142	1	121
	↶↷ Left-Through		0	
	↶ Through	0	0	0
	↶↶ Through-Right		0	
	↶ Right	222	1	93
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		1	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		565
		<i>East-West:</i>		137
		<i>SUM:</i>		702
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.493
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.393</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				3			3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB -- 0	0	NB -- 2	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	23	1	23	14	1	14
	↵↔ Left-Through		0			0	
	↔ Through	999	2	500	1080	2	540
	↔↘ Through-Right		0			0	
	↘ Right	163	1	163	190	1	190
	↵↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	189	1	189	150	1	150
	↵↔ Left-Through		0			0	
	↔ Through	1244	1	637	1127	1	589
	↔↘ Through-Right		1			1	
	↘ Right	30	0	30	50	0	50
	↵↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	45	1	45	22	1	22
	↵↔ Left-Through		0			0	
	↔ Through	361	0	388	264	0	284
	↔↘ Through-Right		1			1	
	↘ Right	27	0	0	20	0	0
	↵↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	167	2	92	214	2	118
	↵↔ Left-Through		0			0	
	↔ Through	331	1	331	272	1	272
	↔↘ Through-Right		0			0	
	↘ Right	188	1	94	192	1	117
	↵↘ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 689 <i>East-West:</i> 480 <i>SUM:</i> 1169			<i>North-South:</i> 690 <i>East-West:</i> 402 <i>SUM:</i> 1092
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.820			0.766
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.720</b>			<b>0.666</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>			<b>B</b>

I/S #: **14**

PROJECT TITLE: **AMPAS**  
 North-South Street: **Odgen Drive/Project Dv** East-West Street: **6th Street**  
 Scenario: **Future with Project (Year 2017)**  
 Count Date: \_\_\_\_\_ Analyst: \_\_\_\_\_ Date: \_\_\_\_\_

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	107	0	107	97	0	97
	Left-Through		0			0	
	Through	0	0	0	0	0	0
	Through-Right		0			0	
	Right	57	0	164	70	0	167
	Left-Through-Right		0			0	
	Left-Right		1			1	
<b>SOUTHBOUND</b>	Left	4	0	4	11	0	11
	Left-Through		0			0	
	Through	0	0	0	0	0	0
	Through-Right		0			0	
	Right	19	0	23	28	0	39
	Left-Through-Right		0			0	
	Left-Right		1			1	
<b>EASTBOUND</b>	Left	13	1	13	11	1	11
	Left-Through		0			0	
	Through	575	1	575	496	1	496
	Through-Right		0			0	
	Right	134	1	134	167	1	167
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>WESTBOUND</b>	Left	73	1	73	83	1	83
	Left-Through		0			0	
	Through	580	1	580	560	1	560
	Through-Right		0			0	
	Right	8	1	8	7	1	7
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				North-South: 168			North-South: 178
				East-West: 648			East-West: 579
				<b>SUM: 816</b>			<b>SUM: 757</b>
VOLUME/CAPACITY (V/C) RATIO:				0.544			0.505
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.444</b>			<b>0.405</b>
LEVEL OF SERVICE (LOS):				<b>A</b>			<b>A</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↖ Left	90	1	90	75	1	75
	↖↔ Left-Through		0			0	
	↔ Through	48	0	168	75	0	167
	↔↗ Through-Right		1			1	
	↗ Right	120	0	0	92	0	0
	↖↗↔ Left-Through-Right		0			0	
↖↗ Left-Right		0			0		
<b>SOUTHBOUND</b>	↖ Left	54	1	54	49	1	49
	↖↔ Left-Through		0			0	
	↔ Through	45	0	93	57	0	95
	↔↗ Through-Right		1			1	
	↗ Right	48	0	0	38	0	0
	↖↗↔ Left-Through-Right		0			0	
↖↗ Left-Right		0			0		
<b>EASTBOUND</b>	↖ Left	26	1	26	47	1	47
	↖↔ Left-Through		0			0	
	↔ Through	508	1	508	451	1	451
	↔↗ Through-Right		0			0	
	↗ Right	82	1	37	63	1	26
	↖↗↔ Left-Through-Right		0			0	
↖↗ Left-Right		0			0		
<b>WESTBOUND</b>	↖ Left	84	1	84	100	1	100
	↖↔ Left-Through		0			0	
	↔ Through	530	1	530	554	1	554
	↔↗ Through-Right		0			0	
	↗ Right	61	1	34	76	1	52
	↖↗↔ Left-Through-Right		0			0	
↖↗ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 222			<i>North-South:</i> 216
				<i>East-West:</i> 592			<i>East-West:</i> 601
				<i>SUM:</i> 814			<i>SUM:</i> 817
VOLUME/CAPACITY (V/C) RATIO:				0.543			0.545
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.443</b>			<b>0.445</b>
LEVEL OF SERVICE (LOS):				<b>A</b>			<b>A</b>

## Level of Service Worksheet (Circular 212 Method)



I/S #: **16**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Hauser Boulevard      **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		0			0		
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	64	1	64	101	1	101
	Left-Through		0			0	
	Through	323	0	362	541	0	597
	Through-Right		1			1	
	Right	39	0	0	56	0	0
	Left-Through-Right		0			0	
<b>SOUTHBOUND</b>	Left	30	1	30	42	1	42
	Left-Through		0			0	
	Through	379	1	379	367	1	367
	Through-Right		0			0	
	Right	114	1	74	80	1	50
	Left-Through-Right		0			0	
<b>EASTBOUND</b>	Left	81	1	81	61	1	61
	Left-Through		0			0	
	Through	592	1	592	546	1	546
	Through-Right		0			0	
	Right	69	1	37	57	1	7
	Left-Through-Right		0			0	
<b>WESTBOUND</b>	Left	32	1	32	22	1	22
	Left-Through		0			0	
	Through	521	1	521	544	1	544
	Through-Right		0			0	
	Right	38	1	23	71	1	50
	Left-Through-Right		0			0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 443			<i>North-South:</i> 639		
		<i>East-West:</i> 624			<i>East-West:</i> 605		
		<i>SUM:</i> 1067			<i>SUM:</i> 1244		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.711			0.829		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.611</b>			<b>0.729</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>B</b>			<b>C</b>		



## Level of Service Worksheet (Circular 212 Method)



I/S #: **17**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Burnside Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity							
		2			2		
		0			0		
		0			0		
		0			0		
		2			2		
		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	↖ Left	20	0	20	17	0	17
	↖ Left-Through		0			0	
	→ Through	38	0	91	56	0	97
	↗ Through-Right		0			0	
	→ Right	33	0	0	24	0	0
	↘ Left-Through-Right		1			1	
	↘ Left-Right		0			0	
SOUTHBOUND	↖ Left	83	0	83	60	0	60
	↖ Left-Through		1			1	
	→ Through	41	0	124	45	0	105
	↗ Through-Right		0			0	
	→ Right	20	1	13	15	1	2
	↘ Left-Through-Right		0			0	
	↘ Left-Right		0			0	
EASTBOUND	↖ Left	15	1	15	26	1	26
	↖ Left-Through		0			0	
	→ Through	636	1	636	580	1	580
	↗ Through-Right		0			0	
	→ Right	18	1	18	51	1	51
	↘ Left-Through-Right		0			0	
	↘ Left-Right		0			0	
WESTBOUND	↖ Left	34	1	34	28	1	28
	↖ Left-Through		0			0	
	→ Through	581	1	581	561	1	561
	↗ Through-Right		0			0	
	→ Right	69	1	69	83	1	83
	↘ Left-Through-Right		0			0	
	↘ Left-Right		0			0	
CRITICAL VOLUMES		North-South: 174 East-West: 670 SUM: 844			North-South: 157 East-West: 608 SUM: 765		
VOLUME/CAPACITY (V/C) RATIO:		0.563			0.510		
V/C LESS ATSAC/ATCS ADJUSTMENT:		0.463			0.410		
LEVEL OF SERVICE (LOS):		A			A		

# Level of Service Workheet (Circular 212 Method)



I/S #: 18

PROJECT TITLE: AMPAS

North-South Street: Cochran Avenue

East-West Street: 6th Street

Scenario: Future with Project (Year 2017)

Count Date:

Analyst:

Date:

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	26	0	26	35	0	35
	Left-Through		0			0	
	Through	114	0	167	170	0	230
	Through-Right		0			0	
	Right	27	0	0	25	0	0
	Left-Through-Right		1			1	
SOUTHBOUND	Left-Through-Right		0			0	
	Left-Right		0			0	
	Left	7	0	7	8	0	8
	Left-Through		0			0	
	Through	120	0	176	94	0	173
	Through-Right		0			0	
EASTBOUND	Right	49	0	0	71	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
	Left	66	1	66	50	1	50
	Left-Through		0			0	
	Through	633	1	633	552	1	552
WESTBOUND	Through-Right		0			0	
	Right	42	1	42	62	1	62
	Left-Through-Right		0			0	
	Left-Right		0			0	
	Left	35	1	35	41	1	41
	Left-Through		0			0	
SUMMARY	Through	563	1	563	551	1	551
	Through-Right		0			0	
	Right	25	1	25	25	1	25
	Left-Through-Right		0			0	
	Left-Right		0			0	
	CRITICAL VOLUMES			North-South: 202 East-West: 668 SUM: 870			North-South: 238 East-West: 601 SUM: 839
VOLUME/CAPACITY (V/C) RATIO:			0.580			0.559	
V/C LESS ATSAC/ATCS ADJUSTMENT:			0.480			0.459	
LEVEL OF SERVICE (LOS):			A			A	

**I/S #:**  
19

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

	No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity	WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		NB --	SB --	Lane Volume	NB --	SB --	Lane Volume
		0	0	2	0	0	2
		0	0	0	0	0	0
		0	0	2	0	0	2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	66	1	66	74	1	74
	Left-Through		0			0	
	Through	1340	2	670	1441	2	721
	Through-Right		0			0	
	Right	53	1	53	47	1	47
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>SOUTHBOUND</b>	Left	80	1	80	64	1	64
	Left-Through		0			0	
	Through	1312	2	469	1378	2	486
	Through-Right		1			1	
	Right	95	0	95	79	0	79
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>EASTBOUND</b>	Left	79	0	79	116	0	116
	Left-Through		1			1	
	Through	515	0	382	432	0	404
	Through-Right		1			1	
	Right	90	0	382	143	0	404
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>WESTBOUND</b>	Left	35	0	35	35	0	35
	Left-Through		1			1	
	Through	469	0	504	503	0	538
	Through-Right		0			0	
	Right	92	1	52	85	1	53
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				North-South: 750 East-West: 583 SUM: 1333			North-South: 785 East-West: 654 SUM: 1439
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.889			0.959
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.789</b>			<b>0.859</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>			<b>D</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i>	0	<i>NB --</i> 0	<i>SB --</i>	0
		<i>EB --</i> 0	<i>WB --</i>	0	<i>EB --</i> 0	<i>WB --</i>	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	117	0	117	59	0	59
	↵↔ Left-Through		1			1	
	↔ Through	498	0	495	533	0	338
	↔↗ Through-Right		1			1	
	↗ Right	23	0	495	25	0	338
	↗↔ Left-Through-Right		0			0	
	↗↔↗ Left-Right		0			0	
<b>SOUTHBOUND</b>	↵ Left	84	0	84	83	0	83
	↵↔ Left-Through		1			1	
	↔ Through	540	1	354	384	1	275
	↔↗ Through-Right		0			0	
	↗ Right	95	0	95	19	0	19
	↗↔ Left-Through-Right		0			0	
	↗↔↗ Left-Right		0			0	
<b>EASTBOUND</b>	↵ Left	55	1	55	30	1	30
	↵↔ Left-Through		0			0	
	↔ Through	701	2	351	578	2	289
	↔↗ Through-Right		0			0	
	↗ Right	80	1	80	33	1	33
	↗↔ Left-Through-Right		0			0	
	↗↔↗ Left-Right		0			0	
<b>WESTBOUND</b>	↵ Left	46	1	46	18	1	18
	↵↔ Left-Through		0			0	
	↔ Through	697	2	349	507	2	254
	↔↗ Through-Right		0			0	
	↗ Right	107	1	107	89	1	89
	↗↔ Left-Through-Right		0			0	
	↗↔↗ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 579 <i>East-West:</i> 404 <i>SUM:</i> 983			<i>North-South:</i> 421 <i>East-West:</i> 307 <i>SUM:</i> 728
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.655			0.485
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.555</b>			<b>0.385</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: San Vicente Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases		3			3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	11	0	0	5	0	0
	↵↔ Left-Through		0			0	
	↔ Through	756	2	378	863	2	432
	↔↘ Through-Right		0			0	
	↘ Right	2	0	0	0	0	0
	↵↘↔ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	107	1	107	116	1	116
	↵↔ Left-Through		0			0	
	↔ Through	962	1	504	979	1	502
	↔↘ Through-Right		1			1	
	↘ Right	45	0	45	24	0	24
	↵↘↔ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	38	1	38	23	1	23
	↵↔ Left-Through		0			0	
	↔ Through	747	3	249	502	3	167
	↔↘ Through-Right		0			0	
	↘ Right	120	1	120	82	1	82
	↵↘↔ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	0	0	0	1	0	0
	↵↔ Left-Through		0			0	
	↔ Through	702	2	351	553	2	277
	↔↘ Through-Right		0			0	
	↘ Right	160	1	107	257	1	199
	↵↘↔ Left-Through-Right		0			0	
↘↔ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 504			<i>North-South:</i> 548		
		<i>East-West:</i> 389			<i>East-West:</i> 300		
		<i>SUM:</i> 893			<i>SUM:</i> 848		
VOLUME/CAPACITY (V/C) RATIO:		0.627			0.595		
V/C LESS ATSAC/ATCS ADJUSTMENT:		<b>0.527</b>			<b>0.495</b>		
LEVEL OF SERVICE (LOS):		<b>A</b>			<b>A</b>		





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	27	1	27
	↶↷ Left-Through		0	
	↷ Through	1049	2	525
	↷↶ Through-Right		0	
	↷ Right	266	1	266
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	166	1	166
	↷↶ Left-Through		0	
	↷ Through	1232	1	638
	↷↶ Through-Right		1	
	↷ Right	43	0	43
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	21	1	21
	↷↶ Left-Through		0	
	↷ Through	441	0	461
	↷↶ Through-Right		1	
	↷ Right	20	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	200	2	110
	↷↶ Left-Through		0	
	↷ Through	444	1	444
	↷↶ Through-Right		0	
	↷ Right	266	1	183
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		691
		<b>East-West:</b>		571
		<b>SUM:</b>		1262
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.886
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.786</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:** 14      **PROJECT TITLE:** AMPAS  
**North-South Street:** Odgen Drive/Project Dv      **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

MOVEMENT		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity		NB -- 0      SB -- 0 EB -- 0      WB -- 0		2 0 0 0 2 0
NORTHBOUND	Left	146	0	146
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	129	0	275
	Left-Through-Right		0	
	Left-Right		1	
SOUTHBOUND	Left	4	0	4
	Left-Through		0	
	Through	0	0	0
	Through-Right		0	
	Right	14	0	18
	Left-Through-Right		0	
	Left-Right		1	
EASTBOUND	Left	15	1	15
	Left-Through		0	
	Through	829	1	829
	Through-Right		0	
	Right	33	1	33
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	19	1	19
	Left-Through		0	
	Through	750	1	750
	Through-Right		0	
	Right	14	1	14
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i> 279 <i>East-West:</i> 848 <b>SUM:</b> 1127		
VOLUME/CAPACITY (V/C) RATIO:				0.751
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.651</b>
LEVEL OF SERVICE (LOS):				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0
		<i>NB --</i> 0 <i>SB --</i> <i>EB --</i> 0 <i>WB --</i>		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	160	1	160
	↵↔ Left-Through		0	
	↔ Through	106	0	290
	↔↗ Through-Right		1	
	↔ Right	184	0	0
	↗↔ Left-Through-Right		0	
	↗↔ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	46	1	46
	↵↔ Left-Through		0	
	↔ Through	58	0	90
	↔↗ Through-Right		1	
	↔ Right	32	0	0
	↗↔ Left-Through-Right		0	
	↗↔ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	49	1	49
	↵↔ Left-Through		0	
	↔ Through	880	1	880
	↔↗ Through-Right		0	
	↔ Right	55	1	0
	↗↔ Left-Through-Right		0	
	↗↔ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	76	1	76
	↵↔ Left-Through		0	
	↔ Through	612	1	612
	↔↗ Through-Right		0	
	↔ Right	73	1	50
	↗↔ Left-Through-Right		0	
	↗↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i> <i>East-West:</i> <b>SUM:</b>	336 956 1292
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.861
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.761</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**16**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	47	1	47
	↶ Left-Through		0	
	↷ Through	497	0	534
	↷ Through-Right		1	
	↷ Right	37	0	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	47	1	47
	↷ Left-Through		0	
	↷ Through	420	1	420
	↷ Through-Right		0	
	↷ Right	73	1	73
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	34	0	0
	↶ Left-Through		0	
	↷ Through	1157	1	1157
	↷ Through-Right		0	
	↷ Right	72	1	49
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	5	0	0
	↶ Left-Through		0	
	↷ Through	653	1	653
	↷ Through-Right		0	
	↷ Right	59	1	36
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	581
			<i>East-West:</i>	1157
			<i>SUM:</i>	1738
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.159
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>1.059</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>F</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE: AMPAS**  
**North-South Street: Burnside Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	18	0	18
	↶↷ Left-Through		0	
	↷ Through	115	0	115
	↷↶ Through-Right		0	
	↷ Right	46	0	46
	↷↶ Left-Through-Right		1	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	55	0	55
	↷↶ Left-Through		1	
	↷ Through	45	0	45
	↷↶ Through-Right		0	
	↷ Right	18	1	18
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	81	1	81
	↷↶ Left-Through		0	
	↷ Through	1167	1	1167
	↷↶ Through-Right		0	
	↷ Right	23	1	23
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	43	1	43
	↷↶ Left-Through		0	
	↷ Through	699	1	699
	↷↶ Through-Right		0	
	↷ Right	127	1	127
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		234
		<i>East-West:</i>		1210
		<i>SUM:</i>		1444
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.963
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.863</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>





# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**18**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	33	0	33
	↶↷ Left-Through		0	
	↷ Through	266	0	353
	↷↶ Through-Right		0	
	↷ Right	54	0	0
	↷↷ Left-Through-Right		1	
↷↷ Left-Right		0		
<b>SOUTHBOUND</b>	↷ Left	11	0	11
	↷↷ Left-Through		0	
	↷ Through	156	0	207
	↷↶ Through-Right		0	
	↷ Right	40	0	0
	↷↷ Left-Through-Right		1	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	154	1	154
	↷↷ Left-Through		0	
	↷ Through	1065	1	1065
	↷↶ Through-Right		0	
	↷ Right	79	1	79
	↷↷ Left-Through-Right		0	
↷↷ Left-Right		0		
<b>WESTBOUND</b>	↶ Left	36	1	36
	↶↷ Left-Through		0	
	↶ Through	778	1	778
	↶↶ Through-Right		0	
	↶ Right	44	1	44
	↶↷ Left-Through-Right		0	
↶↷ Left-Right		0		
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		364
		<b>East-West:</b>		1101
		<b>SUM:</b>		1465
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.977
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.877</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: 19

PROJECT TITLE: AMPAS  
North-South Street: La Brea Avenue East-West Street: 6th Street  
Scenario: Future with Project (Year 2017)  
Count Date: Analyst: Date:

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	70	1	70
	Left-Through		0	
	Through	1735	2	597
	Through-Right		1	
	Right	57	0	57
	Left-Through-Right		0	
	Left-Right		0	
SOUTHBOUND	Left	69	1	69
	Left-Through		0	
	Through	1551	2	544
	Through-Right		1	
	Right	81	0	81
	Left-Through-Right		0	
	Left-Right		0	
EASTBOUND	Left	4	0	0
	Left-Through		0	
	Through	1026	1	543
	Through-Right		1	
	Right	60	0	60
	Left-Through-Right		0	
	Left-Right		0	
WESTBOUND	Left	0	0	0
	Left-Through		0	
	Through	716	1	401
	Through-Right		1	
	Right	85	0	85
	Left-Through-Right		0	
	Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		666
		<i>East-West:</i>		543
		<i>SUM:</i>		1209
VOLUME/CAPACITY (V/C) RATIO:				0.806
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.706
LEVEL OF SERVICE (LOS):				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	53	0	53
	↶↷ Left-Through		1	
	↷ Through	587	0	415
	↷↶ Through-Right		1	
	↷ Right	30	0	415
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	90	0	90
	↷↶ Left-Through		1	
	↷ Through	759	1	560
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	146	1	146
	↷↶ Left-Through		0	
	↷ Through	1085	2	543
	↷↶ Through-Right		0	
	↷ Right	126	1	126
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	28	1	28
	↷↶ Left-Through		0	
	↷ Through	729	2	365
	↷↶ Through-Right		0	
	↷ Right	147	1	147
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		613
		<b>East-West:</b>		571
		<b>SUM:</b>		1184
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.789
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.689</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: San Vicente Boulevard**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	15	0	0
	↶↷ Left-Through		0	
	↷ Through	737	2	369
	↷↶ Through-Right		0	
	↷ Right	2	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	121	1	121
	↷↶ Left-Through		0	
	↷ Through	1180	1	610
	↷↶ Through-Right		1	
	↷ Right	39	0	39
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	36	1	36
	↷↶ Left-Through		0	
	↷ Through	1022	3	256
	↷↶ Through-Right		0	
	↷ Right	76	1	76
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↶ Through	731	2	308
	↶↶ Through-Right		0	
	↶ Right	194	1	194
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	610
			<b>East-West:</b>	344
			<b>SUM:</b>	954
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.669
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.569</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>





## Level of Service Worksheet (Circular 212 Method)



I/S #: **13**

PROJECT TITLE: **AMPAS**  
 North-South Street: **Fairfax Avenue** East-West Street: **6th Street**  
 Scenario: **Future with Project (Year 2017)**  
 Count Date: Analyst: Date:

		FRIDAY MIDDAY PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				3
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↵ Left	20	1	20
	↵↗ Left-Through		0	
	↔ Through	1043	2	522
	↗↔ Through-Right		0	
	↘ Right	205	1	205
	↘↗ Left-Through-Right		0	
	↘↘ Left-Right		0	
SOUTHBOUND	↙ Left	170	1	170
	↙↘ Left-Through		0	
	↔ Through	1177	1	612
	↘↔ Through-Right		1	
	↘ Right	46	0	46
	↘↙ Left-Through-Right		0	
	↘↘ Left-Right		0	
EASTBOUND	↙ Left	44	1	44
	↙↘ Left-Through		0	
	↔ Through	375	0	398
	↘↔ Through-Right		1	
	↘ Right	23	0	0
	↘↙ Left-Through-Right		0	
	↘↘ Left-Right		0	
WESTBOUND	↙ Left	166	2	91
	↙↘ Left-Through		0	
	↔ Through	362	1	362
	↘↔ Through-Right		0	
	↘ Right	235	1	150
	↘↙ Left-Through-Right		0	
	↘↘ Left-Right		0	
CRITICAL VOLUMES			North-South:	692
			East-West:	489
			SUM:	1181
VOLUME/CAPACITY (V/C) RATIO:				0.829
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.729</b>
LEVEL OF SERVICE (LOS):				<b>C</b>

# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**14**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Odgen Drive/Project Dv     **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**     **Analyst:**     **Date:**

		FRIDAY MIDDAY PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↙ Left	110	0	110
	↙↔ Left-Through		0	
	↔ Through	0	0	0
	↔→ Through-Right		0	
	↘ Right	68	0	178
	↙↔↘ Left-Through-Right		0	
	↔↘↙ Left-Right		1	
SOUTHBOUND	↘ Left	8	0	8
	↘↔ Left-Through		0	
	↔ Through	0	0	0
	↔→ Through-Right		0	
	↘ Right	12	0	20
	↘↔↙ Left-Through-Right		0	
	↔↙↘ Left-Right		1	
EASTBOUND	↙ Left	11	1	11
	↙↔ Left-Through		0	
	↔ Through	595	1	595
	↔→ Through-Right		0	
	↘ Right	153	1	153
	↙↔↘ Left-Through-Right		0	
	↔↙↘ Left-Right		0	
WESTBOUND	↘ Left	76	1	76
	↘↔ Left-Through		0	
	↔ Through	654	1	654
	↔→ Through-Right		0	
	↘ Right	2	1	2
	↘↔↙ Left-Through-Right		0	
	↔↙↘ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	186
			<b>East-West:</b>	671
			<b>SUM:</b>	857
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.571
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				0.471
<b>LEVEL OF SERVICE (LOS):</b>				A



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	109	1	109
	↶↷ Left-Through		0	
	↷ Through	50	0	197
	↷↶ Through-Right		1	
	↷ Right	147	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	35	1	35
	↷↶ Left-Through		0	
	↷ Through	48	0	82
	↷↶ Through-Right		1	
	↷ Right	34	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	37	1	37
	↷↶ Left-Through		0	
	↷ Through	559	1	559
	↷↶ Through-Right		0	
	↷ Right	76	1	22
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	88	1	88
	↷↶ Left-Through		0	
	↷ Through	597	1	597
	↷↶ Through-Right		0	
	↷ Right	50	1	33
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		232
		<i>East-West:</i>		647
		<i>SUM:</i>		879
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.586
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.486</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>





## Level of Service Worksheet (Circular 212 Method)



I/S #:
16

**PROJECT TITLE:** AMPAS  
**North-South Street:** Hauser Boulevard      **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**    **Analyst:**    **Date:**

		FRIDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				
				2
		<i>NB --</i> 0	<i>SB --</i>	0
		<i>EB --</i> 0	<i>WB --</i>	0
				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↶ Left	67	1	67
	↷ Left-Through		0	
	↷ Through	419	0	444
	↷ Through-Right		1	
	↷ Right	25	0	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
SOUTHBOUND	↷ Left	58	1	58
	↶ Left-Through		0	
	↶ Through	404	1	404
	↶ Through-Right		0	
	↶ Right	101	1	58
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
EASTBOUND	↷ Left	87	1	87
	↶ Left-Through		0	
	↶ Through	642	1	642
	↶ Through-Right		0	
	↶ Right	55	1	22
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
WESTBOUND	↷ Left	24	1	24
	↶ Left-Through		0	
	↶ Through	572	1	572
	↶ Through-Right		0	
	↶ Right	34	1	5
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>	502	
		<i>East-West:</i>	666	
		<i>SUM:</i>	1168	
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.779		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		0.679		
<b>LEVEL OF SERVICE (LOS):</b>		B		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE: AMPAS**  
**North-South Street: Burnside Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	11	0	11
	↶ Left-Through		0	
	↷ Through	49	0	96
	↷ Through-Right		0	
	↷ Right	36	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	59	0	59
	↷ Left-Through		1	
	↷ Through	43	0	102
	↷ Through-Right		0	
	↷ Right	12	1	5
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	14	1	14
	↶ Left-Through		0	
	↷ Through	712	1	712
	↷ Through-Right		0	
	↷ Right	26	1	26
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	28	1	28
	↶ Left-Through		0	
	↷ Through	603	1	603
	↷ Through-Right		0	
	↷ Right	59	1	59
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		155
		<i>East-West:</i>		740
		<i>SUM:</i>		895
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.597
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.497</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**18**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	31	0	31
	↶↷ Left-Through		0	
	↷ Through	216	0	276
	↷↶ Through-Right		0	
	↷ Right	29	0	0
	↷↶↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	5	0	5
	↷↶ Left-Through		0	
	↷ Through	136	0	188
	↷↶ Through-Right		0	
	↷ Right	47	0	0
	↷↶↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	67	1	67
	↷↶ Left-Through		0	
	↷ Through	738	1	738
	↷↶ Through-Right		0	
	↷ Right	62	1	62
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	30	1	30
	↷↶ Left-Through		0	
	↷ Through	606	1	606
	↷↶ Through-Right		0	
	↷ Right	27	1	27
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		281
		<i>East-West:</i>		768
		<i>SUM:</i>		1049
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.699
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.599</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**19**

**PROJECT TITLE: AMPAS**  
**North-South Street: La Brea Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> --	0
		<i>EB</i> -- 0	<i>WB</i> --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	35	1	35
	↶ Left-Through		0	
	↷ Through	1164	2	582
	↷ Through-Right		0	
	↷ Right	28	1	28
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	66	1	66
	↷ Left-Through		0	
	↷ Through	1296	2	463
	↷ Through-Right		1	
	↷ Right	93	0	93
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	94	0	94
	↷ Left-Through		1	
	↷ Through	577	0	429
	↷ Through-Right		1	
	↷ Right	93	0	429
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	29	0	29
	↶ Left-Through		1	
	↷ Through	493	0	522
	↷ Through-Right		0	
	↷ Right	80	1	47
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	648
			<i>East-West:</i>	616
			<i>SUM:</i>	1264
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.843
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.743</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	110	0	110
	↶↷ Left-Through		1	
	↷ Through	533	0	389
	↷↶ Through-Right		1	
	↷ Right	24	0	389
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	85	0	85
	↷↶ Left-Through		1	
	↷ Through	516	1	343
	↷↶ Through-Right		0	
	↷ Right	67	0	67
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	44	1	44
	↷↶ Left-Through		0	
	↷ Through	706	2	353
	↷↶ Through-Right		0	
	↷ Right	26	1	26
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	43	1	43
	↷↶ Left-Through		0	
	↷ Through	855	2	428
	↷↶ Through-Right		0	
	↷ Right	77	1	77
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	474
			<b>East-West:</b>	472
			<b>SUM:</b>	946
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.631
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.531</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	12	0	0
	↶↷ Left-Through		0	
	↷ Through	830	2	415
	↷↶ Through-Right		0	
	↷ Right	1	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	112	1	112
	↷↶ Left-Through		0	
	↷ Through	1013	1	533
	↷↶ Through-Right		1	
	↷ Right	53	0	53
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	38	1	38
	↷↶ Left-Through		0	
	↷ Through	710	3	237
	↷↶ Through-Right		0	
	↷ Right	107	1	107
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	1	0	0
	↶↷ Left-Through		0	
	↶ Through	940	2	470
	↶↶ Through-Right		0	
	↶ Right	210	1	154
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	533
			<i>East-West:</i>	508
			<i>SUM:</i>	1041
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.731
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.631</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	23	1	23
	↶↷ Left-Through		0	
	↷ Through	1017	2	509
	↷↶ Through-Right		0	
	↷ Right	325	1	325
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	182	1	182
	↷↶ Left-Through		0	
	↷ Through	1200	1	624
	↷↶ Through-Right		1	
	↷ Right	48	0	48
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	29	1	29
	↷↶ Left-Through		0	
	↷ Through	476	0	485
	↷↶ Through-Right		1	
	↷ Right	9	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	243	2	134
	↶↷ Left-Through		0	
	↶ Through	432	1	432
	↶↶ Through-Right		0	
	↶ Right	269	1	178
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		691
		<b>East-West:</b>		619
		<b>SUM:</b>		1310
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.919
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.819</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>





## Level of Service Worksheet (Circular 212 Method)



I/S #: **14**

**PROJECT TITLE: AMPAS**  
**North-South Street: Odgen Drive/Project Dv East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date: Analyst: Date:**

		FRIDAY PM PEAK HOUR		
				2
No. of Phases				0
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	165	0	165
	↶ Left-Through		0	
	↷ Through	0	0	0
	↷ Through-Right		0	
	↷ Right	130	0	295
	↷ Left-Through-Right		0	
	↶ Left-Right		1	
<b>SOUTHBOUND</b>	↶ Left	9	0	9
	↶ Left-Through		0	
	↷ Through	1	0	0
	↷ Through-Right		0	
	↷ Right	17	0	26
	↷ Left-Through-Right		0	
	↶ Left-Right		1	
<b>EASTBOUND</b>	↶ Left	19	1	19
	↶ Left-Through		0	
	↷ Through	917	1	917
	↷ Through-Right		0	
	↷ Right	58	1	58
	↷ Left-Through-Right		0	
	↶ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	23	1	23
	↶ Left-Through		0	
	↷ Through	766	1	766
	↷ Through-Right		0	
	↷ Right	7	1	7
	↷ Left-Through-Right		0	
	↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		304
		<i>East-West:</i>		940
		<i>SUM:</i>		1244
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.829
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.729</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	143	1	143
	↶↷ Left-Through		0	
	↷ Through	118	0	365
	↷↶ Through-Right		1	
	↷ Right	247	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	37	1	37
	↷↶ Left-Through		0	
	↷ Through	62	0	95
	↷↶ Through-Right		1	
	↷ Right	33	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	67	1	67
	↷↶ Left-Through		0	
	↷ Through	937	1	937
	↷↶ Through-Right		0	
	↷ Right	57	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	87	1	87
	↷↶ Left-Through		0	
	↷ Through	618	1	618
	↷↶ Through-Right		0	
	↷ Right	76	1	58
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	402
			<b>East-West:</b>	1024
			<b>SUM:</b>	1426
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.951
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.851</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:** 16     
 **PROJECT TITLE:** AMPAS  
**North-South Street:** Hauser Boulevard     
 **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**     
 **Analyst:**     
**Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	51	1	51
	↙ Left-Through		0	
	→ Through	515	0	547
	↘ Through-Right		1	
	↘ Right	32	0	0
	↙ Left-Through-Right		0	
	↖ Left-Right		0	
<b>SOUTHBOUND</b>	↙ Left	43	1	43
	↘ Left-Through		0	
	→ Through	379	1	379
	↘ Through-Right		0	
	↘ Right	68	1	68
	↙ Left-Through-Right		0	
	↖ Left-Right		0	
<b>EASTBOUND</b>	↙ Left	23	0	0
	↘ Left-Through		0	
	→ Through	1280	1	1280
	↘ Through-Right		0	
	↘ Right	91	1	66
	↙ Left-Through-Right		0	
	↖ Left-Right		0	
<b>WESTBOUND</b>	↙ Left	3	0	0
	↘ Left-Through		0	
	→ Through	661	1	661
	↘ Through-Right		0	
	↘ Right	65	1	44
	↙ Left-Through-Right		0	
	↖ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		590
		<i>East-West:</i>		1280
		<i>SUM:</i>		1870
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.247
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>1.147</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>F</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE: AMPAS**  
**North-South Street: Burnside Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	20	0	20
	↶↷ Left-Through		0	
	↷ Through	83	0	164
	↷↶ Through-Right		0	
	↷ Right	61	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	53	0	53
	↷↶ Left-Through		1	
	↷ Through	46	0	99
	↷↶ Through-Right		0	
	↷ Right	15	1	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	86	1	86
	↷↶ Left-Through		0	
	↷ Through	1271	1	1271
	↷↶ Through-Right		0	
	↷ Right	22	1	22
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	37	1	37
	↷↶ Left-Through		0	
	↷ Through	691	1	691
	↷↶ Through-Right		0	
	↷ Right	125	1	125
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	217
			<i>East-West:</i>	1308
			<i>SUM:</i>	1525
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.017
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.917</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>E</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:** 18      **PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**





























