| - | | |
|---|--|--|
| | | |
| | | |
| | | |

TRAFFIC ANALYSIS FOR RENOVATION AND REOCCUPANCY OF THE HALL OF JUSTICE

Prepared for:

HALL OF JUSTICE ASSOCIATES, INC.

Prepared by:

Crain & Associates 2007 Sawtelle Boulevard, Suite 4 Los Angeles, California 90025 (310) 473-6508

| | | | * |
|--|---|--|---|
| | | | |
| | • | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

EXECUTIVE SUMMARY

The project under consideration is the renovation and reoccupancy of the historic Hall of Justice on County property in Downtown Los Angeles. The Los Angeles County Sheriff's Department will be the primary tenants of the building. The building was fully occupied, predominately by the Sheriff's Department, in the early 1990's and abandoned after the 1994 Northridge earthquake. The original size was 549,284 gross square feet with 15 stories. There were approximately 1,343 employees and 527 inmates housed in the Hall of Justice as of 1994. The number of employees and housed inmates was much higher in previous years. After renovation, the Hall of Justice will be 475,000 gross square feet (325,000 net square feet) with 13 stories. Two interior floors will be removed for program reasons. There will be several Los Angeles County offices housed in the renovated Hall of Justice. This will include members of the Los Angeles County Sheriffs Department, District Attorney Office. Public Defenders Office, Chief Administrative Office – Los Angeles County Real Estate and Risk Management, and headquarters for the Department of Parks and Recreation. Approximately 1,630 to 1,660 full time day personnel will be located in the building. The offices housed in the building will operate essentially the same as a standard office with no night deployment of personnel and no public counters. The functions conducted by each of the departments will be essentially the same as typical office employees.

The Hall of Justice building is located on the block between Aliso Street, North Spring Street, Temple Street and North Broadway. It is currently not in use. The parking lot surrounding the building is currently utilized for general downtown parking.

Parking for the project will be provided in a new 1,000 space parking structure which will be constructed on the northern side of the Hall of Justice site. Access to the

parking area will be provided by driveways on North Broadway and North Spring Street.

Both of the driveways will be restricted to right turns in and out.

This study evaluated existing and anticipated future conditions at seven intersections in the project vicinity during the AM and PM peak hour. It is estimated that the completed project will generate approximately 1,052 net new vehicle trips per day, including 152 trips in the AM peak hour and 146 trips in the PM peak hour. This level of trip generation is not expected to significantly impact any of the seven study intersections. No project related traffic impacts are expected to the freeway system or the regionally monitored systems near the project. However, when cumulative growth is added to the future conditions, PM peak hour impacts occur at the intersection of Temple Street and North Broadway, Aliso Street/Southbound Hollywood Freeway Off-ramp and North Broadway, and the Northbound Hollywood Freeway On-ramp and North Broadway. These impacts are identified under a set of worst case assumptions where all of the currently proposed projects are built to their full intensity with none of the mitigation which would generally be imposed upon it. It is not likely that all of the cumulative projects will be built or built to the intensity currently envisioned. In addition, some of the projects will be conditioned to implement traffic improvement measures. These significant traffic impacts would occur without the proposed project and are not project related. However, in order for the project to reduce the cumulative impacts a Transportation System Management (TSM) plan will be implemented to encourage and facilitate in the employees use of the variety of opportunities for ridesharing to the downtown facility.

TABLE OF CONTENTS

| | <u>Page</u> |
|--|-------------|
| Introduction | 1 |
| Project Description | 5 |
| Environmental Setting | 8 |
| Freeways | 8 |
| Streets and Highways | 9 |
| Existing Traffic Volumes | 10 |
| Public Transit | 14 |
| Analysis of Existing Traffic Conditions | 18 |
| Project Traffic | 23 |
| Traffic Generation | 23 |
| Trip Distribution | 25 |
| Traffic Assignment | 27 |
| Parking and Access | 27 |
| Future Traffic Conditions | 31 |
| Traffic Growth | 31 |
| Cumulative Development | 34 |
| Highway System Improvements | 48 |
| Analysis of Future Traffic Conditions | 49 |
| Impacts on Regional Transportation System | 58 |
| Improvement Measures | 60 |
| Transportation System Management Program | 60 |
| Short Term Construction Parking and Traffic Analysis | 62 |

LIST OF FIGURES

| Figure | <u>No.</u> | <u>Page</u> |
|--------|---|-------------|
| 1 | Site Vicinity Map | 2 |
| 2 | Study Intersections | 4 |
| 3 | Site Plan | 7 |
| 4 | Existing (2003) Peak Hour Traffic Volumes | 11 |
| 5 | Transit Systems Map | 17 |
| 6 | Project Trip Distribution Percentages | 26 |
| 7 | Project Traffic Volumes | 28 |
| 8 | Project Driveway Volumes | 30 |
| 9 | Future (2005) Peak Hour "Without Project" Traffic Volumes | 32 |
| 10 | Related Projects Locations | 39 |
| 11 | Future (2005) Peak Hour "With Project" Traffic Volumes | 50 |
| 12 | Future (2005) Peak Hour "With Project+Cumulative" Traffic Volumes | 56 |

LIST OF TABLES

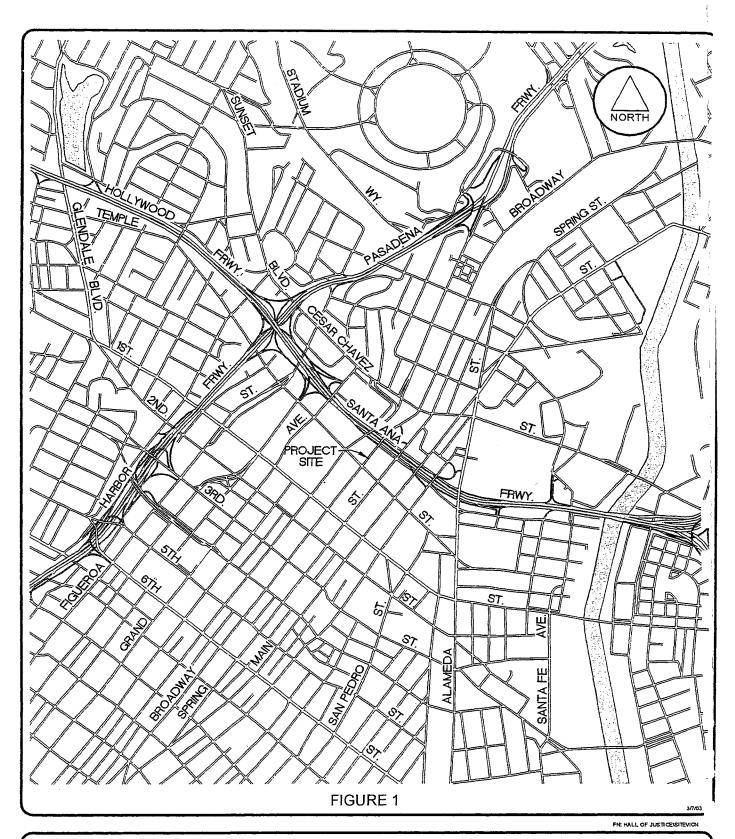
| Table No | <u>).</u> | <u>Page</u> |
|----------|---|-------------|
| 1 | Critical Volumes Ranges - Level of Service | 20 |
| 2 | Level of Service - CMA Values | 21 |
| 3 | Critical Movement Analysis (2003) - Summary | 22 |
| 4 | Project Trip Generation Rates | 24 |
| 5 | Project Generation | 25 |
| 6 | Directional Trip Distribution | 25 |
| 7 | ITE Trip Generation Rates | 34 |
| 8 | Related Projects Descriptions | 40 |
| 9 | Related Projects Trip Generation | 44 |
| 10 | Criteria for a Significant Traffic Impact | 52 |
| 11 | Critical Movement Analysis (2005) - Summary | 53 |
| 12 | Summary of Future (2005) Conditions with Cumulative Development | 55 |
| 13 | Summary of Conditions with Construction Activity | 65 |

INTRODUCTION

The project under consideration is the renovation and reoccupancy of the historic Hall of Justice on County property in Downtown Los Angeles. The Hall of Justice encompasses the entire block between Aliso Street, North Spring Street, Temple Street and North Broadway. The location of the project is shown on Figure 1, Site Vicinity Map.

The Hall of Justice will be reoccupied by mix Los Angeles County offices including the Sheriff's Department, District Attorney Office, Public Defenders Office, Chief Administrative Office (CAO) — Real Estate and Risk Management, and the headquarters of the Parks and Recreation Department. These County offices will be not have night or weekend deployment of personnel. There will be between 1,630 and 1,660 personnel in the building. Their functions will include typical office functions including morning arrival and evening departure with overtime conducted as needed. The County offices will conduct meetings as a typical office would. The Sheriff's Department will not conduct personnel functions or have a public counter in these offices. The Hall of Justice building is currently not in use. The parking lot surrounding the building is currently utilized for general downtown parking.

Parking for the project will be provided in a new 1,000 space parking structure which will be constructed on the northern side of the Hall of Justice site. Access to the parking area will be provided by driveways on North Broadway and North Spring Street.



SITE VICINITY MAP



CRAIN & ASSOCIATES

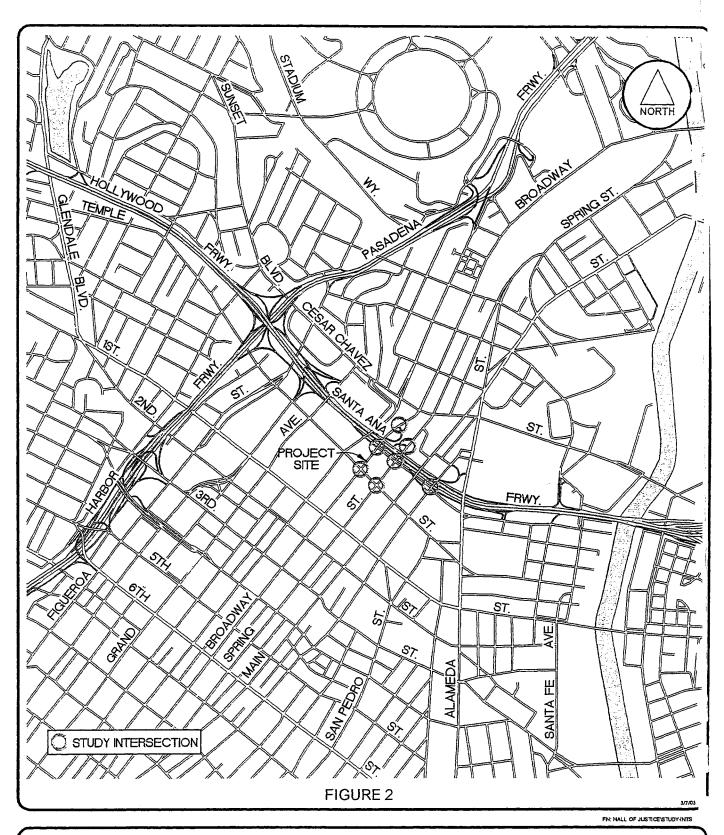
2007 Sawtelle Boulevard Los Angeles, California 90025 (310) 473-6508

Transportation Planning -Traffic Engineering

Crain & Associates has been retained to conduct a traffic study to assess the impact of the proposed reoccupancy on the surrounding street system under the requirements of the County of Los Angeles. This report presents the results of an analysis of existing conditions as well as projected traffic conditions following completion of the project. As discussed with the County of Los Angeles and the Los Angeles Department of Transportation, this analysis incorporates a detailed evaluation of existing and future traffic conditions during the AM and PM peak hour at the following seven intersections.

- North Broadway and Temple Street
- Aliso Street/Southbound 101 Freeway Off-ramp and North Broadway
- Northbound 101 Freeway On-ramp and North Broadway
- North Spring Street and Temple Street
- Aliso Street and North Spring Street
- Northbound 101 Freeway Off-ramp and North Spring Street
- Southbound 101 Freeway On-ramp and Los Angeles Street

These locations are within an area surrounding the project site and include the intersections expected to be most directly impacted by the proposed project's traffic generation. Figure 2, Study Intersection Map, illustrates the location of the study intersections.



STUDY INTERSECTIONS MAP



CRAIN & ASSOCIATES

2007 Sawtelle Boulevard Los Angeles, California 90025 (310) 473-6508

Transportation Planning ·Traffic Engineering

PROJECT DESCRIPTION

The project under consideration is the renovation and reoccupancy of the historic Hall of Justice (HOJ) on County property in the Civic Center of Downtown Los Angeles.

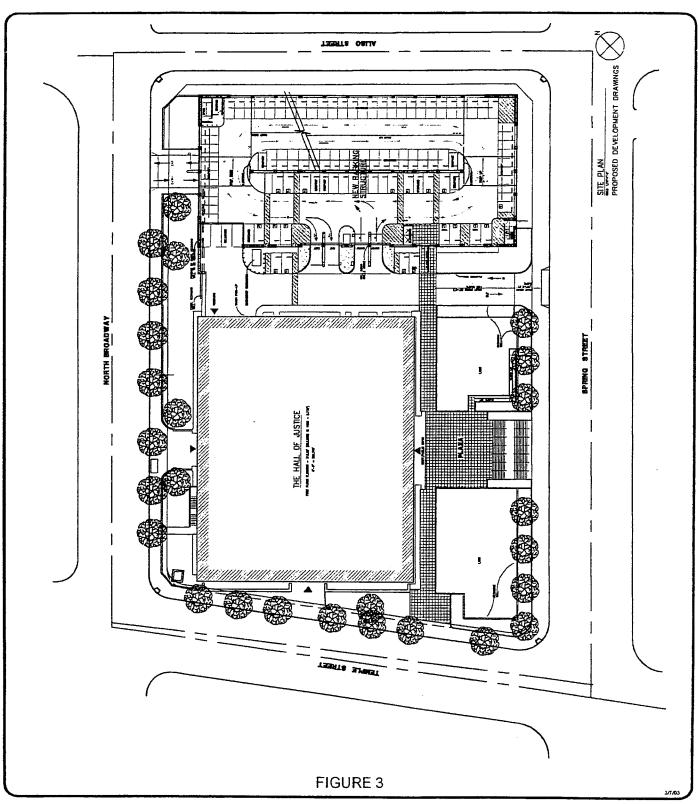
The Hall of Justice site encompasses the entire block between Aliso Street, North Spring Street, Temple Street and North Broadway.

The Los Angeles County Sheriff's Department will be the largest tenant of the building. The building was fully occupied, predominately by the Sheriff's Department through the early 1990's and vacated after the 1994 Northridge earthquake. The original size was 549,284 gross square feet with 15 stories. There were approximately 1,343 employees and 527 inmates housed in the Hall of Justice in 1994. After renovation the Hall of Justice will be 475,000 gross square feet (325,000 net square feet) with 13 stories. Two interior floors will be removed for program reasons. The renovated Hall of Justice will house several County offices including the Sheriff's Department, District Attorney, Public Defenders Office, CAO Office-Real Estate and Management Division, and headquarters for the Parks and Recreation Department. The Sheriff's Department will occasionally hold classes and all of the County offices would have meetings and visitors similar to a standard office setting. There will be no late night or weekend deployment of personnel for the Sheriff's Department from this structure. Overtime may be conducted as a standard office conducts business.

The Hall of Justice building is currently not in use. The parking lot surrounding the building is currently utilized for general downtown parking.

Parking for the project will be provided in a new 1,000 space parking structure which will be constructed on the northern side of the Hall of Justice site. Access to the parking area will be provided by one driveway on North Broadway and one driveway on

North Spring Street. Both of the driveways will be restricted to right turns in and out. Figure 3 shows a site plan with the renovated Hall of Justice and proposed parking structure.



FN: HALL OF JUSTICE_A1.01

PROJECT SITE PLAN



CRAIN & ASSOCIATES

2007 Sawtelle Boulevard
Los Angeles, California 90025
(310) 473-6508

Transportation Planning •Traffic Engineering

ENVIRONMENTAL SETTING

The site of the proposed project is located on County property in Downtown Los Angeles. The site encompasses the entire block between Aliso Street, North Spring Street, Temple Street and North Broadway. The building is situated in the Civic Center area of Downtown Los Angeles with primarily government buildings and courthouses in the project vicinity.

Freeways

As a major destination point, several freeway systems surround the Downtown Los Angeles area. West of the project site is the Harbor Freeway (State Highway 110), to the south is the Santa Monica Freeway (Interstate 10) and to the north and east is the Hollywood Freeway (US Highway 101).

Hollywood Freeway (US Highway 101) is immediately north of the project site. A southbound off-ramp creates the fourth leg of an intersection immediately adjacent at Aliso Street and North Broadway. The Hollywood Freeway provides four to five lanes in each direction in the project vicinity and provides northwest and southeast service from Downtown Los Angeles northerly. A full interchange with the Harbor Freeway is provided west of the project site.

Harbor Freeway (State Highway 110) is an eight lane facility which travels from San Pedro to the south and Pasadena to the north. The Harbor Freeway provides north-south access to and from Downtown Los Angeles. The Harbor Freeway has a full interchange with the Hollywood, Golden State and Santa Monica Freeways.

Santa Monica Freeway (Interstate 10) is an east-west facility which provides four to six lanes in each direction. The Santa Monica Freeway spans from the City of Santa Monica in the west to San Bernardino in the east through Arizona and beyond.

Streets and Highways

<u>Temple Street</u> is designated as a Class II Major Highway by the City of Los Angeles. In the project vicinity Temple Street carries two lanes in each direction with left-turn channelization at most intersections. Temple Street is the southern boundary of the project site and runs essentially northwest to southeast. Temple Street is approximately 62 feet in width in front of the project site.

North Broadway is a northeast to southwest roadway open for two-way traffic along the western boundary of the project site. It is designated as a Secondary Highway from south of Alpine Street and as a Major Highway north of Alpine Street. North Broadway is approximately 60 feet in width and carries two lanes in each direction with left turn channelization at most intersections.

North Spring Street creates the eastern boundary of the project site. It runs parallel to North Broadway in the project vicinity. North Spring Street is designated as a Class II Major Highway by the City of Los Angeles between Cesar E Chavez and 2nd Street and north of Alpine Street. It is designated as a Secondary Highway south of 2nd Street and between Cesar E Chavez and Alpine Street. North Spring Street is approximately 70 feet in width at the project site. North Spring Street is a one-way southbound street for all vehicles with the exception of buses. There are two northbound exclusive lanes for buses and four mixed-flow lanes southbound. Spring Street is part of a one-way couplet with Main Street to the east.

Main Street is a one-way northbound street which is the second part of the one-way couplet with North Spring Street. Main Street is designated as a Secondary Highway through the Civic Center area.

Aliso Street is a one-way eastbound street which is designated as a local street by the City of Los Angeles. Aliso Street is approximately 32 feet in width and provides three travel lanes. Aliso Street is part of a one-way couplet with Arcadia Street which is located to the north.

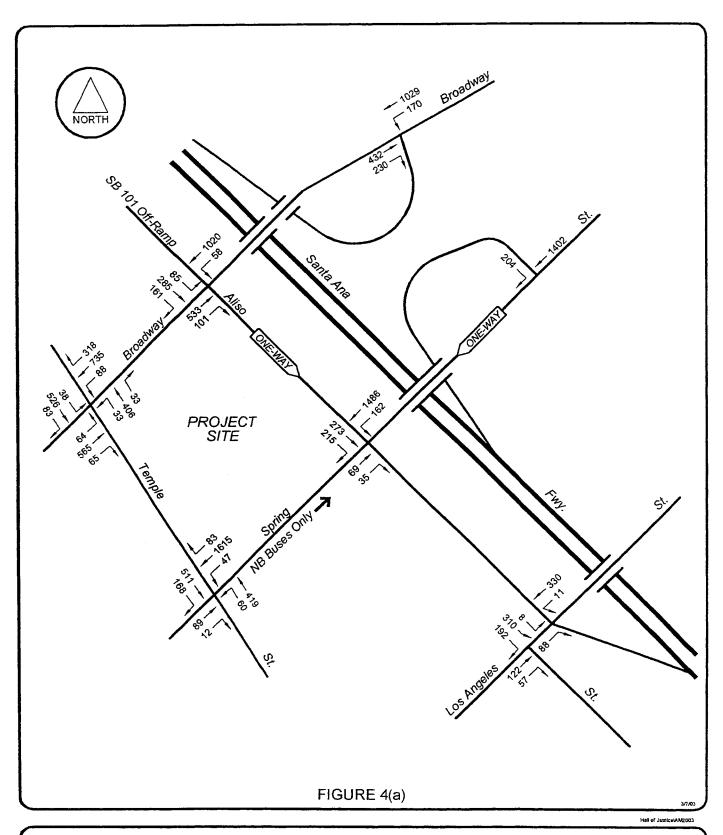
<u>Arcadia Street</u> is a one-way westbound street which is designated as a local street. It is the reverse direction of Aliso Street as the second part of the one-way couplet.

Existing Traffic Volumes

Freeway traffic volumes were obtained from the Caltrans. The traffic volume count data for the streets was obtained by recent counts performed by Crain & Associates during May 2002. These counts were supplemented with an ambient growth rate of one percent to reflect growth in the area from mid 2002 to year 2003. Existing (2003) traffic volumes during the AM and PM peak periods for the freeways and major streets in the study area are summarized on the following pages and are shown for the study intersections on Figure 4.

The Hollywood Freeway carries approximately 243,000 vehicles per day (VPD) at the junction with the Harbor Freeway. The Harbor Freeway carries approximately 323,000 VPD at the junction with the Hollywood Freeway. The Santa Monica Freeway carries approximately 338,000 VPD at the junction with the Harbor Freeway.

Temple Street carries approximately 12,500 VPD in the project vicinity. Directional volumes are approximately 650 vehicles per hour (VPH) eastbound and 470 VPH



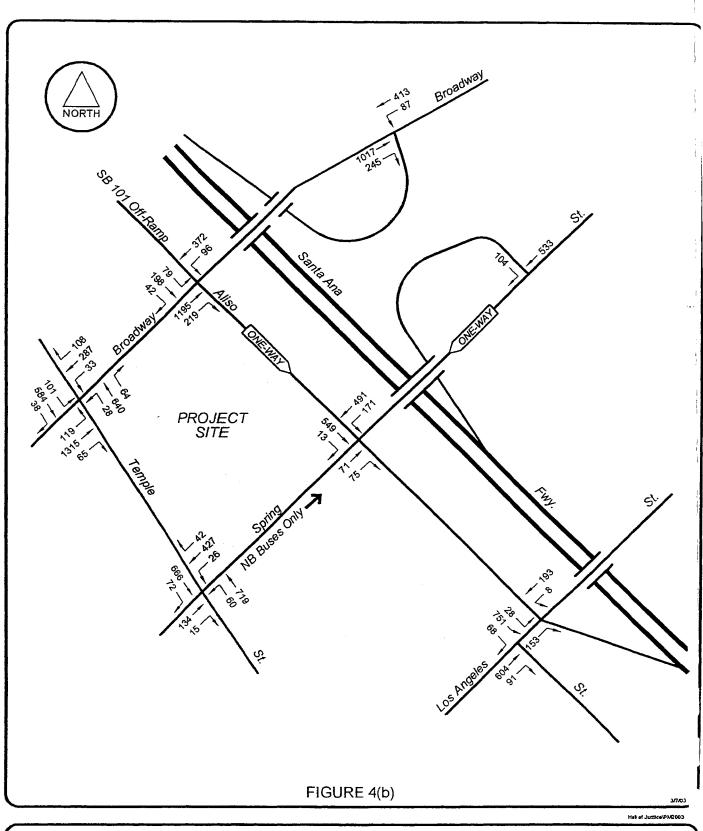
EXISTING (2003) TRAFFIC VOLUMES AM PEAK HOUR



CRAIN & ASSOCIATES

2007 Sawtelle Boulevard Los Angeles, California 90025 (310) 473-6508

Transportation Planning •Traffic Engineering



EXISTING (2003) TRAFFIC VOLUMES PM PEAK HOUR



CRAIN & ASSOCIATES

2007 Sawtelle Boulevard Los Angeles, California 90025 (310) 473-6508

Transportation Planning -Traffic Engineering

westbound during the morning peak hours and 700 VPH eastbound with 725 VPH westbound during the evening peak hours.

The average daily traffic volume for North Broadway in the vicinity of the proposed project is approximately 18,500 VPD. Directional volumes are approximately 700 VPH northbound and 1,100 VPH southbound during the morning peak hours and 1,500 VPH northbound with 400 VPH southbound during the evening peak hours.

The average daily traffic volume for North Spring Street in the vicinity of the proposed project is approximately 12,000 VPD. Directional volumes are approximately 100 VPH northbound (restricted to buses only but some other vehicles mixed in) and 1,700 VPH (mixed mode) southbound during the morning peak hours and 150 VPH (again predominately buses) northbound with 500 VPH southbound during the evening peak hours.

Aliso Street carries approximately 5,500 VPD eastbound only in the project vicinity. Peak hour volumes are approximately 500 VPH eastbound during the morning peak hours and 560 VPH eastbound during the evening peak hours.

Public Transit

The Civic Center area provides a multitude of opportunities for public transit. There are trains, buses and subways which create a network with access throughout Los Angeles County, Orange County, Ventura County and beyond. Services are provided by Los Angeles County Metropolitan Transportation Authority (MTA), which has developed an extensive system of bus, rail and subway routes to provide transit patrons with a high level of connectivity throughout the region. The Los Angeles Department of Transportation (LADOT) operates a "DASH" services that provides community-based routes to the downtown workforce and visitors at relatively low cost and provides commuter services. In addition several neighboring cities provide commuter services into and out of downtown. The routes found to operate adjacent to the project site are described below.

Metrolink — The Metrolink is a rail transportation mode available throughout the day but is heavily used during typical commuter time periods. Service is available to/from the Antelope Valley through Santa Clarita Valley and the San Fernando Valley onto downtown. Services are also available to/from San Bernardino, Riverside, Orange County and the Inland Empire.

Subway and Light Rail – The MTA operates one subway and two light rail lines with access to/from Downtown Los Angeles. The Red Line is a subway which traverses downtown, the Wilshire Center and North Hollywood. The Blue Line operates from Downtown Los Angeles to/from Long Beach. The Green Line operates from Redondo Beach, traverses close to Los Angeles International Airport and heads east to Norwalk. There is a transfer opportunity to the Blue Line into Los Angeles.

<u>Amtrak</u> operates passenger trains from Union Station to counties near and far with a greater regional reach then the aforementioned services.

MTA Lines - Downtown Los Angeles is well served with MTA routes. These lines transport passengers throughout the local and regional community.

The routes which operate along the project frontage on North Broadway include routes 2 – Sunset Boulevard, 3 – Sunset Boulevard, Beverley Drive, 4 – Santa Monica Boulevard, 45 – Broadway/Mercury Avenue, 68 – West Los Angeles Transit Center/West Washington Boulevard/Cesar E Chavez Avenue/Montebello Town Center, 302 – Sunset Boulevard Limited, 304 – Santa Monica Boulevard Limited, 410 - San Fernado/Burbank/Glendale/Glenoaks/LA Express and 418 – Canoga Park/Van Nuys/Sun Valley/LA Express.

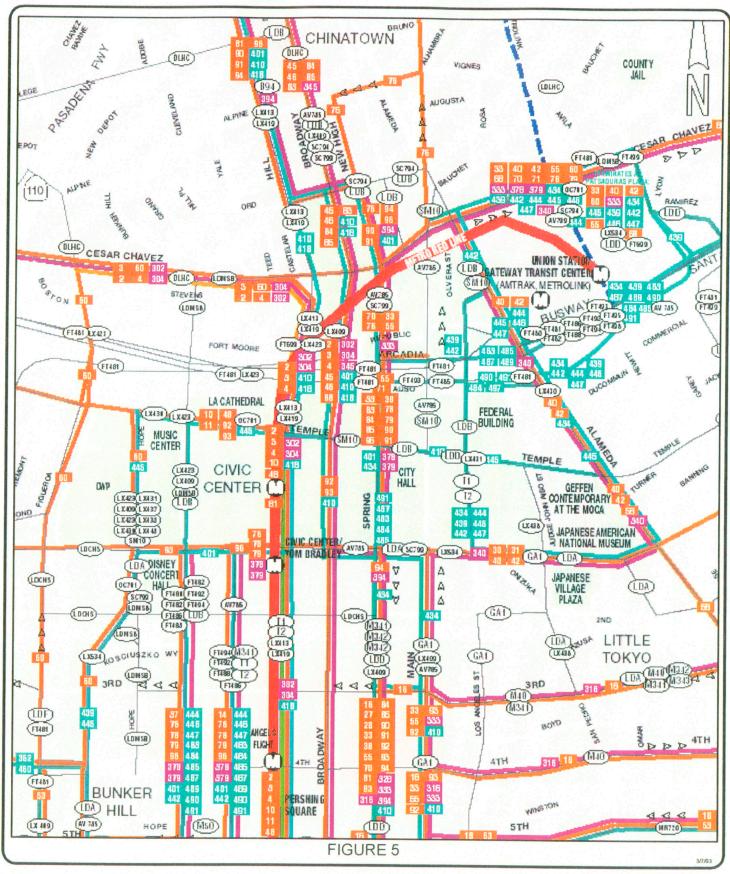
Along the project frontage on Temple Street the routes which operate are 10 – Melrose Avenue/Temple Street via Virgil Avenue, 11 – Melrose Avenue/Temple Street via Beverly Boulevard, 48 – Maple Avenue/South San Pedro Street, 92 – Gleonoaks Boulevard/Brand Boulevard via Glendale Boulevard, 93 – Glenoaks Boulevard/Brand Boulevard via Allesandro Street, 410 – San Fernando/Burbank/Glendale/Glenoaks Boulevard, and 445 – San Pedro/Artesia Transit Center/Pastaouras Transit Plaza/Union Station Express.

Routes along the project frontage on North Spring Street include route 33 – Venice Boulevard/Pastaouras Transit Plaza/Union Station, 38 – West Jefferson Boulevard, 55 – Imperial/Wilmington/Rosa Parks Metro Rail Station/Compton Avenue/Pastaouras Transit Plaza/Union Station, 70-LA/El Monte via Garvey Avenue, 71 – City Terrace/CSULA, 76 – Valley Boulevard via Main Street/El Monte Busway Station, 78 – LA/South Arcadia via Huntington Drive/Main Street/Las

Tunas Drive, 79 – LA//Arcadia via Huntington Drive, 83 – Pasadena
Avenue/Marmion Way/York Boulevard, 84 – Cypress Avenue/Eagle Rock
Boulevard, 85 – Cypress Avenue/Verdugo Road, 90 – Foothill
Boulevard/Pennsylvania Avenue/Glendale Avenue, 91 – Foothill Boulevard/La
Crescenta Avenue/Glendale Avenue, 94 – San Fernando Road, 96 –
LA/Burbank/Sherman Oaks via LA Zoo, 333 – Venice Boulevard
Limited/Patsaouras Transit Plaza/Union Station, 378 – LA/South Arcadia via
Huntington Drive/Main Street/Las Tunas Drive Limited, 379 – LA Arcadia via
Huntington Drive Limited, 394 – San Fernando Road Limited/Sylmar/San Fernando
Metrolink Station, 401 – Pasadena/LA Express/North Allen Avenue, 434 –
Malibu/Santa Monica/Patsaouras Transit Plaza/Union Station Express, 483 –
Altadena/Pasadena/Fair Oaks Avenue/LA Express, 484 – Pomona/La
Puente/Valley Boulevard/LA Express, 487 – Sierra Madre/San Gabriel
Boulevard/LA Express and 491 – Sierra Madre/Arcadia/El Monte/LA Express.

These are the routes which run along the project boundary streets. A great deal more transit is available within walking distance from the site. Figure 5 graphically presents the multitude of transit opportunities available to the employees and visitors of the renovated Hall of Justice.

<u>LADOT DASH</u> Route Dash B operates along Temple Street to/from Chinatown to the Financial District. Transfer opportunities are available to the entire Downtown Dash System including shuttles from Union Station. The cost to ride is only 25 cents per one-way trip.



FN: HALL OF JUSTICE\TRANSIT-ROUTES

TRANSIT SYSTEMS MAP



CRAIN & ASSOCIATES

2007 Sawtelle Boulevard Los Angeles, California 90025 (310) 473-6508

Transportation Planning • Traffic Engineering

<u>LADOT Commuter Express</u> – offers eleven lines from nearby communities to/from Downtown Los Angeles. These lines are available from the San Fernando Valley, Ventura County, Westside and southeast of downtown.

In addition, commuter lines are available from Foothill Transit, Orange County

Transportation Authority, Santa Clarita Transit, Santa Monica Municipal Bus Lines,

Torrance Transit and Antelope Valley Transit.

As shown by the above information, the project is well-served by direct transit links, and when transfer opportunities are considered most areas of Los Angeles are accessible via transit from the project site. Due to the proximity of project and readily accessible transit links some employees and visitors may choose transit as a viable alternative to driving.