		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	25	0	25
	↶↷ Left-Through		0	
	↷ Through	261	0	339
	↷↶ Through-Right		0	
	↷ Right	53	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	16	0	16
	↷↶ Left-Through		0	
	↷ Through	134	0	199
	↷↶ Through-Right		0	
	↷ Right	49	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	161	1	161
	↷↶ Left-Through		0	
	↷ Through	1226	1	1226
	↷↶ Through-Right		0	
	↷ Right	51	1	51
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	27	1	27
	↶↷ Left-Through		0	
	↶ Through	739	1	739
	↶↶ Through-Right		0	
	↶ Right	28	1	28
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	355
			<i>East-West:</i>	1253
			<b>SUM:</b>	1608
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.072
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.972</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>E</b>

## Level of Service Worksheet (Circular 212 Method)



I/S #: **19**

PROJECT TITLE: AMPAS  
 North-South Street: La Brea Avenue East-West Street: 6th Street  
 Scenario: Future with Project (Year 2017)  
 Count Date: Analyst: Date:

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	 Left	69	1	69
	 Left-Through		0	
	 Through	1737	2	596
	 Through-Right		1	
	 Right	51	0	51
	 Left-Through-Right		0	
	 Left-Right		0	
SOUTHBOUND	 Left	76	1	76
	 Left-Through		0	
	 Through	1552	2	541
	 Through-Right		1	
	 Right	71	0	71
	 Left-Through-Right		0	
	 Left-Right		0	
EASTBOUND	 Left	7	0	0
	 Left-Through		0	
	 Through	1144	1	606
	 Through-Right		1	
	 Right	68	0	68
	 Left-Through-Right		0	
	 Left-Right		0	
WESTBOUND	 Left	3	0	0
	 Left-Through		0	
	 Through	631	1	359
	 Through-Right		1	
	 Right	86	0	86
	 Left-Through-Right		0	
	 Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		672
		<i>East-West:</i>		606
		<i>SUM:</i>		1278
VOLUME/CAPACITY (V/C) RATIO:				0.852
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.752</b>
LEVEL OF SERVICE (LOS):				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	76	0	76
	↶↷ Left-Through		1	
	↷ Through	599	0	467
	↷↶ Through-Right		1	
	↷ Right	31	0	467
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	93	0	93
	↷↶ Left-Through		1	
	↷ Through	699	1	536
	↷↶ Through-Right		0	
	↷ Right	56	0	56
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	134	1	134
	↶↷ Left-Through		0	
	↷ Through	1012	2	506
	↷↶ Through-Right		0	
	↷ Right	116	1	116
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	28	1	28
	↶↷ Left-Through		0	
	↷ Through	847	2	424
	↷↶ Through-Right		0	
	↷ Right	127	1	127
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		612
		<b>East-West:</b>		558
		<b>SUM:</b>		1170
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.780
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.680</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	15	0	0
	↶↷ Left-Through		0	
	↷ Through	751	2	376
	↷↶ Through-Right		0	
	↷ Right	4	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	95	1	95
	↷↶ Left-Through		0	
	↷ Through	1035	1	537
	↷↶ Through-Right		1	
	↷ Right	39	0	39
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	29	1	29
	↶↷ Left-Through		0	
	↶ Through	1034	3	345
	↶↷ Through-Right		0	
	↶ Right	87	1	87
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	0	0	0
	↷↶ Left-Through		0	
	↷ Through	973	2	487
	↷↶ Through-Right		0	
	↷ Right	199	1	152
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		537
		<i>East-West:</i>		516
		<i>SUM:</i>		1053
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.739
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.639</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>







## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		3			3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB -- 0	0	NB -- 2	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2			2		
Override Capacity		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	23	1	23	14	1	14
	↵↔ Left-Through		0			0	
	↔ Through	992	2	496	1073	2	537
	↔↘ Through-Right		0			0	
	↘ Right	156	1	156	183	1	183
	↵↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>SOUTHBOUND</b>	↵ Left	186	1	186	147	1	147
	↵↔ Left-Through		0			0	
	↔ Through	1234	1	632	1117	1	584
	↔↘ Through-Right		1			1	
	↘ Right	30	0	30	50	0	50
	↵↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>EASTBOUND</b>	↵ Left	45	1	45	22	1	22
	↵↔ Left-Through		0			0	
	↔ Through	358	0	385	261	0	281
	↔↘ Through-Right		1			1	
	↘ Right	27	0	0	20	0	0
	↵↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>WESTBOUND</b>	↵ Left	161	2	89	208	2	114
	↵↔ Left-Through		0			0	
	↔ Through	329	1	329	270	1	270
	↔↘ Through-Right		0			0	
	↘ Right	186	1	93	190	1	117
	↵↘ Left-Through-Right		0			0	
	↘↔ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 682			<i>North-South:</i> 684		
		<i>East-West:</i> 474			<i>East-West:</i> 395		
		<i>SUM:</i> 1156			<i>SUM:</i> 1079		
VOLUME/CAPACITY (V/C) RATIO:		0.811			0.757		
V/C LESS ATSAC/ATCS ADJUSTMENT:		<b>0.711</b>			<b>0.657</b>		
LEVEL OF SERVICE (LOS):		<b>C</b>			<b>B</b>		

## Level of Service Worksheet (Circular 212 Method)



**I/S #:** 14      **PROJECT TITLE:** AMPAS  
**North-South Street:** Odgen Drive/Project Dv      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

MOVEMENT		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>No. of Phases</b> Opposed Ø'ing: N/S-1, E/W-2 or Both-3? <b>Right Turns: FREE-1, NRTOR-2 or OLA-3?</b> <b>ATSAC-1 or ATSAC+ATCS-2?</b> <b>Override Capacity</b>							
				2			2
				0			0
		NB -- 0	SB -- 0	0	NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0	EB -- 0	WB -- 0	0
				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	98	0	98	88	0	88
	Left-Through		0			0	
	Through	0	0	0	0	0	0
	Through-Right		0			0	
	Right	58	0	156	71	0	159
	Left-Through-Right		0			0	
	Left-Right		1			1	
<b>SOUTHBOUND</b>	Left	4	0	4	11	0	11
	Left-Through		0			0	
	Through	0	0	0	0	0	0
	Through-Right		0			0	
	Right	19	0	23	28	0	39
	Left-Through-Right		0			0	
	Left-Right		1			1	
<b>EASTBOUND</b>	Left	13	1	13	11	1	11
	Left-Through		0			0	
	Through	575	1	575	496	1	496
	Through-Right		0			0	
	Right	121	1	121	154	1	154
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>WESTBOUND</b>	Left	76	1	76	86	1	86
	Left-Through		0			0	
	Through	580	1	580	560	1	560
	Through-Right		0			0	
	Right	8	1	8	7	1	7
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 160 <i>East-West:</i> 651 <b>SUM:</b> 811			<i>North-South:</i> 170 <i>East-West:</i> 582 <b>SUM:</b> 752		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.541			0.501		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.441</b>			<b>0.401</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>			<b>A</b>		

# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0		NB -- 0	SB -- 0	
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0		EB -- 0	WB -- 0	
Override Capacity		2			2		
		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	89	1	89	74	1	74
	Left-Through		0			0	
	Through	48	0	167	75	0	166
	Through-Right		1			1	
	Right	119	0	0	91	0	0
	Left-Through-Right		0			0	
<b>SOUTHBOUND</b>	Left	54	1	54	49	1	49
	Left-Through		0			0	
	Through	45	0	93	57	0	95
	Through-Right		1			1	
	Right	48	0	0	38	0	0
	Left-Through-Right		0			0	
<b>EASTBOUND</b>	Left	26	1	26	47	1	47
	Left-Through		0			0	
	Through	512	1	512	455	1	455
	Through-Right		0			0	
	Right	82	1	38	63	1	26
	Left-Through-Right		0			0	
<b>WESTBOUND</b>	Left	82	1	82	98	1	98
	Left-Through		0			0	
	Through	531	1	531	555	1	555
	Through-Right		0			0	
	Right	61	1	34	76	1	52
	Left-Through-Right		0			0	
			0			0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 221			<i>North-South:</i> 215		
		<i>East-West:</i> 594			<i>East-West:</i> 602		
		<i>SUM:</i> 815			<i>SUM:</i> 817		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.543			0.545		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.443</b>			<b>0.445</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>A</b>			<b>A</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**16**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i>	0	<i>NB --</i> 0	<i>SB --</i>	0
		<i>EB --</i> 0	<i>WB --</i>	0	<i>EB --</i> 0	<i>WB --</i>	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	62	1	62	99	1	99
	↵↔ Left-Through		0			0	
	↔ Through	323	0	362	541	0	597
	↔↗ Through-Right		1			1	
	↗ Right	39	0	0	56	0	0
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right			0			0	
<b>SOUTHBOUND</b>	↵ Left	30	1	30	42	1	42
	↵↔ Left-Through		0			0	
	↔ Through	378	1	378	366	1	366
	↔↗ Through-Right		0			0	
	↗ Right	122	1	79	88	1	55
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right			0			0	
<b>EASTBOUND</b>	↵ Left	87	1	87	67	1	67
	↵↔ Left-Through		0			0	
	↔ Through	589	1	589	543	1	543
	↔↗ Through-Right		0			0	
	↗ Right	67	1	36	55	1	6
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right			0			0	
<b>WESTBOUND</b>	↵ Left	32	1	32	22	1	22
	↵↔ Left-Through		0			0	
	↔ Through	516	1	516	539	1	539
	↔↗ Through-Right		0			0	
	↗ Right	38	1	23	71	1	50
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right			0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 440			<i>North-South:</i> 639
				<i>East-West:</i> 621			<i>East-West:</i> 606
				<i>SUM:</i> 1061			<i>SUM:</i> 1245
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.707			0.830
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.607</b>			<b>0.730</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>			<b>C</b>

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE: AMPAS**  
**North-South Street: Burnside Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 0	0	<i>NB --</i> 0	<i>SB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	20	0	20	17	0	17
	↶↷ Left-Through		0			0	
	↷ Through	38	0	91	56	0	97
	↷↶ Through-Right		0			0	
	↷ Right	33	0	0	24	0	0
	↷↷ Left-Through-Right		1			1	
	↷↶ Left-Right		0			0	
<b>SOUTHBOUND</b>	↷ Left	83	0	83	60	0	60
	↷↶ Left-Through		1			1	
	↷ Through	41	0	124	45	0	105
	↷↶ Through-Right		0			0	
	↷ Right	20	1	13	15	1	2
	↷↷ Left-Through-Right		0			0	
	↷↶ Left-Right		0			0	
<b>EASTBOUND</b>	↶ Left	15	1	15	26	1	26
	↶↷ Left-Through		0			0	
	↶ Through	633	1	633	577	1	577
	↶↷ Through-Right		0			0	
	↶ Right	18	1	18	51	1	51
	↶↷ Left-Through-Right		0			0	
	↶↶ Left-Right		0			0	
<b>WESTBOUND</b>	↷ Left	34	1	34	28	1	28
	↷↶ Left-Through		0			0	
	↷ Through	576	1	576	556	1	556
	↷↶ Through-Right		0			0	
	↷ Right	69	1	69	83	1	83
	↷↷ Left-Through-Right		0			0	
	↷↶ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 174 <i>East-West:</i> 667 <i>SUM:</i> 841			<i>North-South:</i> 157 <i>East-West:</i> 605 <i>SUM:</i> 762
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.561			0.508
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.461</b>			<b>0.408</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>

## Level of Service Worksheet (Circular 212 Method)



I/S #: **18**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**                                      **Analyst:**                                      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?				0			0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
		<i>NB --</i>	<i>SB --</i>		<i>NB --</i>	<i>SB --</i>	
		<i>EB --</i>	<i>WB --</i>		<i>EB --</i>	<i>WB --</i>	
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	25	0	25	34	0	34
	Left-Through		0			0	
	Through	114	0	166	170	0	229
	Through-Right		0			0	
	Right	27	0	0	25	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
<b>SOUTHBOUND</b>	Left	7	0	7	8	0	8
	Left-Through		0			0	
	Through	120	0	174	94	0	171
	Through-Right		0			0	
	Right	47	0	0	69	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
<b>EASTBOUND</b>	Left	64	1	64	48	1	48
	Left-Through		0			0	
	Through	631	1	631	550	1	550
	Through-Right		0			0	
	Right	41	1	41	61	1	61
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>WESTBOUND</b>	Left	35	1	35	41	1	41
	Left-Through		0			0	
	Through	560	1	560	548	1	548
	Through-Right		0			0	
	Right	25	1	25	25	1	25
	Left-Through-Right		0			0	
	Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 199			<i>North-South:</i> 237
				<i>East-West:</i> 666			<i>East-West:</i> 596
				<i>SUM:</i> 865			<i>SUM:</i> 833
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.577			0.555
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.477</b>			<b>0.455</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**19**

**PROJECT TITLE: AMPAS**  
**North-South Street: La Brea Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i>	0	<i>NB --</i> 0	<i>SB --</i>	0
		<i>EB --</i> 0	<i>WB --</i>	0	<i>EB --</i> 0	<i>WB --</i>	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	66	1	66	74	1	74
	↶↷ Left-Through		0			0	
	↷ Through	1340	2	670	1441	2	721
	↷↶ Through-Right		0			0	
	↷ Right	53	1	53	47	1	47
	↷↶↷ Left-Through-Right		0			0	
	↷↶↷ Left-Right		0			0	
<b>SOUTHBOUND</b>	↷ Left	80	1	80	64	1	64
	↷↶ Left-Through		0			0	
	↷ Through	1312	2	469	1378	2	486
	↷↶ Through-Right		1			1	
	↷ Right	95	0	95	79	0	79
	↷↶ Left-Through-Right		0			0	
	↷↶ Left-Right		0			0	
<b>EASTBOUND</b>	↶ Left	79	0	79	116	0	116
	↶↷ Left-Through		1			1	
	↶ Through	513	0	381	430	0	403
	↶↷ Through-Right		1			1	
	↶ Right	90	0	381	143	0	403
	↶↷ Left-Through-Right		0			0	
	↶↷ Left-Right		0			0	
<b>WESTBOUND</b>	↷ Left	35	0	35	35	0	35
	↷↶ Left-Through		1			1	
	↷ Through	466	0	501	500	0	535
	↷↶ Through-Right		0			0	
	↷ Right	92	1	52	85	1	53
	↷↶ Left-Through-Right		0			0	
	↷↶ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 750 <i>East-West:</i> 580 <i>SUM:</i> 1330			<i>North-South:</i> 785 <i>East-West:</i> 651 <i>SUM:</i> 1436
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.887			0.957
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.787</b>			<b>0.857</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>			<b>D</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE: AMPAS**  
**North-South Street: McCarthy Vista/Carillo | East-West Street: San Vicente Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date: Analyst: Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				2 0 0 0 2 0			2 0 0 0 2 0
		<i>NB</i> -- 0	<i>SB</i> -- 0		<i>NB</i> -- 0	<i>SB</i> -- 0	
		<i>EB</i> -- 0	<i>WB</i> -- 0		<i>EB</i> -- 0	<i>WB</i> -- 0	
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	117	0	117	59	0	59
	↵↔ Left-Through		1			1	
	↔ Through	496	0	493	531	0	337
	↔↗ Through-Right		1			1	
	↗ Right	22	0	493	24	0	337
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0	0		0		
<b>SOUTHBOUND</b>	↵ Left	84	0	84	83	0	83
	↵↔ Left-Through		1			1	
	↔ Through	539	1	354	383	1	275
	↔↗ Through-Right		0			0	
	↗ Right	95	0	95	19	0	19
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0	0		0		
<b>EASTBOUND</b>	↵ Left	55	1	55	30	1	30
	↵↔ Left-Through		0			0	
	↔ Through	701	2	351	578	2	289
	↔↗ Through-Right		0			0	
	↗ Right	80	1	80	33	1	33
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0	0		0		
<b>WESTBOUND</b>	↵ Left	46	1	46	18	1	18
	↵↔ Left-Through		0			0	
	↔ Through	697	2	349	507	2	254
	↔↗ Through-Right		0			0	
	↗ Right	107	1	107	89	1	89
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0	0		0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 577 <i>East-West:</i> 404 <i>SUM:</i> 981			<i>North-South:</i> 420 <i>East-West:</i> 307 <i>SUM:</i> 727
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.654			0.485
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.554</b>			<b>0.385</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: San Vicente Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity				3 0 0 0 2 0			3 0 0 0 2 0
		NB -- 0 EB -- 0	SB -- 0 WB -- 0		NB -- 0 EB -- 0	SB -- 0 WB -- 0	
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	11	0	0	5	0	0
	↵↔ Left-Through		0			0	
	↔ Through	752	2	376	859	2	430
	↔↘ Through-Right		0			0	
	↘ Right	2	0	0	0	0	0
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0	0		0		
<b>SOUTHBOUND</b>	↵ Left	105	1	105	114	1	114
	↵↔ Left-Through		0			0	
	↔ Through	958	1	502	975	1	500
	↔↘ Through-Right		1			1	
	↘ Right	45	0	45	24	0	24
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0	0		0		
<b>EASTBOUND</b>	↵ Left	37	1	37	22	1	22
	↵↔ Left-Through		0			0	
	↔ Through	747	3	249	502	3	167
	↔↘ Through-Right		0			0	
	↘ Right	120	1	120	82	1	82
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0	0		0		
<b>WESTBOUND</b>	↵ Left	0	0	0	1	0	0
	↵↔ Left-Through		0			0	
	↔ Through	702	2	351	553	2	277
	↔↘ Through-Right		0			0	
	↘ Right	158	1	106	255	1	198
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0	0		0		
<b>CRITICAL VOLUMES</b>				North-South: 502 East-West: 388 SUM: 890			North-South: 544 East-West: 299 SUM: 843
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.625			0.592
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.525</b>			<b>0.492</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	27	1	27
	↶↷ Left-Through		0	
	↷ Through	1047	2	524
	↷↶ Through-Right		0	
	↷ Right	264	1	264
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	166	1	166
	↷↶ Left-Through		0	
	↷ Through	1232	1	638
	↷↶ Through-Right		1	
	↷ Right	43	0	43
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	21	1	21
	↷↶ Left-Through		0	
	↷ Through	441	0	461
	↷↶ Through-Right		1	
	↷ Right	20	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	191	2	105
	↶↷ Left-Through		0	
	↶ Through	441	1	441
	↶↶ Through-Right		0	
	↶ Right	263	1	180
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		690
		<i>East-West:</i>		566
		<b>SUM:</b>		1256
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.881
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.781</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: **14**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Odgen Drive/Project Dv **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
		No. of Phases		2
		Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0
		Right Turns: FREE-1, NRTOR-2 or OLA-3?	NB -- 0 SB -- 0	0
			EB -- 0 WB -- 0	0
		ATSAC-1 or ATSAC+ATCS-2?		2
		Override Capacity		0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↵ Left	130	0	130
	↗ Left-Through		0	
	→ Through	0	0	0
	↘ Through-Right		0	
	↷ Right	122	0	252
	↗ Left-Through-Right		0	
↶ Left-Right		1		
SOUTHBOUND	↵ Left	4	0	4
	↗ Left-Through		0	
	→ Through	0	0	0
	↘ Through-Right		0	
	↷ Right	14	0	18
	↗ Left-Through-Right		0	
	↶ Left-Right		1	
EASTBOUND	↵ Left	15	1	15
	↗ Left-Through		0	
	→ Through	829	1	829
	↘ Through-Right		0	
	↷ Right	29	1	29
	↗ Left-Through-Right		0	
	↶ Left-Right		0	
WESTBOUND	↵ Left	18	1	18
	↗ Left-Through		0	
	→ Through	750	1	750
	↘ Through-Right		0	
	↷ Right	14	1	14
	↗ Left-Through-Right		0	
	↶ Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		256
		<i>East-West:</i>		847
		<i>SUM:</i>		1103
VOLUME/CAPACITY (V/C) RATIO:				0.735
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.635</b>
LEVEL OF SERVICE (LOS):				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	160	1	160
	↶↷ Left-Through		0	
	↷ Through	106	0	289
	↷↶ Through-Right		1	
	↷ Right	183	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	46	1	46
	↷↶ Left-Through		0	
	↷ Through	58	0	90
	↷↶ Through-Right		1	
	↷ Right	32	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	49	1	49
	↷↶ Left-Through		0	
	↷ Through	873	1	873
	↷↶ Through-Right		0	
	↷ Right	55	1	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	76	1	76
	↷↶ Left-Through		0	
	↷ Through	610	1	610
	↷↶ Through-Right		0	
	↷ Right	73	1	50
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	335
			<i>East-West:</i>	949
			<b>SUM:</b>	1284
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.856
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.756</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**16**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	46	1	46
	↶↷ Left-Through		0	
	↷ Through	496	0	533
	↷↶ Through-Right		1	
	↷ Right	37	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	47	1	47
	↷↶ Left-Through		0	
	↷ Through	420	1	420
	↷↶ Through-Right		0	
	↷ Right	73	1	73
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	34	0	0
	↶↷ Left-Through		0	
	↶ Through	1151	1	1151
	↶↷ Through-Right		0	
	↶ Right	70	1	47
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	5	0	0
	↷↶ Left-Through		0	
	↷ Through	653	1	653
	↷↶ Through-Right		0	
	↷ Right	59	1	36
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	580
			<i>East-West:</i>	1151
			<i>SUM:</i>	1731
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.154
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>1.054</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>F</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE: AMPAS**  
**North-South Street: Burnside Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	18	0	18
	↶ Left-Through		0	
	↷ Through	115	0	115
	↷ Through-Right		0	
	↷ Right	46	0	46
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	55	0	55
	↷ Left-Through		1	
	↷ Through	45	0	45
	↷ Through-Right		0	
	↷ Right	18	1	18
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	81	1	81
	↷ Left-Through		0	
	↷ Through	1162	1	1162
	↷ Through-Right		0	
	↷ Right	23	1	23
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	43	1	43
	↶ Left-Through		0	
	↶ Through	699	1	699
	↶ Through-Right		0	
	↶ Right	127	1	127
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		234
		<i>East-West:</i>		1205
		<b>SUM:</b>		1439
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.959
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.859</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>







## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**19**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> --	0
		<i>EB</i> -- 0	<i>WB</i> --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	70	1	70
	↶↷ Left-Through		0	
	↷ Through	1734	2	597
	↷↶ Through-Right		1	
	↷ Right	57	0	57
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	69	1	69
	↷↶ Left-Through		0	
	↷ Through	1551	2	544
	↷↶ Through-Right		1	
	↷ Right	81	0	81
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	4	0	0
	↶↷ Left-Through		0	
	↶ Through	1023	1	542
	↶↶ Through-Right		1	
	↶ Right	60	0	60
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	0	0	0
	↷↶ Left-Through		0	
	↷ Through	716	1	401
	↷↶ Through-Right		1	
	↷ Right	85	0	85
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	666
			<i>East-West:</i>	542
			<b>SUM:</b>	1208
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.805
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.705</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE: AMPAS**  
**North-South Street: McCarthy Vista/Carillo | East-West Street: San Vicente Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date: Analyst: Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	53	0	53
	↶↷ Left-Through		1	
	↷ Through	587	0	415
	↷↶ Through-Right		1	
	↷ Right	30	0	415
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	90	0	90
	↷↶ Left-Through		1	
	↷ Through	758	1	559
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	146	1	146
	↷↶ Left-Through		0	
	↷ Through	1085	2	543
	↷↶ Through-Right		0	
	↷ Right	126	1	126
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	27	1	27
	↷↶ Left-Through		0	
	↷ Through	729	2	365
	↷↶ Through-Right		0	
	↷ Right	147	1	147
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		612
		<b>East-West:</b>		570
		<b>SUM:</b>		1182
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.788
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.688</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	15	0	0
	↶↷ Left-Through		0	
	↷ Through	736	2	368
	↷↶ Through-Right		0	
	↷ Right	2	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	119	1	119
	↷↶ Left-Through		0	
	↷ Through	1175	1	607
	↷↶ Through-Right		1	
	↷ Right	38	0	38
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	36	1	36
	↷↶ Left-Through		0	
	↷ Through	1022	3	341
	↷↶ Through-Right		0	
	↷ Right	76	1	76
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↶ Through	731	2	366
	↶↶ Through-Right		0	
	↶ Right	194	1	135
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	607
			<i>East-West:</i>	402
			<i>SUM:</i>	1009
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.708
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.608</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #: **34**

PROJECT TITLE: **AMPAS**  
 North-South Street: **San Vicente Boulevard** East-West Street: **Olympic Boulevard**  
 Scenario: **Future with Project with Mitigation (Year 2017)**  
 Count Date: \_\_\_\_\_ Analyst: \_\_\_\_\_ Date: \_\_\_\_\_

		WEEKDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	107	1	107
	↶ Left-Through		0	
	↷ Through	749	2	375
	↷ Through-Right		0	
	↷ Right	5	1	5
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↶ Left	3	0	0
	↶ Left-Through		0	
	↷ Through	1309	3	436
	↷ Through-Right		0	
	↷ Right	0	0	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	0	0	0
	↶ Left-Through		0	
	↷ Through	1710	2	680
	↷ Through-Right		1	
	↷ Right	331	0	331
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	0	0	0
	↶ Left-Through		0	
	↷ Through	1156	2	481
	↷ Through-Right		1	
	↷ Right	288	0	288
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		543
		<b>East-West:</b>		680
		<b>SUM:</b>		1223
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.858		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.758</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>C</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	20	1	20
	↶↷ Left-Through		0	
	↷ Through	1036	2	518
	↷↶ Through-Right		0	
	↷ Right	198	1	198
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	167	1	167
	↷↶ Left-Through		0	
	↷ Through	1167	1	607
	↷↶ Through-Right		1	
	↷ Right	46	0	46
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	44	1	44
	↷↶ Left-Through		0	
	↷ Through	372	0	395
	↷↶ Through-Right		1	
	↷ Right	23	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	160	2	88
	↶↷ Left-Through		0	
	↶ Through	360	1	360
	↶↶ Through-Right		0	
	↶ Right	233	1	150
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		685
		<i>East-West:</i>		483
		<i>SUM:</i>		1168
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.820
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.720</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	108	1	108
	↶↷ Left-Through		0	
	↷ Through	50	0	196
	↷↶ Through-Right		1	
	↷ Right	146	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	35	1	35
	↷↶ Left-Through		0	
	↷ Through	48	0	82
	↷↶ Through-Right		1	
	↷ Right	34	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	37	1	37
	↷↶ Left-Through		0	
	↷ Through	563	1	563
	↷↶ Through-Right		0	
	↷ Right	76	1	22
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	86	1	86
	↷↶ Left-Through		0	
	↷ Through	598	1	598
	↷↶ Through-Right		0	
	↷ Right	50	1	33
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		231
		<b>East-West:</b>		649
		<b>SUM:</b>		880
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.587
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.487</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**16**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	65	1	65
	↶↷ Left-Through		0	
	↷ Through	419	0	444
	↶↷ Through-Right		1	
	↷ Right	25	0	0
	↶↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	58	1	58
	↷↶ Left-Through		0	
	↷ Through	403	1	403
	↷↶ Through-Right		0	
	↷ Right	109	1	63
	↷↶ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	93	1	93
	↶↷ Left-Through		0	
	↷ Through	639	1	639
	↶↷ Through-Right		0	
	↷ Right	53	1	21
	↶↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	24	1	24
	↷↶ Left-Through		0	
	↷ Through	567	1	567
	↷↶ Through-Right		0	
	↷ Right	34	1	5
	↷↶ Left-Through-Right		0	
	↷ Left-Right		0	
CRITICAL VOLUMES			<i>North-South:</i>	502
			<i>East-West:</i>	663
			<i>SUM:</i>	1165
VOLUME/CAPACITY (V/C) RATIO:				0.777
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.677</b>
LEVEL OF SERVICE (LOS):				<b>B</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**18**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> --	0
		<i>EB</i> -- 0	<i>WB</i> --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	30	0	30
	↶ Left-Through		0	
	↷ Through	216	0	275
	↷ Through-Right		0	
	↷ Right	29	0	0
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	5	0	5
	↷ Left-Through		0	
	↶ Through	136	0	186
	↶ Through-Right		0	
	↶ Right	45	0	0
	↶ Left-Through-Right		1	
	↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	65	1	65
	↶ Left-Through		0	
	↷ Through	736	1	736
	↷ Through-Right		0	
	↷ Right	61	1	61
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	30	1	30
	↶ Left-Through		0	
	↷ Through	603	1	603
	↷ Through-Right		0	
	↷ Right	27	1	27
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		280
		<i>East-West:</i>		766
		<i>SUM:</i>		1046
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.697
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.597</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**19**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	35	1	35
	↶ Left-Through		0	
	↷ Through	1164	2	582
	↷ Through-Right		0	
	↷ Right	28	1	28
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	66	1	66
	↷ Left-Through		0	
	↷ Through	1296	2	463
	↷ Through-Right		1	
	↷ Right	93	0	93
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	94	0	94
	↷ Left-Through		1	
	↷ Through	575	0	428
	↷ Through-Right		1	
	↷ Right	93	0	428
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	29	0	29
	↶ Left-Through		1	
	↷ Through	490	0	519
	↷ Through-Right		0	
	↷ Right	80	1	47
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		648
		<b>East-West:</b>		613
		<b>SUM:</b>		1261
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.841
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.741</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	110	0	110
	↶↷ Left-Through		1	
	↷ Through	531	0	387
	↷↶ Through-Right		1	
	↷ Right	23	0	387
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	85	0	85
	↷↶ Left-Through		1	
	↷ Through	515	1	343
	↷↶ Through-Right		0	
	↷ Right	67	0	67
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	44	1	44
	↶↷ Left-Through		0	
	↶ Through	706	2	353
	↶↷ Through-Right		0	
	↶ Right	26	1	26
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	43	1	43
	↷↶ Left-Through		0	
	↷ Through	855	2	428
	↷↶ Through-Right		0	
	↷ Right	77	1	77
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		472
		<b>East-West:</b>		472
		<b>SUM:</b>		944
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.629
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.529</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	12	0	0
	↶↷ Left-Through		0	
	↷ Through	826	2	413
	↷↶ Through-Right		0	
	↷ Right	1	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	110	1	110
	↷↶ Left-Through		0	
	↷ Through	1009	1	531
	↷↶ Through-Right		1	
	↷ Right	53	0	53
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	37	1	37
	↷↶ Left-Through		0	
	↷ Through	710	3	237
	↷↶ Through-Right		0	
	↷ Right	107	1	107
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	1	0	0
	↷↶ Left-Through		0	
	↷ Through	940	2	470
	↷↶ Through-Right		0	
	↷ Right	208	1	153
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	531
			<i>East-West:</i>	507
			<i>SUM:</i>	1038
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.728
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.628</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	23	1	23
	↶ Left-Through		0	
	↷ Through	1015	2	508
	↷ Through-Right		0	
	↷ Right	323	1	323
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	182	1	182
	↷ Left-Through		0	
	↷ Through	1200	1	624
	↷ Through-Right		1	
	↷ Right	48	0	48
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	29	1	29
	↶ Left-Through		0	
	↷ Through	476	0	485
	↷ Through-Right		1	
	↷ Right	9	0	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	234	2	129
	↶ Left-Through		0	
	↷ Through	429	1	429
	↷ Through-Right		0	
	↷ Right	266	1	175
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		690
		<b>East-West:</b>		614
		<b>SUM:</b>		1304
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.915
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.815</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>







## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	143	1	143
	↶↷ Left-Through		0	
	↷ Through	118	0	364
	↷↶ Through-Right		1	
	↷ Right	246	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	37	1	37
	↷↶ Left-Through		0	
	↷ Through	62	0	95
	↷↶ Through-Right		1	
	↷ Right	33	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	67	1	67
	↶↷ Left-Through		0	
	↶ Through	930	1	930
	↶↷ Through-Right		0	
	↶ Right	57	1	0
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	87	1	87
	↷↶ Left-Through		0	
	↷ Through	616	1	616
	↷↶ Through-Right		0	
	↷ Right	76	1	58
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	401
			<i>East-West:</i>	1017
			<i>SUM:</i>	1418
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.945
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.845</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**16**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	50	1	50
	↶↷ Left-Through		0	
	↷ Through	514	0	546
	↷↶ Through-Right		1	
	↷ Right	32	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	43	1	43
	↷↶ Left-Through		0	
	↷ Through	379	1	379
	↷↶ Through-Right		0	
	↷ Right	68	1	68
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	23	0	0
	↶↷ Left-Through		0	
	↶ Through	1274	1	1274
	↶↷ Through-Right		0	
	↶ Right	89	1	64
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	3	0	0
	↷↶ Left-Through		0	
	↷ Through	661	1	661
	↷↶ Through-Right		0	
	↷ Right	65	1	44
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		589
		<b>East-West:</b>		1274
		<b>SUM:</b>		1863
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.242
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>1.142</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>F</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE: AMPAS**  
**North-South Street: Burnside Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	20	0	20
	↶↷ Left-Through		0	
	↷ Through	83	0	164
	↷↶ Through-Right		0	
	↷ Right	61	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	53	0	53
	↷↶ Left-Through		1	
	↷ Through	46	0	99
	↷↶ Through-Right		0	
	↷ Right	15	1	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	86	1	86
	↷↶ Left-Through		0	
	↷ Through	1266	1	1266
	↷↶ Through-Right		0	
	↷ Right	22	1	22
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	37	1	37
	↷↶ Left-Through		0	
	↷ Through	691	1	691
	↷↶ Through-Right		0	
	↷ Right	125	1	125
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	217
			<b>East-West:</b>	1303
			<b>SUM:</b>	1520
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.013
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.913</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>E</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**18**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	25	0	25
	↵↻ Left-Through		0	
	→ Through	261	0	339
	→↻ Through-Right		0	
	↻ Right	53	0	0
	↻↻ Left-Through-Right		1	
	↻↻ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	16	0	16
	↵↻ Left-Through		0	
	→ Through	134	0	198
	→↻ Through-Right		0	
	↻ Right	48	0	0
	↻↻ Left-Through-Right		1	
	↻↻ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	159	1	159
	↵↻ Left-Through		0	
	→ Through	1223	1	1223
	→↻ Through-Right		0	
	↻ Right	51	1	51
	↻↻ Left-Through-Right		0	
	↻↻ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	27	1	27
	↵↻ Left-Through		0	
	→ Through	739	1	739
	→↻ Through-Right		0	
	↻ Right	28	1	28
	↻↻ Left-Through-Right		0	
	↻↻ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		355
		<i>East-West:</i>		1250
		<i>SUM:</i>		1605
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.070
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.970</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>E</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**19**

**PROJECT TITLE: AMPAS**  
**North-South Street: La Brea Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
				2
No. of Phases				0
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	69	1	69
	↶↷ Left-Through		0	
	↷ Through	1736	2	596
	↷↶ Through-Right		1	
	↷ Right	51	0	51
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	76	1	76
	↷↶ Left-Through		0	
	↷ Through	1552	2	541
	↷↶ Through-Right		1	
	↷ Right	71	0	71
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	7	0	0
	↷↶ Left-Through		0	
	↷ Through	1141	1	605
	↷↶ Through-Right		1	
	↷ Right	68	0	68
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	3	0	0
	↷↶ Left-Through		0	
	↷ Through	631	1	359
	↷↶ Through-Right		1	
	↷ Right	86	0	86
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		672
		<b>East-West:</b>		605
		<b>SUM:</b>		1277
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.851
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.751</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	76	0	76
	↶↷ Left-Through		1	
	↷ Through	599	0	467
	↷↶ Through-Right		1	
	↷ Right	31	0	467
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	93	0	93
	↷↶ Left-Through		1	
	↷ Through	698	1	535
	↷↶ Through-Right		0	
	↷ Right	56	0	56
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	134	1	134
	↶↷ Left-Through		0	
	↶ Through	1012	2	506
	↶↷ Through-Right		0	
	↶ Right	116	1	116
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	27	1	27
	↷↶ Left-Through		0	
	↷ Through	847	2	424
	↷↶ Through-Right		0	
	↷ Right	127	1	127
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		611
		<b>East-West:</b>		558
		<b>SUM:</b>		1169
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.779
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.679</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	15	0	0
	↶↷ Left-Through		0	
	↷ Through	750	2	375
	↷↶ Through-Right		0	
	↷ Right	4	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	93	1	93
	↷↶ Left-Through		0	
	↷ Through	1030	1	534
	↷↶ Through-Right		1	
	↷ Right	38	0	38
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	29	1	29
	↷↶ Left-Through		0	
	↷ Through	1034	3	345
	↷↶ Through-Right		0	
	↷ Right	87	1	87
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↶ Through	973	2	487
	↶↶ Through-Right		0	
	↶ Right	199	1	153
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	534
			<i>East-West:</i>	516
			<i>SUM:</i>	1050
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.737
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.637</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>





## Level of Service Worksheet (Circular 212 Method)



I/S #: **34**

**PROJECT TITLE: AMPAS**  
**North-South Street: San Vicente Boulevard East-West Street: Olympic Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date: Analyst: Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	137	1	137
	↙↔ Left-Through		0	
	↗ Through	911	2	456
	↗↔ Through-Right		0	
	↘ Right	5	1	5
	↘↔ Left-Through-Right		0	
	↙↔ Left-Right		0	
<b>SOUTHBOUND</b>	↘ Left	3	0	0
	↘↔ Left-Through		0	
	↙ Through	1143	3	381
	↙↔ Through-Right		0	
	↘ Right	0	0	0
	↘↔ Left-Through-Right		0	
	↙↔ Left-Right		0	
<b>EASTBOUND</b>	↙ Left	0	0	0
	↙↔ Left-Through		0	
	↗ Through	1674	2	659
	↗↔ Through-Right		1	
	↘ Right	303	0	303
	↘↔ Left-Through-Right		0	
	↙↔ Left-Right		0	
<b>WESTBOUND</b>	↘ Left	0	0	0
	↘↔ Left-Through		0	
	↙ Through	1072	2	444
	↙↔ Through-Right		1	
	↘ Right	259	0	259
	↘↔ Left-Through-Right		0	
	↙↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	518
			<i>East-West:</i>	659
			<i>SUM:</i>	1177
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.826
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.726</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				3			3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 2	<i>SB --</i> 0	0	<i>NB --</i> 2	<i>SB --</i> 0	0
		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	23	1	23	14	1	14
	↵↔ Left-Through		0			0	
	↔ Through	992	2	496	1073	2	537
	↔↘ Through-Right		0			0	
	↘ Right	153	1	153	180	1	180
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	183	1	183	144	1	144
	↵↔ Left-Through		0			0	
	↔ Through	1234	1	632	1117	1	584
	↔↘ Through-Right		1			1	
	↘ Right	30	0	30	50	0	50
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	45	1	45	22	1	22
	↵↔ Left-Through		0			0	
	↔ Through	357	0	384	260	0	280
	↔↘ Through-Right		1			1	
	↘ Right	27	0	0	20	0	0
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	160	2	88	207	2	114
	↵↔ Left-Through		0			0	
	↔ Through	328	1	328	269	1	269
	↔↘ Through-Right		0			0	
	↘ Right	184	1	93	188	1	116
	↵↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 679 <i>East-West:</i> 472 <i>SUM:</i> 1151			<i>North-South:</i> 681 <i>East-West:</i> 394 <i>SUM:</i> 1075
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.808			0.754
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.708</b>			<b>0.654</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>			<b>B</b>



# Level of Service Worksheet (Circular 212 Method)



I/S #: **14**

**PROJECT TITLE: AMPAS**  
**North-South Street: Odgen Drive/Project Dv East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date: Analyst: Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases					2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?					0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0		NB -- 0	SB -- 0	
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0		EB -- 0	WB -- 0	
Override Capacity					2		
					0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	93	0	93	83	0	83
	Left-Through		0			0	
	Through	0	0	0	0	0	0
	Through-Right		0			0	
	Right	58	0	151	71	0	154
	Left-Through-Right		0			0	
	Left-Right		1			1	
SOUTHBOUND	Left	4	0	4	11	0	11
	Left-Through		0			0	
	Through	0	0	0	0	0	0
	Through-Right		0			0	
	Right	19	0	23	28	0	39
	Left-Through-Right		0			0	
	Left-Right		1			1	
EASTBOUND	Left	13	1	13	11	1	11
	Left-Through		0			0	
	Through	575	1	575	496	1	496
	Through-Right		0			0	
	Right	114	1	114	147	1	147
	Left-Through-Right		0			0	
	Left-Right		0			0	
WESTBOUND	Left	74	1	74	84	1	84
	Left-Through		0			0	
	Through	580	1	580	560	1	560
	Through-Right		0			0	
	Right	8	1	8	7	1	7
	Left-Through-Right		0			0	
	Left-Right		0			0	
CRITICAL VOLUMES		North-South: 155			North-South: 165		
		East-West: 649			East-West: 580		
		SUM: 804			SUM: 745		
VOLUME/CAPACITY (V/C) RATIO:		0.536			0.497		
V/C LESS ATSAC/ATCS ADJUSTMENT:		0.436			0.397		
LEVEL OF SERVICE (LOS):		A			A		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE: AMPAS**  
**North-South Street: Curson Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 0	0	<i>NB --</i> 0	<i>SB --</i> 0	0
		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?				2			2
Override Capacity				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	89	1	89	74	1	74
	↵↔ Left-Through		0			0	
	↔ Through	48	0	166	75	0	165
	↔↗ Through-Right		1			1	
	↗ Right	118	0	0	90	0	0
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	54	1	54	49	1	49
	↵↔ Left-Through		0			0	
	↔ Through	45	0	93	57	0	95
	↔↗ Through-Right		1			1	
	↗ Right	48	0	0	38	0	0
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	26	1	26	47	1	47
	↵↔ Left-Through		0			0	
	↔ Through	509	1	509	452	1	452
	↔↗ Through-Right		0			0	
	↗ Right	82	1	38	63	1	26
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	82	1	82	98	1	98
	↵↔ Left-Through		0			0	
	↔ Through	531	1	531	555	1	555
	↔↗ Through-Right		0			0	
	↗ Right	61	1	34	76	1	52
	↗↔ Left-Through-Right		0			0	
↗↔↗ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 220 <i>East-West:</i> 591 <i>SUM:</i> 811			<i>North-South:</i> 214 <i>East-West:</i> 602 <i>SUM:</i> 816
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.541			0.544
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.441</b>			<b>0.444</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>





# Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Burnside Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases					2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?					0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> -- 0		<i>NB</i> -- 0	<i>SB</i> -- 0	
ATSAC-1 or ATSAC+ATCS-2?		<i>EB</i> -- 0	<i>WB</i> -- 0		<i>EB</i> -- 0	<i>WB</i> -- 0	
Override Capacity					2		
					0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	Left	20	0	20	17	0	17
	Left-Through		0			0	
	Through	38	0	91	56	0	97
	Through-Right		0			0	
	Right	33	0	0	24	0	0
	Left-Through-Right		1			1	
Left-Right		0			0		
<b>SOUTHBOUND</b>	Left	83	0	83	60	0	60
	Left-Through		1			1	
	Through	41	0	124	45	0	105
	Through-Right		0			0	
	Right	20	1	13	15	1	2
	Left-Through-Right		0			0	
Left-Right		0			0		
<b>EASTBOUND</b>	Left	15	1	15	26	1	26
	Left-Through		0			0	
	Through	631	1	631	575	1	575
	Through-Right		0			0	
	Right	18	1	18	51	1	51
	Left-Through-Right		0			0	
Left-Right		0			0		
<b>WESTBOUND</b>	Left	34	1	34	28	1	28
	Left-Through		0			0	
	Through	574	1	574	554	1	554
	Through-Right		0			0	
	Right	69	1	69	83	1	83
	Left-Through-Right		0			0	
Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 174			<i>North-South:</i> 157
				<i>East-West:</i> 665			<i>East-West:</i> 603
				<b>SUM:</b> 839			<b>SUM:</b> 760
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.559			0.507
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.459</b>			<b>0.407</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



I/S #: **18**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
No. of Phases		2			2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0			0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0		NB -- 0	SB -- 0	
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0		EB -- 0	WB -- 0	
Override Capacity		2			2		
		0			0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	25	0	25	34	0	34
	Left-Through		0			0	
	Through	114	0	166	170	0	229
	Through-Right		0			0	
	Right	27	0	0	25	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
SOUTHBOUND	Left	7	0	7	8	0	8
	Left-Through		0			0	
	Through	120	0	174	94	0	171
	Through-Right		0			0	
	Right	47	0	0	69	0	0
	Left-Through-Right		1			1	
	Left-Right		0			0	
EASTBOUND	Left	64	1	64	48	1	48
	Left-Through		0			0	
	Through	630	1	630	549	1	549
	Through-Right		0			0	
	Right	41	1	41	61	1	61
	Left-Through-Right		0			0	
	Left-Right		0			0	
WESTBOUND	Left	35	1	35	41	1	41
	Left-Through		0			0	
	Through	559	1	559	547	1	547
	Through-Right		0			0	
	Right	25	1	25	25	1	25
	Left-Through-Right		0			0	
	Left-Right		0			0	
CRITICAL VOLUMES		North-South: 199			North-South: 237		
		East-West: 665			East-West: 595		
		SUM: 864			SUM: 832		
VOLUME/CAPACITY (V/C) RATIO:		0.576			0.555		
V/C LESS ATSAC/ATCS ADJUSTMENT:		0.476			0.455		
LEVEL OF SERVICE (LOS):		A			A		

## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**19**

**PROJECT TITLE:** AMPAS  
**North-South Street:** La Brea Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

No. of Phases		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		0	0	2	0	0	2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?							
Right Turns: FREE-1, NRTOR-2 or OLA-3?		0	0	0	0	0	0
ATSAC-1 or ATSAC+ATCS-2?							
Override Capacity							
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	66	1	66	74	1	74
	Left-Through		0	0		0	0
	Through	1340	2	670	1441	2	721
	Through-Right		0	0		0	0
	Right	53	1	53	47	1	47
	Left-Through-Right		0	0		0	0
SOUTHBOUND	Left	80	1	80	64	1	64
	Left-Through		0	0		0	0
	Through	1312	2	469	1378	2	486
	Through-Right		1	1		1	1
	Right	95	0	95	79	0	79
	Left-Through-Right		0	0		0	0
EASTBOUND	Left	79	0	79	116	0	116
	Left-Through		1	1		1	1
	Through	512	0	380	429	0	402
	Through-Right		1	1		1	1
	Right	90	0	380	143	0	402
	Left-Through-Right		0	0		0	0
WESTBOUND	Left	35	0	35	35	0	35
	Left-Through		1	1		1	1
	Through	465	0	500	499	0	534
	Through-Right		0	0		0	0
	Right	92	1	52	85	1	53
	Left-Through-Right		0	0		0	0
<b>CRITICAL VOLUMES</b>		<i>North-South:</i> 750 <i>East-West:</i> 579 <b>SUM:</b> 1329			<i>North-South:</i> 785 <i>East-West:</i> 650 <b>SUM:</b> 1435		
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.886			0.957		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.786</b>			<b>0.857</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>C</b>			<b>D</b>		





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				2			2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 0	0	<i>NB --</i> 0	<i>SB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	117	0	117	59	0	59
	↶↷ Left-Through		1			1	
	↷ Through	495	0	493	530	0	336
	↷↶ Through-Right		1			1	
	↷ Right	22	0	493	24	0	336
	↷↷ Left-Through-Right		0			0	
	↷↷ Left-Right		0			0	
<b>SOUTHBOUND</b>	↷ Left	84	0	84	83	0	83
	↷↷ Left-Through		1			1	
	↷ Through	539	1	354	383	1	275
	↷↶ Through-Right		0			0	
	↷ Right	95	0	95	19	0	19
	↷↷ Left-Through-Right		0			0	
	↷↷ Left-Right		0			0	
<b>EASTBOUND</b>	↶ Left	55	1	55	30	1	30
	↶↷ Left-Through		0			0	
	↶ Through	701	2	351	578	2	289
	↶↶ Through-Right		0			0	
	↶ Right	80	1	80	33	1	33
	↶↷ Left-Through-Right		0			0	
	↶↷ Left-Right		0			0	
<b>WESTBOUND</b>	↷ Left	45	1	45	17	1	17
	↷↷ Left-Through		0			0	
	↷ Through	697	2	349	507	2	254
	↷↶ Through-Right		0			0	
	↷ Right	107	1	107	89	1	89
	↷↷ Left-Through-Right		0			0	
	↷↷ Left-Right		0			0	
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 577			<i>North-South:</i> 419
				<i>East-West:</i> 404			<i>East-West:</i> 306
				<i>SUM:</i> 981			<i>SUM:</i> 725
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.654			0.483
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.554</b>			<b>0.383</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: San Vicente Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases				3			3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0			0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB --</i> 0	<i>SB --</i> 0	0	<i>NB --</i> 0	<i>SB --</i> 0	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB --</i> 0	<i>WB --</i> 0	0	<i>EB --</i> 0	<i>WB --</i> 0	0
Override Capacity				2			2
				0			0
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	11	0	0	5	0	0
	↵↔ Left-Through		0			0	
	↔ Through	751	2	376	858	2	429
	↔↘ Through-Right		0			0	
	↘ Right	2	0	0	0	0	0
	↵↔↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>SOUTHBOUND</b>	↵ Left	105	1	105	114	1	114
	↵↔ Left-Through		0			0	
	↔ Through	957	1	501	974	1	499
	↔↘ Through-Right		1			1	
	↘ Right	44	0	44	23	0	23
	↵↔↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>EASTBOUND</b>	↵ Left	37	1	37	22	1	22
	↵↔ Left-Through		0			0	
	↔ Through	747	3	249	502	3	167
	↔↘ Through-Right		0			0	
	↘ Right	120	1	120	82	1	82
	↵↔↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>WESTBOUND</b>	↵ Left	0	0	0	1	0	0
	↵↔ Left-Through		0			0	
	↔ Through	702	2	351	553	2	277
	↔↘ Through-Right		0			0	
	↘ Right	157	1	105	254	1	197
	↵↔↘ Left-Through-Right		0			0	
↘↘ Left-Right		0			0		
<b>CRITICAL VOLUMES</b>				<i>North-South:</i> 501			<i>North-South:</i> 543
				<i>East-West:</i> 388			<i>East-West:</i> 299
				<i>SUM:</i> 889			<i>SUM:</i> 842
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.624			0.591
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.524</b>			<b>0.491</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>			<b>A</b>