Analysis of Existing Traffic Conditions

An analysis of current traffic conditions was conducted on the streets and highways serving the project area. Detailed traffic analyses of existing conditions were performed at the following seven intersections:

- North Broadway and Temple Street
- o Aliso Street/Southbound 101 Freeway Off-ramp and North Broadway
- Northbound 101 Freeway On-ramp and North Broadway
- North Spring Street and Temple Street
- Aliso Street and North Spring Street
- Northbound 101 Freeway Off-ramp and North Spring Street
- Southbound 101 Freeway On-ramp and Los Angeles Street

The traffic analysis was performed through the use of established traffic engineering techniques. The new traffic counts described earlier were utilized so as to reflect any recent changes in traffic demand patterns. Other data pertaining to intersection geometrics, parking-related curb restrictions and signal operations were obtained through field surveys of the study locations.

The methodology used in this study for the intersection analysis and evaluation of traffic operations at each study intersection is based on procedures outlined in Circular Number 212 of the Transportation Research Board. In the discussion of Critical Movement Analysis for signalized intersections, procedures have been developed for determining operating characteristics of an intersection in terms of the "Level of Service" provided for different levels of traffic volume and other variables, such as the number of signal phases. The term "Level of Service" (LOS) describes the quality of traffic flow. LOS A to C operate quite well. LOS D typically is the level for which a metropolitan area street system is designed. LOS E represents volumes at or near the capacity of the highway which might result in stoppages of momentary duration and fairly unstable flow. LOS F occurs when a facility is overloaded and is characterized by stop-and-go traffic with stoppages of long duration.

A determination of the LOS at an intersection, where traffic volumes are known or have been projected, can be obtained through a summation of the critical movement volumes at that intersection. Once the sum of critical movement volumes has been obtained, the values indicated in Table 1 can be used to determine the applicable LOS.

¹ <u>Interim Materials on Highway Capacity</u>, Circular Number 212, Transportation Research Board, Washington, D.C., 1980.

Table 1
Critical Movement Volume Ranges*
For Determining Levels of Service

| | <u>Maximum</u> | Maximum Sum of Critical Volumes (VPH) | | | | | |
|---------------------|---------------------|---------------------------------------|-------------------------------|--|--|--|--|
| Level of Service | Two <u>Phase</u> | Three <u>Phase</u> | Four or <u>More Phases</u> | | | | |
| Α | 900 | 855 | 825 | | | | |
| В | 1,050 | 1,000 | 965 | | | | |
| С | 1,200 | 1,140 | 1,100 | | | | |
| D | 1,350 | 1,275 | 1,225 | | | | |
| E | 1,500 | 1,425 | 1,375 | | | | |
| F | | Not Applicable | e | | | | |

For planning applications only, i.e., not appropriate for operations and design applications.

"Capacity" represents the maximum total hourly movement volume of vehicles in the critical lanes which has a reasonable expectation of passing through an intersection under prevailing roadway and traffic conditions. For planning purposes, capacity equates to the maximum value of LOS E, as indicated in Table 1. The Critical Movement Analysis (CMA) indices used in this study were calculated by dividing the sum of critical movement volumes by the appropriate capacity value for the type of signal control present or proposed at the study intersections. Thus, the LOS corresponding to a range of CMA values is shown in Table 2.

Table 2
Level of Service
As a Function of CMA Values

| Level of Service | Description of Operating Characteristics | Range of CMA Values |
|---------------------|--|------------------------|
| Α | Uncongested operations; all vehicles clear in a single cycle. | < 0.60 |
| В | Same as above. | >0.60 < 0.70 |
| С | Light congestion; occasional backups on critical approaches. | >0.70 < 0.80 |
| D | Congestion on critical approaches, but intersection functional. Vehicles required to wait through more than one cycle during short peaks. No long-standing lines formed. | >0.80 < 0.90 |
| Е | Severe congestion with some long-standing lines on critical approaches. Blockage of intersection may occur if traffic signal does not provide for protected turning movements. | >0.90 < 1.00 |
| F | Forced flow with stoppages of long duration. | > 1.00 |

By applying this analysis procedure to the study intersections, the CMA value and the corresponding LOS for existing traffic conditions were calculated. Those values, for existing (2003) AM and PM peak hour conditions, are shown in Table 3.

Table 3
Critical Movement Analysis Summary
Existing (2003) Traffic Conditions

| <u>No.</u> | Intersection | AM Pe | ak Hour LOS | PM Pea | <u>LOS</u> |
|------------|--|-------|----------------|--------|------------|
| 1. | N. Broadway & Temple St. | 0.431 | Α | 0.714 | С |
| 2. | Aliso St./SB 101 Fwy Off & N. Broadway | 0.394 | Α | 0.485 | Α |
| 3. | NB 101 Fwy On & N. Broadway | 0.428 | Α | 0.598 | Α |
| 4. | N. Spring St. & Temple St. | 0.479 | Α | 0.309 | Α |
| 5. | Aliso St. & N. Spring St. | 0.333 | A | 0.246 | Α |
| 6. | NB 101 Fwy Off & N. Spring St. | 0.377 | Α | 0.154 | Α |
| 7. | SB 101 Fwy On & Los Angeles St. | 0.184 | Α | 0.285 | Α |

PROJECT TRAFFIC

The following section describes the methodology used to determine the trip generation, distribution and assignment of the proposed project.

Traffic Generation

The occupancy in the Hall of Justice was approximately 1,343 employees and 527 inmates on 15 floors and 549,284 gross square feet in 1994. After renovation, the Hall of Justice will be 475,000 gross square feet (325,000 net square feet) with 13 stories. Two interior floors will be removed for program reasons. The renovated County Hall of Justice building will be occupied by the County Sheriff's Department, District Attorney's Office, Public Defenders Office, CAO Office – Real Estate and Risk Management, and Parks and Recreation with 1,630 to 1,660 full time day personnel. The operations conducted in the building will be very similar to a typical office building with the employees working a typical work day. There would potentially be meetings and visitors much as a typical office would conduct business. The County offices in the Hall of Justice building would not have nighttime of weekend deployment of personnel beyond typical office over time needs. The Sheriff's Department will not have a public counter or conduct personnel functions from the Hall of Justice. Based on the project description the trip generation is based upon General Office and on the greater number of employees (1,660) anticipated to occupy the building.

Traffic-generating characteristics of land uses, such as an office building, have been extensively surveyed and documented in studies conducted under the auspices of the Institute of Transportation Engineers (ITE). The most recent information is available in the ITE 6th Edition <u>Trip Generation</u> Manual, which was used as a basis for project trip

generation. This publication indicated that office buildings with employees as estimated generally exhibit the following trip-making characteristics:

Table 4 **Trip Generation Rates***

General Office (trips per employee)

T = 3.32(E)Daily:

T = 0.48 (E); I/B = 88%, O/B = 12%AM Peak Hour PM Peak Hour: T = 0.46 (E); I/B = 17%, O/B = 83%

T = trip ends; E = employee; I/B = inbound;

O/B = outbound

*Source: ITE Trip Generation, 6th Edition (1997).

On the basis of the above traffic generation rates, projections of the amount of new traffic to be generated by the proposed site were derived. Traffic generation discounts were applied for the previous occupancy of the building. Once renovated and fully occupied, the project is expected to generate approximately 1,052 net new daily trips, with 133 net trips inbound and 19 net outbound trips during the AM peak hour and approximately 25 net trips inbound and 121 net trips outbound during the PM peak hour at adjacent intersections. Table 5 shows the project trip generation calculation.

Table 5
Project Trip Generation

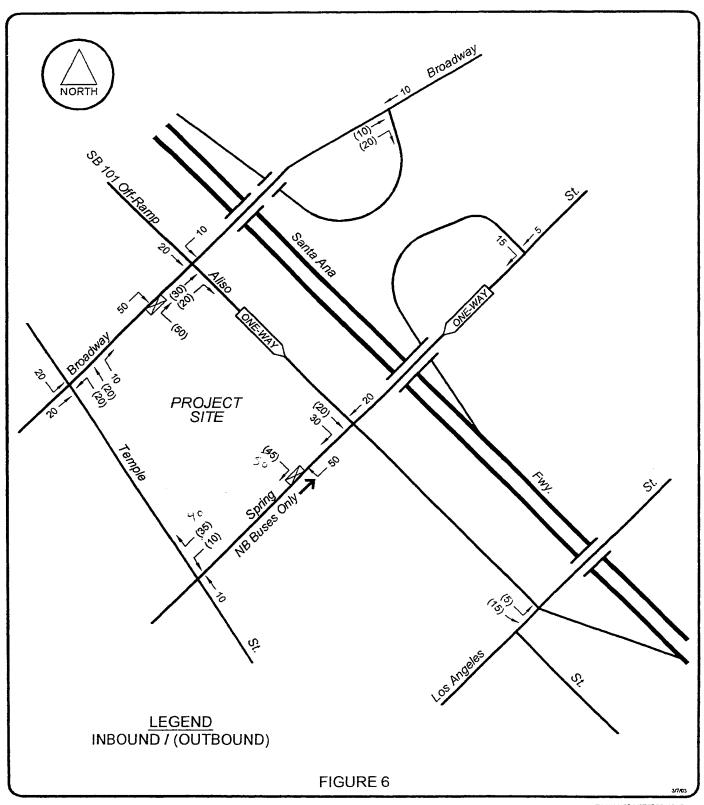
| | Size (employees) | Daily <u>Traffic</u> | <u>Al</u> <u>I/B</u> | M Peak O/B | Hour Total | <u>P!</u> <u>I/B</u> | M Peak O/B | Hour Total |
|---------------------|---------------------|-------------------------|-------------------------|---------------|---------------|-------------------------|---------------|---------------|
| Proposed Occupancy | 1,660 | 5,511 | 701 | 96 | 797 | 130 | 634 | 764 |
| Previous Occupancy | 1,343 | 4,459 | 568 | 77 | 645 | 105 | 513 | 618 |
| Net Project Traffic | 317 | 1,052 | 133 | 19 | 152 | 25 | 121 | 146 |

Trip Distribution

Determination of the geographic distribution of generated trips was the next step in the process. A primary factor affecting trip distribution is the relative distribution of population from which prospective employees and visitors of the proposed project would be drawn. Trip-making patterns and land use in the project area were analyzed and percentage trip distributions were developed. The project is located in the Civic Center just south of the 101 Freeway. Therefore, freeway access is readily available. The percentage split of trips, by direction, is shown in Table 6 and graphically presented in Figure 6.

Table 6
Directional Trip Distribution

| Direction | | Percentage of Trips |
|------------------|--------|---------------------|
| North | | 40% |
| South | | 20% |
| East | | 20% |
| West | | 20% |
| | Total: | 100% |



FN: HALL OF JUSTICE/PROJEIST

PROJECT DISTRIBUTION PERCENTAGES



CRAIN & ASSOCIATES

2007 Sawtelle Boulevard Los Angeles, California 90025 (310) 473-6508

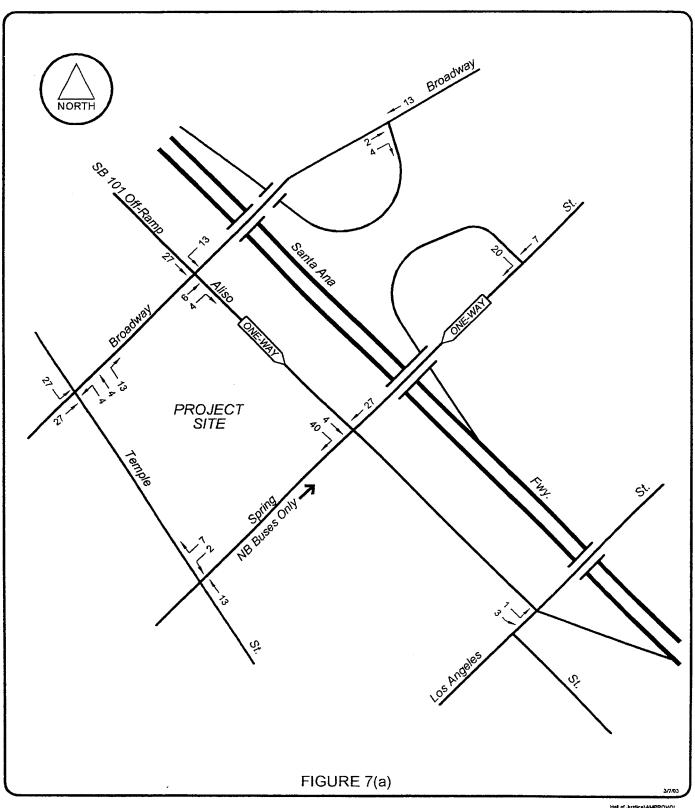
Transportation Planning -Traffic Engineering

Traffic Assignment

The assignment of project traffic to the street and highway systems was accomplished in two steps. Using the directional distribution percentages for the surface streets developed previously, the number of trips in each direction was calculated. The second step was to assign these trips to specific routes serving the project area. The results of the traffic assignment provide the necessary level of detail to conduct the traffic analysis. The results of the traffic assignments are shown in Figures 7(a) and 7(b), Project Traffic Volume, which estimate the project AM and PM peak hour traffic on the nearby street system for the proposed uses of each site.

Parking and Access

Parking for the renovated building will be provided in a new 1,000 space parking structure. The new parking structure will be constructed along the northern boundary of the project site. Access to the new parking structure will be provided for staff card key access on North Broadway and on North Spring Street. No vehicular access will be provided from Temple Street or Aliso Street. In order to maintain traffic flow on the project's boundary roadways, all of the driveways will be restricted to right turns in and out of the site. The project driveway volumes are illustrated on Figure 8. These figures do not incorporate the discount for the previous use but instead reflect the traffic which is anticipated to be turning into the driveways subsequent to the renovation.



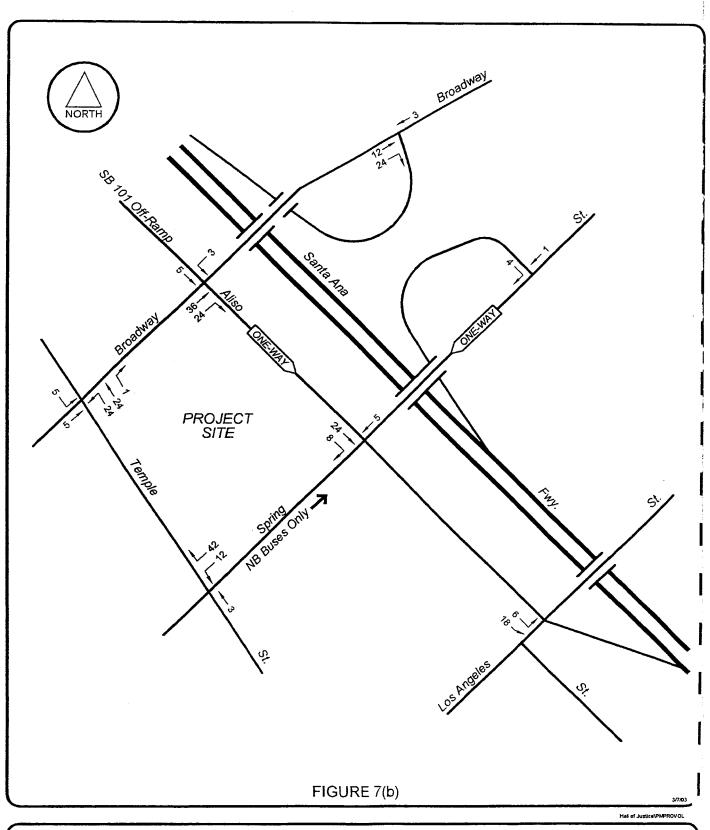
Hall of Justice AMPROVOL

FUTURE (2005) TRAFFIC VOLUMES PROJECT ONLY AM PEAK HOUR



CRAIN & ASSOCIATES

2007 Sawtelle Boulevard
Los Angeles, California 90025
(310) 473-6508

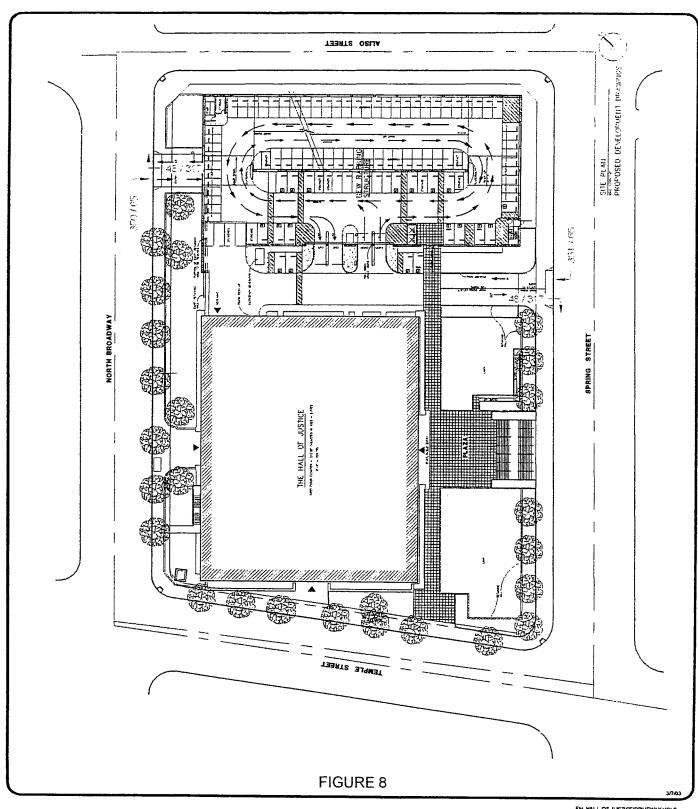


FUTURE (2005) TRAFFIC VOLUMES PROJECT ONLY PM PEAK HOUR



CRAIN & ASSOCIATES

2007 Sawtelle Boulevard
Los Angeles, California 90025
(310) 473-6508
Transportation Planning -Traffic Engineering



FN HALL OF JUSTICE/DRIVEWAY-VOLS

DRIVEWAY VOLUMES WITHOUT REDUCTION FOR PREVIOUS USE AM / PM PEAK HOUR



CRAIN & ASSOCIATES

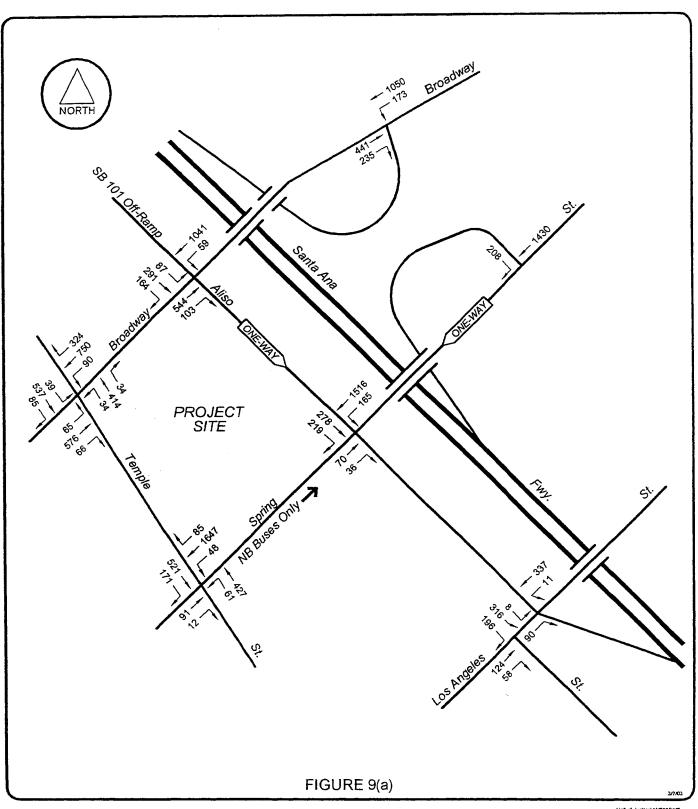
2007 Sawtelle Boulevard
Los Angeles, California 90025
(310) 473-6508

FUTURE TRAFFIC CONDITIONS

Other projects under development in the downtown area could add substantial amounts of traffic to the project area. For this reason, the analysis of future traffic conditions has been expanded to include potential traffic from as yet undeveloped or unoccupied projects. Briefly, the methodology for estimating future traffic volumes was as follows: First, current traffic volumes were determined by traffic counts (as described in a preceding section). Next, a traffic growth factor of 1.0 percent compounded annually was applied to develop a 2005 baseline "Without Project" figure. Project traffic, calculated previously, was analyzed as an incremental addition to the 2005 Without Project condition. Traffic expected to be generated from cumulative development in the study area was then added to the "With Project" traffic volumes to evaluate the affect of other projects in the area with the project on traffic.

Traffic Growth

Based on an analysis of the trends in traffic growth in the central Los Angeles area over the last several years, an annual traffic growth factor of 1.0 percent appeared conservative. This growth factor was used to account for increases in traffic resulting from projects not yet proposed or outside of the study area. This growth factor, compounded annually, was applied to the 2003 traffic volumes to develop an estimate of 2005 baseline volumes. The future 2005 traffic volumes without the project and without the cumulative projects is detailed in Figure 9 (a) for AM peak hours and Figure 9 (b) for PM peak hours.



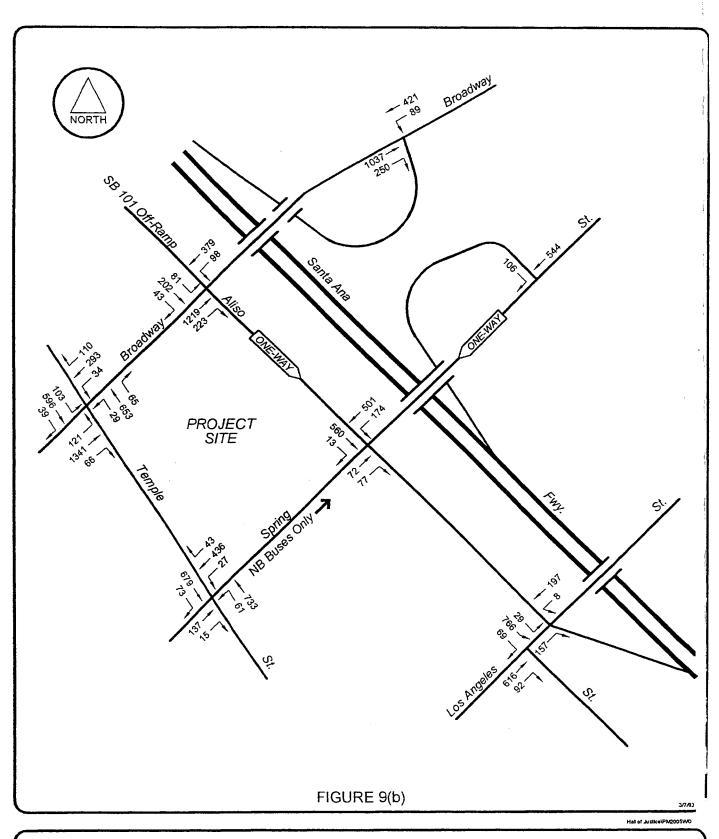
Hall of Justice\AM2005WO

FUTURE (2005) TRAFFIC VOLUMES WITHOUT PROJECT AM PEAK HOUR



CRAIN & ASSOCIATES

2007 Sawtelle Boulevard Los Angeles, California 90025 (310) 473-6508



FUTURE (2005) TRAFFIC VOLUMES WITHOUT PROJECT PM PEAK HOUR



CRAIN & ASSOCIATES

2007 Sawtelle Boulevard Los Angeles, California 90025 (310) 473-6508

Cumulative Development

In addition to the use of the 1.0 percent annual growth rate, listings of potential projects located in the study area were obtained from the County of Los Angeles and City of Los Angeles Department of Transportation and field verified. From a review of these lists, it was determined that traffic from 44 projects near the study site may produce additional traffic at the study intersections. Traffic expected to be generated from these "related projects" was estimated by applying the trip generation rates in Table 7.

Table 7 6th Edition ITE Trip Generation Rates and Equations

Industrial Park (1,000 sf) - LU 130

Daily:

T = 6.96 (A)

AM Peak Hour:

T = 0.89 (A); I/B = 82%, O/B = 18%

PM Peak Hour:

T = 0.92 (A); I/B = 21%, O/B = 79%

Manufacturing (1,000 sf) - LU 140

Daily:

T = 3.82 (A)

AM Peak Hour:

T = 0.73 (A); I/B = 77%, O/B = 23%

PM Peak Hour:

T = 0.74 (A); I/B = 36%, O/B = 64%

Warehousing (1,000 sf) - LU 150

Daily:

T = 4.96 (A)

AM Peak Hour:

T = 0.45 (A); I/B = 82%, O/B = 18%

PM Peak Hour:

T = 0.51 (A); I/B = 24%, O/B = 76%

Apartment (per dwelling unit) - LU 220

Daily:

T = 6.63 (D)

AM Peak Hour:

T = 0.51 (D); I/B = 16%, O/B = 84%

PM Peak Hour:

T = 0.62 (D); I/B = 67%. O/B = 33%

Condominium (per dwelling unit) - LU 230

Daily:

T = 5.86 (D)

AM Peak Hour:

T = 0.44 (D); I/B = 17%, O/B = 83%

PM Peak Hour:

T = 0.54 (D); I/B = 67%, O/B = 33%

Table 7 (cont.) 6th Edition ITE Trip Generation Rates and Equations

Hotel (per room) - LU 310

Daily: T = 8.92 (R)

AM Peak Hour: T = 0.67 (R); I/B = 58%, O/B = 42% PM Peak Hour: T = 0.71 (R); I/B = 49%, O/B = 51%

· //

Live Theater (per seat) - LU 441

Daily: N/A
AM Peak Hour: N/A

PM Peak Hour: T = 0.02 (St); I/B = 50%, O/B = 50%

Movie Theater with Matinee* (per seat)

Daily: T = 1.8 (St)

AM Peak Hour: T = 0.01 (St); I/B = 100%, O/B = 0% PM Peak Hour: T = 0.14 (St); I/B = 60%, O/B = 40%

Recreational Community Center (per 1,000 sf) - LU 495

Daily: T = 22.88 (A)

AM Peak Hour: T = 1.32 (A); I/B = 66%, O/B = 34% PM Peak Hour: T = 1.75 (A); I/B = 34%, O/B = 66%

Elementary School (per student) - LU 520

Daily: T = 1.02 (S)

AM Peak Hour: T = 0.29 (S); I/B = 59%, O/B = 41% PM Peak Hour: T = 0.26 (S); I/B = 46%, O/B = 54%

High School (per 1,000 sf) - LU 530

Daily: T = 13.27 (A)

AM Peak Hour: T = 3.22 (A); I/B = 72%, O/B = 28% PM Peak Hour: T = 1.02 (A); I/B = 30%, O/B = 70%

<u>Church (per 1,000 sf) - LU 560</u> Daily: T = 9.11 (A)

AM Peak Hour: T = 0.72 (A); I/B = 54%, O/B = 46%PM Peak Hour: T = 0.66 (A); I/B = 54%, O/B = 46%

Table 7 (cont.) 6th Edition ITE

Trip Generation Rates and Equations

Library (per 1,000 sf) - LU 590

Daily: T = 54.00 (A)

AM Peak Hour: T = 1.06 (A); I/B = 72%, O/B = 28%

PM Peak Hour: T = 7.09 (A); I/B = 48%, O/B = 52%

Hospital (per bed) - LU 610

Daily: T = 11.77 (B)

AM Peak Hour: T = 1.07 (B); I/B = 72%, O/B = 28%

PM Peak Hour: T = 1.22 (B); I/B = 34%, O/B = 66%

Clinic (per 1,000 sf) - LU 630

Daily: T = 31.45 (A)

AM Peak Hour: N/A

PM Peak Hour: T = 5.18 (A); I/B = N/A, O/B = N/A

Office (per 1,000 sf) - LU 710

Daily: Ln(T) = 0.768 Ln(A) + 3.654

AM Peak Hour: Ln(T) = 0.797 Ln(A) + 1.558; I/B = 88%, O/B = 12%

PM Peak Hour: T = 1.121 (A) + 79.295; I/B = 17%, O/B = 83%

Medical Office (per 1,000 sf) - LU 720

Daily: T = 36.13 (A)

AM Peak Hour: T = 2.43 (A); I/B = 80%, O/B = 20%

PM Peak Hour: T = 3.66 (A); I/B = 27%, O/B = 73%

Specialty Retail (per 1,000 sf) - LU 814

Daily: T = 40.67 (A)

AM Peak Hour *: T = 1.2201 (A); I/B = 60%, O/B = 40% PM Peak Hour: T = 2.59 (A); I/B = 43%, O/B = 57%

Shopping Center (per 1,000 sf) - LU 820

Daily: T = 42.92 (A)

AM Peak Hour: T = 1.03 (A); I/B = 61%, O/B = 39%

PM Peak Hour: T = 3.74 (A); I/B = 48%, O/B = 52%

Table 7 (cont.) 6th Edition ITE Trip Generation Rates and Equations

Quality Restaurant (per 1,000 sf) - LU 831

Daily:

T = 89.95 (A)

AM Peak Hour:

T = 0.81 (A); I/B = 82%, O/B = 18%

PM Peak Hour:

T = 7.49 (A); I/B = 67%, O/B = 33%

High-Turnover Restaurant (per 1,000 sf) - LU 832

Daily:

T = 130.34 (A)

AM Peak Hour:

T = 9.27 (A); I/B = 52%, O/B = 48%

PM Peak Hour:

T = 10.86 (A); I/B = 60%, O/B = 40%

Fast-Food Restaurant with Drive-Through (per 1,000 sf) - LU 834

Daily:

T = 496.12 (A)

AM Peak Hour:

T = 49.86 (A); I/B = 51%, O/B = 49%

PM Peak Hour:

T = 33.48 (A); I/B = 52%, O/B = 48%

Gas Station with Convenience Market (per fueling position) - LU 845

Daily:

T = 162.78 (P)

AM Peak Hour:

T = 10.06 (P); I/B = 50%, O/B = 50%

PM Peak Hour:

T = 13.38 (P); I/B = 50%, O/B = 50%

Supermarket (per 1,000 sf) - LU 850

Daily:

T = 111.51 (A)

AM Peak Hour:

T = 3.25 (A); I/B = 61%, O/B = 39%

PM Peak Hour:

T = 11.51 (A); I/B = 51%, O/B = 49%

Convenience Market (per 1,000 sf) - LU 851

Daily:

T = 737.99 (A)

AM Peak Hour:

T = 65.39 (A); I/B = 50%, O/B = 50%

PM Peak Hour:

T = 53.73 (A); I/B = 50%, O/B = 50%

<u>Drive-in Bank (per 1,000 sf) - LU 912</u>

Daily:

T = 265.21(A)

AM Peak Hour:

T = 12.63 (A); I/B = 56%, O/B = 44%

PM Peak Hour:

T = 54.77 (A); I/B = 50%, O/B = 50%

Table 7 (cont.) 6th Edition ITE Trip Generation Rates and Equations

Where:

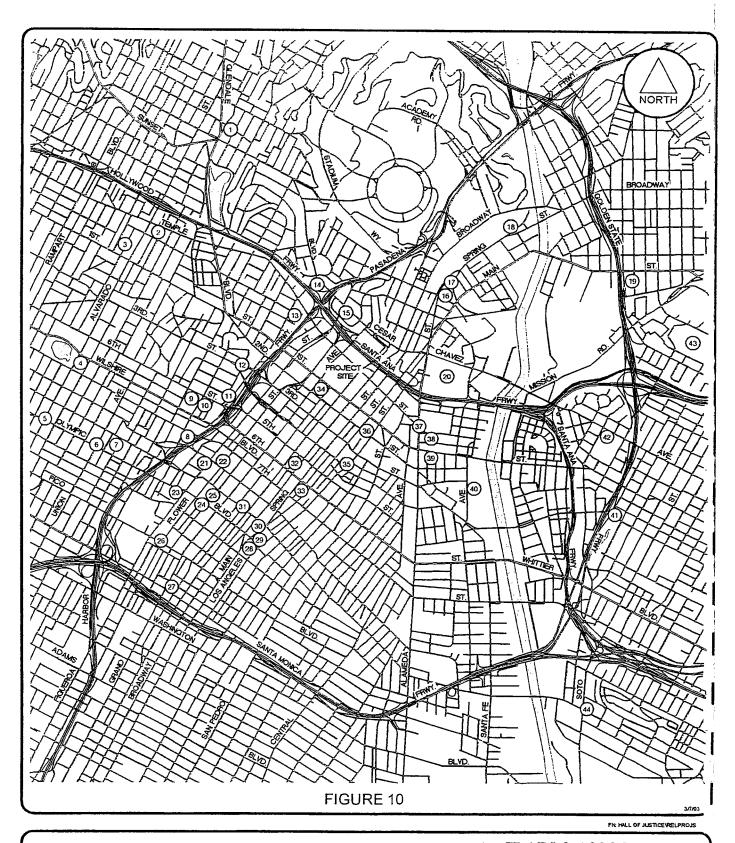
 $T = trip \ ends$ $D = dwelling \ unit$ I/B = inbound $P = fueling \ position$ O/B = outbound R = room R = room $R = building \ area in 1,000's \ of \ square feet$ R = student R = seat

Source:

Trip Generation, 6th Edition, Institute of Transportation Engineers, 1997.

The locations of the related projects are shown in Figure 10 and the projects are listed and described in Table 8. The estimates of traffic generated by each project are displayed in Table 9.

^{*} San Diego Traffic Generators, San Diego Association of Governments, 1998.



RELATED PROJECTS LOCATION MAP



CRAIN & ASSOCIATES

2007 Sawtelle Boulevard Los Angeles, California 90025 (310) 473-6508

Table 8
Related Projects Descriptions

| Мар | iverated i rojects bescriptions | | | | | | | |
|-----------|--|-----------------------------|----------|---|--|--|--|--|
| No. 1. | <u>Location</u> 1316 Glendale Bl. | <u>Size</u> 21,026 | sf | <u>Description</u> Recreation center | | | | |
| 2. | 330 N. Alvarado St. | 2,500 | sf | Fast-food restaurant w/ drive-thru | | | | |
| 3. | Lake St. & Beverly Bl. (Belmont New Primary Ctr. No.12) | 380 | st | Primary school | | | | |
| 4. | Alvarado St. & Wilshire Bl. (Westlake Intermodal Center) | 40,000 30,000 40,000 | sf | Supermarket Retail Community facility | | | | |
| 5. | 2222 Olympic Bl. | 28,800 | sf | Bank | | | | |
| 6. | 1630 W. Olympic Bl. | 5,432 7,168 | | Office Specialty retail | | | | |
| 7. | 1313 Olympic Bl. | 160,000 | sf | Retail | | | | |
| 8. | 722 7th St. | 738 40,000 | | Apartment Retail | | | | |
| 9. | 633 Bixel St. | 86,000 | sf | Retail | | | | |
| 10. | 616 St. Paul St. | 10,000 330 | | | | | | |
| 11. | 5th St. & Bixel St. | 12,465 149,580 87,255 | sf | | | | | |
| 12. | 1207 W. 3rd St. | 330 50,000 | | Apartment Commercial | | | | |
| 13. | Temple St. & Beaudry Av. | 326,000 | sf | High school | | | | |
| 14. | 1010 Bellevue Av. | 25,328 | sf | Convent | | | | |
| 15. | 505 Figueroa St. | 40,000 330 | sf du | Commercial Apartment | | | | |

Table 8 (cont.) Related Projects Descriptions

| Мар | Related Flojects Descriptions | | | | | | | |
|-------------------|--|---|----------------------------|---|--|--|--|--|
| <u>No.</u> 16. | Location N. Broadway & College St. (Capital Mills) | <u>Size</u> 5,000 20,000 30 | | <u>Description</u> Retail Office Artist loft | | | | |
| 17. | 900 N. Broadway (Blossom Garden Apts.) | 29,000 300 | sf du | Retail Apartment | | | | |
| 18. | Spring St. & Baker St. | 953,670 | sf | Manufacturing | | | | |
| 19. | 2600 Main St. | 3,000 | sf | Convenience store | | | | |
| 20. | Alameda St. & Los Angeles St. (Alameda District Plan) | 8,200,000 750 300 250,000 70,000 | sf rm du sf sf | Office Hotel Apartment Retail Museum | | | | |
| 21. | 8th St. & Francisco St. (Metropolis) | 600 1,600,000 223,000 | rm sf sf | Hotel Office Retail | | | | |
| 22. | NEC of 8th St. & Figueroa St. | 400 | гm | Hotel | | | | |
| 23. | Figueroa St. btwn. Olympic Bl. & 11th St. (Staples Entertainment District) | 1,800 3,600 1,000 345,000 498,000 165,000 800 | sf | Hotel Cinema Theater Restaurant Retail Office Apartment | | | | |
| 24. | 605 W. Olympic Bl. | 7,142 | sf | Quality restaurant/night club | | | | |
| 25. | 615 Olympic BI. | 40,000 270 | | Commercial Apartment | | | | |
| 26. | 1300 S. Figueroa St. | 179 8,000 | | Apartment Restaurant | | | | |
| 27. | 1530 S. Olive St. | 31,655 | sf | Community clinic | | | | |

Table 8 (cont.) Related Projects Descriptions

| | Related Projects Descriptions | | | | | | | | |
|--------------------|---|-------------------------------------|----------------|---|--|--|--|--|--|
| Map No. 28. | Location 10220 S. Main St. (Accessory Mart) | <u>Size</u> 32,533 7,909 | | <u>Description</u> Retail Storage | | | | | |
| 29. | 1006 Los Angeles St. | 96,000 | sf | Retail | | | | | |
| 30. | Main St & 9th St. | 151,000 | sf | Retail | | | | | |
| 31. | 305-27 9th St. | 74,000 157,000 | | | | | | | |
| 32. | SEC of Hill St. & 5th St. (Jewelry Center II) | 200,000 20,000 | | Office Retail | | | | | |
| 33. | 9th St. & Wall St. | 139,000 | sf | Retail | | | | | |
| 34. | SWC of 1st St. & Grand Av. (Disney Hall) | 2,835 25,000 22,424 17,172 | sf sf | Office | | | | | |
| 35. | 400 Main St. | 5,265 | sf | Restaurant and bar (215 seats) | | | | | |
| 36. | 108 W. 2nd St. | 146 | du | Condominium | | | | | |
| 37. | Alameda St. & Temple St. | 80,000 | sf | Museum | | | | | |
| 38. | Alameda St. & 1st St. (Mangrove Estates) | 600 1,200 221,048 | rm du sf | Hotel Condominium Office | | | | | |
| 39. | 1st St. & Alameda St. (First Street South Plaza) | 415,782 1,154 500 | | Retail/office Apartment Hotel | | | | | |
| 40. | 970 E. 3rd St. | 596,000 | sf | Multi-use (Freight Yard) | | | | | |
| 41. | 2005 E. 4th St. | 8 754 | p sf | Gas station w/ mini-mart Fast-food restaurant w/ drive-thru | | | | | |
| 42. | 1720 Cesar Chavez Av. | 114,000 359 | sf bd | Medical office expansion Hospital (White Memorial) | | | | | |

Table 8 (cont.) Related Projects Descriptions

| Map | | | | |
|-----|-----------------------------|-------------|----|------------------------------------|
| No. | <u>Location</u> | <u>Size</u> | | <u>Description</u> |
| 43. | NEC Mission Rd./Marengo St. | 600 | bd | Hospital (1,471,467 sf) |
| 44. | 2650 Olympic Bl. | 1,300,000 | sf | Industrial park |
| | | 229,000 | sf | Retail |
| | | 4,000 | sf | Fast-food restaurant w/ drive-thru |

Table 9
Related Projects Trip Generation

| | | | | AM Peak Hour | | | PM Peak Hour | | | |
|-----|------------|------------------------------------|----------------|--------------|------------|-----------------|----------------|-----------------|-----------------|--|
| No. | Size | Description | Daily | <u>ln</u> | Out | Total | <u>ln</u> | Out | Total | |
| 1. | 21,026 sf | Recreation center | 481 | 18 | 10 | 28 | 13 | 24 | 37 | |
| 2. | 2,500 sf | Fast-food restaurant w/ drive-thru | 1,240 | 64 | 61 | 125 | 44 | 40 | 84 | |
| 3. | 380 st | Primary school | 388 | 65 | 45 | 110 | 46 | 53 | 99 | |
| 4. | 40,000 sf | Supermarket | 4,460 | 79 | 51 | 130 | 235 | 225 | 460 | |
| | 30,000 sf | Retail | 1,288 | 19 | 12 | 31 | 54 | 58 | 112 | |
| | 40,000 sf | Community facility | <u>915</u> | <u>35</u> | <u>18</u> | <u>53</u> | <u>24</u> | <u>46</u> | <u>70</u> | |
| | , | , | 6,663 | 133 | 81 | 214 | 313 | 329 | 642 | |
| 5. | 28,800 sf | Bank | 7,638 | 204 | 160 | 364 | 789 | 788 | 1,577 | |
| 6. | 5,432 sf | Office | 142 | 16 | 2 | 18 | 14 | 71 | 85 | |
| | 7,168 sf | Specialty retail | <u> 292</u> | <u>5</u> | <u>4</u> | <u>9</u> | <u>8</u> | <u>11</u> | <u>19</u> | |
| | · | • | 434 | 21 | 6 | 27 | 22 | 82 | 104 | |
| 7. | 160,000 sf | Retail | 6,867 | 101 | 64 | 165 | 287 | 311 | 598 | |
| 8. | 738 du | Apartment | 4,893 | 60 | 316 | 376 | 307 | 151 | 458 | |
| | 40,000 sf | Retail | <u>1,717</u> | <u>25</u> | <u>16</u> | <u>41</u> | <u>72</u> | <u>78</u> | <u>150</u> | |
| | | | 6,610 | 85 | 332 | 417 | 379 | 229 | 608 | |
| 9. | 86,000 sf | Retail | 3,691 | 54 | 35 | 89 | 155 | 167 | 322 | |
| 10. | 10,000 sf | Mixed-use commercial | 429 | 6 | 4 | 10 | 18 | 19 | 37 | |
| | 330 du | Apartment | <u>2,188</u> | <u>27</u> | <u>141</u> | <u>168</u> | <u>137</u> | <u>68</u> | <u>205</u> | |
| | | | 2,617 | 33 | 145 | 178 | 155 | 87 | 242 | |
| 11. | 12,465 sf | Production Office [1] | 154 | 16 | 1 | 17 | 2 | 8 | 10 | |
| | 149,580 sf | Production Facilities [1] | 488 | 31 | 9 | 40 | 13 | 36 | 49 | |
| | 87,255 sf | Support [1] | <u>383</u> | <u>15</u> | <u>8</u> | <u>23</u> | 8 | | | |
| | 0.,200 0. | Саррон | 1,025 | 62 | 18 | <u>20</u> 80 | <u>8</u> 23 | <u>24</u> 68 | <u>32</u> 91 | |
| 12. | 330 du | Apartment | 2,188 | 27 | 141 | 168 | 137 | 60 | 205 | |
| | | Commercial | 2,100 2,146 | | | | | 68 | 205 | |
| | 30,000 31 | Committee | | <u>32</u> | <u>20</u> | <u>52</u> | 90 | <u>97</u> | <u>187</u> | |
| | | | 4,334 | 59 | 161 | 220 | 227 | 165 | 392 | |
| 13. | 326,000 sf | High School | 4,326 | 756 | 294 | 1,050 | 100 | 233 | 333 | |
| 14. | 25,328 sf | Convent | 231 | 10 | 8 | 18 | 9 | 8 | 17 | |

Table 9 (cont.)
Related Projects Trip Generation

| | | | | AM Peak Hour | | | PM Peak Hour | | | |
|-----|--------------|-------------------------------|-------------------|----------------|-----------------|-----------------|-----------------|----------------|------------------|--|
| No. | Size | <u>Description</u> | <u>Daily</u> | <u> In</u> | Out | Total | <u>in</u> | Out | <u>Total</u> | |
| 15. | 40,000 sf | Commercial | 1,717 | 25 | 16 | 41 | 72 | 78 | 150 | |
| | • | Apartment | <u>2,188</u> | <u>27</u> | 141 | 168 | 137 | <u>68</u> | 205 | |
| | 000 42 | , iparanone | 3,905 | 52 | 157 | 209 | 209 | 146 | 355 | |
| 16. | 5,000 sf | Retail | 203 | 4 | 2 | 6 | 6 | 7 | 13 | |
| 10. | 20,000 sf | Office | 386 | 46 | 6 | 52 | 17 | 85 | 102 | |
| | • | | | | | | | | | |
| | 30 du | Artist lofts | <u>199</u> 788 | <u>2</u> 52 | <u>13</u> 21 | <u>15</u> 73 | <u>13</u> 36 | <u>6</u> 98 | <u>19</u> 134 | |
| | | | 700 | JZ | 21 | 75 | 30 | 30 | 154 | |
| 17. | 29,000 sf | Retail | 1,245 | 18 | 12 | 30 | 52 | 56 | 108 | |
| | 300 du | Apartment | <u>1,989</u> | <u>24</u> | <u>129</u> | <u>153</u> | <u>125</u> | <u>61</u> | <u> 186</u> | |
| | | | 3,234 | 42 | 141 | 183 | 177 | 117 | 294 | |
| 18. | 953,670 sf | Manufacturing | 3,643 | 536 | 160 | 696 | 254 | 452 | 706 | |
| 19. | 3,000 sf | Convenience Store | 2,214 | 98 | 98 | 196 | 81 | 80 | 161 | |
| 20. | 8,200,000 sf | Office | 39,149 | 5,501 | 750 | 6,251 | 1,576 | 7,695 | 9,271 | |
| | 750 rm | | 6,690 | 292 | 211 | 503 | 261 | 272 | 533 | |
| | | Apartment | 1,989 | 24 | 129 | 153 | 125 | 61 | 186 | |
| | 250,000 sf | Retail | 10,730 | 157 | 101 | 258 | 449 | 486 | 935 | |
| | 70,000 sf | Museum | 3,780 | <u>53</u> | <u>21</u> | <u>74</u> | <u>238</u> | <u>258</u> | <u>496</u> | |
| | • | | 62,338 | 6,027 | 1,212 | 7,239 | 2,649 | | 11,421 | |
| 21. | 600 m | Hotel | 5,352 | 233 | 169 | 402 | 209 | 217 | 426 | |
| | 1,600,000 sf | Office | 11,160 | 1,495 | 204 | 1,699 | 318 | 1,555 | 1,873 | |
| | 223,000 sf | Retail | 9,571 | <u>140</u> | 90 | 230 | 400 | 434 | <u>834</u> | |
| | 220,000 0. | · totali | 26,083 | 1,868 | 463 | 2,331 | 927 | 2,206 | 3,133 | |
| 22. | 400 m | Hotel | 3,568 | 155 | 113 | 268 | 139 | 145 | 284 | |
| 23. | 1,800 m | Hotel | 16,056 | 699 | 507 | 1,206 | 626 | 652 | 1,278 | |
| | 3,600 st | Cinema | 6,480 | 36 | 0 | 36 | 302 | 202 | 504 | |
| | 1,000 st | Theater | N/A | N/A | N/A | N/A | 10 | 10 | 20 | |
| | 345,000 sf | Restaurant | 44,967 | 1,663 | 1,535 | 3,198 | 2,248 | 1,499 | 3,747 | |
| | 498,000 sf | Retail | 21,374 | 313 | 200 | 513 | 894 | 969 | 1,863 | |
| | 165,000 sf | Office | 1,950 | 245 | 33 | 278 | 45 | 219 | 264 | |
| | | Apartment | <u>5,304</u> | <u>65</u> | 343 | <u>408</u> | <u>332</u> | <u>164</u> | <u>496</u> | |
| | | • | 96,131 | 3,021 | 2,618 | 5,639 | 4,457 | 3,715 | 8,172 | |
| 24. | 7,142 sf | Quality restaurant/night club | 642 | 5 | 1 | 6 | 36 | 17 | 53 | |

Table 9 (cont.)
Related Projects Trip Generation

| | | | | AM Peak Hour | | | PM Peak Hour | | | |
|-------------|------------|--------------------------------|--------------|--------------|-----------|------------|--------------|------------|-----------------|--|
| <u>No.</u> | Size | <u>Description</u> | <u>Daily</u> | ln | Out | Total | <u>ln</u> | Out | Total | |
| 25. | 40,000 sf | Commercial | 1,717 | 25 | 16 | 41 | 72 | 78 | 150 | |
| | | Apartment | <u>1,790</u> | <u>22</u> | 116 | <u>138</u> | 112 | <u>55</u> | 167 | |
| | 2.0 02 | , partino | 3,507 | 47 | 132 | 179 | 184 | 133 | 317 | |
| 26. | 179 du | Apartment | 1,187 | 15 | 76 | 91 | 74 | 37 | 111 | |
| | 8,000 sf | Restaurant | <u>1,043</u> | 38 | <u>36</u> | <u>74</u> | <u>52</u> | <u>35</u> | <u>87</u> | |
| | -, | | 2,230 | 53 | 112 | 165 | 126 | 72 | 1 <u>98</u> | |
| 27. | 31,655 sf | Community clinic | 996 | N/A | N/A | N/A | N/A | N/A | 164 | |
| 28. | 32,533 sf | Retail | 1,323 | 24 | 16 | 40 | 36 | 48 | 84 | |
| | 7,909 sf | Storage | <u>39</u> | <u>3</u> | <u>1</u> | <u>4</u> | 1 | 3 | 4 | |
| | | • | 1,362 | 27 | 17 | 44 | 37 | 51 | 88 | |
| 29. | 96,000 sf | Retail | 4,120 | 60 | 39 | 99 | 172 | 187 | 359 | |
| 30. | 151,000 sf | Retail | 6,481 | 95 | 61 | 156 | 271 | 294 | 565 | |
| 31. | 74,000 sf | Office | 1,053 | 129 | 18 | 147 | 28 | 134 | 162 | |
| | 157,000 sf | Retail | 6,738 | 99 | <u>63</u> | <u>162</u> | <u> 282</u> | <u>305</u> | <u>587</u> | |
| | | | 7,791 | 228 | 81 | 309 | 310 | 439 | 749 | |
| 32. | 200,000 sf | Office | 2,260 | 285 | 39 | 324 | 52 | 251 | 303 | |
| | 20,000 sf | Retail | 858 | <u>13</u> | <u>8</u> | <u>21</u> | <u>36</u> | 39 | <u>75</u> | |
| | | • | 3,118 | 298 | 47 | 345 | 88 | 290 | 3 78 | |
| 33. | 139,000 sf | Retail | 5,966 | 87 | 56 | 143 | 250 | 270 | 520 | |
| 34. | 2,835 st | Theater | N/A | N/A | N/A | N/A | 29 | 28 | 57 | |
| | 25,000 sf | Ballroom | N/A | N/A | N/A | N/A | N/A | N/A | N/A | |
| | 22,424 sf | Office | 421 | 50 | 7 | 57 | 18 | 86 | 104 | |
| | 17,172 sf | Retail | 698 | 13 | 8 | 21 | 19 | 25 | 44 | |
| 35 . | 5,265 sf | Restaurant and bar (215 seats) | 686 | 25 | 24 | 49 | 34 | 23 | 57 | |
| 36. | 146 du | Condominium | 856 | 11 | 53 | 64 | 53 | 26 | 79 | |
| 37. | 80,000 sf | Museum | 4,320 | 61 | 24 | 85 | 272 | 295 | 567 | |
| 38. | 600 m | | 5,352 | 233 | 169 | 402 | 209 | 217 | 426 | |
| | | Condominium | 7,032 | 90 | 438 | 528 | 434 | 214 | 648 | |
| | 221,048 sf | Office | 2,440 | <u>309</u> | <u>42</u> | <u>351</u> | <u>56</u> | 271 | 327 | |
| | | | 14,824 | 632 | 649 | 1,281 | 699 | 702 | 1,401 | |

Table 9 (cont.)
Related Projects Trip Generation

| | | | | AM Peak Hour | | | PM | PM Peak Hour | | | |
|-------------|--------------|------------------------------------|--------------|--------------|------------|-------------|---------------|--------------|------------|--|--|
| <u>No.</u> | Size | Description | Daily | <u>ln</u> | Out | Total | <u>ln</u> | Out | Total | | |
| 39. | 415,782 sf | Retail/office | 3,965 | 511 | 70 | 581 | 93 | 452 | 545 | | |
| 5 0. | 1,154 du | Apartment | 7,651 | 94 | 495 | 589 | | | | | |
| | • | • | - | | | | 479 | 236 | 715 | | |
| | 500 m | notei | <u>4,460</u> | <u>194</u> | <u>141</u> | <u>335</u> | <u>174</u> | <u>181</u> | <u>355</u> | | |
| | | | 16,076 | 799 | 706 | 1,505 | 746 | 869 | 1,615 | | |
| 40. | 596,000 sf | Multi-use (Freight Yard) [2] | 7,532 | 335 | 482 | 817 | 353 | 467 | 820 | | |
| 41. | 8 p | Gas station w/ mini-mart | 1,302 | 40 | 40 | 80 | 54 | 53 | 107 | | |
| | 754 sf | Fast-food restaurant w/ drive-thru | <u>374</u> | <u>19</u> | <u>19</u> | <u>38</u> | <u>13</u> | <u>12</u> | <u>25</u> | | |
| | | | 1,676 | 59 | 59 | 118 | 67 | 65 | 132 | | |
| 40 | 444.000 -6 | No distant arms a section | 4.440 | 000 | | | | | | | |
| 42 . | 114,000 sf | Medical office expansion | 4,119 | 222 | 55 | 277 | 113 | 304 | 417 | | |
| | 359 bd | Hospital (White Memorial) | <u>4,225</u> | <u>276</u> | <u>108</u> | <u>384</u> | <u>149</u> | <u> 289</u> | <u>438</u> | | |
| | | | 8,344 | 498 | 163 | 661 | 262 | 593 | 855 | | |
| 43. | 600 bd | Hospital (1,471,467 sf) | 7,062 | 462 | 180 | 642 | 249 | 483 | 732 | | |
| 44. | 1,300,000 sf | Industrial park | 9,048 | 949 | 208 | 1,157 | 251 | 945 | 1,196 | | |
| | 229,000 sf | Retail | 9,829 | 144 | 92 | 236 | 411 | 445 | 856 | | |
| | 4,000 sf | Fast-food restaurant w/ drive-thru | 1,984 | <u>101</u> | <u>98</u> | <u> 199</u> | <u>70</u> | <u>64</u> | 134 | | |
| | • | | 20,861 | 1,194 | 398 | 1,592 | 732 | 1,454 | 2,186 | | |

^[1] Rates from *Traffic Impact Analysis for the Renovation and Expansion of Fox Studio Facilities in Century City*, Crain & Associates, Revised October 1991. Assumed 5% for production office, 60% for production & staging, and 35% for support.

^[2] Provided by LADOT related projects database website.

Highway System Improvements

A review of anticipated transportation improvements was conducted for the street system servicing the site. A review of the City's 5 Year Capital Improvement Program (CIP), 1997-98, Pictorial Guide revealed that there are no improvement projects scheduled for implementation that would significantly affect the transportation system in the study area. However several improvements are anticipated in the downtown area. These include the construction of the "Gold Line" by the Pasadena Blue Line Authority from Union Station into Pasadena, the Adaptive Traffic Control System throughout Downtown Los Angeles, the Figueroa Corridor Economic Development Strategy where Figueroa Street would be rebalanced south of Ninth Street to provide three lanes in each direction, the Hollywood Freeway (US-101) ramps at Glendale Boulevard will be reconstructed into a full diamond interchange, the Hollywood Freeway will be improved between Vermont Avenue and the four level interchange to provide one additional lane in each direction with a future conversion to an HOV facility is also planned between Glendale Boulevard and Vermont Avenue, the Harbor Freeway (State Route 110) northbound and southbound ramps at Fourth Street will be reconfigured and the Santa Monica Freeway (I-10), the Olympic Boulevard interchange will be improved to provide a westbound off-ramp connection from the Santa Monica, and the connection of the HOV system throughout downtown. While these projects may be implemented in the future they have not been included in the future conditions with the project or with the project and the cumulative development in order to provide a conservative estimate of potential impacts.

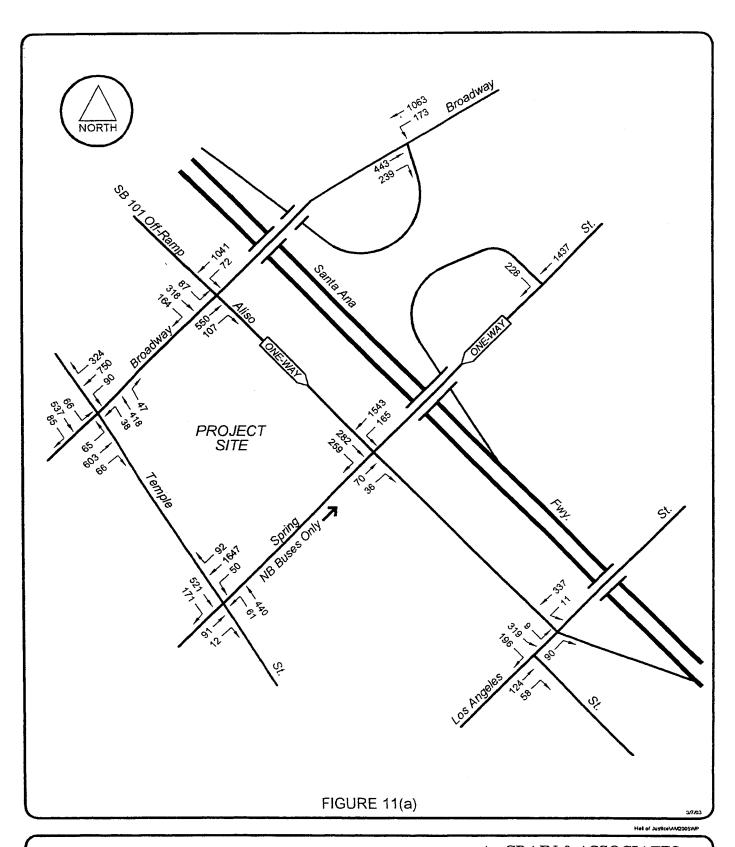
Analysis of Future Traffic Conditions (Without Project, With Project and With Cumulative Development)

The analysis of future conditions in the project area was performed using the same critical lane analysis procedures described previously in this report. For future project conditions, the roadway system was not considered to be improved from existing conditions.

Traffic volumes for the analysis were developed as follows:

- As described earlier in the report, future-year benchmark traffic volumes for the no-project condition were determined by applying a 1% annual ambient growth factor to the existing traffic counts.
- Traffic volumes generated by the project were then combined with these benchmark volumes to arrive at the " with project" traffic analysis and to determine traffic impacts directly attributable to the proposed development.
- Finally, traffic generated by the 44 identified development projects was added to the "With Project" scenario, to produce an estimate of the potential cumulative traffic impacts within the study area.

The projected traffic volumes for the "with project" (2005) conditions described above are shown in Figure 11.

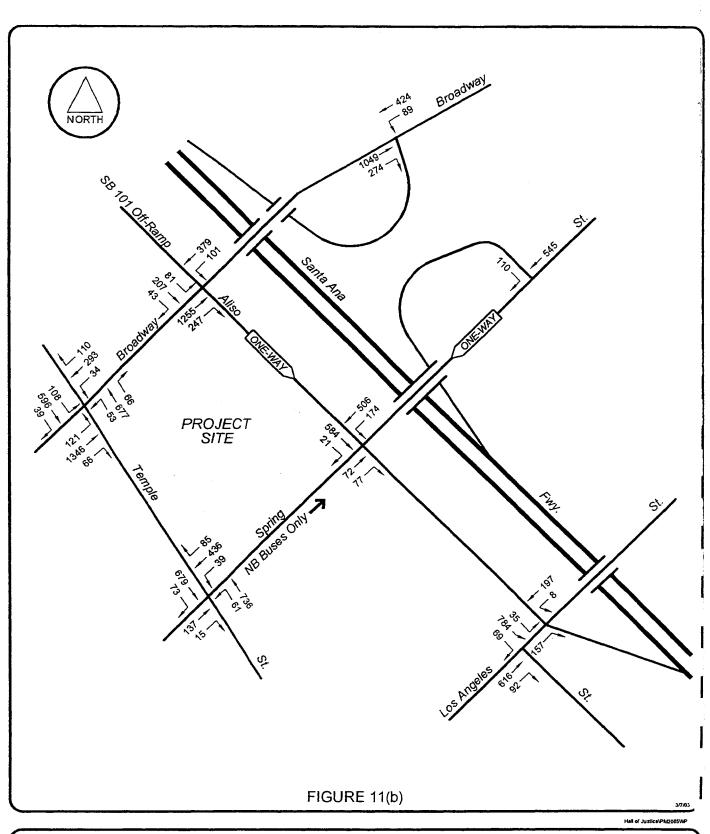


FUTURE (2005) TRAFFIC VOLUMES WITH PROJECT AM PEAK HOUR



CRAIN & ASSOCIATES

2007 Sawtelle Boulevard Los Angeles, California 90025 (310) 473-6508



FUTURE (2005) TRAFFIC VOLUMES WITH PROJECT PM PEAK HOUR

CRAIN & ASSOCIATES

2007 Sawtelle Boulevard Los Angeles, California 90025 (310) 473-6508

The current definition of a "significant traffic impact" attributable to a project can occur within three ranges of CMA values as follows:

Table 10
Criteria for Significant Traffic Impact

| LOS | Final CMA Value | Project-Related Increase in CMA Value |
|------|-----------------|---------------------------------------|
| С | 0.71 to 0.80 | equal to or greater than 0.04 |
| D | 0.81 to 0.90 | equal to or greater than 0.02 |
| E, F | 0.91 or greater | equal to or greater than 0.01 |

As indicated in Table 11, the proposed project is not expected to have a significant traffic impact at any of the seven study intersections.

Table 11
Summary of Critical Movement Analysis
Future (2005) Traffic Conditions - With and Without Project

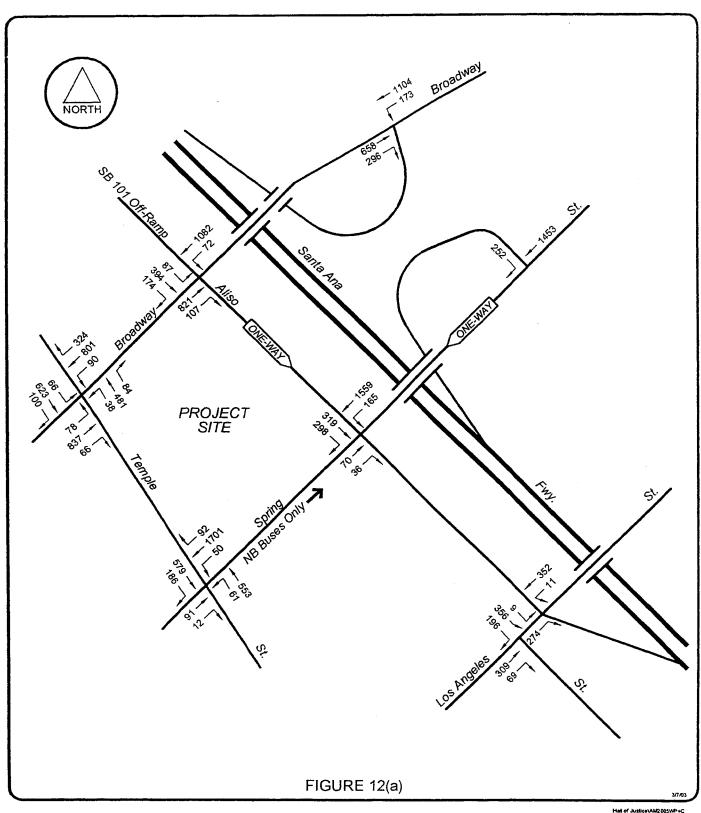
| | | Without | t Project | | | | |
|------------|------------------------------|-------------|------------|------------|------------|---|----------------|
| <u>No.</u> | <u>Intersection</u> | <u>Hour</u> | <u>CMA</u> | <u>LOS</u> | OS CMA LOS | | <u>Impacts</u> |
| 1. | Temple Street & | AM | 0.442 | Α | 0.445 | Α | 0.003 |
| | North Broadway | PM | 0.730 | С | 0.743 | С | 0.013 |
| 2. | Aliso St./SB 101 Fwy | AM | 0.403 | Α | 0.411 | Α | 0.008 |
| | Off-ramp & North Broadway | PM | 0.497 | Α | 0.512 | Α | 0.015 |
| 3. | NB 101 Fwy On-ramp & | AM | 0.438 | Α | 0.443 | Α | 0.005 |
| | North Broadway | PM | 0.611 | В | 0.626 | В | 0.015 |
| 4. | Temple Street & | АМ | 0.490 | Α | 0.491 | Α | 0.001 |
| | North Spring Street | PM | 0.316 | Α | 0.321 | Α | 0.005 |
| 5. | Aliso Street & | AM | 0.339 | Α | 0.366 | Α | 0.027 |
| | North Spring Street | PM | 0.251 | Α | 0.257 | Α | 0.006 |
| 6. | NB 101 Fwy Off-ramp & | AM | 0.385 | Α | 0.394 | Α | 0.009 |
| | North Spring Street | PM | 0.157 | Α | 0.159 | Α | 0.002 |
| 7. | SB 101 Fwy On-ramp & | AM | 0.188 | А | 0.188 | Α | 0.000 |
| | Los Angeles Street | PM | 0.290 | Α | 0.294 | Α | 0.004 |

Other projects which are proposed in the area around the project will add traffic to the study intersections. The proposed renovation of the Hall of Justice along with these related projects have been evaluated for potential cumulative impacts. The analysis

includes a conservative set of assumptions. It is likely that not all of the proposed development will be built or built to the intensity currently envisioned. In addition, many of the projects will be required to develop traffic mitigation plans for their development which will reduce cumulative impacts. The potential improvements which may be required of other developments have not been included in the analysis. Table 12 provides a summary of the future 2005 conditions with the cumulative development, and Figure 12 provides a graphic representation of the volumes.