## Level of Service Worksheet (Circular 212 Method)



I/S #: **34**

PROJECT TITLE: AMPAS

North-South Street: San Vicente Boulevard

East-West Street: Olympic Boulevard

Scenario: Future with Project with Mitigation (Year 2017)

Count Date:

Analyst:

Date:

MOVEMENT		WEEKDAY MIDDAY PEAK HOUR			SATURDAY MIDDAY PEAK HOUR		
		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
No. of Phases					3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?					0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> -- 0	0	<i>NB</i> -- 0	<i>SB</i> -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		<i>EB</i> -- 0	<i>WB</i> -- 0	0	<i>EB</i> -- 0	<i>WB</i> -- 0	0
Override Capacity					2		
					0		
MOVEMENT		Volume	No. of Lanes	Lane Volume	Volume	No. of Lanes	Lane Volume
NORTHBOUND	Left	109	1	109	98	1	98
	Left-Through		0			0	
	Through	760	2	380	574	2	287
	Through-Right		0			0	
	Right	3	1	3	8	1	8
	Left-Through-Right		0			0	
SOUTHBOUND	Left	2	0	0	2	0	0
	Left-Through		0			0	
	Through	783	3	261	791	3	264
	Through-Right		0			0	
	Right	0	0	0	0	0	0
	Left-Through-Right		0			0	
EASTBOUND	Left	1	0	0	2	0	0
	Left-Through		0			0	
	Through	808	2	314	618	2	253
	Through-Right		1			1	
	Right	133	0	133	142	0	142
	Left-Through-Right		0			0	
WESTBOUND	Left	1	0	0	0	0	0
	Left-Through		0			0	
	Through	786	2	337	634	2	292
	Through-Right		1			1	
	Right	224	0	224	242	0	242
	Left-Through-Right		0			0	
CRITICAL VOLUMES		<i>North-South:</i> 380			<i>North-South:</i> 362		
		<i>East-West:</i> 337			<i>East-West:</i> 292		
		<b>SUM:</b> 717			<b>SUM:</b> 654		
VOLUME/CAPACITY (V/C) RATIO:		0.503			0.459		
V/C LESS ATSAC/ATCS ADJUSTMENT:		0.403			0.359		
LEVEL OF SERVICE (LOS):		<b>A</b>			<b>A</b>		



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	27	1	27
	↶ Left-Through		0	
	↷ Through	1047	2	524
	↷ Through-Right		0	
	↷ Right	264	1	264
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	165	1	165
	↷ Left-Through		0	
	↷ Through	1232	1	638
	↷ Through-Right		1	
	↷ Right	43	0	43
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	21	1	21
	↷ Left-Through		0	
	↷ Through	441	0	461
	↷ Through-Right		1	
	↷ Right	20	0	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	190	2	105
	↶ Left-Through		0	
	↶ Through	440	1	440
	↶ Through-Right		0	
	↶ Right	262	1	180
	↶ Left-Through-Right		0	
	↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		689
		<i>East-West:</i>		566
		<i>SUM:</i>		1255
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.881
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.781</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



<b>I/S #:</b>	<b>PROJECT TITLE:</b> AMPAS			
<b>14</b>	<b>North-South Street:</b> Odgen Drive/Project Dv	<b>East-West Street:</b> 6th Street		
	<b>Scenario:</b> Future with Project with Mitigation (Year 2017)			
	<b>Count Date:</b>	<b>Analyst:</b>		<b>Date:</b>

		WEEKDAY PM PEAK HOUR		
		No. of Phases Opposed Ø'ing: N/S-1, E/W-2 or Both-3? Right Turns: FREE-1, NRTOR-2 or OLA-3? ATSAC-1 or ATSAC+ATCS-2? Override Capacity	NB -- EB --	SB -- WB --
		2		0
		0		0
		0		2
		0		0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	127	0	127
	↶↷ Left-Through		0	
	↷ Through	0	0	0
	↶↷↷ Through-Right		0	
	↷ Right	120	0	247
	↶↷↷ Left-Through-Right		0	
	↷↷ Left-Right		1	
<b>SOUTHBOUND</b>	↷ Left	4	0	4
	↷↷ Left-Through		0	
	↷ Through	0	0	0
	↷↷↷ Through-Right		0	
	↷ Right	14	0	18
	↷↷↷ Left-Through-Right		0	
	↷↷ Left-Right		1	
<b>EASTBOUND</b>	↶ Left	15	1	15
	↶↷ Left-Through		0	
	↷ Through	829	1	829
	↶↷↷ Through-Right		0	
	↷ Right	29	1	29
	↶↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	17	1	17
	↶↷ Left-Through		0	
	↷ Through	750	1	750
	↶↷↷ Through-Right		0	
	↷ Right	14	1	14
	↶↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		251
		<i>East-West:</i>		846
		<i>SUM:</i>		1097
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.731
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.631</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>

## Level of Service Worksheet (Circular 212 Method)


**I/S #:**  
**15**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Curson Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↰ Left	160	1	160
	↶ Left-Through		0	
	→ Through	106	0	288
	↷ Through-Right		1	
	↘ Right	182	0	0
	↷↘ Left-Through-Right		0	
	↶↘ Left-Right		0	
<b>SOUTHBOUND</b>	↰ Left	46	1	46
	↶ Left-Through		0	
	→ Through	58	0	90
	↷ Through-Right		1	
	↘ Right	32	0	0
	↷↘ Left-Through-Right		0	
	↶↘ Left-Right		0	
<b>EASTBOUND</b>	↰ Left	49	1	49
	↶ Left-Through		0	
	→ Through	871	1	871
	↷ Through-Right		0	
	↘ Right	54	1	0
	↷↘ Left-Through-Right		0	
	↶↘ Left-Right		0	
<b>WESTBOUND</b>	↰ Left	76	1	76
	↶ Left-Through		0	
	→ Through	610	1	610
	↷ Through-Right		0	
	↘ Right	73	1	50
	↷↘ Left-Through-Right		0	
	↶↘ Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		334
		<i>East-West:</i>		947
		<b>SUM:</b>		1281
VOLUME/CAPACITY (V/C) RATIO:				0.854
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.754
LEVEL OF SERVICE (LOS):				C



### Level of Service Worksheet (Circular 212 Method)



I/S #: 16

PROJECT TITLE: AMPAS  
North-South Street: Hauser Boulevard      East-West Street: 6th Street  
Scenario: Future with Project with Mitigation (Year 2017)  
Count Date:      Analyst:      Date:

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↙ Left	46	1	46
	↗ Left-Through		0	
	↔ Through	496	0	533
	↘ Through-Right		1	
	↔ Right	37	0	0
	↗ Left-Through-Right		0	
	↙ Left-Right		0	
SOUTHBOUND	↙ Left	47	1	47
	↗ Left-Through		0	
	↔ Through	420	1	420
	↘ Through-Right		0	
	↔ Right	73	1	73
	↗ Left-Through-Right		0	
	↙ Left-Right		0	
EASTBOUND	↙ Left	34	0	0
	↗ Left-Through		0	
	↔ Through	1150	1	1150
	↘ Through-Right		0	
	↔ Right	69	1	46
	↗ Left-Through-Right		0	
	↙ Left-Right		0	
WESTBOUND	↙ Left	5	0	0
	↗ Left-Through		0	
	↔ Through	652	1	652
	↘ Through-Right		0	
	↔ Right	59	1	36
	↗ Left-Through-Right		0	
	↙ Left-Right		0	
CRITICAL VOLUMES			<i>North-South:</i>	580
			<i>East-West:</i>	1150
			<i>SUM:</i>	1730
VOLUME/CAPACITY (V/C) RATIO:				1.153
V/C LESS ATSAC/ATCS ADJUSTMENT:				1.053
LEVEL OF SERVICE (LOS):				F



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE: AMPAS**  
**North-South Street: Burnside Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	18	0	18
	↶ Left-Through		0	
	↷ Through	115	0	115
	↷ Through-Right		0	
	↷ Right	46	0	46
	↷ Left-Through-Right		1	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	55	0	55
	↷ Left-Through		1	
	↷ Through	45	0	45
	↷ Through-Right		0	
	↷ Right	18	1	19
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	80	1	81
	↶ Left-Through		0	
	↷ Through	1160	1	1161
	↷ Through-Right		0	
	↷ Right	23	1	24
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	43	1	44
	↶ Left-Through		0	
	↷ Through	698	1	699
	↷ Through-Right		0	
	↷ Right	127	1	128
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		234
		<i>East-West:</i>		1203
		<i>SUM:</i>		1437
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.958
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.858</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**18**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	33	0	33
	↶↷ Left-Through		0	
	↷ Through	266	0	353
	↷↶ Through-Right		0	
	↷ Right	54	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	11	0	11
	↷↶ Left-Through		0	
	↷ Through	156	0	206
	↷↶ Through-Right		0	
	↷ Right	39	0	0
	↷↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	151	1	151
	↷↶ Left-Through		0	
	↷ Through	1061	1	1061
	↷↶ Through-Right		0	
	↷ Right	78	1	78
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	36	1	36
	↷↶ Left-Through		0	
	↷ Through	778	1	778
	↷↶ Through-Right		0	
	↷ Right	44	1	44
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	364
			<i>East-West:</i>	1097
			<b>SUM:</b>	1461
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.974
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.874</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**19**

**PROJECT TITLE: AMPAS**  
**North-South Street: La Brea Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
				2
No. of Phases				0
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	70	1	70
	↶↷ Left-Through		0	
	↷ Through	1734	2	597
	↷↶ Through-Right		1	
	↷ Right	57	0	57
	↷↶↷ Left-Through-Right		0	
↷↶↷ Left-Right		0		
<b>SOUTHBOUND</b>	↷ Left	69	1	69
	↷↶ Left-Through		0	
	↷ Through	1551	2	544
	↷↶ Through-Right		1	
	↷ Right	81	0	81
	↷↶↷ Left-Through-Right		0	
↷↶↷ Left-Right		0		
<b>EASTBOUND</b>	↷ Left	4	0	0
	↷↶ Left-Through		0	
	↷ Through	1022	1	541
	↷↶ Through-Right		1	
	↷ Right	60	0	60
	↷↶↷ Left-Through-Right		0	
↷↶↷ Left-Right		0		
<b>WESTBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↶ Through	716	1	401
	↶↷ Through-Right		1	
	↶ Right	85	0	85
	↶↷↶ Left-Through-Right		0	
↶↷↶ Left-Right		0		
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		666
		<b>East-West:</b>		541
		<b>SUM:</b>		1207
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.805
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.705</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	53	0	53
	↶↷ Left-Through		1	
	↷ Through	587	0	415
	↷↶ Through-Right		1	
	↷ Right	30	0	415
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	90	0	90
	↷↷ Left-Through		1	
	↷ Through	757	1	559
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	146	1	146
	↷↷ Left-Through		0	
	↷ Through	1085	2	543
	↷↶ Through-Right		0	
	↷ Right	126	1	126
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	27	1	27
	↷↷ Left-Through		0	
	↷ Through	729	2	365
	↷↶ Through-Right		0	
	↷ Right	147	1	147
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	612
			<b>East-West:</b>	570
			<b>SUM:</b>	1182
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.788
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.688</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		WEEKDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	15	0	0
	↶↷ Left-Through		0	
	↷ Through	735	2	368
	↷↶ Through-Right		0	
	↷ Right	2	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	118	1	118
	↷↶ Left-Through		0	
	↷ Through	1174	1	606
	↷↶ Through-Right		1	
	↷ Right	38	0	38
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	36	1	36
	↶↷ Left-Through		0	
	↶ Through	1022	3	341
	↶↷ Through-Right		0	
	↶ Right	76	1	76
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	0	0	0
	↷↶ Left-Through		0	
	↷ Through	731	2	366
	↷↶ Through-Right		0	
	↷ Right	194	1	135
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	606
			<i>East-West:</i>	402
			<i>SUM:</i>	1008
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.707
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.607</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #: 34

PROJECT TITLE: AMPAS  
 North-South Street: San Vicente Boulevard East-West Street: Olympic Boulevard  
 Scenario: Future with Project with Mitigation (Year 2017)  
 Count Date: Analyst: Date:

		WEEKDAY PM PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				3
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB --	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↶ Left	107	1	107
	↶↷ Left-Through		0	
	↷ Through	749	2	375
	↷↶ Through-Right		0	
	↷ Right	5	1	5
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
SOUTHBOUND	↷ Left	3	0	0
	↷↶ Left-Through		0	
	↷ Through	1309	3	436
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
EASTBOUND	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↶ Through	1710	2	680
	↶↷ Through-Right		1	
	↶ Right	331	0	331
	↶↷ Left-Through-Right		0	
	↶↷ Left-Right		0	
WESTBOUND	↷ Left	0	0	0
	↷↶ Left-Through		0	
	↷ Through	1156	2	481
	↷↶ Through-Right		1	
	↷ Right	288	0	288
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
CRITICAL VOLUMES		<i>North-South:</i>		543
		<i>East-West:</i>		680
		<i>SUM:</i>		1223
VOLUME/CAPACITY (V/C) RATIO:				0.858
V/C LESS ATSAC/ATCS ADJUSTMENT:				0.758
LEVEL OF SERVICE (LOS):				C



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	20	1	20
	↶ Left-Through		0	
	↷ Through	1036	2	518
	↷ Through-Right		0	
	↷ Right	196	1	196
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	164	1	164
	↷ Left-Through		0	
	↷ Through	1167	1	607
	↷ Through-Right		1	
	↷ Right	46	0	46
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	44	1	44
	↶ Left-Through		0	
	↷ Through	371	0	394
	↷ Through-Right		1	
	↷ Right	23	0	0
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	160	2	88
	↶ Left-Through		0	
	↷ Through	359	1	359
	↷ Through-Right		0	
	↷ Right	231	1	149
	↷ Left-Through-Right		0	
	↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		682
		<i>East-West:</i>		482
		<i>SUM:</i>		1164
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.817
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.717</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #: 15

PROJECT TITLE: AMPAS  
 North-South Street: Curson Avenue      East-West Street: 6th Street  
 Scenario: Future with Project with Mitigation (Year 2017)  
 Count Date:      Analyst:      Date:

			FRIDAY MIDDAY PEAK HOUR		
No. of Phases					2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?					0
Right Turns: FREE-1, NRTOR-2 or OLA-3?			NB -- 0	SB --	0
ATSAC-1 or ATSAC+ATCS-2?			EB -- 0	WB --	0
Override Capacity					2
					0
MOVEMENT		Volume	No. of Lanes	Lane Volume	
NORTHBOUND	Left	108	1		
	Left-Through		0		
	Through	50	0		
	Through-Right		1		
	Right	145	0		
	Left-Through-Right		0		
	Left-Right		0		
SOUTHBOUND	Left	35	1		
	Left-Through		0		
	Through	48	0		
	Through-Right		1		
	Right	34	0		
	Left-Through-Right		0		
	Left-Right		0		
EASTBOUND	Left	37	1		
	Left-Through		0		
	Through	560	1		
	Through-Right		0		
	Right	76	1		
	Left-Through-Right		0		
	Left-Right		0		
WESTBOUND	Left	86	1		
	Left-Through		0		
	Through	598	1		
	Through-Right		0		
	Right	50	1		
	Left-Through-Right		0		
	Left-Right		0		
<b>CRITICAL VOLUMES</b>					230
					646
					876
VOLUME/CAPACITY (V/C) RATIO:					0.584
V/C LESS ATSAC/ATCS ADJUSTMENT:					<b>0.484</b>
LEVEL OF SERVICE (LOS):					<b>A</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**16**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<i>NB</i> -- 0	<i>SB</i> -- 0	0
		<i>EB</i> -- 0	<i>WB</i> -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	64	1	64
	↶↷ Left-Through		0	
	↷ Through	418	0	443
	↷↶ Through-Right		1	
	↷ Right	25	0	0
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	58	1	58
	↷↶ Left-Through		0	
	↷ Through	403	1	403
	↷↶ Through-Right		0	
	↷ Right	110	1	64
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	93	1	93
	↷↶ Left-Through		0	
	↷ Through	637	1	637
	↷↶ Through-Right		0	
	↷ Right	53	1	21
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	24	1	24
	↷↶ Left-Through		0	
	↷ Through	565	1	565
	↷↶ Through-Right		0	
	↷ Right	34	1	5
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	501
			<i>East-West:</i>	661
			<b>SUM:</b>	1162
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.775
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.675</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE: AMPAS**  
**North-South Street: Burnside Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	11	0	11
	↶↷ Left-Through		0	
	↷ Through	49	0	96
	↷↶ Through-Right		0	
	↷ Right	36	0	0
	↷↶↷ Left-Through-Right		1	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	59	0	59
	↷↶ Left-Through		1	
	↷ Through	43	0	102
	↷↶ Through-Right		0	
	↷ Right	12	1	5
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	14	1	14
	↷↶ Left-Through		0	
	↷ Through	707	1	707
	↷↶ Through-Right		0	
	↷ Right	26	1	26
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	28	1	28
	↷↶ Left-Through		0	
	↷ Through	596	1	596
	↷↶ Through-Right		0	
	↷ Right	59	1	59
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		155
		<i>East-West:</i>		735
		<i>SUM:</i>		890
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.593
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.493</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**18**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Cochran Avenue      **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	30	0	30
	↶↷ Left-Through		0	
	↷ Through	216	0	275
	↷↶ Through-Right		0	
	↷ Right	29	0	0
	↷↶ Left-Through-Right		1	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	5	0	5
	↷↶ Left-Through		0	
	↷ Through	136	0	186
	↷↶ Through-Right		0	
	↷ Right	45	0	0
	↷↶ Left-Through-Right		1	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	65	1	65
	↷↶ Left-Through		0	
	↷ Through	735	1	735
	↷↶ Through-Right		0	
	↷ Right	61	1	61
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	30	1	30
	↷↶ Left-Through		0	
	↷ Through	602	1	602
	↷↶ Through-Right		0	
	↷ Right	27	1	27
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	280
			<i>East-West:</i>	765
			<i>SUM:</i>	1045
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.697
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.597</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**19**

**PROJECT TITLE: AMPAS**  
**North-South Street: La Brea Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	35	1	35
	↶↷ Left-Through		0	
	↷ Through	1164	2	582
	↷↶ Through-Right		0	
	↷ Right	28	1	28
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	66	1	66
	↷↶ Left-Through		0	
	↷ Through	1296	2	463
	↷↶ Through-Right		1	
	↷ Right	93	0	93
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	94	0	94
	↷↶ Left-Through		1	
	↷ Through	574	0	428
	↷↶ Through-Right		1	
	↷ Right	93	0	428
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	29	0	29
	↷↶ Left-Through		1	
	↷ Through	489	0	518
	↷↶ Through-Right		0	
	↷ Right	80	1	47
	↷↶ Left-Through-Right		0	
	↷↶ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	648
			<i>East-West:</i>	612
			<i>SUM:</i>	1260
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.840
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.740</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	110	0	110
	↶↷ Left-Through		1	
	↷ Through	530	0	387
	↷↶ Through-Right		1	
	↷ Right	23	0	387
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	85	0	85
	↷↶ Left-Through		1	
	↷ Through	515	1	343
	↷↶ Through-Right		0	
	↷ Right	67	0	67
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↶ Left	44	1	44
	↶↷ Left-Through		0	
	↶ Through	706	2	353
	↶↷ Through-Right		0	
	↶ Right	26	1	26
	↶↷↶ Left-Through-Right		0	
	↶↷↶ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	42	1	42
	↷↶ Left-Through		0	
	↷ Through	855	2	428
	↷↶ Through-Right		0	
	↷ Right	77	1	77
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		472
		<b>East-West:</b>		472
		<b>SUM:</b>		944
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.629
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.529</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY MIDDAY PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	12	0	0
	↶↷ Left-Through		0	
	↷ Through	825	2	413
	↷↶ Through-Right		0	
	↷ Right	1	0	0
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	110	1	110
	↷↶ Left-Through		0	
	↷ Through	1008	1	530
	↷↶ Through-Right		1	
	↷ Right	52	0	52
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	37	1	37
	↷↶ Left-Through		0	
	↷ Through	710	3	237
	↷↶ Through-Right		0	
	↷ Right	107	1	107
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	1	0	0
	↷↶ Left-Through		0	
	↷ Through	940	2	470
	↷↶ Through-Right		0	
	↷ Right	207	1	152
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	530
			<b>East-West:</b>	507
			<b>SUM:</b>	1037
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.728
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.628</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



I/S #: **34**

**PROJECT TITLE: AMPAS**  
**North-South Street: San Vicente Boulevard East-West Street: Olympic Boulevard**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date: Analyst: Date:**

		FRIDAY MIDDAY PEAK HOUR		
		No. of Phases		3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	154	1	154
	↶↷ Left-Through		0	
	↷ Through	899	2	450
	↷↶ Through-Right		0	
	↷ Right	9	1	9
	↷↷ Left-Through-Right		0	
				0
<b>SOUTHBOUND</b>	↷ Left	3	0	0
	↷↶ Left-Through		0	
	↷ Through	836	3	279
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↷ Left-Through-Right		0	
	↷↷ Left-Right		0	
				0
<b>EASTBOUND</b>	↷ Left	2	0	0
	↷↶ Left-Through		0	
	↷ Through	999	2	386
	↷↶ Through-Right		1	
	↷ Right	159	0	159
	↷↷ Left-Through-Right		0	
				0
<b>WESTBOUND</b>	↷ Left	0	0	0
	↷↶ Left-Through		0	
	↷ Through	890	2	382
	↷↶ Through-Right		1	
	↷ Right	256	0	256
	↷↷ Left-Through-Right		0	
				0
<b>CRITICAL VOLUMES</b>			<i>North-South:</i>	450
			<i>East-West:</i>	386
			<b>SUM:</b>	836
VOLUME/CAPACITY (V/C) RATIO:				0.587
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.487</b>
LEVEL OF SERVICE (LOS):				<b>A</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**13**

**PROJECT TITLE: AMPAS**  
**North-South Street: Fairfax Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
				3
No. of Phases				0
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 2	SB --	0
		EB -- 0	WB --	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	23	1	23
	↶↷ Left-Through		0	
	↷ Through	1015	2	508
	↷↶ Through-Right		0	
	↷ Right	323	1	323
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	181	1	181
	↷↷ Left-Through		0	
	↷ Through	1200	1	624
	↷↶ Through-Right		1	
	↷ Right	48	0	48
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	29	1	29
	↷↷ Left-Through		0	
	↷ Through	476	0	485
	↷↶ Through-Right		1	
	↷ Right	9	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	233	2	128
	↷↷ Left-Through		0	
	↷ Through	428	1	428
	↷↶ Through-Right		0	
	↷ Right	265	1	175
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
CRITICAL VOLUMES		<b>North-South:</b>		689
		<b>East-West:</b>		613
		<b>SUM:</b>		1302
VOLUME/CAPACITY (V/C) RATIO:				0.914
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.814</b>
LEVEL OF SERVICE (LOS):				<b>D</b>





## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**14**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Odgen Drive/Project Dv **East-West Street:** 6th Street  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
				2
No. of Phases				0
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↙ Left	146	0	146
	↙ Left-Through		0	
	↘ Through	0	0	0
	↘ Through-Right		0	
	↘ Right	121	0	267
	↙ Left-Through-Right		0	
	↙ Left-Right		1	
<b>SOUTHBOUND</b>	↘ Left	9	0	9
	↘ Left-Through		0	
	↙ Through	1	0	0
	↙ Through-Right		0	
	↙ Right	17	0	26
	↘ Left-Through-Right		0	
	↘ Left-Right		1	
<b>EASTBOUND</b>	↙ Left	19	1	19
	↙ Left-Through		0	
	↘ Through	917	1	917
	↘ Through-Right		0	
	↘ Right	54	1	54
	↙ Left-Through-Right		0	
	↙ Left-Right		0	
<b>WESTBOUND</b>	↘ Left	21	1	21
	↘ Left-Through		0	
	↙ Through	766	1	766
	↙ Through-Right		0	
	↙ Right	7	1	7
	↘ Left-Through-Right		0	
	↘ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		276
		<b>East-West:</b>		938
		<b>SUM:</b>		1214
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.809
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.709</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**15**

**PROJECT TITLE: AMPAS**

**North-South Street: Curson Avenue**

**East-West Street: 6th Street**

**Scenario: Future with Project with Mitigation (Year 2017)**

**Count Date:**

**Analyst:**

**Date:**

		FRIDAY PM PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<b>NB --</b> 0	<b>SB --</b>	0
ATSAC-1 or ATSAC+ATCS-2?		<b>EB --</b> 0	<b>WB --</b>	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↵ Left	143	1	143
	↵↘ Left-Through		0	
	→ Through	118	0	363
	→↘ Through-Right		1	
	→ Right	245	0	0
	↵↘ Left-Through-Right		0	
	↵↗ Left-Right		0	
SOUTHBOUND	↵ Left	37	1	37
	↵↘ Left-Through		0	
	→ Through	62	0	95
	→↘ Through-Right		1	
	→ Right	33	0	0
	↵↘ Left-Through-Right		0	
	↵↗ Left-Right		0	
EASTBOUND	↵ Left	67	1	67
	↵↘ Left-Through		0	
	→ Through	928	1	928
	→↘ Through-Right		0	
	→ Right	56	1	0
	↵↘ Left-Through-Right		0	
	↵↗ Left-Right		0	
WESTBOUND	↵ Left	87	1	87
	↵↘ Left-Through		0	
	→ Through	616	1	616
	→↘ Through-Right		0	
	→ Right	76	1	58
	↵↘ Left-Through-Right		0	
	↵↗ Left-Right		0	
CRITICAL VOLUMES			<i>North-South:</i>	400
			<i>East-West:</i>	1015
			<i>SUM:</i>	1415
VOLUME/CAPACITY (V/C) RATIO:				0.943
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.843</b>
LEVEL OF SERVICE (LOS):				<b>D</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**16**

**PROJECT TITLE: AMPAS**  
**North-South Street: Hauser Boulevard**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	50	1	50
	↵↔ Left-Through		0	
	↔ Through	514	0	546
	↔↗ Through-Right		1	
	↗ Right	32	0	0
	↗↔ Left-Through-Right		0	
	↗↖ Left-Right		0	
<b>SOUTHBOUND</b>	↖ Left	43	1	43
	↖↔ Left-Through		0	
	↔ Through	379	1	379
	↔↗ Through-Right		0	
	↗ Right	68	1	68
	↗↔ Left-Through-Right		0	
	↗↖ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	23	0	0
	↵↔ Left-Through		0	
	↔ Through	1273	1	1273
	↔↗ Through-Right		0	
	↗ Right	88	1	63
	↗↔ Left-Through-Right		0	
	↗↖ Left-Right		0	
<b>WESTBOUND</b>	↖ Left	3	0	0
	↖↔ Left-Through		0	
	↔ Through	660	1	660
	↔↗ Through-Right		0	
	↗ Right	65	1	44
	↗↔ Left-Through-Right		0	
	↗↖ Left-Right		0	
<b>CRITICAL VOLUMES</b>			<b>North-South:</b>	589
			<b>East-West:</b>	1273
			<b>SUM:</b>	1862
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.241
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>1.141</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>F</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**17**

**PROJECT TITLE: AMPAS**  
**North-South Street: Burnside Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
No. of Phases				2
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	20	0	20
	↵↔ Left-Through		0	
	↔ Through	83	0	164
	↔↘ Through-Right		0	
	↘ Right	61	0	0
	↘↔ Left-Through-Right		1	
	↘↔ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	53	0	53
	↵↔ Left-Through		1	
	↔ Through	46	0	99
	↔↘ Through-Right		0	
	↘ Right	15	1	0
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	85	1	85
	↵↔ Left-Through		0	
	↔ Through	1264	1	1264
	↔↘ Through-Right		0	
	↘ Right	22	1	22
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	37	1	37
	↵↔ Left-Through		0	
	↔ Through	690	1	690
	↔↘ Through-Right		0	
	↘ Right	125	1	125
	↘↔ Left-Through-Right		0	
	↘↔ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		217
		<i>East-West:</i>		1301
		<i>SUM:</i>		1518
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				1.012
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.912</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>E</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**18**

**PROJECT TITLE: AMPAS**  
**North-South Street: Cochran Avenue**      **East-West Street: 6th Street**  
**Scenario: Future with Project with Mitigation (Year 2017)**  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		0		
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↵ Left	25	0	25
	↗ Left-Through		0	
	→ Through	261	0	339
	↘ Through-Right		0	
	↘ Right	53	0	0
	↘↗ Left-Through-Right		1	
	↘↗ Left-Right		0	
<b>SOUTHBOUND</b>	↵ Left	16	0	16
	↗ Left-Through		0	
	→ Through	134	0	198
	↘ Through-Right		0	
	↘ Right	48	0	0
	↘↗ Left-Through-Right		1	
	↘↗ Left-Right		0	
<b>EASTBOUND</b>	↵ Left	158	1	158
	↗ Left-Through		0	
	→ Through	1222	1	1222
	↘ Through-Right		0	
	↘ Right	50	1	50
	↘↗ Left-Through-Right		0	
	↘↗ Left-Right		0	
<b>WESTBOUND</b>	↵ Left	27	1	27
	↗ Left-Through		0	
	→ Through	739	1	739
	↘ Through-Right		0	
	↘ Right	28	1	28
	↘↗ Left-Through-Right		0	
	↘↗ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		355
		<b>East-West:</b>		1249
		<b>SUM:</b>		1604
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		1.069		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.969</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>E</b>		



# Level of Service Worksheet (Circular 212 Method)



I/S #: **19**

PROJECT TITLE: AMPAS  
 North-South Street: La Brea Avenue      East-West Street: 6th Street  
 Scenario: Future with Project with Mitigation (Year 2017)  
 Count Date:    Analyst:    Date:

		FRIDAY PM PEAK HOUR		
		No. of Phases		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				2
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		EB -- 0	WB -- 0	0
Override Capacity				2
				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
NORTHBOUND	↵ Left	69	1	69
	↵↔ Left-Through		0	
	↔ Through	1736	2	596
	↔↗ Through-Right		1	
	↗ Right	51	0	51
	↗↔ Left-Through-Right		0	
	↗↔ Left-Right		0	
SOUTHBOUND	↵ Left	76	1	76
	↵↔ Left-Through		0	
	↔ Through	1552	2	541
	↔↗ Through-Right		1	
	↗ Right	71	0	71
	↗↔ Left-Through-Right		0	
	↗↔ Left-Right		0	
EASTBOUND	↵ Left	7	0	0
	↵↔ Left-Through		0	
	↔ Through	1140	1	604
	↔↗ Through-Right		1	
	↗ Right	68	0	68
	↗↔ Left-Through-Right		0	
	↗↔ Left-Right		0	
WESTBOUND	↵ Left	3	0	0
	↵↔ Left-Through		0	
	↔ Through	631	1	359
	↔↗ Through-Right		1	
	↗ Right	86	0	86
	↗↔ Left-Through-Right		0	
	↗↔ Left-Right		0	
CRITICAL VOLUMES			<i>North-South:</i>	672
			<i>East-West:</i>	604
			<i>SUM:</i>	1276
VOLUME/CAPACITY (V/C) RATIO:				0.851
V/C LESS ATSAC/ATCS ADJUSTMENT:				<b>0.751</b>
LEVEL OF SERVICE (LOS):				<b>C</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**30**

**PROJECT TITLE:** AMPAS  
**North-South Street:** McCarthy Vista/Carillo | **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:** **Analyst:** **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		2		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	76	0	76
	↶↷ Left-Through		1	
	↷ Through	599	0	467
	↷↶ Through-Right		1	
	↷ Right	31	0	467
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	93	0	93
	↷↶ Left-Through		1	
	↷ Through	697	1	535
	↷↶ Through-Right		0	
	↷ Right	56	0	56
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	134	1	134
	↷↶ Left-Through		0	
	↷ Through	1012	2	506
	↷↶ Through-Right		0	
	↷ Right	116	1	116
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	27	1	27
	↷↶ Left-Through		0	
	↷ Through	847	2	424
	↷↶ Through-Right		0	
	↷ Right	127	1	127
	↷↶↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		611
		<b>East-West:</b>		558
		<b>SUM:</b>		1169
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.779
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.679</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>B</b>



## Level of Service Worksheet (Circular 212 Method)



**I/S #:**  
**32**

**PROJECT TITLE:** AMPAS  
**North-South Street:** Fairfax Avenue      **East-West Street:** San Vicente Boulevard  
**Scenario:** Future with Project with Mitigation (Year 2017)  
**Count Date:**      **Analyst:**      **Date:**