Table 12
Future (2005) Traffic Conditions - With Cumulative Development

| | | Peak | Without Project | | With Project | | | With Project + Cumulative Projects | | | Project % |
|-----|---------------------------|---------------|--------------------|---|--------------|---|--------|---------------------------------------|-----|--------|-----------|
| No. | Intersection | <u>Period</u> | CMA | | CMA | | Impact | CMA | LOS | Impact | of Impact |
| 1. | Temple Street & | AM | 0.442 | Α | 0.445 | Α | 0.003 | 0.558 | Α | 0.116 | 3% |
| | North Broadway | PM | 0.730 | С | 0.743 | С | 0.013 | 0.941 | Ε | 0.211* | 6% |
| 2. | Aliso St./SB 101 Fwy | AM | 0.403 | Α | 0.411 | Α | 0.008 | 0.451 | Α | 0.048 | 17% |
| | Off-ramp & North Broadway | PM | 0.497 | Α | 0.512 | Α | 0.015 | 0.701 | С | 0.204* | 7% |
| 3. | NB 101 Fwy On-ramp & | AM | 0.438 | Α | 0.443 | Α | 0.005 | 0.542 | Α | 0.104 | 5% |
| | North Broadway | PM | 0.611 | В | 0.626 | В | 0.015 | 0.829 | D | 0.218* | 7% |
| 4. | Temple Street & | AM | 0.490 | Α | 0.491 | Α | 0.001 | 0.524 | А | 0.034 | 3% |
| | North Spring Street | PM | 0.316 | Α | 0.321 | Α | 0.005 | 0.351 | Α | 0.035 | 14% |
| 5. | Aliso Street & | AM | 0.339 | Α | 0.366 | Α | 0.027 | 0.390 | Α | 0.051 | 53% |
| | North Spring Street | PM | 0.251 | Α | 0.257 | Α | 0.006 | 0.272 | Α | 0.021 | 29% |
| 6. | NB 101 Fwy Off-ramp & | AM | 0.385 | А | 0.394 | Α | 0.009 | 0,407 | Α | 0.022 | 41% |
| 0, | • | | | | | | | | | | |
| | North Spring Street | PM | 0.157 | Α | 0.159 | Α | 0.002 | 0.173 | Α | 0.016 | 13% |
| 7. | SB 101 Fwy On-ramp & | AM | 0.188 | Α | 0.188 | Α | 0.000 | 0.312 | Α | 0.124 | 0% |
| | Los Angeles Street | PM | 0.290 | Α | 0.294 | Α | 0.004 | 0.465 | Α | 0.175 | 2% |

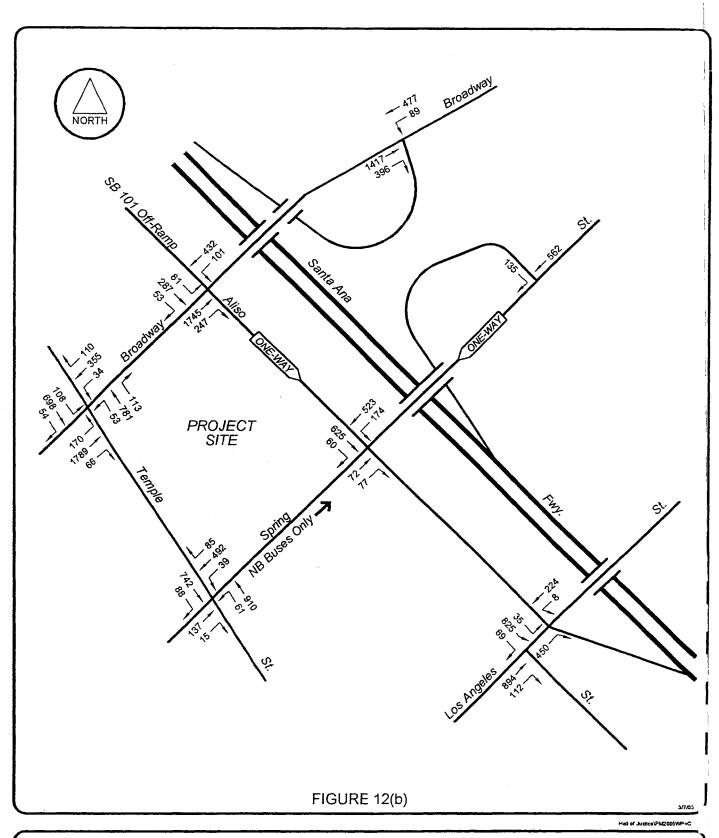


FUTURE (2005) TRAFFIC VOLUMES WITH PROJECT + CUMULATIVE PROJECTS AM PEAK HOUR



CRAIN & ASSOCIATES

2007 Sawtelle Boulevard Los Angeles, California 90025 (310) 473-6508 Transportation Planning -Traffic Engineering



FUTURE (2005) TRAFFIC VOLUMES WITH PROJECT + CUMULATIVE PROJECTS
PM PEAK HOUR



CRAIN & ASSOCIATES

2007 Sawtelle Boulevard Los Angeles, California 90025 (310) 473-6508

Future conditions with the project and conservative assumptions on future development indicate a significant cumulative traffic impact during the PM peak hour at the intersection of Temple Street and North Broadway, Aliso Street/Southbound 101 Freeway Off-ramp and North Broadway and the Northbound 101 On-ramp and North Broadway. These significant impacts would occur without the project. They are not created by the proposed project.

Impacts on Regional Transportation System

To address the increasing public concern that traffic congestion was impacting the quality of life and economic vitality of the State of California, the Congestion Management Program (CMP) was enacted by Proposition 111.

The intent of the CMP is to provide the analytical basis for transportation decisions through the State Transportation Improvement Program (STIP) process. A countywide approach has been established by the Metropolitan Transportation Authority, the local CMP agency, to implement the statutory requirements of the CMP. The countywide approach includes designating a highway network that includes all state highways and principal arterials within the County and monitoring the network's Level of Service standards. This monitoring of the CMP network is one of the responsibilities of local jurisdictions. If Level of Service standards deteriorate, then local jurisdictions must prepare a deficiency plan to be in conformance with the countywide plan.

Furthermore, all development projects which are required to prepare an EIR are subject to the Land Use Analysis program of the CMP. This requirement will provide decision-makers with the project-specific traffic impacts created by large projects on the CMP highway network. The traffic impact analysis (TIA) to be included in an EIR requires that all freeway segments where the project adds 150 or more trips, in each direction, during the peak hours be analyzed. An analysis is also required at all CMP

intersections where the project will add 50 or more trips during the peak hour. The CMP intersection closest to the project is Wilshire Boulevard and Alvarado Street. The intersection is over 2 miles away from the project. Less than 50 project related trips are anticipated to utilize this intersection during the peak hours. In addition, as shown previously in Figures 5(a) and 5(b), the proposed project will not add 150 or more trips to any of the freeway segments including the Harbor Freeway south of the Hollywood Freeway, the Harbor Freeway at Alpine Street, the Hollywood Freeway north of Vignes Street or Golden State Freeway at Stadium Way, all the CMP Freeway segments in the project area. Therefore, no additional analysis was performed.

IMPROVEMENT MEASURES

As indicated in this project traffic analysis, no significant project related impacts are created by the renovation and reuse of the Hall of Justice. However, under a conservative set of assumptions significant cumulative traffic impacts have been identified during the PM peak hour at the intersection of Temple Street and North Broadway, Aliso Street/Southbound 101 Freeway and at the intersection of the Northbound Hollywood Freeway on ramp and North Broadway. These significant impacts would occur with or without the project and are not project related. The project contributes to these impacts by 6% at Temple Street and North Broadway, 7% at Aliso Street/Southbound 101 Freeway Off-ramp and North Broadway and 7% at the intersection of the Northbound 101 Freeway On-ramp and North Broadway. In order to contribute to the reduction of the cumulative traffic impacts, the project will implement a Transportation System Management (TSM) plan. With successful implementation of the following TSM plan the ridesharing will help to reduce the number of vehicles which will be utilizing the cumulatively impacted intersections.

Transportation System Management (TSM) Program

There are a number of viable strategies the project can utilize to encourage options to single occupancy vehicles to and from the site. The following details plans in which the reoccupied Hall of Justice will achieve vehicle trip reduction goals. The project's TSM efforts incorporate ridesharing in all the traditional methods such as vanpooling, carpooling, walking, bicycling and bus ridership. Downtown Los Angeles has the benefit of housing Union Station which provides opportunities to utilize trains, light rail and the current subway system and hence the entire regional network of public transit services. The full TSM program is discussed below in detail.

- The project will encourage employee ridership of the rail, bus and subway services through employee awareness programs and convenient access to schedules and routes.
- The project will implement TSM measures to increase the convenience and attractiveness of the other transportation alternatives among employees and visitors. Services such as carpool and vanpool matching, vanpool formation and leasing assistance, and preferred parking for employees who carpool or vanpool together, will be provided by the project to facilitate ridesharing. These services work well in conjunction with, and benefit those who wish to take advantage of, the high occupancy vehicle (HOV) lanes on the freeways.
- Bicycle travel will be supported by the project through such on-site amenities as bicycle racks or lockers that are located on site. Bicycle ridership is supported by some other modes of transportation with bicycle racks. The availability of these services will be highlighted.
- The trip-reduction strategies discussed above will be carried out and marketed by a centralized transportation management office (TMO) established within the project. The TMO will provide rideshare matching, public transit schedules and the opportunity to purchase bus and metro rail passes on-site. The services will be coordinated through a centralized rideshare coordinator.
- The project volumes can be reduced by 10 to 20% with the implementation of the TSM program.

While the TSM program is not required to mitigate a specific project related impact it is offered to participate in the reduction of overall trips into Downtown Los Angeles. The successful implementation of the program will help reduce potential cumulative impacts which have been identified under the conservative cumulative analysis.

SHORT TERM CONSTRUCTION PARKING AND TRAFFIC ANALYSIS

The potential traffic and parking impacts associated with the project construction period was evaluated. It is anticipated that there will be approximately 250 construction employees on-site on any given day from approximately 6:30 AM to 7:00 PM.

Approximately 65 trucks per day would be needed for construction activities during a three month time period. A specific off-loading site has not yet been selected for hauling any dirt related to construction activities. However, it is likely that the site would be accessed from the 101 Freeway north of the project site.

Construction Traffic Impact Analysis

There are no County criteria to identify significant traffic impacts associated with the construction of a project, because unlike the completed project itself, construction impacts are short-term effects. However, a quantitative construction traffic impact analysis was prepared. The following assessment as to whether expected construction traffic on surrounding streets is "significant" was based on the County's criteria for a proposed project. This is a highly conservative analytical approach as these criteria were formulated to apply to the long-term traffic impacts of a completed project, not short-term construction traffic impacts. Nevertheless, this procedure was utilized to ensure that worst case impacts were adequately analyzed.

For purposes of a highly conservative analysis, it was assumed that all construction workers, supervisory and staff personnel, and visitors would drive alone to the site and park their vehicles on-site. It was assumed that one-half of the haul, concrete, delivery and other heavy-duty construction truck trips would be on the street system during peak commuter periods.

Construction workers are expected to arrive at the site prior to the 6:30 AM start time and leave soon after the 7:00 PM quitting time. Once on the site, the majority of the

construction workers are not expected to leave the site until the end of the work day. Supervisory and staff personnel are expected to arrive earlier and leave later than the construction workers, and may make trips to and from the site during work hours. Visitor and miscellaneous trips are estimated to occur between 7:00 AM and 6:00 PM. Heavy-duty construction trucks are expected to arrive and depart from the site throughout the day.

It is estimated that most weeks of construction would generally entail four days of average activity and one day of peak activity during each stage of construction. The number of construction workers is expected to range from 200 to 250 workmen per day during peak construction activity periods.

Construction truck and employee vehicle activity is estimated to consist of the following:

- 65 inbound and 65 outbound haul trucks, concrete trucks, delivery trucks
 (lumber, rebar etc.) trips per day for the site work, dirt hauling and grading.
- 250 inbound AM peak hour and 250 outbound –PM peak Hour personal vehicles for construction employees. This is a conservative assumption as it would be anticipated that construction employees will rideshare.

As the construction work force and visitors would be from all parts of the region, they would be arriving from all directions. The location receiving the soil, debris and other materials excavated from the site during site work demolition, clearing and grading has not been established.

The surrounding intersections listed below were selected for analysis (same as the project traffic analysis), as they are the intersections expected to be the most affected by construction-related traffic.

- North Broadway and Temple Street
- 2. Aliso Street/Southbound 101 Freeway Off-ramp and North Broadway
- 3. Northbound 101 Freeway On-ramp and North Broadway
- 4. North Spring Street and Temple Street
- 5. Aliso Street and North Spring Street
- 6. Northbound 101 Freeway Off-ramp and North Spring Street
- 7. Southbound 101 Freeway On-ramp and Los Angeles Street

As the time frame of construction is anticipated to be 2004 - 2005, the early year of 2005 was assumed as the baseline year for the construction traffic impact analysis. Existing peak hour traffic volumes on these intersections, which were obtained from recent traffic counts conducted in May 2002, were increased by a growth factor of 1.0 percent per year to reflect 2005 baseline conditions. This is the same growth factor used in the analysis of project traffic impacts. No related projects traffic volumes were added to these intersections.

In order to evaluate potential construction related traffic impacts conditions associated with existing, future without construction activity, and future with construction activity were evaluated. No significant traffic impacts have been identified with the analysis.

Significant impact criteria are the same as previously identified in Table 10.

Table 13
LOS Analysis for Construction Activity

| | | Peak | Exis | sting | Construction | Activity | Construct | ion Acti | <u>vity</u> |
|-----|-------------------------|------|-------|-------|--------------|----------|------------|----------|---------------|
| No. | Intersection | Hour | CMA | LOS | <u>CMA</u> | LOS | <u>CMA</u> | LOS | Impact |
| 1 | TEMPLE STREET & | AM | 0.548 | Α | 0.561 | Α | 0.569 | Α | 0.008 |
| | N. BROADWAY | PM | 0.714 | С | 0.730 | С | 0.760 | С | 0.030 |
| 2 | ALISO STREET/SB 101 FWY | AM | 0.394 | Α | 0.403 | Α | 0.421 | Α | 0.018 |
| | OFF-RAMP & N. BROADWAY | PM | 0.485 | Α | 0.497 | Α | 0.531 | Α | 0.034 |
| 3 | NB 101 FWY ON-RAMP & | AM | 0.364 | Α | 0.372 | Α | 0.382 | Α | 0.010 |
| | N. BROADWAY | ΡM | 0.528 | Α | 0.541 | Α | 0.576 | Α | 0.035 |
| 4 | TEMPLE STREET & | AM | 0.479 | Α | 0.490 | Α | 0.493 | Α | 0.003 |
| | N. SPRING STREET | PM | 0.309 | Α | 0.316 | Α | 0.329 | Α | 0.013 |
| 5 | ALISO STREET & | AM | 0.333 | Α | 0.339 | Α | 0.394 | Α | 0.055 |
| | N. SPRING STREET | PM | 0.246 | Α | 0.251 | Α | 0.265 | Α | 0.014 |
| 6 | NB 101 FWY OFF-RAMP & | AM | 0.377 | Α | 0.385 | Α | 0.405 | Α | 0.020 |
| | N. SPRING STREET | PM | 0.154 | Α | 0.157 | Α | 0.162 | Α | 0.005 |
| 7 | SB 101 FWY ON-RAMP & | AM | 0.184 | Α | 0.188 | Α | 0.188 | Α | 0.000 |
| | LOS ANGELES STREET | PM | 0.285 | Α | 0.290 | Α | 0.298 | Α | 0.008 |

In order to ensure construction activity does not interfere with weekday activities, the following measures are recommended.

Construction Traffic Measures

It is recommended that the following measures be implemented during construction:

- Trucks and construction materials and equipment should be staged on-site
 whenever feasible. If additional space is necessary it is recommended that lane
 closure plans be submitted to the County and City of Los Angeles for approval.
- Temporary "Truck Crossing" warning signs should be placed in each direction in advance of each site driveway used by construction vehicles.
- A flag person or persons should be positioned at the project site to assist truck operators in entering and exiting the project area, and to help minimize conflicts with other motorists.

- To the greatest extent possible, heavy-duty construction trucks should be scheduled to arrive and depart before and after peak commuting periods of 7:00
 AM to 10:00 AM and 4:00 PM to 7:00 PM.
- A construction worker ridesharing plan should be implemented to reduce construction-related trips.
- A off-site parking area for parking construction workers personal vehicles should be established during peak construction activity days/time periods when all worker vehicles cannot be accommodated on site.
- Once a site has been identified for hauling excess dirt, a haul route should be developed which keeps trucks on major. The haul route should be reviewed and approved by the County and City.

Parking During Construction

No parking impacts from construction-related vehicles are expected to occur on the surrounding streets. All construction-related vehicles, including construction worker vehicles, would be parked on the project site. On street parking is in high demand in the project site area. If during peak construction activity parking demand cannot be adequately accommodated on-site, then a parking plan involving an off-site location and a shuttle operation would be implemented for the affected work crew.

APPENDIX A INTERSECTION COUNTS

CLIENT:

CRAIN & ASSOCIATES

PROJECT:

HALL OF JUSTICE DOWNTOWN L.A.

DATE:

THURSDAY, MAY 16, 2002

PERIOD:

07:00 AM TO 09:00 AM NORTH BROADWAY.

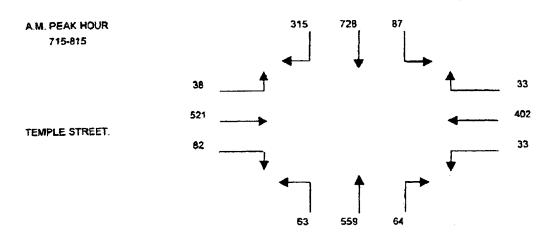
INTERSECTION

EW TEMPLE STREET.

FILE NUMBER:

3-AM

| 15 MINUTE | 1 | . 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 |
|-----------|------|------|------|------|------------|------|------|------|------|------|------|------|--------|
| TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT | |
| | | | | | | | | | | | | | • |
| 700-715 | 65 | 163 | 10 | 7 | 75 | 2 | 15 | 128 | 10 | 12 | 122 | 10 | |
| 715-730 | 76 | 151 | 19 | 10 | 103 | 6 | 12 | 146 | 14 | 9 | 109 | 8 | |
| 730-745 | 81 | 204 | 27 | 8 | 112 | 9 | 20 | 128 | 10 | 17 | 141 | 12 | |
| 745-800 | 74 | 171 | 29 | 12 | 8 5 | 10 | 15 | 135 | 18 | 27 | 140 | 10 | |
| 800-815 | 84 | 202 | 12 | 3 | 102 | 8 | 17 | 150 | 21 | 29 | 131 | 8 | |
| 815-830 | 63 | 187 | 13 | 10 | 78 | 10 | 20 | 121 | 9 | 13 | 92 | 10 | |
| 830-845 | 74 | 190 | 20 | 6 | 73 | 5 | 15 | 116 | 15 | 22 | 112 | 9 | |
| 845-900 | 82 | 163 | 20 | 7 | 76 | 11 | 13 | 128 | 10 | 20 | 118 | 14 | |
| 1 HOUR | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| TOTALS | SBRT | SBTH | SBLT | WBRT | HTEW | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT | TOTALS |
| | | | | | | | | | | | | | |
| 700-800 | 296 | 689 | 85 | 37 | 375 | 27 | 62 | 537 | 52 | 65 | 512 | 40 | 2777 |
| 715-815 | 315 | 728 | 87 | 33 | 402 | 33 | 64 | 559 | 63 | 82 | 521 | 38 | 2925 |
| 730-830 | 302 | 764 | 81 | 33 | 377 | 37 | 72 | 534 | 58 | 86 | 504 | 40 | 2888 |
| 745-845 | 295 | 750 | 74 | 31 | 338 | 33 | 67 | 522 | 63 | 91 | 475 | 37 | 2778 |
| 800-900 | 283 | 742 | 65 | 28 | 329 | 34 | 65 | 515 | 55 | 84 | 453 | 41 | 2692 |



NORTH BROADWAY.

CLIENT:

CRAIN & ASSOCIATES

PROJECT:

HALL OF JUSTICE DOWNTOWN LA.

DATE:

THURSDAY, MAY 16, 2002

PERIOD: INTERSECTION

04:00 PM TO 06:00 PM NORTH BROADWAY. N/S

ΕÆ

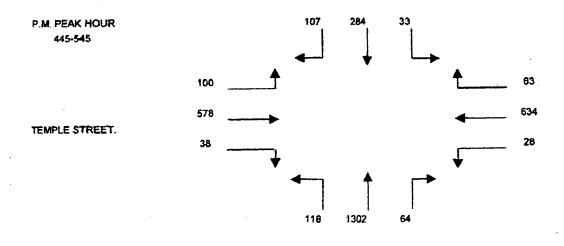
TEMPLE STREET.

FILE NUMBER:

з-РМ

| 15 MINUTE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | - 11 | 12 |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT |
| 400 | | | | | | | | • | | | | |
| 400-415 | 20 | 79 | 12 | 19 | 158 | 9 | 26 | 221 | 35 | 9 | 122 | 23 |
| 415-430 | 17 | 56 | 2 | 15 | 150 | 8 | 26 | 212 | 27 | 11 | 95 | 24 |
| 430-445 | 22 | 73 | 13 | 20 | 163 | 7 | 25 | 221 | 35 | 15 | 125 | 30 |
| 445-500 | 25 | 75 | 10 | 12 | 147 | 8 | 18 | 316 | - 42 | 18 | 139 | 21 |
| 500-515 | 27 | 62 | · 8 | 17 | 145 | 6 | 13 | 314 | 22 | 11 | 177 | 43 |
| 515- 530 | 30 | 66 | 6 | 19 | 158 | 5 | 15 | 340 | 31 | 10 | 145 | 18 |
| 530-545 | 25 | 81 | 9 | 15 | 184 | 9 | 18 | 332 | 23 | 1 | 117 | 18 |
| 545-600 | 16 | 68 | 4 | 11 | 133 | 3 | 12 | 351 | 20 | 4 | 91 | 24 |

| 1 HOUR | 1 | . 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | l |
|---------|------|------|------|------|------|------|-------|------|------|------|------|------|--------|
| TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT. | NBTH | NBLT | EBRT | EBTH | EBLT | TOTALS |
| | | | • | | | | | | | | | | , |
| 400-500 | 84 | 283 | 37 | 66 | 618 | 32 | 95 | 970 | 139 | 51 | 481 | 98 | 2954 |
| 415-515 | 91 | 266 | 33 | 64 | 605 | 29 | 82 | 1063 | 128 | 53 | 536 | 118 | 3066 |
| 430-530 | 104 | 276 | 37 | 68 | 613 | 26 | 71 | 1191 | 130 | 52 | 586 | 112 | 3266 |
| 445-545 | 107 | 284 | 33 | 63 | 634 | 28 | 64 | 1302 | 118 | 38 | 578 | 100 | 3349 |
| 500-600 | 98 | 277 | 27 | 62 | 620 | 23 | 58 | 1337 | 96 | 26 | 530 | 103 | 3257 |



NORTH BROADWAY.

CLIENT:

CRAIN & ASSOCIATES

PROJECT:

HALL OF JUSTICE DOWNTOWN LA

DATE:

THURSDAY, MAY 16, 2002

PERIOD: INTERSECTION

N/S

07:00 AM TO 09:00 AM NORTH BROADWAY.

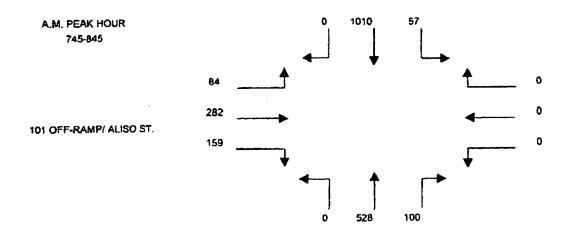
E/W

W NB 101 OFF-RAMP/ ALISO ST.

FILE NUMBER:

2-AM

| 15 MINUTE | 1 | 2 | 3 | 4 | 5 | в | 7 | 8 | 9 | 10 | 11 | 12 | 1 |
|--------------------|------|------|------|------|------|------|------|------|------|------|---------------|------|-------|
| TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT | 1 |
| | | | | | | | | | | | | | • |
| 700-715 | 0 | 179 | 8 | 0 | 0 | 0 | 11 | 110 | 0 | 22 | 58 | 22 | |
| 715-730 | . 0 | 214 | 11 | 0 | 0 | 0 | 16 | 108 | 0 | 29 | 86 | 16 | |
| 730-745 | . 0 | 236 | 16 | 0 | 0 | 0 | 22 | 116 | 0 | 18 | 86 | 18 | |
| 745-800 | ٥ | 251 | 16 | 0 | 0 | 0 | 30 | 138 | 0 | 36 | 70 | 29 | |
| 800-815 | 0 | 243 | 14 | O | 0 | 0 | 23 | 132 | 0 | 36 | 74 | 20 | |
| 615-830 | 0 | 265 | 8 | 0 | 0 | 0 | 33 | 139 | 0 | 49 | 78 | 19 | |
| 830-845 | 0 | 251 | 19 | 0 | 0 | 0 | 14 | 121 | 0 | 38 | 60 | 16 | |
| 845-900 | ٥ | 182 | 24 | 0 | 0 | 0 | 12 | 98 | 0 | 20 | 95 | 18 | |
| 1 HOUR | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT | TOTAL |
| 700-800 | a | 880 | 51 | 0 | 0 | o | 79 | 470 | 0 | 105 | 280 | 85 | 199 |
| 715-815 | 0 | 944 | 57 | 0 | 0 | 0 | 91 | 492 | 0 | 119 | 296 | 83 | 201 |
| 730-830 | 0 | 995 | 54 | . 0 | 0 | 0 | 108 | 523 | 0 | 139 | 308 | 86 | |
| 730-630 745-845 | ٥ | 1010 | 57 | 0 | 0 | 0 | 100 | 528 | 0 | 159 | 282 | 84 | 22 |
| 800-900 | 0 | 941 | 65 | 0 | 0 | 0 | 82 | 490 | 0 | 143 | 307 | 73 | |



NORTH BROADWAY.

CLIENT:

CRAIN & ASSOCIATES

PROJECT:

HALL OF JUSTICE DOWNTOWN L.A.

DATE:

THURSDAY, MAY 18, 2002

PERIOD:

04:00 PM TO 08:00 PM

INTERSECTION N/S

NORTH BROADWAY.

EW

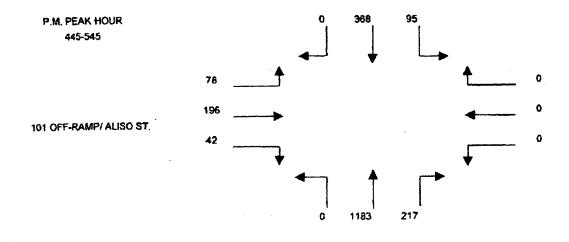
W NB 101 OFF-RAMP/ ALISO ST.

FILE NUMBER:

2-PM

| 15 MINUTE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------|------|------|------|------|------|------|------|------|------|------|------------|------|
| TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT |
| | | | | | | | | | | | | |
| 400-415 | D | 62 | 20 | D | 0 | Đ | 53 | 208 | ٥ | .11 | 32 | 14 |
| 415-430 | 0 | 96 | 14 | 0 | 0 | 0 | 54 | 273 | 0 | 21 | 65 | 32 |
| 430-445 | 0 | 89 | 17 | D | D | 0 | 45 | 261 | 0 | 6 | 47 | 28 |
| 445-500 | 0 | 112 | 25 | 0 | 0 | ٥ | 51 | 322 | 0 | 17 | 68 | 24 |
| 500-515 | 0 | 75 | 28 | D | O | ٥ | 74 | 271 | 0 | 4 | 38 | 14 |
| 515-530 | Q | 77 | 18 | 0 | 0 | 0 | 55 | 282 | 0 | 12 | 43 | 18 |
| 530-545 | 0 | 104 | 26 | ס | 0 | D | 37 | 80E | Đ | e | 47 | 22 |
| 545-600 | 0 | 76 | 23 | 0 | 0 | 0 | 27 | 281 | O | 18 | 6 5 | 53 |

| 1 HOUR | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| TOTALS | SBRT | SBTH | SBLT | WBRT | HT8W | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT | TOTALS |
| | | | | | | | | | | | | | |
| 400-500 | 0 | 359 | 76 | 0 | 0 | 0 | 203 | 1064 | 0 | 55 | 212 | 96 | 2065 |
| 415-515 | 0 | 372 | 84 | 0 | 0 | .0 | 224 | 1127 | 0 | 48 | 218 | 96 | 2169 |
| 430-530 | 0 | 353 | 86 | 0 | 0 | 0 | 225 | 1136 | 0 | 39 | 196 | 82 | 2117 |
| 445-545 | 0 | 368 | 95 | 0 | 0 | 0 | 217 | 1183 | 0 | 42 | 195 | 78 | 2179 |
| 500-600 | 0 | 332 | 93 | 0 | 0 | 0 | 193 | 1142 | 0 | 43 | 193 | 107 | 2103 |



NORTH BROADWAY.

CLIENT:

CRAIN & ASSOCIATES

PROJECT:

HALL OF JUSTICE DOWNTOWN L.A.

DATE:

THURSDAY, MAY 16, 2002

PERIOD:

07:00 AM TO 09:00 AM I/S NORTH BROADWAY.

N/S

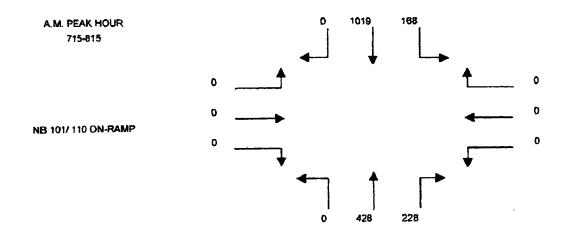
EW NB 101/ 110 ON-RAMP

FILE NUMBER:

1-AM

| 15 MINUTE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------|------|-----------------|------|------|------|------|------|------|------|------|------|------|
| TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT |
| 700-715 | 0 | 209 | 28 | 0 | 0 | 0 | 51 | 96 | ٥ | . 0 | 0 | 0 |
| 715-730 | 0 | 237 | 38 | 0 | 0 | 0 | 56 | 104 | 0 | 0 | 0 | 0 |
| 730-745 | 0 | 260 | 29 | 0 | 0 | 0 | 50 | 107 | 0 | 0 | 0 | 0 |
| 745-800 | 0 | 271 | 68 | 0 | 0 | 0 | 71 | 113 | 0 | 0 | 0 | 0 |
| 800-815 | 0 | 251 | 33 | 0 | 0 | 0 | 51 | 104 | 0 | 0 | 0 | 0 |
| 815-830 | 0 | 246 | 44 | 0 | 0 | 0 | 45 | 95 | 0 | 0 | Q | 0 |
| 830-845 | 0 | 25 9 | 40 | 0 | 0 | 0 | 60 | 67 | 0 | 0 | 0 | 0 |
| 845-900 | D | 248 | 36 | 0 | 0 | 0 | 54 | 92 | 0 | 0 | 0 | 0 |

| Г | 1 HOUR | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
|---|---------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| | TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT | TOTALS |
| - | | | | | | | | | | | | | | |
| | 700-800 | O | 977 | 163 | 0 | ٥ | 0 | 228 | 420 | 0 | 0 | 0 | 0 | 1788 |
| | 715-815 | 0 | 1019 | 168 | O | 0 | 0 | 228 | 428 | 0 | 0 | D | 0 | 1843 |
| | 730-830 | 0 | 1028 | 174 | 0 | Ċ | 0 | 217 | 419 | 0 | 0 | 0 | 0 | 1838 |
| | 745-845 | 0 | 1027 | 185 | 0 | 0 | 0 | 227 | 399 | 0 | 0 | 0 | 0 | 1838 |
| | 800-900 | 0 | 1004 | 153 | 0 | 0 | 0 | 210 | 378 | 0 | 0 | 0 | 0 | 1745 |



NORTH BROADWAY.

CLIENT:

CRAIN & ASSOCIATES

PROJECT:

HALL OF JUSTICE DOWNTOWN LA.

DATE:

THURSDAY, MAY 16, 2002 04:00 PM TO 06:00 PM

PERIOD:

NORTH BROADWAY.

INTERSECTION

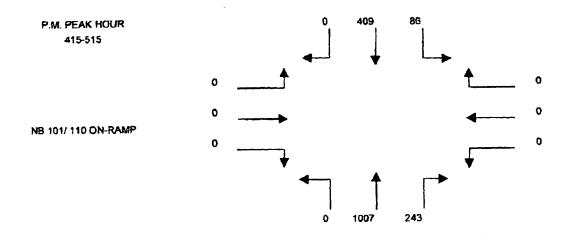
N/S NB 101/ 110 ON-RAMP ΕM

FILE NUMBER:

1-PM

| 15 MINUTE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | 9 | 10 | 11 | 12 |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|
| TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT |
| | | • | | | | | | | | | | |
| 400-415 | 0 | 98 | 26 | 0 | 0 | 0 | 52 | 203 | 0 | 0 | 0 | 0 |
| 415-430 | O | 116 | 32 | 0 | 0 | 0 | 74 | 249 | 0 | 0 | O | 0 |
| 430-445 | 0 | 94 | 19 | 0 | 0 | 0 | 56 | 258 | 0 | 0 | 0 | 0 |
| 445-500 | 0 | 106 | 17 | 0 | ٥ | D | 54 | 247 | 0 | 0 | 0 | 0 |
| 500-515 | 0 | 93 | 18 | 0 | 0 | 0 | 59 | 253 | 0 | 0 | 0 | 0 |
| 515-530 | 0 | 107 | 17 | 0 | 0 | 0 | 46 | 252 | 0 | Ö | Ċ | 0 |
| 530-545 | 0 | 85 | 9 | 0 | 0 | 0 | 62 | 245 | 0 | 0 | 0 | 0 |
| 545-600 | 0 | 105 | 20 | 0 | 0 | D | 46 | 247 | 0 | 0 | Ð | 0 |

| 1 HOUR | 1 | 2 | 3 | 4 | 5 | в | 7 | 8 | 9 | 10 | 11 | 12 | l |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT | TOTALS |
| | | | | | | | | | | | | | |
| 400-500 | 0 | 414 | 94 | 0 | 0 | 0 | 236 | 957 | 0 | 0 | 0 | 0 | 1701 |
| 415-515 | . 0 | 409 | 86 | 0 | 0 | Q | 243 | 1007 | 0 | 0 | 0 | ٥ | 1745 |
| 430-530 | 0 | 400 | 71 | 0 | 0 | 0 | 215 | 1010 | D | 0 | 0 | 0 | 1696 |
| 445-545 | 0 | 391 | 61 | 0 | 0 | O | 221 | 997 | 0 | 0 | 0 | 0 | 1670 |
| 500-600 | 0 | 390 | 64 | 0 | 0 | 0 | 213 | 997 | 0 | 0 | 0 | 0 | 1564 |



NORTH BROADWAY.

CLIENT:

CRAIN & ASSOCIATES

PROJECT:

HALL OF JUSTICE DOWNTOWN L.A.

DATE:

THURSDAY, MAY 16, 2002 07:00 AM TO 09:00 AM

PERIOD:

NORTH SPRING ST.

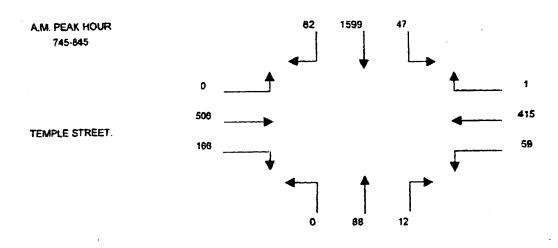
INTERSECTION N/S

W TEMPLE STREET.

FILE NUMBER:

6-AM

| 15 MINUTE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |] |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT | |
| 700-715 | 11 | 253 | 7 | . 1 | 75 | 14 | 4 | 20 | 0 | 34 | 122 | 0 | |
| 715-730 | 16 | 287 | 7 | 0 | 77 | 18 | 3 | 23 | 0 | 36 | 110 | 0 | |
| 730-745 | 12 | 305 | 10 | 2 | 97 | 8 | 4 | 29 | 0 | 34 | 112 | 0 | |
| 745-800 | 18 | 354 | 17 | 0 | 112 | 19 | 3 | 24 | 0 | 31 | 118 | 0 | |
| 800-815 | 28 | 431 | 9 | 0 | 111 | 16 | 3 | 19 | 0 | 45 | 127 | 0 | |
| 815-830 | 13 | 428 | 9 | 1 | 88 | 14 | 3 | 24 | 0 | 39 | 128 | 0 | |
| 830-845 | 25 | 386 | 12 | 0 | 104 | 10 | 3 | 21 | 0 | 51 | 133 | D | |
| 845-900 | 12 | 372 | 19 | 1 | 94 | 9 | 2 | 11 | 0 | 34 | 110 | 0 | |
| 1 HOUR | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | L |
| TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT | TOTAL |
| | | | | _ | | | | | _ | | 400 | _ | |
| 700-800 | 55 | 1199 | 41 | 3 | 361 | 57 | 14 | | | | 462 | 0 | |
| 715-815 | 72 | 1377 | 43 | 2 | 397 | 59 | 13 | | | | 467 | 0 | |
| 730-830 | 69 | 1518 | 45 | 3 | 408 | 55 | 13 | 96 | 0 | 149 | 485 | 0 | |
| 745-845 | 82 | 1599 | 47 | 1 | 415 | 59 | 12 | 88 | 0 | 166 | 506 | 0 | 29 |
| 800-900 | 78 | 1617 | 49 | 2 | 397 | 49 | 11 | 75 | 0 | 169 | 498 | 0 | 29 |



NORTH SPRING ST.

CLIENT:

CRAIN & ASSOCIATES

PROJECT:

HALL OF JUSTICE DOWNTOWN L.A.

DATE:

THURSDAY, MAY 16, 2002

PERIOD:

04:00 PM TO 06:00 PM

INTERSECTION N/S NORTH SPRING ST. TEMPLE STREET.

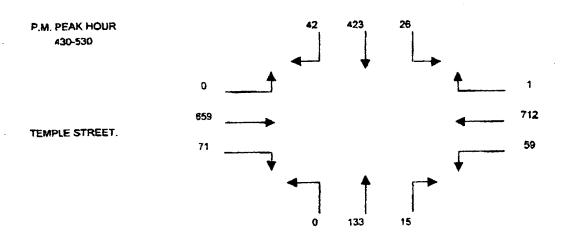
EW

FILE NUMBER:

6-PM

| 15 MINUTE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|
| TOTALS | SERT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT |
| | | | | | | | _ | | _ | | | |
| 400-415 | 26 | 118 | 15 | 7 | 170 | 25 | 5 | 21 | 0 | 17 | 112 | .0 |
| 415-430 | 25 | 129 | 5 | 0 | 193 | 17 | 4 | 28 | 0 | 27 | 125 | 0 |
| 430-445 | 13 | 103 | 9 | 1 | 194 | 7 | 5 | 40 | D | 23 | 185 | 0 |
| 445-500 | 6 | 109 | 7 | 0 | 120 | 21 | 3 | 32 | 0 | 22 | 158 | 0 |
| 500-515 | 16 | 105 | 7 | 0 | 184 | . 11 | 4 | 30 | 0 | 13 | 169 | ٥ |
| 515-530 | 7 | 106 | 3 | 0 | 214 | 20 | 3 | 31 | 0 | 13 | 169 | 0 |
| 530-545 | 9 | 107 | 0 | 1 | 150 | 3 | 3 | 31 | 0 | 17 | 162 | 0 |
| 545-800 | 8 | 93 | 3 | 0 | 172 | 13 | 5 | 39 | 0 | 12 | 119 | 0 |

| 1 HOUR | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | <u>'</u> |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT | TOTALS |
| | | | | | | | | | | | | | |
| 400-500 | 70 | 459 | 37 | 2 | 677 | 70 | 17 | 121 | 0 | 89 | 558 | ٥ | 2100 |
| 415-515 | 60 | 445 | 29 | 1 | 691 | 56 | 18 | 130 | D | 85 | 615 | 0 | 2129 |
| 430-530 | 42 | 423 | 26 | 3 | 712 | 59 | 15 | 133 | 0 | 71 | 659 | D | 2141 |
| 445-545 | 38 | 427 | 17 | 1 | 668 | 55 | 13 | 124 | 0 | 65 | 656 | 0 | 2064 |
| 500-600 | 40 | 411 | 13 | 1 | 720 | 47 | 15 | 131 | 0 | 55 | 619 | 0 | 2052 |



NORTH SPRING ST.

CLIENT:

CRAIN & ASSOCIATES

PROJECT:

HALL OF JUSTICE DOWNTOWN L.A.

DATE:

THURSDAY, MAY 16, 2002

PERIOD:

07:00 AM TO 09:00 AM

INTERSECTION

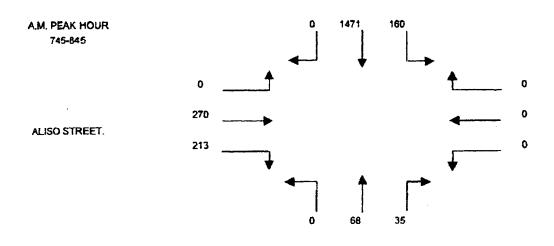
N/S NORTH SPRING ST. E/W ALISO STREET.

FILE NUMBER:

5-AM

| 15 MINUTE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|
| TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT |
| | | | | | | | | | | | | |
| 700-715 | 0 | 248 | 30 | 0 | 0 | 0 | 10 | 18 | 0 | 26 | 59 | 0 |
| 715-730 | 0 | 265 | 31 | 0 | 0 | D | 12 | 17 | 0 | 30 | 63 | 0 |
| 730-745 | 0 | 325 | 45 | 0 | 0 | 0 | 8 | 22 | 0 | 37 | 59 | 0 |
| 745-800 | ٥ | 347 | 40 | 0 | 0 | 0 | 10 | 17 | 0 | 49 | 68 | 0 |
| 800-815 | 0 | 375 | 47 | 0 | 0 | 0 | 7 | 16 | 0 | 55 | 77 | 0 |
| 815-830 | 0 | 390 | 32 | 0 | 0 | 0 | 10 | 16 | 0 | 54 | 67 | 0 |
| 830-845 | 0 | 359 | 41 | 0 | 0 | 0 | 8 | 19 | 0 | 55 | 58 | 0 |
| 845-900 | 0 | 288 | 29 | 0 | 0 | 0 | 5 | 11 | 0 | 44 | 61 | 0 |

| 1 HOUR | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | <u> </u> |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT | TOTALS |
| | | | | | | | | | | | | | |
| 700-800 | 0 | 1183 | 146 | 0 | 0 | 0 | 40 | 74 | 0 | 142 | 249 | 0 | 1834 |
| 715-815 | 0 | 1312 | 163 | 0 | 0 | 0 | 37 | 72 | ۵ | 171 | 267 | 0 | 2022 |
| 730-830 | 0 | 1437 | 164 | 0 | 0 | 0 | 35 | 71 | 0 | 195 | 271 | 0 | 2173 |
| 745-845 | 0 | 1471 | 160 | 0 | 0 | 0 | 35 | 68 | ٥ | 213 | 270 | 0 | 2217 |
| 800-900 | 0 | 1412 | 149 | Q | 0 | 0 | 30 | 62 | 0 | 208 | 263 | 0 | 2124 |



NORTH SPRING ST.

CLIENT:

CRAIN & ASSOCIATES

PROJECT:

HALL OF JUSTICE DOWNTOWN L.A.

DATE:

THURSDAY, MAY 18, 2002

PERIOD:

04:00 PM TO 06:00 PM NORTH SPRING ST.

INTERSECTION N/S

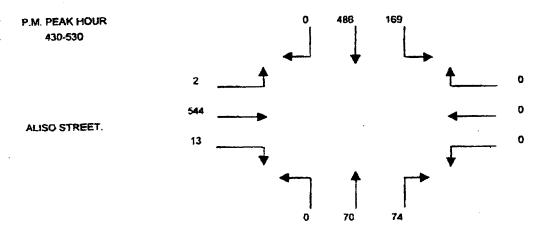
EW ALISO STREET.

FILE NUMBER:

5-PM

| 15 MINUTE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8_ | 9 | 10 | 11 | 12 |
|-----------|------|------|------|------|------|------|------------|------|------|------|------|------|
| TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT |
| | | | | | | | | | | • | | |
| 400-415 | 0 | 133 | 36 | -0 | 0 | 0 | 17 | 14 | 0 | 1 | 101 | 0 |
| 415-430 | 0 | 120 | 29 | 0 | 0 | 0 | 15 | 16 | D | 6 | 118 | 0 |
| 430-445 | 0 | 126 | 55 | 0 | 0 | 0 | 18 | 19 | 0 | 5 | 126 | 0 |
| 445-500 | 0 | 128 | 38 | Ð | ٥ | 0 | 20 | 22 | 0 | 4 | 161 | 1 |
| 500-515 | 0 | 116 | 41 | 0 | D | 0 | 14 | 10 | 0 | 3 | 125 | 1 |
| 515-530 | 0 | 116 | 35 | 0 | 0 | 0 | 2 2 | 19 | D | 1 | 132 | 0 |
| 530-545 | 0 | 125 | 36 | 0 | 0 | 0 | 19 | 117 | 0 | 7 | 119 | 1 |
| 545-600 | 0 | 85 | 19 | 0 | 0 | 0 | 15 | 12 | 0 | 3 | 92 | 0 |

| 1 HOUR | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | <u>l</u> |
|---------|------|----------|------|------|------|------|------|------|------|------|------|------|----------|
| TOTALS | SBRT | SBTH | SBLT | WBRT | HTGW | WBLT | NBRT | HTBN | NBLT | EBRT | EBTH | EBLT | TOTALS |
| | | <u> </u> | | | | | | | | | | | |
| 400-500 | 0 | 507 | 158 | 0 | 0 | 0 | 70 | 71 | 0 | 16 | 506 | 1 | 1329 |
| 415-515 | 0 | 490 | 163 | 0 | D | 0 | 67 | 67 | 0 | 18 | 530 | 2 | 1337 |
| 430-530 | 0 | 486 | 169 | 0 | 0 | 0 | 74 | 70 | D | 13 | 544 | 2 | 1358 |
| 445-545 | 0 | 485 | 150 | 0 | 0 | ٥ | 75 | 68 | 0 | 15 | 537 | 3 | 1333 |
| 500-600 | 0 | 442 | 131 | 0 | 0 | 0 | 70 | 58 | 0 | 14 | 468 | 2 | 1185 |



NORTH SPRING ST.

CLIENT:

CRAIN & ASSOCIATES

PROJECT:

HALL OF JUSTICE DOWNTOWN L.A.

DATE:

THURSDAY, MAY 16, 2002

PERIOD:

07:00 AM TO 09:00 AM

INTERSECTION

N/S NORTH SPRING ST. NB 101 OFF-RAMP.

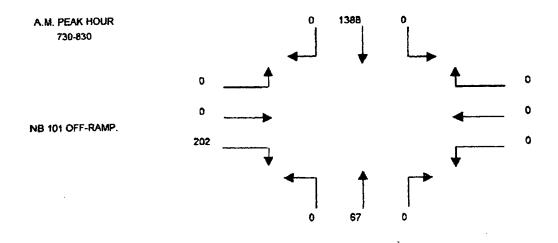
FILE NUMBER:

4-AM

EW

| 15 MINUTE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|
| TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT |
| 700-715 | 0 | 292 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 30 | 0 | 0 |
| 715-730 | 0 | 307 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 24 | 0 | . 0 |
| 730-745 | 0 | 322 | G | 0 | 0 | 0 | 0 | 21 | 0 | 52 | 0 | 0 |
| 745-800 | 0 | 351 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 47 | 0 | O |
| 800-815 | 0 | 356 | 0 | ō | 0 | 0 | ō | 13 | 0 | 54 | 0 | ٠ ٥ |
| 815-830 | 0 | 359 | ٥ | 0 | 0 | 0 | 0 | 17 | D | 49 | 0 | 0 |
| 830-845 | 0 | 320 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 41 | 0 | 0 |
| 845-900 | 0 | 313 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 45 | 0 | 0 |

| 1 HOUR | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
|---------|------|------|------|----------|------|------|------|---------------|------|------|------|------|--------|
| TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT | TOTALS |
| | | | | , | | | | | | | | | |
| 700-800 | 0 | 1272 | 0 | 0 | 0 | 0 | 0 | 75 | 0 | 153 | ٥ | 0 | 1500 |
| 715-815 | 0 | 1336 | 0 | 0 | 0 | 0 | 0 | 69 | 0 | 177 | 0 | C | 1582 |
| 730-830 | 0 | 1388 | 0 | 0 | D | . 0 | 0 | 67 | 0 | 202 | 0 | 0 | 1657 |
| 745-845 | 0 | 1386 | 0 | 0 | 0 | 0 | 0 | 88 | 0 | 191 | 0 | 0 | 1645 |
| 800-900 | 0 | 1348 | 0 | 0 | ٥ | 0 | 0 | 68 | 0 | 189 | 0 | 0 | 1605 |



NORTH SPRING ST.

CLIENT:

CRAIN & ASSOCIATES

PROJECT:

HALL OF JUSTICE DOWNTOWN LA

DATE:

THURSDAY, MAY 16, 2002

PERIOD:

04:00 PM TO 06:00 PM NORTH SPRING ST.

INTERSECTION N/S

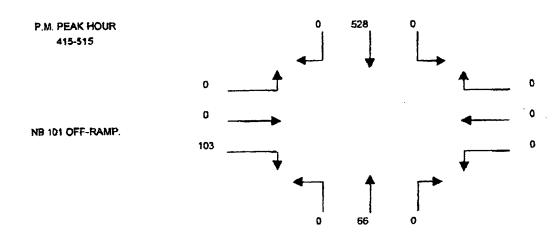
E/W NB 101 OFF-RAMP.

FILE NUMBER:

4-PM

| 15 MINUTE | 1 | 2 | 3 | 4 | 5 | 8 | 7 | 8 | 9 | 10 | 11 | 12 | 1 |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT |] |
| 400-415 | 0 | 125 | D | 0 | 0 | D | 0 | 11 | ٥ | 36 | 0 | 0 | |
| 415-430 | 0 | 129 | 0 | 0 | 0 | 0 | 0 | 20 | . 0 | 37 | 0 | 0 | • |
| 430-445 | 0 | 130 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 20 | 0 | 0 | |
| 445-500 | 0 | 125 | . 0 | 0 | 0 | 0 | 0 | 14 | 0 | 28 | D | Ď | ı |
| 500-515 | 0 | 144 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 18 | 0 | 0 | |
| 515-530 | Ð | 126 | 0 | 0 | ۵ | 0 | 0 | 21 | 0 | 39 | ٥ | 0 | • |
| 530-545 | 0 | 110 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 17 | 0 | 0 | |
| 545-600 | D | 104 | 0 | ò | 0 | . 0 | 0 | 20 | 0 | 40 | 0 | 0 | ı |
| 1 HOUR | 1 | 2 | 3 | 4 | 5 | 6 | 7 | В | 9 | 10 | 11 | 12 | <u> </u> |
| TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WELT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT | TOT |

| 1 | 1 HOUR | 1 | 2 | 3 _ | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | l |
|---|---------|------|------|------|------|------|------|------|------|------|------|------|------|------------|
| | TOTALS | SBRT | SBTH | SBLT | WBRT | WBTH | WBLT | NBRT | NBTH | NBLT | EBRT | EBTH | EBLT | TOTALS |
| _ | | | | | | | | | | | | | | |
| | 400-500 | 0 | 509 | ٥ | 0 | 0 | 0 | 0 | 63 | 0 | 121 | 0 | 0 | 693 |
| | 415-515 | 0 | 528 | 0 | 0 | O | 0 | 0 | 66 | 0 | 103 | 0 | 0 | 897 |
| | 430-530 | 0 | 525 | 0 | 0 | 0 | 0 | 0 | 67 | 0 | 105 | 0 | 0 | 697 |
| | 445-545 | 0 | 505 | 0 | 0 | b | 0 | 0 | 65 | . 0 | 102 | 0 | 0 | 672 |
| | 500-600 | 0 | 484 | 0 | 0 | 0 | 0 | 0 | 71 | 0 | 114 | 0 | 0 | 669 |
| | | | | | | | | | | | | | | |



NORTH SPRING ST.

CLIENT:

CRAIN & ASSOCIATES

PROJECT:

HALL OF JUSTICE DOWNTOWN L.A.

DATE:

THURSDAY, MAY 16, 2002

PERIOD:

M/S II

07:00 AM TO 09:00 AM

INTERSECTION

N/S E/W LOS ANGELES ST. SB 101 ON-RAMP.

327

308

0

FILE NUMBER:

745-845

800-900

7-AM

| 15 MINUTE | 1 | 2 | 3 | · 3F | 7 | 7F | 8 | 10 | 11F | 11 | 12 |] |
|-----------|------|------|------|------|------|------|------|------|------|------|------|--------|
| TOTALS | SBRT | SBTH | SBLT | SBLT | NBRT | NBRT | NBTH | EBRT | EBTH | EBTH | EBLT | • |
| 700-715 | 0 | 58 | 2 | 0 | 17 | 13 | 36 | 58 | 39 | 22 | 2 | |
| 715-730 | 0 | 69 | 3 | 2 | 19 | 16 | 25 | 62 | 46 | 28 | 3 | |
| 730-745 | 0 | 75 | 1 | 1 | 25 | 22 | 26 | 42 | . 37 | 30 | 1 | |
| 745-800 | 0 | 97 | 2 | 0 | 13 | 22 | 28 | 39 | 56 | 21 | 2 | |
| 800-815 | 0 | 64 | . 2 | 3 | 15 | 26 | 31 | 49 | 43 | 27 | 4 | |
| 815-830 | 0 | 74 | 2 | 0 | 10 | 20 | 36 | 48 | 51 | 23 | 1 | |
| 830-845 | 0 | 92 | 2 | 0 | 19 | 19 | 36 | 54 | 57 | 29 | 2 | |
| 845-900 | D | 78 | 1 | 1 | 16 | 14 | 29 | 35 | 48 | 29 | 4 | |
| 1 HOUR | 1 | 2 | 3 | 3F | 7 | 7F | 8 | 10 | 11F | 11 | 12 | |
| TOTALS | SBRT | SBTH | SBLT | SBLT | NBRT | NBRT | NBTH | EBRT | EBTH | EBTH | EBLT | TOTALS |
| 700-800 | 0 | 299 | 8 | 3 | 74 | 73 | 115 | 201 | 178 | 101 | 8 | 1060 |
| 715-815 | 0 | 305 | 8 | 6 | 72 | 86 | 110 | 192 | 182 | 106 | 10 | 1077 |
| 730-830 | 0 | 310 | 7 | 4 | 53 | 90 | 121 | 178 | 187 | 101 | 8 | 1069 |

57

87

79

131

132

190

186

207

199

100

108

1119

1094

9.

CLIENT:

CRAIN & ASSOCIATES

PROJECT:

HALL OF JUSTICE DOWNTOWN LA

DATE:

THURSDAY, MAY 16, 2002

PERIOD: INTERSECTION

04:00 PM TO 08:00 PM N/S LOS ANGELES ST.

EW SB 101 ON-RAMP.

FILE NUMBER:

7-PM

| _ | | , | | | | | | | | | | | |
|---|-----------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1 | 15 MINUTE | 1 | 2 | 3 | 3F | 7 | 7F | 8 | 10 | 11F | 11 | 12 | |
| L | TOTALS | SBRT | SBTH | SBLT | SBLT | NBRT | NBRT | NBTH | EBRT | EBTH | EBTH | EBLT | |
| | | | | | | | | | | | | | = |
| | 400-415 | 0 | 41 | 1 | 5 | 16 | 23 | 72 | 22 | 82 | 31 | 2 | |
| | 415-430 | 0 | 56 | 2 | 4 | 18 | 25 | 82 | 21 | 116 | 49 | 5 | |
| | 430-445 | 0 | 58 | 1 | 3 | 21 | 46 | 124 | 31 | 92 | 63 | 7 | |
| | 445-500 | 0 | 43 | 1 | 3 | 24 | 33 | 147 | 18 | 106 | 74 | 5 | |
| | 500-515 | 0 | 51 | 0 | 2 | 31 | 52 | 148 | 17 | 121 | 75 | 6 | |
| | 515-530 | 0 | 50 | 1 | 0 | 22 | 31 | 144 | 19 | 105 | 82 | 11 | |
| | 530-545 | 0 | 47 | 0 | 1 | 13 | 36 | 159 | 13 | 113 | 68 | 6 | |
| | 545-600 | 0 | 29 | 1 | 2 | 15 | 27 | 132 | 14 | 110 | 54 | 2 | |
| | | | | | | | | | , | | | | |
| Γ | 1 HOUR | 1 | 2 | 3 | 3F | 7 | 7F | 8 | 10 | 11F | 11 | 12 | |
| 1 | TOTALS | SBRT | SBTH | SBLT | SBLT | NBRT | NBRT | NBTH | EBRT | EBTH | EBTH | EBLT | TOTALS |
| | | | | | | | | | | | | | |
| | 400-500 | 0 | 198 | 5 | 15 | 79 | 127 | 425 | 92 | 396 | 217 | 19 | 1573 |
| | 415-515 | 0 | 208 | 4 | 12 | 94 | 156 | 501 | 87 | 435 | 261 | 23 | 1781 |
| | 430-530 | 0 | 202 | 3 | 8 | 98 | 162 | 563 | 85 | 424 | 294 | _29 | 1868 |
| Γ | 445-545 | 0 | 191 | 2 | 6 | 90 | 152 | 598 | 67 | 445 | 299 | 28 | 1878 |
| _ | 500-600 | 0 | 177 | 2 | 5 | 81 | 146 | 583 | 63 | 449 | 279 | 25 | 1810 |
| _ | | | | | | | | | | 449 | | | |

APPENDIX B CMA CALCULATION WORKSHEETS

INTERSECTION: 1, TEMPLE STREET & N. BROADWAY

DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: EXISTING (2003)

** INPUT VOLUMES **

| APPROACH | | | | | ** | | TURNS | ** |
|------------|------|--------|-----------|----------|--------|-------|-------|--------|
| | LEFT | | THROUGH | P. | | GREEN | MAX | |
| WESTBOUND | 33 | | 406 | | | 33 | | 0 |
| EASTBOUND | 38 | | 526 | | 8 | 33 | | 0 |
| NORTHBOUND | 64 | | 565 | | 6 | 55 | | 0 |
| SOUTHBOUND | 88 | | 735 | | 31 | L8 | | 0 |
| | | ** | NUMBER | OF LANE | :s ** | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGH | ir L/ | T/R : | TATO |
| | ONLY | SHARED | ONLY | SHARED | ONI | Y SHA | RED 1 | LANES |
| WESTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | | 3 |
| EASTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | | 3 |
| NORTHBOUND | 1 | 0 | 1 | 1 | 0 | 0 | | 3 |
| SOUTHBOUND | 1 | 0 | 2 | 1 | 0 | 0 | | 4 |
| | * | * ASS | igned lan | IE VOLUM | ES ** | • | | |
| APPROACH | LEFT | LEF. | r THRO | UGH | RIGHT | RIG | HT | L/T/R |
| | ONLY | SHARI | ED ON | ILY | SHARED | ON. | LY | SHARED |
| WESTBOUND | 33 | N/A | A 2 | 20 | 220 | N | /A | N/A |
| EASTBOUND | 38 | N/A | A 3 | 304 | 304 | N | /A | N/A |
| NORTHBOUND | 64 | N/A | A 3 | 315 | 315 | N | /A | N/A |
| SOUTHBOUND | 88 | N/2 | A 3 | 351 | 351 | N | /A | N/A |
| | | | | | | | | |
| | | | | | | | | |

| EAST-WEST CRITICAL VOLUMES | |
|--|-------|
| NORTH-SOUTH CRITICAL VOLUMES | |
| THE SUM OF CRITICAL VOLUMES | 752 |
| NUMBER OF CRITICAL CLEARANCE INTERVALS | 2 |
| CMA VALUE | 0.431 |
| LEVEL OF SERVICE | A |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 2 4/24/03 5:34:05 PM

INTERSECTION:1, TEMPLE STREET & N. BROADWAY
DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: FUTURE (2005) WITHOUT PROJECT

** INPUT VOLUMES **

| APPROACH | | | | * 7 | г | IGHT TURN | _ |
|------------|---------------|----------|----------|-----------|-------------|-----------|-----------|
| | LEFT | | THROUGH | M | IN ON GF | EEN M | ax on RED |
| WESTBOUND | 34 | | 414 | | 34 | | 0 |
| EASTBOUND | 39 | | 537 | | 85 | | 0 |
| NORTHBOUND | | | 576 | | 66 | | 0 |
| SOUTHBOUND | 90 | | 750 | | 324 | | 0 |
| | | ** | NUMBER | OF LANES | ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES |
| WESTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | 3 |
| EASTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | 3 |
| NORTHBOUND | 1 | 0 | 1 | 1 | 0 | 0 | 3 |
| SOUTHBOUND | - | 0 | 2 | 1 | 0 | 0 | 4 |
| | | ** ASSI | GNED LAN | IE VOLUME | S ** | | |
| | | | | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARE | ED ON | ILY S | HARED | ONLY | SHARED |
| WESTBOUND | 34 | N/A | . 2 | 24 | 224 | N/A | N/A |
| EASTBOUND | 39 | N/A | . 3 | 11 | 311 | N/A | N/A |
| NORTHBOUND | 65 | N/A | . 3 | 21 | 321 | N/A | N/A |
| SOUTHBOUND | 90 | N/A | . 3 | 58 | 358 | N/A | N/A |
| | | | | | | | |
| | EAST-WEST CRI | TICAL VO | LUMES | | | 345 | |
| | NORTH-SOUTH C | | | | | 423 | |
| | THE SUM OF CR | ITICAL V | OLUMES . | | • • • • • • | 768 | |
| | NUMBER OF CRI | TICAL CL | EARANCE | INTERVAL | s | 2 | |
| | CMA VALUE | | | | | 0.442 | |
| | LEVEL OF SERV | ICE | | | • • • • • • | А | |
| | | | | | | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 16 4/24/03 5:34:06 PM

INTERSECTION:1, TEMPLE STREET & N. BROADWAY

DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: FUTURE (2005) WITH PROJECT

** INPUT VOLUMES **

| A DDDOACH | | | | * * | + | RIGHT TU | DMG ** |
|------------|---------------|----------|-----------|---------------|-------------|----------|------------|
| APPROACH | LEFT | | THROUGH | MT | EN ON G | | MAX ON RED |
| WESTBOUND | 38 | | 418 | 1.17 | 47 | | 0 |
| EASTBOUND | 66 | | 537 | | 85 | | 0 |
| NORTHBOUND | | | 603 | | 66 | - | Õ |
| SOUTHBOUND | 7.5 | | 750 | | 324 | | 0 |
| BOOTHBOOKB | | | | | | _ | |
| | | ** | NUMBER | OF LANES | 3 ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/ | R TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARE: | D LANES |
| WESTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | 3 |
| EASTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | 3 |
| NORTHBOUND | 1 | 0 | 1 | 1 | 0 | 0 | 3 |
| SOUTHBOUND | 1 | 0 | 2 | 1 | 0 | 0 | 4 |
| | | ** ASS] | IGNED LAN | E VOLUME | ES ** | | |
| APPROACH | LEFT | LEFT | r THRO | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARE | ED ON | ILY S | HARED | ONLY | SHARED |
| WESTBOUND | 38 | N/A | A 2 | 232 | 232 | N/A | N/A |
| EASTBOUND | 66 | N/A | A 3 | 311 | 311 | N/A | N/A |
| NORTHBOUND | 65 | N/A | A 3 | 334 | 334 | N/A | N/A |
| SOUTHBOUND | 90 | N/A | A. 3 | 358 | 358 | N/A | N/A |
| | | | | | | | |
| | EAST-WEST CRI | | | | | | |
| | NORTH-SOUTH C | RITICAL | VOLUMES | • • • • • • • | • • • • • | | |
| | THE SUM OF CR | ITICAL V | OLUMES . | | | 773 | |
| | NUMBER OF CRI | rical ci | LEARANCE | INTERVAL | | . 2 | |
| | CMA VALUE | | | • • • • • • • | | 0.445 | |
| | LEVEL OF SERV | [CE | | | • • • • • • | A | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 30 4/24/03 5:34:06 PM

INTERSECTION: 1, TEMPLE STREET & N. BROADWAY

DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR CASE: FUTURE (2005) WITH PROJECT + CUMULATIVE PROJECTS

** INPUT VOLUMES **

| APPROACH | LEFT | | munoucu. | ** | r | RIGHT TURN | |
|------------|---------------|---|-------------------|-----------------|---------------|------------|-----------|
| WESTBOUND | 38 | | THROUGH 481 | Mı | N ON GR 84 | KEEN M | AX ON RED |
| EASTBOUND | 66 | | 623 | | 100 | | 0 |
| NORTHBOUNI | | | 837 | | 100 | | 0 |
| SOUTHBOUN | | | 801 | | 324 | | 0 0 |
| SOUTHBOOM |) 30 | | 601 | | 324 | | U |
| | | ** | NUMBER | OF LANES | ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES |
| WESTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | 3 |
| EASTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | 3 |
| NORTHBOUND | | 0 | 1 | 1 | 0 | 0 | 3 |
| SOUTHBOUND | 1 | 0 | 2 | 1 | 0 | 0 | 4 |
| | | ** ASS | IGNED LAN | E VOLUME | S ** | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARI | ed on | LY S | HARED | ONLY | SHARED |
| WESTBOUND | 38 | N/A | | 82 | 282 | N/A | N/A |
| EASTBOUND | 66 | N/A | | 62 | 362 | N/A | N/A |
| NORTHBOUND | · · | N/A | | 52 | 452 | N/A | N/A |
| SOUTHBOUND | 90 | N/A | . 3 | 75 | 375 | N/A | A\N |
| | EAST-WEST CR | TMICAL V | AT IDATES | | | 100 | |
| | NORTH-SOUTH | | | • • • • • • • • | | 400 542 | |
| | THE SUM OF C | RITICAL V | OLUMES . | ••••• | • • • • • | 942 | |
| | NUMBER OF CR | ITICAL CI | EARANCE | INTERVAL | s | 2 | |
| | CMA VALUE | • | ••••• | ••••• | (| 0.558 | |
| | LEVEL OF SERV | /ICE | • • • • • • • • • | • • • • • • • • | • • • • • | А | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 44 4/24/03 5:34:06 PM

INTERSECTION: 2, ALISO STREET/SB 101 FWY OFF-RAMP & N. BROADWAY

DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: EXISTING (2003)

** INPUT VOLUMES **

| APPROACH | | | | * * | + | RIGHT TUR | NS ** |
|------------|--------------|------------|----------|-----------------|-----------|-----------|------------|
| | LEFT | | THROUGH | M | IN ON C | GREEN : | MAX ON RED |
| WESTBOUND | 0 | | 0 | | (| ס | 0 |
| EASTBOUND | 85 | | 285 | | 163 | l | 0 |
| NORTHBOUND | 0 | | 533 | | 103 | l | 0 |
| SOUTHBOUND | 58 | | 1020 | | (|) | 0 |
| | | | | | | | |
| | | ** | NUMBER | OF LANES | ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | r L/T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 1 | 1 | 0 | 1 | 0 | 3 |
| NORTHBOUND | 0 | 0 | 2 | 0 | 1 | 0 | 3 |
| SOUTHBOUND | 1 | 0 | 2 | 0 | 0 | 0 | 3 |
| | | | | | | | |
| | | ** ASSI | GNED LAN | E VOLUME | S ** | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARE | D ON | LY S | HARED | ONLY | SHARED |
| WESTBOUND | N/A | A\N | N | /A | N/A | N/A | N/A |
| EASTBOUND | N/A | 185 | 1 | 85 | N/A | 161 | N/A |
| NORTHBOUND | N/A | N/A | . 2 | 66 | N/A | 101 | N/A |
| SOUTHBOUND | 58 | N/A | . 5 | 10 | N/A | N/A | N/A |
| | | | | | | | |
| | | | | | | | |
| | EAST-WEST CR | | | • • • • • • • | • • • • • | | |
| | NORTH-SOUTH | CRITICAL ' | VOLUMES | • • • • • • • | •••• | 510 | |
| | THE SUM OF C | RITICAL V | OLUMES . | • • • • • • • • | | 695 | |
| | NUMBER OF CR | ITICAL CLI | EARANCE | INTERVAL | s | 2 | |
| | CMA VALUE | | | | | 0.394 | |

LEVEL OF SERVICE A

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 3 4/24/03 5:34:05 PM

^{*} Includes CMA value decreased due to ATSAC Implementation.