		FRIDAY PM PEAK HOUR		
		Volume	No. of Lanes	Lane Volume
No. of Phases		3		
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?		0		
Right Turns: FREE-1, NRTOR-2 or OLA-3?		NB -- 0	SB -- 0	0
		EB -- 0	WB -- 0	0
ATSAC-1 or ATSAC+ATCS-2?		2		
Override Capacity		0		
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	15	0	0
	↶↷ Left-Through		0	
	↷ Through	749	2	375
	↷↶ Through-Right		0	
	↷ Right	4	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	92	1	92
	↷↶ Left-Through		0	
	↷ Through	1029	1	534
	↷↶ Through-Right		1	
	↷ Right	38	0	38
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	29	1	29
	↷↶ Left-Through		0	
	↷ Through	1034	3	345
	↷↶ Through-Right		0	
	↷ Right	87	1	87
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↷ Left	0	0	0
	↷↶ Left-Through		0	
	↷ Through	973	2	487
	↷↶ Through-Right		0	
	↷ Right	199	1	153
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<i>North-South:</i>		534
		<i>East-West:</i>		516
		<i>SUM:</i>		1050
<b>VOLUME/CAPACITY (V/C) RATIO:</b>		0.737		
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>		<b>0.637</b>		
<b>LEVEL OF SERVICE (LOS):</b>		<b>B</b>		



## Level of Service Worksheet (Circular 212 Method)



<b>I/S #:</b> <b>34</b>
----------------------------

<b>PROJECT TITLE:</b> AMPAS	<b>East-West Street:</b> Olympic Boulevard
<b>North-South Street:</b> San Vicente Boulevard	<b>Scenario:</b> Future with Project with Mitigation (Year 2017)
<b>Count Date:</b>	<b>Analyst:</b>
	<b>Date:</b>

		FRIDAY PM PEAK HOUR		
No. of Phases				3
Opposed Ø'ing: N/S-1, E/W-2 or Both-3?				0
Right Turns: FREE-1, NRTOR-2 or OLA-3?		<b>NB --</b> 0	<b>SB --</b> 0	0
		<b>EB --</b> 0	<b>WB --</b> 0	0
ATSAC-1 or ATSAC+ATCS-2?				2
Override Capacity				0
MOVEMENT		Volume	No. of Lanes	Lane Volume
<b>NORTHBOUND</b>	↶ Left	137	1	137
	↶↷ Left-Through		0	
	↷ Through	911	2	456
	↷↶ Through-Right		0	
	↷ Right	5	1	5
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>SOUTHBOUND</b>	↷ Left	3	0	0
	↷↷ Left-Through		0	
	↷ Through	1143	3	381
	↷↶ Through-Right		0	
	↷ Right	0	0	0
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>EASTBOUND</b>	↷ Left	0	0	0
	↷↷ Left-Through		0	
	↷ Through	1674	2	659
	↷↶ Through-Right		1	
	↷ Right	303	0	303
	↷↷ Left-Through-Right		0	
	↷↶↷ Left-Right		0	
<b>WESTBOUND</b>	↶ Left	0	0	0
	↶↷ Left-Through		0	
	↶ Through	1072	2	444
	↶↶ Through-Right		1	
	↶ Right	259	0	259
	↶↷ Left-Through-Right		0	
	↶↶↷ Left-Right		0	
<b>CRITICAL VOLUMES</b>		<b>North-South:</b>		518
		<b>East-West:</b>		659
		<b>SUM:</b>		1177
<b>VOLUME/CAPACITY (V/C) RATIO:</b>				0.826
<b>V/C LESS ATSAC/ATCS ADJUSTMENT:</b>				<b>0.726</b>
<b>LEVEL OF SERVICE (LOS):</b>				<b>C</b>



**Attachment D - Correspondence from City of Los Angeles, Bureau of  
Sanitation (April 8, 2015)**

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CITY OF LOS ANGELES  
INTER-DEPARTMENTAL CORRESPONDENCE

**DATE:** April 8, 2015

**TO:** Luciralia Ibarra, Project Coordinator  
Department of Planning

**FROM:** Ali Poosti, Division Manager  
Wastewater Engineering Services Division  
LA Sanitation

**RECEIVED**  
CITY OF LOS ANGELES

APR 16 2015

ENVIRONMENTAL  
UNIT



**SUBJECT: ACADEMY MUSEUM OF MOTION PICTURES PROJECT – NOTICE OF COMPLETION FINAL EIR**

This is in response to your February 20, 2015 letter requesting a review of your proposed mixed-use project located at 6067 Wilshire Boulevard, Los Angeles, CA 90036. The Bureau of Sanitation has conducted a preliminary evaluation of the potential impacts to the wastewater and stormwater systems for the proposed project.

**WASTEWATER REQUIREMENT**

LA Sanitation, Wastewater Engineering Services Division (WESD) is charged with the task of evaluating the local sewer conditions and to determine if available wastewater capacity exists for future developments. The evaluation will determine cumulative sewer impacts and guide the planning process for any future sewer improvements projects needed to provide future capacity as the City grows and develops.

**Projected Wastewater Discharges for the Proposed Project:**

Type Description	Average Daily Flow per Type Description (GPD/UNIT)	Proposed No. of Units	Average Daily Flow (GPD)
<i>Proposed</i>			
Theater	3 GPD/SEAT	1,350 SEATS	4,050
Conference and Banquet	3 GPD/SEAT	1,200 SEATS	3,600
Café	50 GPD/SEAT	150 SEATS	7,500
Museum Store	120 GPD/1000 SQ.FT	5,000 SQ.FT	600
<b>Total</b>			<b>15,750</b>

**SEWER AVAILABILITY**

The sewer infrastructure in the vicinity of the proposed project includes an existing 8-inch line on Wilshire Blvd RW and existing 15-inch line on Fairfax Ave. Sewage from both lines join and feed into a 21-inch line on Alley E/O Hayworth Ave and then to a 39-inch line on Crescent Heights Blvd before discharging into a 48-inch line on Crescent Heights Blvd. Figure 1 shows the details of the sewer system within the vicinity of the project. The current flow level (d/D) in the 8-inch and 15-inch lines cannot be determined at this time without additional gauging.

The current approximate flow level (d/D) and the design capacities at d/D of 50% in the sewer system are as follows:

Pipe Diameter (in)	Pipe Location	Current Gauging d/D (%)	50% Design Capacity
8	Wilshire Blvd RW	*	280,862 GPD
15	Fairfax Ave	*	1.29 MGD
15	Wilshire Blvd	38	1.27 MGD
21	Alley E/O Hayworth Ave	53	3.01 MGD
21	Cresecent Heights Blvd	48	2.85 MGD
21	Cresecent Heights Blvd	55	2.85 MGD
39	Cresecent Heights Blvd	54	16.43 MGD
48	Cresecent Heights Blvd	24	28.91 MGD

\* No gauging available

Based on the estimated flows, it appears the sewer system might be able to accommodate the total flow for your proposed project. Further detailed gauging and evaluation will be needed as part of the permit process to identify a specific sewer connection point. If the public sewer has insufficient capacity then the developer will be required to build sewer lines to a point in the sewer system with sufficient capacity. A final approval for sewer capacity and connection permit will be made at that time. Ultimately, this sewage flow will be conveyed to the Hyperion Treatment Plant, which has sufficient capacity for the project.

If you have any questions, please call Kwasi Berko of my staff at (323) 342-1562.

### **STORMWATER REQUIREMENTS**

The Bureau of Sanitation, Watershed Protection Division (WPD) is charged with the task of ensuring the implementation of the Municipal Stormwater Permit requirements within the City of Los Angeles. We anticipate the following requirements would apply for this project.

### **POST-CONSTRUCTION MITIGATION REQUIREMENTS**

The project requires implementation of stormwater mitigation measures. These requirements are based on the Standard Urban Stormwater Mitigation Plan (SUSMP) and the recently adopted Low Impact Development (LID) requirements. The projects that are subject to SUSMP/LID are required to incorporate measures to mitigate the impact of stormwater runoff. The requirements are outlined in the guidance manual titled “*Development Best Management Practices Handbook – Part B: Planning Activities*”. Current regulations prioritize infiltration, capture/use, and then biofiltration as the preferred stormwater control measures. The relevant documents can be found at: [www.lastormwater.org](http://www.lastormwater.org). It is advised that input regarding SUSMP requirements be received in the early phases of the project from WPD’s plan-checking staff.

### **GREEN STREETS**

The City is developing a Green Street Initiative that will require projects to implement Green Street elements in the parkway areas between the roadway and sidewalk of the public right-of-way to capture and retain stormwater and urban runoff to mitigate the impact of stormwater runoff and other environmental concerns. The goals of the Green Street elements are to

improve the water quality of stormwater runoff, recharge local ground water basins, improve air quality, reduce the heat island effect of street pavement, enhance pedestrian use of sidewalks, and encourage alternate means of transportation. The Green Street elements may include infiltration systems, biofiltration swales, and permeable pavements where stormwater can be easily directed from the streets into the parkways and can be implemented in conjunction with the SUSMP/LID requirements.

## **CONSTRUCTION REQUIREMENTS**

The project is required to implement stormwater control measures during its construction phase. All projects are subject to a set of minimum control measures to lessen the impact of stormwater pollution. In addition for projects that involve construction during the rainy season that is between October 1 and April 15, a Wet Weather Erosion Control Plan is required to be prepared. Also projects that disturb more than one-acre of land are subject to the California General Construction Stormwater Permit. As part of this requirement a Notice of Intent (NOI) needs to be filed with the State of California and a Storm Water Pollution Prevention Plan (SWPPP) needs to be prepared. The SWPPP must be maintained on-site during the duration of construction.

If there are questions regarding the stormwater requirements, please call Kosta Kaporis at (213) 485-0586, or WPD's plan-checking counter at (213) 482-7066. WPD's plan-checking counter can also be visited at 201 N. Figueroa, 3<sup>rd</sup> Fl, Station 18

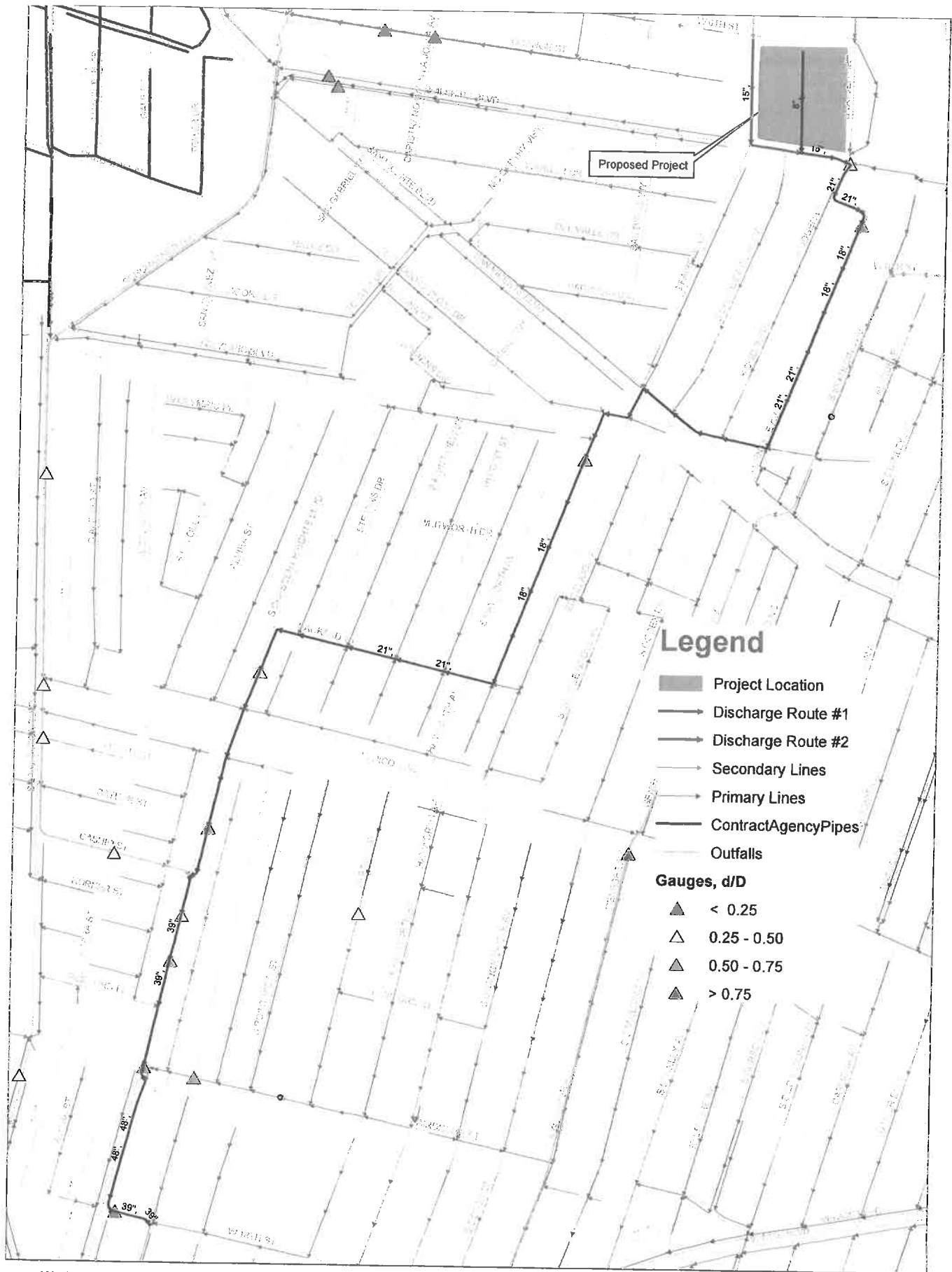
## **SOLID RESOURCE REQUIREMENTS**

The City has a standard requirement that applies to all proposed residential developments of four or more units or where the addition of floor areas is 25 percent or more, and all other development projects where the addition of floor area is 30 percent or more. Such developments must set aside a recycling area or room for onsite recycling activities. For more details of this requirement, please contact Daniel Hackney of the Special Project Division at (213)485-3684.

KBAP:tn

Attachment: Figure 1 – Sewer Map

c: Kosta Kaporis, LASAN  
Daniel Hackney, LASAN  
Eduardo Perez, LASAN



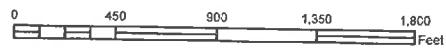
Wastewater Engineering Services Division  
 Bureau of Sanitation  
 City of Los Angeles



**FIGURE 1**  
**Academy Museum of Motion Pictures Project-**  
**Notice of Completion Final EIR**  
**Sewer Map**



Thomas Brother Data reworked with permission granted by THOMAS BROS MAP





**Attachment E - Supplemental Sewer Capacity Memorandum  
(May 11, 2015)**

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**MEMO**

DATE: May 11, 2015  
TO: Jay Ziff, Project Manager, PCR  
FROM: Brian Powers, P.E., KPFF  
RE: Academy Museum of Motion Pictures Project - Sewer Capacity  
KPFF Job No. 112394

The City of Los Angeles Bureau of Sanitation, Wastewater Engineering Services Division (“WESD”) issued a comment letter dated April 8, 2015 in response to the Notice of Completion of the Final EIR for the Project. In the letter WESD indicated that the sewer system might be able to accommodate the total flow for the Project. Based on our review of the information available there is sufficient capacity in the 15-inch sewer main in both Fairfax Avenue and Wilshire Boulevard to serve the project. This analysis reinforces the findings in the SCAR and Will Serve Letter dated November 19, 2014 which is included in the Appendix F of the Final EIR. The following discussion summarizes our opinion related to interpretation of the data provided by WESD.

The table on page 2 of 3 of the WESD letter states that there is no current gauging data available for the 15-inch sewer main on Fairfax Avenue that the Project proposes to connect to. However, there is gauging data available for the 15-inch sewer main on Wilshire Boulevard which indicates that the existing sewer main is 38% full. Design capacity for sewer mains are provided at d/D of 50% which is considered the threshold for determining whether a sewer main is constrained.

Based on City of Los Angeles records the 15-inch sewer main on Fairfax Avenue fronting the Project site is the sole, direct, upstream extension of the 15-inch sewer main on Wilshire Boulevard which fronts the Project. As such, the gauging data used to determine the available capacity of the line on Wilshire may be used to determine the available capacity of the line on Fairfax also. Further, as the line on Wilshire is downstream of the line on Fairfax, and as the Fairfax line is determined to have a greater baseline 50% design capacity than the line in Wilshire, this is a conservative approach to determining the available capacity of the 15-inch sewer main in Fairfax Avenue.

For the 15-inch sewer main on Wilshire with 1.27 million gallons per day (“MGD”) at d/D of 38%, the current flow depth is approximately 5.7 inches with a flow of approximately 776,441 gallons per day (“GPD”). With the addition of the most conservative estimate of proposed Project sewer generation of 15,750 GPD (as described in the WESD letter), the flow in the 15-inch sewer main in Wilshire will increase to approximately 792,200 GPD an increase in d/D of 0.06 inches to 5.76 inches and an increase in percentage full of 0.4% to a new capacity of 38.4% full. The resulting flow is well below the 50% design capacity of the existing 15-inch sewer main in Wilshire. Therefore, based on the data provided in the WESD letter, sufficient capacity does exist in the 15-inch sewer main on Wilshire Boulevard and Fairfax Avenue to serve the Project.