INTERSECTION: 2, ALISO STREET/SB 101 FWY OFF-RAMP & N. BROADWAY

DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: FUTURE (2005) WITHOUT PROJECT

** INPUT VOLUMES **

| APPROACH | LEFT | | THROUGH | * * MT | N ON GR | RIGHT TURN: | s ** AX ON RED |
|--------------|--------------------------------|---------------|-----------------|-----------|-----------------|-------------|-------------------|
| WESTBOUND | 0 | | 0 | 1-1.1 | 10 VIO VI. 0 | TEEN PE | O RED |
| EASTBOUND | 87 | | 291 | | 164 | | 0 |
| NORTHBOUND | | | 544 | | 103 | | 0 |
| SOUTHBOUND | - | | 1041 | | 0 | | 0 |
| 500111500115 | | | | | | | v |
| | | ** | NUMBER | OF LANES | ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 1 | 1 | 0 | 1 | 0 | 3 |
| NORTHBOUND | | 0 | 2 | . 0 | 1 | 0 | 3 |
| SOUTHBOUND | 1 | 0 | 2 | 0 | 0 | 0 | 3 |
| | | ** ASS] | GNED LAN | E VOLUME | S ** | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARE | ED ON | LY S | HARED | ONLY | SHARED |
| WESTBOUND | N/A | N/A | A N | /A | N/A | N/A | N/A |
| EASTBOUND | N/A | 189 | 9 1 | 89 | N/A | 164 | N/A |
| NORTHBOUND | N/A | N/A | A 2 | 72 | N/A | 103 | N/A |
| SOUTHBOUND | 59 | N/A | A 5 | 20 | N/A | N/A | N/A |
| | | | | | | | |
| | EAST-WEST CRI NORTH-SOUTH C | | - | | | 189 520 | |
| | THE SUM OF CR | ITICAL V | OLUMES . | | • • • • • | 709 | |
| | NUMBER OF CRI | TICAL CI | EARANCE | INTERVAL | s | 2 | |
| | CMA VALUE | • • • • • • • | • • • • • • • | | • • • • • | 0.403 | |
| | LEVEL OF SERV | ICE | • • • • • • • • | | • • • • • | A | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 17 4/24/03 5:34:06 PM

INTERSECTION:2, ALISO STREET/SB 101 FWY OFF-RAMP & N. BROADWAY

DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: FUTURE (2005) WITH PROJECT

** INPUT VOLUMES **

| APPROACH | | | | * * | * | RIGHT TURN | :s ** |
|------------|---------------|-----------|-----------------|-----------------|-------------|------------|-----------|
| | LEFT | | THROUGH | M | IN ON G | GREEN M | AX ON RED |
| WESTBOUND | 0 | | 0 | | C |) | 0 |
| EASTBOUND | 87 | | 318 | | 164 | l | 0 |
| NORTHBOUNI | 0 | | 550 | | 107 | 7 | 0 |
| SOUTHBOUNI | 72 | | 1041 | | C |) | 0 |
| | | | | | | | |
| | | ** | NUMBER | OF LANES | 3 ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 1 | 1 | 0 | 1 | 0 | 3 |
| NORTHBOUND | 0 | 0 | 2 | 0 | 1 | 0 | 3 |
| SOUTHBOUND |) 1 | 0 | 2 | 0 | 0 | 0 | 3 |
| | | ** DQC | IGNED LAN | IF VOLUME | rc ** | | |
| | | PLOD 2 | IGNUD HAN | AP ACPORT | 30 | | |
| APPROACH | LEFT | LEFT | r THRO | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHAR | ED ON | ILY S | HARED | ONLY | SHARED |
| WESTBOUND | N/A | N/A | A N | I/A | N/A | N/A | N/A |
| EASTBOUND | N/A | 202 | 2 2 | 202 | N/A | 164 | N/A |
| NORTHBOUND | • | N/Z | | 275 | N/A | 107 | N/A |
| SOUTHBOUND | 72 | N/A | A 5 | 20 | N/A | N/A | N/A |
| | | | | | | | |
| | | | | | | | |
| | EAST-WEST CR | | | | | | |
| | NORTH-SOUTH | CRITICAL | VOLUMES | • • • • • • • • | • • • • • • | 520 | |
| | THE SUM OF C | RITICAL V | OLUMES . | | | 722 | |
| | NUMBER OF CR | ITICAL CI | EARANCE | INTERVAL | .S | 2 | |
| | | | | | | | |
| | CMA VALUE | | • • • • • • • • | • • • • • • • • | | 0.411 | |
| | LEVEL OF SERV | /ICE | | | | A | |
| | | | | | | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 31 4/24/03 5:34:06 PM

INTERSECTION: 2, ALISO STREET/SB 101 FWY OFF-RAMP & N. BROADWAY

DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR CASE: FUTURE (2005) WITH PROJECT + CUMULATIVE PROJECTS

** INPUT VOLUMES **

| APPROACH | T TITTO | | | ** | | RIGHT TURN | - |
|------------|---------------|-----------|-----------------|-----------------------------|---------------|------------|------------|
| WESTBOUND | LEFT 0 | | THROUGH 0 | M | EN ON G | | IAX ON RED |
| EASTBOUND | 87 | | 394 | | 174 | | 0 |
| NORTHBOUNI | - · | | 821 | | 107 | | 0 0 |
| SOUTHBOUNI | · | | 1082 | | 107 | | 0 |
| DOOTIIDOOM | , , , , , , | | 1002 | | | • | U |
| | | ** | NUMBER | OF LANES | \$ * * | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 1 | 1 | 0 | 1 | 0 | 3 |
| NORTHBOUND | = | 0 | 2 | 0 | 1 | 0 | 3 |
| SOUTHBOUND | 1 | 0 | 2 | 0 | 0 | 0 | 3 |
| | | ** ASSI | GNED LAN | E VOLUME | S ** | | |
| APPROACH | LEFT | LEFT | THRC | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARE | D ON | LY S | HARED | ONLY | SHARED |
| WESTBOUND | N/A | N/A | N N | /A | N/A | N/A | N/A |
| EASTBOUND | N/A | 240 | _ | 40 | N/A | 174 | N/A |
| NORTHBOUND | | N/A | | 10 | N/A | 107 | N/A |
| SOUTHBOUND | 72 | N/A | . 5 | 41 | N/A | N/A | N/A |
| | | | | | | | |
| | EAST-WEST CR | | | - · · · · · · | | 240 | |
| | NORTH-SOUTH (| CRITICAL | VOLUMES | | | 541 | |
| | THE SUM OF C | RITICAL V | OLUMES . | | • • • • • • | 781 | |
| | NUMBER OF CRI | TTTCAL CL | FADANCE | T NY 77 E T NY 7 T N | c | 2 | |
| | TOTAL OF CRI | | THAIRMIN . | T14 T T1 12 (AVT) | | ۷ | |
| | CMA VALUE | | • • • • • • • • | • • • • • • • • | • • • • • • | 0.451 | |
| | LEVEL OF SERV | TICE | • • • • • • • • | • • • • • • • • | • • • • • • | А | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 45 4/24/03 5:34:06 PM

INTERSECTION: 3, NB 101 FWY ON-RAMP & N. BROADWAY

DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: EXISTING (2003)

** INPUT VOLUMES **

| APPROACH | T 171770 | | munoucu | ** | tn on gi | RIGHT TURN: | - | | |
|-----------------------------|----------------------------|--------|---------------|---------------|-----------|-------------|----------------|--|--|
| tin ompount | LEFT | | THROUGH 0 | M | IN ON GE | KEEN MA | AX ON RED 0 | | |
| WESTBOUND | 0 | | 0 | | 0 | | 0 | | |
| EASTBOUND | | | | | 230 | | 0 | | |
| NORTHBOUNI SOUTHBOUNI | | | 432 1029 | | 230 | | 0 | | |
| SOUTHBOUND | 170 | | 1029 | | U | | U | | |
| ** NUMBER OF LANES ** | | | | | | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL | | |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES | | |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| EASTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| NORTHBOUND | 0 | 0 | 1 | 1 | 0 | 0 | 2 | | |
| SOUTHBOUND | 1 | 0 | 2 | 0 | 0 | 0 | 3 | | |
| ** ASSIGNED LANE VOLUMES ** | | | | | | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R | | |
| | ONLY | SHARE | D ON | LY S | HARED | ONLY | SHARED | | |
| WESTBOUND | N/A | N/A | . N | /A | N/A | N/A | N/A | | |
| EASTBOUND | N/A | N/A | . N | /A | N/A | N/A | N/A | | |
| NORTHBOUND | N/A | N/A | . 3 | 31 | 331 | N/A | N/A | | |
| SOUTHBOUND | 170 | N/A | . 5 | 14 | N/A | N/A | N/A | | |
| | | | | | | | | | |
| | EAST-WEST CRITICAL VOLUMES | | | | | 0 | | | |
| | NORTH-SOUTH | 514 | | | | | | | |
| | THE SUM OF C | 514 | | | | | | | |
| | NUMBER OF CR | 2 | | | | | | | |
| | CMA VALUE | | | | | 0.428 | | | |
| | LEVEL OF SERV | /ICE | • • • • • • • | • • • • • • • | • • • • • | А | | | |

Capacity assumed = 1200.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 4 4/24/03 5:34:05 PM

INTERSECTION: 3, NB 101 FWY ON-RAMP & N. BROADWAY DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: FUTURE (2005) WITHOUT PROJECT

** INPUT VOLUMES **

| APPROACH | | | | ** | ŧ | RIGHT TURN | IS ** | | |
|-----------------------------|--|---------|---------|----------|-----------|------------|------------|--|--|
| | LEFT | | THROUGH | MI | N ON G | | IAX ON RED | | |
| WESTBOUND | 0 | | 0 | | 0 | | 0 | | |
| EASTBOUND | 0 | | 0 | | 0 | | 0 | | |
| NORTHBOUND | 0 | | 441 | | 235 | | 0 | | |
| SOUTHBOUND | 173 | | 1050 | | 0 | | 0 | | |
| | | | | | | | | | |
| | | ** | NUMBER | OF LANES | ** | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL | | |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES | | |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| EASTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| NORTHBOUND | _ | 0 | 1 | 1 | 0 | 0 | 2 | | |
| SOUTHBOUND | 1 | 0 | 2 | 0 | 0 | 0 | 3 | | |
| ** ASSIGNED LANE VOLUMES ** | | | | | | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R | | |
| | ONLY | SHARE | D ON | LY S | HARED | ONLY | SHARED | | |
| WESTBOUND | N/A | N/A | N. | /A | N/A | N/A | N/A | | |
| EASTBOUND | N/A | N/A | | /A | N/A | N/A | N/A | | |
| NORTHBOUND | | N/A | | | 338 | N/A | N/A | | |
| SOUTHBOUND | 173 | n/A | . 5: | 25 | N/A | N/A | N/A | | |
| | EAST-WEST CRI | | | | | 0 | | | |
| | NORTH-SOUTH C | 525 | | | | | | | |
| | THE SUM OF CRITICAL VOLUMES | | | | | 525 | | | |
| | NUMBER OF CRITICAL CLEARANCE INTERVALS | | | | | 2 | | | |
| | CMA VALUE | | | | | 0.438 | | | |
| | LEVEL OF SERV | TCE | | | • • • • • | А | | | |

Capacity assumed = 1200.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 18 4/24/03 5:34:06 PM

INTERSECTION: 3, NB 101 FWY ON-RAMP & N. BROADWAY DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: FUTURE (2005) WITH PROJECT

** INPUT VOLUMES **

| 3 D D D O 3 GU | | | | * * | . | RIGHT TURN | c ** | | | |
|-----------------------------|--|--------|---------------|--------|----------|------------|----------------|--|--|--|
| APPROACH | LEFT | | THROUGH | | IN ON G | | AX ON RED | | | |
| WESTBOUND | 0 TEL1 | | 1 nrougn 0 | 1413 | IN ON G | | AA ON KED 0 | | | |
| EASTBOUND | 0 | | 0 | | 0 | | 0 | | | |
| NORTHBOUNI | | | 443 | | 239 | | Ö | | | |
| SOUTHBOUND | | | 1063 | | 200 | | Ő | | | |
| BOOTHBOOK | 1,3 | | 1000 | | J | | v | | | |
| ** NUMBER OF LANES ** | | | | | | | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL | | | |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES | | | |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| EASTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| NORTHBOUNI | 0 | 0 | 1 | 1 | 0 | 0 | 2 | | | |
| SOUTHBOUND | 1 | 0 | 2 | 0 | 0 | 0 | 3 | | | |
| ** ASSIGNED LANE VOLUMES ** | | | | | | | | | | |
| | | | | _ | | | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R | | | |
| | ONLY | SHARE | D ON | LY S | HARED | ONLY | SHARED | | | |
| WESTBOUND | N/A | N/A | , N | /A | N/A | N/A | N/A | | | |
| EASTBOUND | N/A | N/A | n/a n | | N/A | N/A | N/A | | | |
| NORTHBOUND | N/A | N/A 3 | | 41 | 341 | N/A | N/A | | | |
| SOUTHBOUND | 173 | N/A | . 5 | 32 | N/A | N/A | N/A | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | EAST-WEST CR | | | | | 0 | | | | |
| | NORTH-SOUTH | 532 | | | | | | | | |
| | THE SUM OF CRITICAL VOLUMES | | | | | 532 | | | | |
| | NUMBER OF CRITICAL CLEARANCE INTERVALS | | | | | 2 | | | | |
| | NUMBER OF CRITICAL CLEARANCE INTERVALS | | | | | 4 | | | | |
| | CMA VALUE | | | | | 0.443 | | | | |
| | LEVEL OF SERV | /ICE | | | | Α | | | | |
| | | | | | | | | | | |

Capacity assumed = 1200.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 32 4/24/03 5:34:06 PM

INTERSECTION: 3, NB 101 FWY ON-RAMP & N. BROADWAY
DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR
CASE: FUTURE (2005) WITH PROJECT + CUMULATIVE PROJECTS

** INPUT VOLUMES **

| APPROACH | T 171 77000 | | | ** | | RIGHT TU | | | |
|-----------------------------|--|--------|-------------------|-----------------|-------|----------|------------|---|--|
| TITI OME OTTER | LEFT | | THROUGH | MI | N ON | | MAX ON RED |) | |
| WESTBOUND | 0 | | 0 | | | 0 | 0 | | |
| EASTBOUND | 0 | | 0 658 | | 29 | 0 | 0 | | |
| NORTHBOUNI SOUTHBOUNI | • | | 1104 | | | 0 | 0 | | |
| SOUTHBOOM |) 1/3 | | 1104 | | | U | U | | |
| | | ** | NUMBER | OF LANES | ** | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGH | T L/T/ | 'R TOTAL | | |
| | ONLY | SHARED | ONLY | SHARED | ONL | Y SHARE | ED LANES | | |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| EASTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| NORTHBOUNI | - | 0 | 1 | 1 | 0 | 0 | 2 | | |
| SOUTHBOUND | 1 | 0 | 2 | 0 | 0 | 0 | 3 | | |
| ** ASSIGNED LANE VOLUMES ** | | | | | | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R | | |
| | ONLY | SHARE | | LY S | HARED | ONLY | SHARED | | |
| WESTBOUND | N/A | N/A | | /A | N/A | N/A | N/A | | |
| EASTBOUND | N/A | N/A | | /A | | | N/A | | |
| NORTHBOUND | | N/A | | 77 477 | | N/A | , | | |
| SOUTHBOUND | 173 | N/A | N/A 552 | | N/A | N/A | . N/A | | |
| | | | | | | | | | |
| EAST-WEST CRITICAL VOLUMES | | | | | | | | | |
| | THE SUM OF CRITICAL VOLUMES | | | | | | | | |
| | NUMBER OF CRITICAL CLEARANCE INTERVALS 2 | | | | | | | | |
| | CMA VALUE | | | | | . 0.542 | | | |
| | LEVEL OF SER | VICE | • • • • • • • • • | • • • • • • • • | | . A | | | |

Capacity assumed = 1200.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 46 4/24/03 5:34:06 PM

INTERSECTION:4, TEMPLE STREET & N. SPRING STREET DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: EXISTING (2003)

** INPUT VOLUMES **

| | | | • | | | | | | |
|-----------------------------|---------------|-----------|-----------------|---------------|-----------|------------|-----------|--|--|
| APPROACH | | | | ** | F | RIGHT TURN | s ** | | |
| | LEFT | | THROUGH | MI | N ON GE | REEN M | AX ON RED | | |
| WESTBOUND | 60 | | 419 | | 1 | | 0 | | |
| EASTBOUND | 0 | | 511 | | 168 | | 0 | | |
| NORTHBOUN | 0 | | 89 12 | | | | 0 | | |
| SOUTHBOUN | D 47 | | 1615 | | 83 | | 0 | | |
| | | | | | | | | | |
| | | ** | NUMBER | OF LANES | ** | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL | | |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES | | |
| WESTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | 3 | | |
| EASTBOUND | 0 | 1 | 0 | 1 | 0 | 0 | 2 | | |
| NORTHBOUN | | 0 | 1 | 1 | 0 | 0 | 2 | | |
| SOUTHBOUN | 1 | 0 | 3 | 1 | 0 | 0 | 5 | | |
| ** Assigned Lane volumes ** | | | | | | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R | | |
| | ONLY | SHARE | ED ON | LY S | HARED | ONLY | SHARED | | |
| WESTBOUND | 60 | N/A | . 2 | 10 | 210 | N/A | N/A | | |
| EASTBOUND | N/A | 340 | 340 N | | 340 | N/A | N/A | | |
| NORTHBOUNI | N/A | N/A | 1 | 50 | 50 | N/A | N/A | | |
| SOUTHBOUNI | 47 | N/A | 4 | 24 | 424 | N/A | N/A | | |
| | EAST-WEST CR | ITICAI NO | at iime c | | | 400 | | | |
| | NORTH-SOUTH | | 424 | | | | | | |
| | | | | | | | | | |
| | THE SUM OF C | • • • • • | 824 | | | | | | |
| | NUMBER OF CR | s | 2 | | | | | | |
| | CMA VALUE | | | | | 0.479 | | | |
| | LEVEL OF SERV | VICE | • • • • • • • • | • • • • • • • | • • • • • | A | | | |
| | | | | | | | | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 5 4/24/03 5:34:05 PM

INTERSECTION: 4, TEMPLE STREET & N. SPRING STREET

DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: FUTURE (2005) WITHOUT PROJECT

** INPUT VOLUMES **

| APPROACH WESTBOUND EASTBOUND | LEFT 61 0 | | THROUGH 427 521 | ** M | IN ON 0 | 1 1 | IAX ON RED 0 0 |
|------------------------------|-----------------|----------|-----------------------|---------------|-------------|----------------|----------------------|
| NORTHBOUND | | | 91 1647 | | 12 85 | - * | 0 0 |
| SOUTHBOUND | 40 | | 1047 | | 0. | , | O |
| | | ** | NUMBER | OF LANES | 3 ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONL | Y SHARED 0 | LANES |
| WESTBOUND | 1 | 0 | 1 | 1 | 0 0 | 0 | 3 2 |
| EASTBOUND | 0 | 1 0 | 0 1 | 1 1 | 0 | 0 | 2 |
| NORTHBOUND | | 0 | 3 | 1 | 0 | 0 | 5 |
| SOUTHBOUND | . Т | U | 3 | 1 | U | U | ວ |
| | | ** ASS | GNED LAN | E VOLUME | ES ** | | |
| APPROACH | LEFT | LEFT | THRC | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHAR | ED ON | ILY S | HARED | ONLY | SHARED |
| WESTBOUND | 61 | N/I | A 2 | 14 | 214 | N/A | N/A |
| EASTBOUND | N/A | 346 | - | /A | 346 | N/A | N/A |
| NORTHBOUND | N/A | N/A | Ŧ | 52 | 52 | N/A | N/A |
| SOUTHBOUND | 48 | N/A | 4 | .33 | 433 | N/A | A\N |
| | | | | | | | |
| | EAST-WEST CRI | | | • • • • • • • | | | |
| | NORTH-SOUTH C | RITICAL | VOLUMES | | • • • • • • | 433 | |
| | THE SUM OF CR | ITICAL V | OLUMES . | | | . 840 | |
| | NUMBER OF CRI | rical ci | EARANCE | INTERVAL | .s | . 2 | |
| | CMA VALUE | | • • • • • • • • | | • • • • • | 0.490 | |
| | LEVEL OF SERV | [CE | | | • • • • • | A | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 19 4/24/03 5:34:06 PM

INTERSECTION: 4, TEMPLE STREET & N. SPRING STREET DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: FUTURE (2005) WITH PROJECT

** INPUT VOLUMES **

| APPROACH | T 0.000 | | muboucu | ** | r In on Gr | IGHT TURN: | s ** AX ON RED |
|----------------------|---------------|----------|----------------|---------------|---------------|------------|-------------------|
| | LEFT 61 | | THROUGH 440 | M | IN ON GR | een M | O KED |
| WESTBOUND | 0 | | 521 | | 171 | | 0 |
| EASTBOUND NORTHBOUND | | | 91 | | 12 | | Ö |
| SOUTHBOUND | · | | 1647 | | 92 | | û |
| SOUTHBOOME | , 50 | | 104, | | J . | | v |
| | | ** | NUMBER | OF LANES | 3 ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES |
| WESTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | 3 |
| EASTBOUND | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| NORTHBOUND | | 0 | 1 | 1 | 0 | 0 | 2 |
| SOUTHBOUND | 1 | 0 | 3 | 1 | 0 | 0 | 5 |
| | | ** ASSI | GNED LAN | E VOLUM | ES ** | | |
| APPROACH | LEFT | LEFT | THRO | | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARE | | | SHARED | ONLY | SHARED |
| WESTBOUND | 61 | N/A | - | 20 | 220 | N/A | N/A |
| EASTBOUND | N/A | 346 | | /A | 346 | N/A | N/A |
| NORTHBOUND | | N/A | _ | 52 | 52 | N/A | N/A |
| SOUTHBOUND | 50 | N/A | . 4 | 35 | 435 | N/A | N/A |
| | | | | | | | |
| | EAST-WEST CRI | TICAL VO | TUMES | | | 407 | |
| | NORTH-SOUTH C | | | | | 435 | |
| | THE SUM OF CR | ITICAL V | OLUMES . | | | 842 | |
| | NUMBER OF CRI | TICAL CL | EARANCE | INTERVAI | is | 2 | |
| | CMA VALUE | | | | | 0.491 | |
| | LEVEL OF SERV | ICE | | • • • • • • • | | A | |
| | | | | | | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 33 4/24/03 5:34:06 PM

INTERSECTION: 4, TEMPLE STREET & N. SPRING STREET
DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR
CASE: FUTURE (2005) WITH PROJECT + CUMULATIVE PROJECTS

** INPUT VOLUMES **

| APPROACH | LEFT | | munoucu | ** | r | RIGHT TURN: | |
|------------|----------------|----------|-----------------|----------|-----------|-------------|-----------|
| WESTBOUND | 61 | | THROUGH 553 | MI | N ON GF | KEEN MA | AX ON RED |
| EASTBOUND | 0 | | 579 | | 186 | | 0 0 |
| NORTHBOUND | - | | 91 | | 12 | | 0 |
| SOUTHBOUND | - | | 1701 | | 92 | | 0 |
| SOUTHBOOKE | , 30 | | 1701 | | 22 | | U |
| | | ** | NUMBER | OF LANES | ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES |
| WESTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | 3 |
| EASTBOUND | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| NORTHBOUND | | 0 | 1 | 1 | 0 | 0 | 2 |
| SOUTHBOUND | 1 | 0 | 3 | 1 | 0 | 0 | 5 |
| | | ** ASSI | GNED LAN | E VOLUME | s ** | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARE | D ON | LY S | HARED | ONLY | SHARED |
| WESTBOUND | 61 | N/A | . 2 | 77 | 277 | N/A | N/A |
| EASTBOUND | N/A | 382 | N | /A | 382 | N/A | N/A |
| NORTHBOUND | N/A | N/A | | 52 | 52 | N/A | N/A |
| SOUTHBOUND | 50 | N/A | . 4 | 48 | 448 | N/A | N/A |
| | | | | | | | |
| | EAST-WEST CRIT | CAL VO | LUMES | | | 443 | |
| | NORTH-SOUTH CH | RITICAL | VOLUMES | | | 448 | |
| | | | | | | | |
| | THE SUM OF CR | TICAL V | OLUMES . | | • • • • • | 891 | |
| | NUMBER OF CRIT | CICAL CL | EARANCE | INTERVAL | s | 2 | |
| | CMA VALUE | | • • • • • • • • | | | 0.524 | |
| | LEVEL OF SERVI | CE | | | • • • • • | A | |
| | | | | | | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 47 4/24/03 5:34:06 PM

INTERSECTION: 5, ALISO STREET & N. SPRING STREET

DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: EXISTING (2003)

** INPUT VOLUMES **

| APPROACH | | | | ** | | RIGHT TURN | s ** |
|------------|--------------|------------|---------------|----------|--------|------------|-----------|
| | LEFT | T | THROUGH | MI | N ON G | REEN M | AX ON RED |
| WESTBOUND | 0 | | 0 | | 0 | | 0 |
| EASTBOUND | 0 | | 273 | | 215 | | 0 |
| NORTHBOUND | 0 | | 69 | | 35 | | 0 |
| SOUTHBOUND | 162 | | 1486 | | 0 | | 0 |
| | | | | | | | |
| | | ** | NUMBER | OF LANES | ** | | |
| APPROACH | LEFT | LEFT T | HROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 1 | 1 | 1 | 0 | 0 | 3 |
| NORTHBOUND | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| SOUTHBOUND | 1 | 0 | 4 | 0 | 0 | 0 | 5 |
| | | ** D997C | יאובים דאאי | E VOLUME | c ** | | |
| | | ASSIG | אוציד מיזווני | E VOLUME | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARED | ON | LY S | HARED | ONLY | SHARED |
| WESTBOUND | N/A | N/A | N | /A | N/A | N/A | N/A |
| EASTBOUND | N/A | 136 | 1 | 36 | N/A | 215 | N/A |
| NORTHBOUND | N/A | N/A | | 52 | 52 | N/A | N/A |
| SOUTHBOUND | 162 | N/A | 3 | 72 | N/A | N/A | N/A |
| | | | | | | | ÷ |
| | | | | | | | |
| | EAST-WEST CR | ITICAL VOL | UMES | | | 215 | |
| | NORTH-SOUTH | CRITICAL V | OLUMES | | | 372 | |
| | THE SUM OF C | RITICAL VO | LUMES . | | | 587 | |
| | | TMT031 655 | * D * 1100 | T | | | |
| | NUMBER OF CR | ITICAL CLE | ARANCE | INTERVAL | S | 2 | |
| | CMA VALUE | | | | | 0.333 | |

LEVEL OF SERVICE A

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 6 4/24/03 5:34:06 PM

^{*} Includes CMA value decreased due to ATSAC Implementation.

INTERSECTION: 5, ALISO STREET & N. SPRING STREET

DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: FUTURE (2005) WITHOUT PROJECT

** INPUT VOLUMES **

| APPROACH | 7 77700 | | munoman | ** | ν. | IGHT TURN | | | | |
|---------------|--------------------------------|----------|---|---------------|-----------|------------|-----------|--|--|--|
| TITIOTTO OTTO | LEFT 0 | | THROUGH 0 | MI | N ON GR | een M | AX ON RED | | | |
| WESTBOUND | 0 | | 278 | | 219 | | 0 | | | |
| EASTBOUND | = | | 278 70 | | 36 | | 0 | | | |
| NORTHBOUND | • | | 76 1516 | | 0 | | 0 | | | |
| SOUTHBOUND | 163 | | 1316 | | . 0 | | U | | | |
| | ** NUMBER OF LANES ** | | | | | | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL | | | |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES | | | |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| EASTBOUND | 0 | 1 | 1 | 1 | 0 | 0 | 3 | | | |
| NORTHBOUND | 0 | 0 | 1 | 1 | 0 | 0 | 2 | | | |
| SOUTHBOUND | 1 | 0 | 4 | 0 | 0 | 0 | 5 | | | |
| | | ** ASS] | GNED LAN | E VOLUME | :s ** | | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R | | | |
| | ONLY | SHARE | ED ON | LY S | HARED | ONLY | SHARED | | | |
| WESTBOUND | N/A | N/A | A N | /A | N/A | N/A | N/A | | | |
| EASTBOUND | N/A | 139 |) 1 | 39 | N/A | 219 | N/A | | | |
| NORTHBOUND | N/A | N/A | 1 | 53 | 53 | N/A | N/A | | | |
| SOUTHBOUND | 165 | N/P | 3 | 79 | N/A | N/A | N/A | | | |
| | | | | | | | | | | |
| | EAST-WEST CRI NORTH-SOUTH C | | | | | 219 379 | | | | |
| | THE SUM OF CR | ITICAL V | OLUMES . | • • • • • • • | | 598 | | | | |
| | NUMBER OF CRI | TICAL CI | EARANCE | INTERVAL | s | 2 | | | | |
| | CMA VALUE | •••••• | • • • • • • • | • • • • • • • | (| .339 | | | | |
| | LEVEL OF SERV | ICE | • | • • • • • • • | • • • • • | A | | | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 20 4/24/03 5:34:06 PM

INTERSECTION: 5, ALISO STREET & N. SPRING STREET DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: FUTURE (2005) WITH PROJECT

** INPUT VOLUMES **

| APPROACH | | | | * | * | RIGHT TURN | ıs ** |
|--------------|---------------|---------------------|-----------|----------|---------|------------|------------|
| | LEFT | | THROUGH | M | IN ON G | REEN N | MAX ON RED |
| WESTBOUND | 0 | | 0 | | 0 | | 0 |
| EASTBOUND | 0 | | 282 | | 259 | | 0 |
| NORTHBOUNI | 0 | | 70 | | 36 | | 0 |
| SOUTHBOUND | 165 | | 1543 | | 0 | | 0 |
| | | ** | NUMBER | OF LANES | 3 ** | | |
| 3 DDD | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| APPROACH | ONLY | SHARED | ONLY | SHARED | ONLY | | LANES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 1 | 1 | 1 | 0 | 0 | 3 |
| NORTHBOUND | _ | Ô | 1 | 1 | 0 | Ö | 2 |
| SOUTHBOUND | • | 0 | 4 | 0 | 0 | ŏ. | 5 |
| 500111200112 | _ | • | - | · | • | | • |
| | | ** ASS | IGNED LAN | E VOLUME | ES ** | | |
| APPROACH | LEFT | LEFT | THRC | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARI | ed on | LY S | SHARED | ONLY | SHARED |
| WESTBOUND | N/A | N/A | N P | /A | N/A | N/A | N/A |
| EASTBOUND | N/A | 141 | l 1 | 41 | N/A | 259 | N/A |
| NORTHBOUND | | N/A | _ | 53 | 53 | N/A | N/A |
| SOUTHBOUND | 165 | N/ <i>I</i> | 4 3 | 86 | N/A | N/A | N/A |
| | | | | | | | |
| | EAST-WEST CR | የምፕሮ <u>ል</u> ፣ አ/ር | TIMES | | | 259 | |
| | NORTH-SOUTH | | | | | 386 | |
| | THE SUM OF C | RITICAL V | OLUMES . | | | 645 | |
| | | | | | | | |
| | NUMBER OF CR | TICAL CI | LEARANCE | INTERVAL | LS | 2 | |
| | CMA VALUE | | | | | 0.366 | |
| | LEVEL OF SERV | /ICE | | | | A | |
| | | | • | | | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 34 4/24/03 5:34:06 PM

INTERSECTION:5, ALISO STREET & N. SPRING STREET
DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR
CASE: FUTURE (2005) WITH PROJECT + CUMULATIVE PROJECTS

** INPUT VOLUMES **

| APPROACH | | | | ** | , | RIGHT T | URNS | ** |
|------------|--------------|-----------|-----------|---------------|-------------|---------|---------|-------|
| | LEFT | | THROUGH | MI | N ON G | FREEN | MAX O | N RED |
| WESTBOUND | 0 | | 0 | | C |) | | 0 |
| EASTBOUND | 0 | | 319 | | 298 | 3 | | 0 |
| NORTHBOUND | 0 | | 70 | | 36 | 5 | | 0 |
| SOUTHBOUND | 165 | | 1559 | | C |) | | 0 |
| | | ** | NUMBER | OF LANES | ** | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T | '/R TO' | TAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | = | | NES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1120 |
| EASTBOUND | 0 | 1 | 1 | 1 | Ö | Ö | 3 | |
| NORTHBOUND | 0 | O | 1 | 1 | 0 | 0 | 2 | |
| SOUTHBOUND | | 0 | 4 | 0 | 0 | 0 | 5 | |
| | | | | | | | | |
| | | ** ASS | igned lan | IE VOLUME | S ** | | | |
| APPROACH | LEFT | LEFT | r THRO | UGH | RIGHT | RIGH | T. | L/T/R |
| | ONLY | SHAR | ED ON | ILY S | HARED | ONL | Y SI | HARED |
| WESTBOUND | N/A | N/2 | | I/A | N/A | N/. | A | N/A |
| EASTBOUND | N/A | 160 |) 1 | .60 | N/A | 29 | 8 | N/A |
| NORTHBOUND | N/A | N/A | A | 53 | 53 | N/. | A | N/A |
| SOUTHBOUND | 165 | N/A | A 3 | 90 | N/A | N/ | A | N/A |
| | | | | | | | | |
| | EAST-WEST CR | ITICAL VO | LUMES | | | 298 | | |
| | NORTH-SOUTH | CRITICAL | VOLUMES | | | 390 | | |
| | | | | | | | | |
| | THE SUM OF C | RITICAL V | OLUMES . | • • • • • • • | • • • • • • | 688 | | |
| | NUMBER OF CR | ITICAL CI | EARANCE | INTERVAL | s | 2 | | |
| | CMA VALUE | | | ••••• | • • • • • • | 0.390 | | |
| | LEVEL OF SER | VICE | | ••••• | | А | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 48 4/24/03 5:34:06 PM

INTERSECTION: 6, NB 101 FWY OFF-RAMP & N. SPRING STREET

DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: EXISTING (2003)

** INPUT VOLUMES **

| APPROACH | THE | m | upoucu | ** | L. | GHT TURNS | |
|------------------------|---------------|------------|---|-----------------|-----------|-----------|----------------|
| MEGEDOINID | LEFT O | 111 | HROUGH 0 | MI | N ON GRE | EEN MA | AX ON RED 0 |
| WESTBOUND EASTBOUND | 0 | | 0 | | 204 | | 0 |
| NORTHBOUNI | · · | | 68 | | 204 | | 0 |
| SOUTHBOUNI | | | 1402 | | 0 | | 0 |
| BOOTHBOOK | , | | 1102 | | · | | Ū |
| | | **] | NUMBER | OF LANES | ** | | |
| APPROACH | LEFT | LEFT T | HROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES |
| WESTBOUND | 0 | 0 - | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| NORTHBOUND | | 0 | 2 | 0 | 0 | 0 | 2 |
| SOUTHBOUND | 0 | О | 4 | 0 | 0 | 0 | 4 |
| | | ** ASSIGN | NED LAN | E VOLUME | S ** | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARED | ON | LY S | HARED | ONLY | SHARED |
| WESTBOUND | N/A | N/A | . И | /A | N/A | N/A | N/A |
| EASTBOUND | N/A | N/A | | /A | N/A | 102 | N/A |
| NORTHBOUND | | N/A | | 34 | N/A | N/A | N/A |
| SOUTHBOUND | N/A | N/A | 3 | 50 | N/A | N/A | N/A |
| | | | | | | | |
| | EAST-WEST CRI | | | | | 102 | |
| | NORTH-SOUTH C | RITICAL VO | LUMES | • • • • • • • | | 350 | |
| | THE SUM OF CR | ITICAL VOI | LUMES . | | • • • • • | 452 | |
| | NUMBER OF CRI | TICAL CLEA | ARANCE | INTERVAL | s | 2 | |
| | CMA VALUE | | • | • • • • • • • • | 0 | .377 | |
| | LEVEL OF SERV | ICE | • • • • • • | • • • • • • • | • • • • • | A | |

Capacity assumed = 1200.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 7 4/24/03 5:34:06 PM

INTERSECTION:6, NB 101 FWY OFF-RAMP & N. SPRING STREET

DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: FUTURE (2005) WITHOUT PROJECT

** INPUT VOLUMES **

| APPROACH | | | | ** | T, | IGHT TURN | |
|---------------|---------------|-----------------|-------------------|-------------------|-------------|------------|-----------|
| TITIOTE CONTR | LEFT | | THROUGH | M | IN ON GR | EEN M | AX ON RED |
| WESTBOUND | 0 | | 0 | | 0 | | 0 |
| EASTBOUND | 0 | | 0 | | 208 | | 0 |
| NORTHBOUNI | - | | 69 | | 0 | | 0 |
| SOUTHBOUNI | , , | | 1430 | | 0 | | 0 |
| | | ** | NUMBER | OF LANES | ; ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| NORTHBOUNI | 0 | 0 | 2 | O | 0 | 0 | 2 |
| SOUTHBOUND | 0 | 0 | 4 | 0 | 0 | 0 | 4 |
| | | ** ASS | IGNED LAN | E VOLUME | S ** | | |
| APPROACH | LEFT | LEFT | r THRO | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARI | ED ON | LY S | HARED | ONLY | SHARED |
| WESTBOUND | N/A | N/A | A N | /A | N/A | N/A | N/A |
| EASTBOUND | N/A | N/2 | A N | /A | N/A | 104 | N/A |
| NORTHBOUND | - • | N/A | A | 34 | N/A | N/A | N/A |
| SOUTHBOUND | N/A | N/A | A 3 | 58 | N/A | N/A | N/A |
| | | | | | | | |
| | EAST-WEST CRI | | | • • • • • • • • • | | 104 358 | |
| | THE SUM OF CF | RITICAL V | OLUMES . | • • • • • • • | • • • • • • | 462 | |
| | NUMBER OF CRI | TICAL CI | EARANCE | INTERVAL | s | 2 | |
| | CMA VALUE | • • • • • • • • | • • • • • • • • • | • • • • • • • • | (| 385 | |
| | LEVEL OF SERV | ICE | • • • • • • • | • • • • • • • • | • • • • • | A | |

Capacity assumed = 1200.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 21 4/24/03 5:34:06 PM

INTERSECTION: 6, NB 101 FWY OFF-RAMP & N. SPRING STREET

DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: FUTURE (2005) WITH PROJECT

** INPUT VOLUMES **

| APPROACH | | | | * 1 | . т | RIGHT TURN: | s ** |
|---------------|---------------|-----------|-----------|-----------------|----------------|-------------|-----------|
| 111 111011011 | LEFT | | THROUGH | М | IN ON GE | | AX ON RED |
| WESTBOUND | 0 | | 0 | | 0 | | 0 |
| EASTBOUND | 0 | | 0 | | 228 | | 0 |
| NORTHBOUNI | 0 | | 69 | | 0 | | 0 |
| SOUTHBOUNI | 0 | | 1437 | | 0 | | 0 |
| | | | | | | | |
| | | ** | NUMBER | OF LANES | 3 ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| NORTHBOUNI | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| SOUTHBOUND | 0 | 0 | 4 | 0 | 0 | 0 | 4 |
| | | ** ASSI | GNED LAN | E VOLUME | ls ** | | |
| APPROACH | LEFT | LEFT | THRO | псн | RIGHT | RIGHT | L/T/R |
| 11111011011 | ONLY | SHARE | | | HARED | ONLY | SHARED |
| WESTBOUND | N/A | N/A | | /A | N/A | N/A | N/A |
| EASTBOUND | N/A | N/A | | /A | N/A | 114 | N/A |
| NORTHBOUND | N/A | N/A | | 34 | N/A | N/A | N/A |
| SOUTHBOUND | N/A | N/A | . 3 | 59 | N/A | N/A | N/A |
| | | | | | | | |
| | | | | | | | |
| | EAST-WEST CR | ITICAL VO | LUMES | | | 114 | |
| | NORTH-SOUTH | CRITICAL | VOLUMES | | | 359 | |
| | | | | | | | |
| | THE SUM OF C | RITICAL V | OLUMES . | • • • • • • • • | | 473 | |
| | NUMBER OF CR | ITICAL CL | EARANCE : | INTERVAL | s | 2 | |
| | CMA VALUE | | | | | 0.394 | |
| | LEVEL OF SERV | /ICE | | | | А | |
| | | | | | | | |

Capacity assumed = 1200.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 35 4/24/03 5:34:06 PM

INTERSECTION:6, NB 101 FWY OFF-RAMP & N. SPRING STREET DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR CASE: FUTURE (2005) WITH PROJECT + CUMULATIVE PROJECTS

** INPUT VOLUMES **

| APPROACH | | | | * * | r | IGHT TURNS | |
|------------|---------------|-----------|-----------------|---|-------------|------------|-----------|
| | LEFT | | THROUGH | MI | N ON GR | EEN MA | AX ON RED |
| WESTBOUND | 0 | | 0 | | 0 | | 0 |
| EASTBOUND | 0 | | 0 | | 252 | | 0 |
| NORTHBOUNI | | | 69 | | 0 | | 0 |
| SOUTHBOUNI | 0 | | 1453 | | 0 | | 0 |
| | | ** | NUMBER | OF LANES | ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| NORTHBOUND | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| SOUTHBOUND | 0 | 0 | 4 | 0 | 0 | 0 | 4 |
| | | ** ASS | igned Lan | IE VOLUME | S ** | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHAR | ED ON | ILY S | HARED | ONLY | SHARED |
| WESTBOUND | N/A | N/A | A N | I/A | N/A | N/A | N/A |
| EASTBOUND | N/A | N/A | A N | I/A | N/A | 126 | N/A |
| NORTHBOUND | N/A | N/A | Ŧ | 34 | N/A | N/A | N/A |
| SOUTHBOUND | N/A | N/A | 4 3 | 863 | N/A | N/A | N/A |
| | | | | | | | |
| | EAST-WEST CRI | TICAL VO | LUMES | | | 126 | |
| | NORTH-SOUTH C | RITICAL | VOLUMES | • • • • • • • | • • • • • | 363 | • |
| | THE SUM OF CF | RITICAL V | OLUMES . | • | • • • • • • | 489 | |
| | NUMBER OF CRI | TICAL CI | EARANCE | INTERVAL | s | 2 | |
| | CMA VALUE | | | | | 0.407 | |
| | LEVEL OF SERV | ICE | • • • • • • • • | | | A | |

Capacity assumed = 1200.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 49 4/24/03 5:34:06 PM

INTERSECTION:7, SB 101 FWY ON-RAMP & LOS ANGELES STREET

DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: EXISTING (2003)

** INPUT VOLUMES **

| APPROACH | | | | ** | • | RIGHT TU | RNS ** |
|------------|------|--------|-----------|-----------|-------|----------|------------|
| | LEFT | | THROUGH | MI | N ON | GREEN | MAX ON RED |
| WESTBOUND | 0 | | 0 | | | 0 | 0 |
| EASTBOUND | 8 | | 310 | | 16 | 9 | 23 |
| NORTHBOUND | 0 | | 122 | | 14 | 5 | 0 |
| SOUTHBOUND | 11 | | 330 | | | 0 | 0 |
| | | ** | NUMBER | OF LANES | ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGH | T L/T/ | R TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONL | Y SHARE | D LANES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 1 | 2 | 1 | 0 | 0 | 4 |
| NORTHBOUND | 0 | 0 | 2 | 1 | 0 | 0 | 3 |
| SOUTHBOUND | 1 | 0 | 3 | 0 | 0 | 0 | 4 |
| | | ** ASS | igned lan | IE VOLUME | s ** | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R |
| • | ONLY | SHARI | ED ON | ILY S | HARED | ONLY | SHARED |
| WESTBOUND | N/A | N/A | A N | I/A | N/A | N/A | N/A |
| EASTBOUND | N/A | 106 | 5 1 | .06 | N/A | 169 | N/A |
| NORTHBOUND | N/A | N/A | ł. | 61 | N/A | 145 | N/A |
| SOUTHBOUND | 11 | N/A | 1 | .10 | N/A | N/A | N/A |
| | | | | | | | |
| | | | | | | | |

| EAST-WEST CRITICAL VOLUMES | 169 |
|--|-------|
| NORTH-SOUTH CRITICAL VOLUMES | 156 |
| | |
| THE SUM OF CRITICAL VOLUMES | 325 |
| | |
| NUMBER OF CRITICAL CLEARANCE INTERVALS | 2 |
| | |
| CMA VALUE | 0.184 |
| | |
| LEVEL OF SERVICE | А |

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 8 4/24/03 5:34:06 PM

^{*} Includes CMA value decreased due to ATSAC Implementation.

INTERSECTION:7, SB 101 FWY ON-RAMP & LOS ANGELES STREET

DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: FUTURE (2005) WITHOUT PROJECT

** INPUT VOLUMES **

| APPROACH | | | | ** | | RIGHT TURN | s ** | |
|--|---------------|-----------|---------|---------------|-------------|------------|-----------|--|
| | LEFT | TH | ROUGH | MI | N ON G | reen m | AX ON RED | |
| WESTBOUND | 0 | | 0 | | 0 | | 0 | |
| EASTBOUND | 8 | | 316 | | 172 | | 24 | |
| NORTHBOUNI | | | 124 | | 148 | | 0 | |
| SOUTHBOUND | 11 | | 337 | | 0 | | 0 | |
| | | ** N | UMBER (| OF LANES | ** | | | |
| APPROACH | LEFT | LEFT TH | ROUGH | RIGHT | RIGHT | L/T/R | TOTAL | |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES | |
| WESTBOUND | 0 | . 0 | 0 | 0 | 0 | 0 | 0 | |
| EASTBOUND | 0 | 1 | 2 | 1 | 0 | 0 | 4 | |
| NORTHBOUND | 0 | 0 | 2 | 1 | 0 | 0 | 3 | |
| SOUTHBOUND | 1 | 0 | 3 | 0 | 0 | 0 | 4 | |
| ** ASSIGNED LANE VOLUMES ** | | | | | | | | |
| APPROACH | LEFT | LEFT | THROU | JGH | RIGHT | RIGHT | L/T/R | |
| | ONLY | SHARED | ONI | LY S | HARED | ONLY | SHARED | |
| WESTBOUND | N/A | N/A | N/ | 'A | N/A | N/A | N/A | |
| EASTBOUND | N/A | 108 | 10 | 8 | N/A | 172 | N/A | |
| NORTHBOUND | | N/A | | 52 | N/A | 148 | N/A | |
| SOUTHBOUND | 11 | N/A | 11 | .2 | N/A | N/A | N/A | |
| EAST-WEST CRITICAL VOLUMES | | | | | | | | |
| | | | | | | | | |
| | THE SUM OF CR | TICAL VOL | UMES | • • • • • • • | • • • • • | 331 | | |
| NUMBER OF CRITICAL CLEARANCE INTERVALS 2 | | | | | | | | |
| | CMA VALUE | | | | | 0.188 | | |
| | LEVEL OF SERV | [CE | | • • • • • • | • • • • • • | A | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 22 4/24/03 5:34:06 PM

INTERSECTION:7, SB 101 FWY ON-RAMP & LOS ANGELES STREET

DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR

CASE: FUTURE (2005) WITH PROJECT

** INPUT VOLUMES **

| APPROACH | LEFT | | THROUGH | * * MT | . F IN ON G | RIGHT TURN: | s ** AX ON RED | | |
|------------|-----------------------------|----------|---|-----------------|----------------|-------------|-------------------|--|--|
| WESTBOUND | 0 | | 0 | 141 | .N ON Gr 0 | CEEN IN | O RED | | |
| EASTBOUND | 9 | | 319 | | 172 | | 24 | | |
| NORTHBOUND | | | 124 | | 148 | | 0 | | |
| SOUTHBOUND | = | | 337 | | 0 | | Ö | | |
| | . | | | | | | · · | | |
| | | ** | NUMBER | OF LANES | ** | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL | | |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES | | |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| EASTBOUND | 0 | 1 | 2 | 1 | 0 | 0 | 4 | | |
| NORTHBOUND | | 0 | 2 | 1 | 0 | 0 | 3 | | |
| SOUTHBOUND | 1 | 0 | 3 | 0 | 0 | 0 | 4 | | |
| | ** ASSIGNED LANE VOLUMES ** | | | | | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R | | |
| | ONLY | SHARE | ed on | LY S | HARED | ONLY | SHARED | | |
| WESTBOUND | N/A | N/A | A N | /A | N/A | N/A | N/A | | |
| EASTBOUND | N/A | 109 |) 1 | 09 | N/A | 172 | N/A | | |
| NORTHBOUND | N/A | N/A | A | 62 | N/A | 148 | N/A | | |
| SOUTHBOUND | 11 | N/A | 1 | 12 | N/A | N/A | N/A | | |
| | | | | | | | | | |
| | EAST-WEST CRI | TICAL VO | LUMES | | | 172 | | | |
| | NORTH-SOUTH C | RITICAL | VOLUMES | • • • • • • • | • • • • • | 159 | | | |
| | THE SUM OF CR | ITICAL V | OLUMES . | • • • • • • • | • • • • • • | 331 | | | |
| | NUMBER OF CRI | TICAL CI | EARANCE | INTERVAL | s | 2 | | | |
| | CMA VALUE | | • | | • • • • • | 0.188 | | | |
| | LEVEL OF SERV | ICE | • • • • • • • • | • • • • • • • • | • • • • • • | A | | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 36 4/24/03 5:34:06 PM

INTERSECTION: 7, SB 101 FWY ON-RAMP & LOS ANGELES STREET DATE: 4/24/03 INITIALS: LC PERIOD: AM PEAK HOUR CASE: FUTURE (2005) WITH PROJECT + CUMULATIVE PROJECTS

** INPUT VOLUMES **

| APPROACH | | | | ** | | RIGHT | TURNS | ** |
|-----------------------------|---------------|-------------------|-----------------|-----------------|-----------|---------|-------|--------|
| | LEFT | | THROUGH | МТ | NO N | GREEN | | ON RED |
| WESTBOUND | 0 | | 0 | | | 0 | | 0 |
| EASTBOUND | 9 | | 356 | | 19 | 6 | | 0 |
| NORTHBOUNI | 0 | | 309 | | 34 | | | Ö |
| SOUTHBOUNI | 11 | | 352 | | | 0 | | 0 |
| | | | | | | | | - |
| | | ** | NUMBER | OF LANES | ** | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGH | T L/ | T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONL | Y SHA | ARED | LANES |
| WESTBOUND | 0 | . 0 | 0 | 0 | 0 | C |) | 0 |
| EASTBOUND | 0 | 1 | 2 | 1 | 0 | C |) | 4 |
| NORTHBOUND | | 0 | 2 | 1 | 0 | C |) | 3 |
| SOUTHBOUND | 1 | 0 | 3 | 0 | 0 | C |) | 4 |
| ** ASSIGNED LANE VOLUMES ** | | | | | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIG | HT | L/T/R |
| | ONLY | SHARE | D ON | LY S | HARED | ON | ILY | SHARED |
| WESTBOUND | N/A | N/A | . N | /A | N/A | N | I/A | N/A |
| EASTBOUND | N/A | 122 | 1 | 22 | N/A | 1 | .96 | N/A |
| NORTHBOUND | | N/A | | 54 | N/A | 3 | 43 | N/A |
| SOUTHBOUND | 11 | N/A | . 1 | 17 | N/A | N | /A | N/A |
| | | | | | | | | |
| | EAST-WEST CR | TICAL VO | LUMES | | | . 196 | • | |
| | NORTH-SOUTH (| | | | | | | |
| | | | | | | | | |
| | THE SUM OF CH | RITICAL V | OLUMES . | • • • • • • • • | • • • • • | . 550 | | |
| | NUMBER OF CRI | TICAL CL | EARANCE : | INTERVAL | s | . 2 | | |
| | CMA VALUE | • • • • • • • • • | • • • • • • • • | | • • • • • | . 0.312 | | |
| | LEVEL OF SERV | TCE | • • • • • • • | | | . А | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 50 4/24/03 5:34:08 PM

INTERSECTION: 1, TEMPLE STREET & N. BROADWAY

DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: EXISTING (2003)

** INPUT VOLUMES **

| APPROACH | | | | * | * | RIGHT | TURNS | ** |
|------------|--------------|-----------|------------|---------|--------|-------|-------|--------|
| | LEFT | | THROUGH | M | IN ON | GREEN | MAX | ON RED |
| WESTBOUND | 28 | | 640 | | 6 | 4 | | 0 |
| EASTBOUND | 101 | | 584 | | 3 | 8 | | 0 |
| NORTHBOUND | 119 | | 1315 | | 6 | 5 | | 0 |
| SOUTHBOUND | 33 | | 287 | | 10 | - | | Ö |
| DOGINDOGND | • | | | | | • | | Ŭ |
| | | ** | NUMBER | OF LANE | s ** | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGH | T L/ | T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONL | Y SHA | RED | LANES |
| WESTBOUND | 1 | 0 | 1 | 1 | 0 | 0 |) | 3 |
| EASTBOUND | 1 | 0 | 1 | 1 | 0 | 0 |) | 3 |
| NORTHBOUND | 1 | 0 | 1 | 1 | 0 | 0 |) | 3 |
| SOUTHBOUND | 1 | 0 | 2 | 1 | 0 | 0 |) | 4 |
| | • | ** ASS] | GNED LAN | E VOLUM | ES ** | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIG | HT | L/T/R |
| | ONLY | SHARE | ED ON | LY : | SHARED | ON | LY | SHARED |
| WESTBOUND | 28 | N/A | <u>.</u> 3 | 52 | 352 | N | I/A | N/A |
| EASTBOUND | 101 | N/A | . 3 | 11 | 311 | N | /A | N/A |
| NORTHBOUND | 119 | N/A | . 6 | 90 | 690 | N | /A | N/A |
| SOUTHBOUND | 33 | N/A | 1 | 32 | 132 | N | i/A | N/A |
| | | | | | | | | |
| | | | | | | | | |
| | EAST-WEST CR | ITICAL VO | LUMES | | | . 453 | | |
| | NORTH-SOUTH | | | | | . 723 | | |

| NORTH-SOUTH CRITICAL VOLUMES | |
|--|-------|
| THE SUM OF CRITICAL VOLUMES | 1176 |
| NUMBER OF CRITICAL CLEARANCE INTERVALS | 2 |
| CMA VALUE | 0.714 |
| LEVEL OF SERVICE | С |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 9 4/24/03 5:34:06 PM

INTERSECTION: 1, TEMPLE STREET & N. BROADWAY

DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: FUTURE (2005) WITHOUT PROJECT

** INPUT VOLUMES **

| APPROACH | LEFT | | MIDOUCU | ** | | RIGHT TURN | | | |
|------------|-----------------------------|---------------------|-----------------|-----------------|-----------|------------|-----------|--|--|
| WESTBOUND | 29 | | THROUGH 653 | МЛ | IN ON G | | AX ON RED | | |
| EASTBOUND | 103 | | 596 | | 65 39 | | 0 | | |
| NORTHBOUNI | | | | | | | 0 | | |
| SOUTHBOUNI | | | 1341 | | 66 | | 0 | | |
| SOUTHBOOM | 34 | | 293 | | 110 | | 0 | | |
| | | ** | NUMBER | OF LANES | ; ** | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL | | |
| | ONLY | SHARED | ONLY | SHARED | ONLY | , _, _, | LANES | | |
| WESTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | 3 | | |
| EASTBOUND | 1 | 0 | ī | 1 | Ö | Ö | 3 | | |
| NORTHBOUND | | 0 | 1 | 1 | 0 | 0 | 3 | | |
| SOUTHBOUND | | Ō | 2 | 1 | 0 | Ô | 4 | | |
| | | | | | - | - | _ | | |
| | ** ASSIGNED LANE VOLUMES ** | | | | | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R | | |
| | ONLY | SHARE | ED ON | LY S | HARED | ONLY | SHARED | | |
| WESTBOUND | 29 | N/F | . 3 | 59 | 359 | N/A | N/A | | |
| EASTBOUND | 103 | N/A | . 3 | 18 | 318 | N/A | N/A | | |
| NORTHBOUND | 121 | N/A | . 7 | 04 | 704 | N/A | N/A | | |
| SOUTHBOUND | 34 | N/A | 1 | 34 | 134 | N/A | N/A | | |
| | | | | | | | | | |
| | EAST-WEST CR | ርጥፕሮ <u>ል</u> ፒ አየር | TIMES | | | 462 | | | |
| | NORTH-SOUTH | | | | | 738 | | | |
| | | | | | | | | | |
| | THE SUM OF C | RITICAL V | OLUMES . | • • • • • • • • | • • • • • | 1200 | | | |
| | NUMBER OF CR | TICAL CL | EARANCE : | INTERVAL: | s | 2 | | | |
| | CMA VALUE | | • • • • • • • • | | • • • • • | 0.730 | | | |
| | LEVEL OF SERV | TCE | • • • • • • • • | | | С | | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 23 4/24/03 5:34:06 PM

INTERSECTION: 1, TEMPLE STREET & N. BROADWAY

DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: FUTURE (2005) WITH PROJECT

** INPUT VOLUMES **

| APPROACH | | | | 4 | + * | RIGHT | TURNS | ** |
|------------|--------------|-----------|----------|----------|----------------|--------|-------|--------|
| | LEFT | | THROUGH | N | AIN ON | GREEN | MAX | ON RED |
| WESTBOUND | 53 | | 677 | | 6 | 6 | | 0 |
| EASTBOUND | 108 | | 596 | | 3 | 9 | | 0 |
| NORTHBOUND | 121 | | 1346 | | 6 | 6 | | 0 |
| SOUTHBOUND | 34 | | 293 | | 11 | 0 | | 0 |
| | | ** | NUMBER | OF LANE | ES ** | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGH | T L/' | T/R 1 | COTAL |
| | ONLY | SHARED | ONLY | SHARED | ONL | Y SHA | RED I | ANES |
| WESTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | | 3 |
| EASTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | | 3 |
| NORTHBOUND | | 0 | 1 | 1 | 0 | 0 | | 3 |
| SOUTHBOUND | 1 | 0 | 2 | 1 | 0 | 0 | | 4 |
| | | ** ASSI | GNED LAN | IE VOLUM | ES ** | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIG | HT | L/T/R |
| | ONLY | SHARE | D ON | ILY | SHARED | ON | LY | SHARED |
| WESTBOUND | 53 | N/A | . з | 72 | 372 | N, | /A | N/A |
| EASTBOUND | 108 | N/A | . 3 | 18 | 318 | N, | /A | N/A |
| NORTHBOUND | 121 | N/A | . 7 | 06 | 706 | N, | /A | N/A |
| SOUTHBOUND | 34 | N/A | . 1 | .34 | 134 | N, | /A | N/A |
| | | | | | | | | |
| | EAST-WEST CR | FTTCAL VO | LUMES | | | . 480 | | |
| | NORTH-SOUTH | | | ••••• | • • • • • • | . 740 | | |
| | THE SUM OF C | RITICAL V | OLUMES . | | | . 1220 | | |

NUMBER OF CRITICAL CLEARANCE INTERVALS

CMA VALUE 0.743

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 37 4/24/03 5:34:06 PM

^{*} Includes CMA value decreased due to ATSAC Implementation.

INTERSECTION:1, TEMPLE STREET & N. BROADWAY
DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR CASE: FUTURE (2005) WITH PROJECT + CUMULATIVE PROJECTS

** INPUT VOLUMES **

| APPROACH | | | | ** | | RIGHT TU | RNS ** | |
|-----------------------------|---------------|-----------|---------------|-----------------|-------------|----------|------------|--|
| | LEFT | | THROUGH | IM | N ON G | GREEN | MAX ON RED | |
| WESTBOUND | 53 | | 781 | | 113 | 3 | 0 | |
| EASTBOUND | 108 | | 698 | | 54 | | 0 | |
| NORTHBOUNI | 170 | | 1789 | | 66 | 5 | 0 | |
| SOUTHBOUNI | 34 | | 355 | | 110 |) | 0 | |
| | | ** | NUMBER | OF LANES | ; ** | | | |
| | | | | | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | | | |
| | ONLY | SHARED | ONLY | SHARED | ONLY | | | |
| WESTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | 3 | |
| EASTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | 3 | |
| NORTHBOUND | | 0 | 1 | 1 | 0 | 0 | 3 | |
| SOUTHBOUND | 1 | 0 | 2 | 1 | 0 | 0 | 4 | |
| ** ASSIGNED LANE VOLUMES ** | | | | | | | | |
| APPROACH | LEFT | LEFT | THRC | UGH | RIGHT | RIGHT | L/T/R | |
| | ONLY | SHARE | ED ON | ILY S | HARED | ONLY | SHARED | |
| WESTBOUND | 53 | N/A | 4 | 47 | 447 | N/A | N/A | |
| EASTBOUND | 108 | N/A | . З | 76 | 376 | N/A | N/A | |
| NORTHBOUND | 170 | N/F | . 9 | 28 | 928 | N/A | N/A | |
| SOUTHBOUND | 34 | N/A | 1 | .55 | 155 | N/A | N/A | |
| | | | | | | | | |
| | EAST-WEST CRI | TTCAL VO | TIMES | | | 555 | | |
| | NORTH-SOUTH C | | | | | 962 | | |
| | THE SUM OF CF | RITICAL V | OLUMES . | | | 1517 | | |
| | NUMBER OF CRI | TICAL CL | EARANCE | INTERVAL | s | 2 | | |
| | CMA VALUE | | • • • • • • • | • • • • • • • • | • • • • • • | 0.941 | | |
| | LEVEL OF SERV | ICE | • • • • • • • | • • • • • • • • | • • • • • | E | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 51 4/24/03 5:34:08 PM

INTERSECTION: 2, ALISO STREET/SB 101 FWY OFF-RAMP & N. BROADWAY

DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: EXISTING (2003)

** INPUT VOLUMES **

| APPROACH | | | | ** | + | RIGHT TU | RNS ** |
|------------|----------|----------|-----------|-----------|-------|----------|------------|
| | LEFT | | THROUGH | M | IN ON | GREEN | MAX ON RED |
| WESTBOUND | 0 | | 0 | | | 0 | 0 |
| EASTBOUND | 79 | | 198 | | | 0 | 42 |
| NORTHBOUND | 0 | | 1195 | | 21 | 9 | 0 |
| SOUTHBOUND | 96 | | 372 | | | 0 | 0 |
| | | ** | NUMBER | OF LANES | ; ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGH | T L/T/ | R TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONL | Y SHARE | D LANES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 1 | 1 | 0 | 1 | 0 | 3 |
| NORTHBOUND | 0 | 0 | 2 | 0 | 1 | 0 | 3 |
| SOUTHBOUND | 1 | 0 | 2 | 0 | 0 | 0 | 3 |
| | | ** ASS | IGNED LAN | IE VOLUME | rs ** | | |
| APPROACH | LEFT | LEFT | r THRO | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHAR | ED ON | ILY S | HARED | ONLY | SHARED |
| WESTBOUND | N/A | N/A | N A | I/A | N/A | N/A | N/A |
| EASTBOUND | N/A | 138 | 3 1 | .38 | N/A | 0 | N/A |
| NORTHBOUND | A/N | N/A | A 5 | 98 | N/A | 219 | N/A |
| SOUTHBOUND | 96 | N/A | A 1 | .86 | N/A | N/A | N/A |
| | | | | | | | |
| | | | | | | | |
| EAST- | WEST CRI | TICAL VO | DLUMES | | | . 138 | |

| EAST-WEST CRITICAL VOLUMES | |
|--|-------|
| NORTH-SOUTH CRITICAL VOLUMES | 694 |
| | |
| THE SUM OF CRITICAL VOLUMES | 832 |
| | |
| NUMBER OF CRITICAL CLEARANCE INTERVALS | 2 |
| | |
| CMA VALUE | 0.485 |
| | |
| LEVEL OF SERVICE | A |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 10 4/24/03 5:34:06 PM

INTERSECTION: 2, ALISO STREET/SB 101 FWY OFF-RAMP & N. BROADWAY

DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: FUTURE (2005) WITHOUT PROJECT

** INPUT VOLUMES **

| APPROACH | | | | ** | | RIGHT TURN | s ** | |
|-----------------------------|--|---------------|-----------------|-----------------|---------------|------------|-----------|--|
| | LEFT | | THROUGH | MI | N ON G | reen m | AX ON RED | |
| WESTBOUND | 0 | | 0 | | 0 | | 0 | |
| EASTBOUND | 81 | | 202 | | 0 | | 43 | |
| NORTHBOUND | | | 1219 | | 223 | | 0 | |
| SOUTHBOUND | 98 | | 379 | | 0 | | 0 | |
| | | ** | NUMBER | OF LANES | ** | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL | |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES | |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| EASTBOUND | 0 | 1 | 1 | 0 | 1 | 0 | 3 | |
| NORTHBOUND | 0 | 0 | 2 | 0 | 1 | 0 | 3 | |
| SOUTHBOUND | 1 | 0 | 2 | 0 | 0 | 0 | 3 | |
| ** Assigned Lane Volumes ** | | | | | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R | |
| | ONLY | SHARI | ed on | LY S | HARED | ONLY | SHARED | |
| WESTBOUND | N/A | N/A | A N | /A | N/A | N/A | N/A | |
| EASTBOUND | N/A | 142 | _ | 42 | N/A | 0 | N/A | |
| NORTHBOUND | N/A | N/A | 4 6 | 10 | N/A | 223 | N/A | |
| SOUTHBOUND | 98 | N/A | 1 | 90 | N/A | N/A | N/A | |
| | | | | | | | | |
| | EAST-WEST CRI | TICAL VO | LUMES | | | 142 | | |
| | NORTH-SOUTH C | RITICAL | VOLUMES | • • • • • • • | | 708 | | |
| | THE SUM OF CR | ITICAL V | OLUMES . | • • • • • • • | | 850 | | |
| | NUMBER OF CRITICAL CLEARANCE INTERVALS 2 | | | | | | | |
| | CMA VALUE | • • • • • • • | | • • • • • • • • | | 0.497 | | |
| | LEVEL OF SERV | ICE | • • • • • • • • | • • • • • • • • | | A | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 24 4/24/03 5:34:06 PM

INTERSECTION: 2, ALISO STREET/SB 101 FWY OFF-RAMP & N. BROADWAY

DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: FUTURE (2005) WITH PROJECT

** INPUT VOLUMES **

| APPROACH | LEFT | n | THROUGH | * * MT | R N ON GR | IGHT TURNS | ** AX ON RED |
|---|---------------|-----------|-------------|-----------|--------------|------------|-----------------|
| MEGEROUND | 0 | | 0 | 1.11 | .N ON GR | | 0 |
| WESTBOUND EASTBOUND | 81 | | 207 | | 0 | | 43 |
| | | | 1255 | | 247 | | 0 |
| NORTHBOUND | - | | 379 | | 247 | • | Ô |
| SOUTHBOOND | 101 | | 313 | | v | | Ü |
| | | ** | NUMBER | OF LANES | ; ** | | |
| APPROACH | LEFT | LEFT T | HROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| 711 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 1 | 1 | 0 | 1 | 0 | 3 |
| NORTHBOUND | 0 | 0 | 2 | 0 | 1 | 0 | 3 |
| SOUTHBOUND | | 0 | 2 | 0 | 0 | 0 | 3 |
| 5001115001.1 | | | | | | | |
| | | ** ASSIG | ENED LAN | E VOLUME | :s ** | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARED | ON ON | LY S | HARED | ONLY | SHARED |
| WESTBOUND | N/A | N/A | N | /A | N/A | N/A | N/A |
| EASTBOUND | N/A | 144 | 1 | 44 | N/A | 0 | N/A |
| NORTHBOUND | N/A | N/A | 6 | 28 | N/A | 247 | N/A |
| SOUTHBOUND | 101 | N/A | 1 | 90 | N/A | N/A | N/A |
| | | | | | | | |
| | EAST-WEST CRI | | | | | 144 729 | |
| | THE SUM OF CR | ITICAL VO | LUMES . | | | 873 | |
| | NUMBER OF CRI | TICAL CLE | ARANCE | INTERVAL | ıs | 2 | |
| | CMA VALUE | | | | | 0.512 | |
| | LEVEL OF SERV | ICE | • • • • • • | | • • • • • | Α | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 38 4/24/03 5:34:06 PM

INTERSECTION:2, ALISO STREET/SB 101 FWY OFF-RAMP & N. BROADWAY

DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR CASE: FUTURE (2005) WITH PROJECT + CUMULATIVE PROJECTS

** INPUT VOLUMES **

| APPROACH | 7 13178 | | munoucu | ** | N ON G | RIGHT TURN | IS ** NAX ON RED |
|------------|---------------|-----------|--------------|----------|---------|------------|---------------------|
| WESTBOUND | LEFT O | | THROUGH 0 | MI | .n on G | REEN M | O AAI |
| EASTBOUND | 81 | | 287 | | 0 | | 53 |
| NORTHBOUND | | | 1745 | | 247 | | 0 |
| SOUTHBOUND | • | | 432 | | 24, | | 0 |
| DOUTHDOOM | 101 | | 102 | | Ū | | Ū |
| | | ** | NUMBER | OF LANES | ; ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | | LANES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 1 | 1 | 0 | 1 | 0 | 3 |
| NORTHBOUND | | 0 | 2 | 0 | 1 | 0 | 3 |
| SOUTHBOUND | 1 | 0 | 2 | 0 | 0 | 0 | 3 |
| | | ** ASS | igned Lan | E VOLUME | S ** | | |
| APPROACH | LEFT | LEFT | r THRO | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARI | ED ON | LY S | HARED | ONLY | SHARED |
| WESTBOUND | N/A | N/A | A N | /A | N/A | N/A | N/A |
| EASTBOUND | N/A | 184 | 1 1 | 84 | N/A | 0 | N/A |
| NORTHBOUND | · | N/2 | | 72 | N/A | 247 | N/A |
| SOUTHBOUND | 101 | N/7 | A 2 | 16 | N/A | N/A | A\N |
| | | | | | | | |
| | EAST-WEST CR | | | | | 184 973 | |
| | THE SUM OF C | RITICAL V | OLUMES . | | | 1157 | |
| | NUMBER OF CR | ITICAL CI | LEARANCE | INTERVAL | s | 2 | |
| | CMA VALUE | | | | | 0.701 | |
| | LEVEL OF SERV | /ICE | | | | С | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 52 4/24/03 5:34:08 PM

INTERSECTION: 3, NB 101 FWY ON-RAMP & N. BROADWAY
DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: EXISTING (2003)

** INPUT VOLUMES **

| APPROACH | | | | ** | * | RIGHT TURN | s ** |
|-------------|---------------|-----------|-----------------|-----------------|-----------|------------|-----------|
| THE ENOTION | LEFT | | THROUGH | М | IN ON G | | AX ON RED |
| WESTBOUND | 0 | | 0 | | 0 | | 0 |
| EASTBOUND | 0 | | 0 | | 0 | | 0 |
| NORTHBOUNI | 0 | | 1017 | | 245 | | 0 |
| SOUTHBOUNI | 87 | | 413 | | 0 | | 0 |
| | | | | | | | |
| | | ** | NUMBER | OF LANES | 5 ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NORTHBOUNI | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| SOUTHBOUND | 1 | 0 | 2 | 0 | 0 | 0 | 3 |
| | | ** ASSI | GNED LAN | E VOLUME | ES ** | | |
| APPROACH | LEFT | LEFI | THRO | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARE | ED ON | LY S | HARED | ONLY | SHARED |
| WESTBOUND | N/A | N/A | | /A | N/A | N/A | N/A |
| EASTBOUND | N/A | N/A | | /A | N/A | N/A | N/A |
| NORTHBOUND | • | N/A | | 31 | 631 | N/A | N/A |
| SOUTHBOUND | 87 | N/A | . 2 | 06 | A/N | N/A | A\N |
| | EAST-WEST CR | | | • • • • • • • | | 0 | |
| | NORTH-SOUTH | CRITICAL | VOLUMES | • • • • • • • • | • • • • • | 718 | |
| | THE SUM OF C | RITICAL V | OLUMES . | | | 718 | |
| | NUMBER OF CR | TICAL CL | EARANCE | INTERVAL | s | 2 | |
| | CMA VALUE | ••••• | • • • • • • • • | | • • • • • | 0.598 | |
| | LEVEL OF SERV | /ICE | | | | A | |

Capacity assumed = 1200.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 11 4/24/03 5:34:06 PM

INTERSECTION: 3, NB 101 FWY ON-RAMP & N. BROADWAY DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: FUTURE (2005) WITHOUT PROJECT

** INPUT VOLUMES **

| APPROACH | LEFT | | THROUGH | * * MT | F N ON GF | RIGHT TURNS | ** |
|------------|--------------------------------|----------|-----------|---------------|--------------|-------------|--------|
| WESTBOUND | 0 | | 0 | 111 | 0 | | 0 |
| EASTBOUND | 0 | | 0 | | 0 | | Ö |
| NORTHBOUND | | | 1037 | | 250 | | Ö |
| SOUTHBOUND | | | 421 | | 0 | | 0 |
| SOUTHDOOMS | | | | | | | v |
| | | ** | NUMBER | OF LANES | ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NORTHBOUND | | 0 | 1 | 1 | 0 | 0 | 2 |
| SOUTHBOUND | 1 | 0 | 2 | 0 | 0 | 0 | 3 |
| | | ** ASS | IGNED LAN | NE VOLUME | S ** | | |
| APPROACH | LEFT | LEF: | r THRO | OUGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARI | ED OE | NLY S | HARED | ONLY | SHARED |
| WESTBOUND | N/A | N/2 | I F | I/A | N/A | N/A | N/A |
| EASTBOUND | N/A | N/A | A F | 1/A | N/A | A\N | N/A |
| NORTHBOUND | N/A | N/2 | P e | 544 | 644 | N/A | N/A |
| SOUTHBOUND | 89 | N/A | A 2 | 210 | N/A | N/A | N/A |
| | | | | | | | |
| | EAST-WEST CRI NORTH-SOUTH C | | | | | 0 733 | |
| | THE SUM OF CR | ITICAL V | OLUMES . | • • • • • • • | • • • • • | 733 | |
| | NUMBER OF CRI | TICAL CI | LEARANCE | INTERVAL | s | 2 | |
| | CMA VALUE | | | | | 0.611 | |
| | LEVEL OF SERV | ICE | | | | В | |

Capacity assumed = 1200.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 25 4/24/03 5:34:06 PM

INTERSECTION: 3, NB 101 FWY ON-RAMP & N. BROADWAY DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: FUTURE (2005) WITH PROJECT

** INPUT VOLUMES **

| APPROACH | LEFT | | THROUGH | * * | . F | RIGHT TURN | s ** AX ON RED |
|------------|---------------|----------|----------|---|--------------|-------------|-------------------|
| WESTBOUND | 0 | | 0 | 11. | 0 | WD11 12 | 0 |
| EASTBOUND | 0 | | Ö | | 0 | | Ö |
| NORTHBOUND | | | 1049 | | 274 | | Ö |
| SOUTHBOUND | | | 424 | | 0 | | 0 |
| | | | | | | | |
| | | ** | NUMBER | OF LANES | 5 * * | | |
| APPROACH | LEFT | LEFT | THROUGH | | RIGHT | L/T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NORTHBOUND | | 0 | 1 | 1 | 0 | 0 | 2 |
| SOUTHBOUND | 1 | 0 | 2 | 0 | 0 | 0 | 3 |
| | | ** ASS | GNED LAN | IE VOLUME | ES ** | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARE | ED ON | ILY S | HARED | ONLY | SHARED |
| WESTBOUND | N/A | N/A | N N | I/A | N/A | N/A | N/A |
| EASTBOUND | N/A | N/A | A N | i/A | N/A | N/A | N/A |
| NORTHBOUND | N/A | N/A | . 6 | 62 | 662 | N/A | N/A |
| SOUTHBOUND | 89 | N/A | . 2 | 12 | N/A | N/A | N/A |
| | | | | | | | |
| | EAST-WEST CRI | TICAL VO | LUMES | | • • • • • • | 0 | |
| | NORTH-SOUTH C | RITICAL | VOLUMES | • • • • • • • | • • • • • | 751 | |
| | THE SUM OF CR | ITICAL V | OLUMES . | • • • • • • • | • • • • • • | 75 1 | |
| | NUMBER OF CRI | rical ci | EARANCE | INTERVAL | .s | 2 | |
| | CMA VALUE | | | • • • • • • • | ••••• | 0.626 | |
| | LEVEL OF SERV | ICE | | • | ••••• | В | |

Capacity assumed = 1200.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 39 4/24/03 5:34:06 PM

INTERSECTION: 3, NB 101 FWY ON-RAMP & N. BROADWAY
DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR
CASE: FUTURE (2005) WITH PROJECT + CUMULATIVE PROJECTS

** INPUT VOLUMES **

| APPROACH | | | | ** | | RIGHT TURN | c ** |
|------------|--|-----------|-----------------|----------|-----------|------------|-----------|
| ALLINOACII | LEFT | | THROUGH | MT | N ON G | | AX ON RED |
| WESTBOUND | 0 | | 0 | | 0 | | 0 |
| EASTBOUND | 0 | | 0 | | 0 | | 0 |
| NORTHBOUND | 0 | | 1417 | | 396 | | 0 |
| SOUTHBOUND | 89 | | 477 | | 0 | | 0 |
| | | | | | | | |
| | | ** | NUMBER | OF LANES | ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NORTHBOUND | | 0 | 1 | 1 | 0 | 0 | 2 |
| SOUTHBOUND | 1 | 0 | 2 | 0 | 0 | 0 | 3 |
| | | ** ASSI | GNED LAN | E VOLUME | s ** | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARE | | | HARED | ONLY | SHARED |
| WESTBOUND | N/A | N/A | | /A | N/A | N/A | N/A |
| EASTBOUND | N/A | N/A | | /A | N/A | N/A | N/A |
| NORTHBOUND | · · | N/P | | 06 | 906 | N/A | N/A |
| SOUTHBOUND | 89 | N/A | . 2 | 38 | N/A | N/A | N/A |
| | | | | | | | |
| | EAST-WEST CR | ITICAL VO | LUMES | | | 0 | |
| | NORTH-SOUTH | CRITICAL | VOLUMES | | • • • • • | 995 | |
| | THE SUM OF C | RITICAL V | OLUMES . | | • • • • • | 995 | |
| | NUMBER OF CRITICAL CLEARANCE INTERVALS 2 | | | | | | |
| | CMA VALUE | | • • • • • • • • | | | 0.829 | |
| | LEVEL OF SERV | /ICE | | | | D | |

Capacity assumed = 1200.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 53 4/24/03 5:34:08 PM

INTERSECTION: 4, TEMPLE STREET & N. SPRING STREET DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: EXISTING (2003)

** INPUT VOLUMES **

| APPROACH | LEFT | | THROUGH | * * M1 | * F | RIGHT TURN: | s ** AX ON RED | | |
|------------|-----------------------|-------------|-----------|---------------|-------------|-------------|-------------------|--|--|
| WESTBOUND | 60 | | 719 | 11. | IN ON Gr | CEEN IN | O RED | | |
| EASTBOUND | 0 | | 666 | | 72 | | 0 | | |
| NORTHBOUND | | | 134 | | 15 | | 0 | | |
| SOUTHBOUND | · | | 427 | | 42 | | 0 | | |
| SOUTHBOOKE | 20 | | 421 | | 72 | | U | | |
| | ** NUMBER OF LANES ** | | | | | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL | | |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES | | |
| WESTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | 3 | | |
| EASTBOUND | 0 | 1 | 0 | 1 | 0 | 0 | 2 | | |
| NORTHBOUND | | 0 | 1 | 1 | 0 | 0 | 2 | | |
| SOUTHBOUND | 1 | 0 | 3 | 1 | 0 | 0 | 5 | | |
| | | ** ASS] | igned Lan | E VOLUME | ES ** | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R | | |
| | ONLY | SHARE | ED ON | LY S | HARED | ONLY | SHARED | | |
| WESTBOUND | 60 | N/A | A 3 | 60 | 360 | N/A | N/A | | |
| EASTBOUND | N/A | 369 |) N | /A | 369 | N/A | N/A | | |
| NORTHBOUND | N/A | N/ <i>I</i> | A | 74 | 74 | N/A | N/A | | |
| SOUTHBOUND | 26 | N/A | 1 | 17 | 117 | N/A | N/A | | |
| | | | | | | | | | |
| | EAST-WEST CRI | TICAL VO | DLUMES | | | 429 | | | |
| | NORTH-SOUTH C | RITICAL | VOLUMES | | | 117 | | | |
| | | | | | | ~ | | | |
| | THE SUM OF CR | ITICAL V | OLUMES . | • • • • • • • | • • • • • • | 546 | | | |
| | NUMBER OF CRI | TICAL CI | EARANCE | INTERVAI | .s | 2 | | | |
| | CMA VALUE | | | | | 0.309 | | | |
| | LEVEL OF SERV | ICE | | | | A | | | |
| | | | | | | | | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 12 4/24/03 5:34:06 PM

INTERSECTION: 4, TEMPLE STREET & N. SPRING STREET DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: FUTURE (2005) WITHOUT PROJECT

** INPUT VOLUMES **

| APPROACH | LEFT | | THROUGH | ** MT | R N ON GR | IGHT TURN: | s ** AX ON RED | | | |
|-----------------------|---------------|-----------------|-------------------|-----------------|-----------------|------------|-------------------|--|--|--|
| WESTBOUND | 61 | | 733 | 112 | 1 | | 0 | | | |
| EASTBOUND | 0 | | 679 | | 73 | è | Ö | | | |
| NORTHBOUND | 0 | | 137 | | 15 | | 0 | | | |
| SOUTHBOUND | 27 | | 436 | | 43 | | 0 | | | |
| | | | | | | | | | | |
| ** NUMBER OF LANES ** | | | | | | | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL | | | |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES | | | |
| WESTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | 3 | | | |
| EASTBOUND | 0 | 1 | 0 | 1 | 0 | 0 | 2 | | | |
| NORTHBOUND | | 0 | 1 | 1 | 0 | 0 | 2 | | | |
| SOUTHBOUND | 1 | 0 | 3 | 1 | 0 | 0 | 5 | | | |
| | | ** ASSI | GNED LAN | E VOLUME | s ** | | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R | | | |
| | ONLY | SHARE | D ON | LY S | HARED | ONLY | SHARED | | | |
| WESTBOUND | 61 | N/A | . 3 | 67 | 367 | N/A | N/A | | | |
| EASTBOUND | N/A | 376 | N | /A | 376 | N/A | N/A | | | |
| NORTHBOUND | N/A | N/A | | 76 | 76 | N/A | N/A | | | |
| SOUTHBOUND | 27 | N/A | . 1 | 20 | 120 | N/A | N/A | | | |
| | | | | | | | | | | |
| | EAST-WEST CRI | | | | | 437 | | | | |
| | NORTH-SOUTH (| RITICAL | VOLUMES | • • • • • • • | · · · · · · · - | 120 | | | | |
| | THE SUM OF CE | RITICAL V | OLUMES . | • • • • • • • • | • • • • • • | 557 | | | | |
| | NUMBER OF CRI | TICAL CL | EARANCE : | INTERVAL | s | 2 | | | | |
| | CMA VALUE | • • • • • • • • | • • • • • • • • • | • • • • • • • | | .316 | | | | |
| | LEVEL OF SERV | TCE | | • • • • • • • | • • • • • | Α | | | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 26 4/24/03 5:34:06 PM

INTERSECTION:4, TEMPLE STREET & N. SPRING STREET
DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: FUTURE (2005) WITH PROJECT

** INPUT VOLUMES **

| APPROACH | T 13.770 | | munousu | ** | * I | RIGHT TURN | |
|---------------|---------------|----------|------------|---------------|----------|------------|-----------|
| | LEFT | | THROUGH | M | IN ON GI | KEEN M | AX ON RED |
| WESTBOUND | 61 | | 736 670 | | 73 | | 0 |
| EASTBOUND | 0 | | 679 | | | | 0 0 |
| NORTHBOUND | | | 137 | | 15 85 | | 0 |
| SOUTHBOUND | 39 | | 436 | | 65 | | U |
| | | ** | NUMBER | OF LANES | 5 ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| 111 111011011 | ONLY | SHARED | ONLY | SHARED | ONLY | | LANES |
| WESTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | 3 |
| EASTBOUND | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| NORTHBOUND | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| SOUTHBOUND | | Ö | 3 | 1 | Ō | Ō | 5 |
| | | | | | | | |
| | | ** ASSI | GNED LAN | E VOLUME | ES ** | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARE | ED ON | ILY S | HARED | ONLY | SHARED |
| WESTBOUND | 61 | N/A | . 3 | 68 | 368 | N/A | N/A |
| EASTBOUND | N/A | 376 | 5 N | /A | 376 | N/A | N/A |
| NORTHBOUND | N/A | N/A | 7 | 76 | 76 | N/A | N/A |
| SOUTHBOUND | 39 | N/A | 1 | .30 | 130 | N/A | N/A |
| | | | | | | | |
| | EAST-WEST CRI | PICAL VO | TUMES | | | 437 | |
| | NORTH-SOUTH C | | | | | 130 | |
| | THE SUM OF CR | ITICAL V | OLUMES . | | | 567 | |
| | NUMBER OF CRI | rical cl | EARANCE | INTERVAL | .s | 2 | |
| | CMA VALUE | | | | | 0.321 | |
| | LEVEL OF SERV | CE | | • • • • • • • | | A | |
| | | | | | | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 40 4/24/03 5:34:06 PM

INTERSECTION:4, TEMPLE STREET & N. SPRING STREET
DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR
CASE: FUTURE (2005) WITH PROJECT + CUMULATIVE PROJECTS

** INPUT VOLUMES **

| APPROACH | | | | * * | | RIGHT T | | ** |
|------------|---------------|-----------|------------|---|-----------|---------|---------|-------|
| | LEFT | | THROUGH | MI | NO M | | MAX ON | |
| WESTBOUND | 61 | | 910 | | | 1 | | 0 |
| EASTBOUND | 0 | | 742 | | 8 | 8 | | 0 |
| NORTHBOUND | 0 | | 137 | | 1 | 5 | | 0 |
| SOUTHBOUND | 39 | | 492 | | 8 | 5 | | 0 |
| | | ** | NUMBER | OF LANES | ; ** | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGH' | T L/T | '/R TOT | 'AL |
| | ONLY | SHARED | ONLY | SHARED | ONL | Y SHAR | RED LAN | IES |
| WESTBOUND | 1 | 0 | 1 | 1 | 0 | 0 | 3 | |
| EASTBOUND | 0 | 1 | 0 | 1 | 0 | 0 | 2 | |
| NORTHBOUND | 0 | 0 | 1 | 1 | 0 | 0 | 2 | |
| SOUTHBOUND | | 0 | 3 | 1 | 0 | 0 | 5 | |
| | | | | | | | | |
| | | ** ASS | IGNED LAN | IE VOLUME | IS ** | | | |
| APPROACH | LEFT | LEF | r THRO | OUGH | RIGHT | RIGH | T I | L/T/R |
| | ONLY | SHARI | ED O | ILY S | HARED | ONL | Y SE | IARED |
| WESTBOUND | 61 | N/2 | A 4 | 156 | 456 | N/ | A | N/A |
| EASTBOUND | N/A | 415 | 5 N | 1/A | 415 | N/ | A | N/A |
| NORTHBOUND | N/A | N/A | Ą | 76 | 76 | N/ | A | N/A |
| SOUTHBOUND | 39 | N/A | A 1 | L44 | 144 | N/ | A | N/A |
| | | | | | | | | |
| | nram weam an | TMTC31 17 | OT IMPC | | | . 476 | | |
| | EAST-WEST CR | | | · • • • • • • • • • • • • • • • • • • • | | | | |
| | NORIH-SOUTH | CKILICAL | VOLUMES | | • • • • • | . 144 | | |
| | THE SUM OF C | RITICAL V | OLUMES . | | • • • • • | . 620 | | |
| | NUMBER OF CR | ITICAL CI | LEARANCE | INTERVAL | | . 2 | | |
| | CMA VALUE | | . | | | . 0.351 | | |
| | LEVEL OF SERV | /ICE | | • • • • • • • | • • • • • | . A | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 54 4/24/03 5:34:08 PM

INTERSECTION: 5, ALISO STREET & N. SPRING STREET

DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: EXISTING (2003)

** INPUT VOLUMES **

| APPROACH | LEFT | | THROUGH | * : M: | * I | RIGHT TURN | S ** AX ON RED |
|------------|---------------|---------------|-------------------|---------------|--------|------------|-------------------|
| WESTBOUND | 0 | | 0 | | 0 | | 0 |
| EASTBOUND | 2 | | 549 | | 13 | | 0 |
| NORTHBOUND | 0 | | 71 | | 75 | | 0 |
| SOUTHBOUND | 171 | | 491 | | 0 | | 0 |
| | | ** | NUMBER | OF LANES | 5 ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| ALLIOAGII | ONLY | SHARED | ONLY | SHARED | ONLY | | LANES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 1 | 1 | 1 | 0 | 0 | 3 |
| NORTHBOUND | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| SOUTHBOUND | 1 | 0 | 4 | 0 | 0 | 0 | 5 |
| | | ** ASS | IGNED LAN | E VOLUMI | ∑S ** | | |
| APPROACH | LEFT | LEFT | r THRC | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARI | ed on | LY S | SHARED | ONLY | SHARED |
| WESTBOUND | N/A | N/A | | /A | N/A | N/A | N/A |
| EASTBOUND | N/A | 188 | | 88 | 188 | N/A | N/A |
| NORTHBOUND | | N/A | | 71 | N/A | 75 | N/A |
| SOUTHBOUND | 171 | N/A | 1 | 23 | N/A | N/A | N/A |
| | EAST-WEST CRI | | | | | 188 | |
| | NORTH-SOUTH C | RITICAL | VOLUMES | • • • • • • • | ••••• | 246 | |
| | THE SUM OF CR | TICAL V | OLUMES . | | | 434 | |
| | NUMBER OF CRI | rical ci | EARANCE | INTERVAI | Ls | 2 | |
| | CMA VALUE | · • • • • • • | | | | 0.246 | |
| | LEVEL OF SERV | CE | • • • • • • • • • | • • • • • • • | | A | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 13 4/24/03 5:34:06 PM

INTERSECTION:5, ALISO STREET & N. SPRING STREET

DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: FUTURE (2005) WITHOUT PROJECT

** INPUT VOLUMES **

| APPROACH | 7 5 5 5 | | munougu | ** | Γ. | IGHT TURN | |
|------------|---------------|-------------------|---|-----------------|---------------|------------|-----------|
| WESTBOUND | LEFT 0 | | THROUGH 0 | WI | N ON GRI 0 | ien m | AX ON RED |
| EASTBOUND | 2 | | 560 | | 13 | | 0 0 |
| NORTHBOUNI | | | 72 | | 77 | | 0 |
| SOUTHBOUNI | • | | 501 | | , , | | 0 |
| SOUTHBOOM | 1/4 | | 301 | | U | | U |
| | | ** | NUMBER | OF LANES | ** | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| EASTBOUND | 0 | 1 | 1 | 1 | 0 | 0 | 3 |
| NORTHBOUND | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| SOUTHBOUND | 1 | 0 | 4 | 0 | 0 | 0 | 5 |
| | | ** ASSI | GNED LAN | E VOLUME | S ** | | |
| APPROACH | LEFT | LEFT | THRC | UGH | RIGHT | RIGHT | L/T/R |
| | ONLY | SHARE | | LY S | HARED | ONLY | SHARED |
| WESTBOUND | N/A | N/A | | /A | N/A | N/A | N/A |
| EASTBOUND | N/A | 192 | _ | 92 | 192 | N/A | N/A |
| NORTHBOUND | • | N/A | | 72 | N/A | 77 | N/A |
| SOUTHBOUND | 174 | N/A | 1 | 25 | N/A | N/A | N/A |
| | | | | | | | |
| | EAST-WEST CR | | | | | 192 251 | |
| | THE SUM OF C | RITICAL V | OLUMES . | | • • • • • | 443 | |
| | NUMBER OF CR | TICAL CL | EARANCE | INTERVAL | s | 2 | |
| ` | CMA VALUE | • • • • • • • • • | • | • • • • • • • • | 0 | .251 | |
| | LEVEL OF SERV | /ICE | | | | A | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 27 4/24/03 5:34:06 PM

INTERSECTION: 5, ALISO STREET & N. SPRING STREET

DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: FUTURE (2005) WITH PROJECT

** INPUT VOLUMES **

| APPROACH | | | | ** | | RIGHT TURN | | | |
|-----------------------------|--|-----------|-----------------|-------------|---------------|------------|----------------|--|--|
| WESTBOUND | LEFT O | | THROUGH 0 | MJ | IN ON GI 0 | REEN M | AX ON RED 0 | | |
| EASTBOUND | 2 | | 584 | | 21 | | 0 | | |
| NORTHBOUNI | | | 72 | | 77 | | 0 | | |
| SOUTHBOUNI | • | | 506 | | ,, | | 0 | | |
| DOUTHBOOM | , | | 500 | | | | Ŭ | | |
| | | ** | NUMBER | OF LANES | 3 ** | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL | | |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES | | |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| EASTBOUND | 0 | 1 | 1 | 1 | 0 | 0 | 3 | | |
| NORTHBOUND | | 0 | 1 | 1 | 0 | 0 | 2 | | |
| SOUTHBOUND | 1 | 0 | 4 | 0 | 0 | 0 | 5 | | |
| ** ASSIGNED LANE VOLUMES ** | | | | | | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R | | |
| | ONLY | SHARE | D ON | LY S | HARED | ONLY | SHARED | | |
| WESTBOUND | N/A | N/A | N. | /A | N/A | N/A | N/A | | |
| EASTBOUND | N/A | 202 | | 02 | 202 | N/A | N/A | | |
| NORTHBOUND | N/A | N/A | ` | 72 | N/A | 77 | N/A | | |
| SOUTHBOUND | 174 | N/A | . 1: | 26 | N/A | N/A | N/A | | |
| | | | | | | | | | |
| | EAST-WEST CR | | | | | 202 | | | |
| | NORTH-SOUTH | CRITICAL | VOLUMES | | • • • • • | 251 | | | |
| | THE SUM OF C | RITICAL V | OLUMES . | | ••••• | 453 | | | |
| | NUMBER OF CRITICAL CLEARANCE INTERVALS 2 | | | | | | | | |
| | CMA VALUE | | | | • • • • • | 0.257 | | | |
| | LEVEL OF SER | /ICE | • • • • • • • • | • • • • • • | • • • • • • | A | | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 41 4/24/03 5:34:06 PM

INTERSECTION:5, ALISO STREET & N. SPRING STREET
DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR
CASE: FUTURE (2005) WITH PROJECT + CUMULATIVE PROJECTS

** INPUT VOLUMES **

| APPROACH | LEFT | | THROUGH | ** | in on g | RIGHT TUR | NS ** MAX ON RED | | | |
|-----------------------------|---------------|----------|-----------|-----------------|-------------|-----------|---------------------|--|--|--|
| WESTBOUND | 0 | | 0 | 141 | LIN ON G | | MAX ON RED | | | |
| EASTBOUND | 2 | | 625 | | 60 | | 0 | | | |
| NORTHBOUNI | | | 72 | | 77 | | 0 | | | |
| SOUTHBOUNI | , | | 523 | | , , | | Ő | | | |
| DOUTHBOOM | | | 020 | | v | | v | | | |
| ** NUMBER OF LANES ** | | | | | | | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL | | | |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES | | | |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| EASTBOUND | 0 | 1 | 1 | 1 | 0 | 0 | 3 | | | |
| NORTHBOUNI | 0 | 0 | 1 | 1 | 0 | 0 | 2 | | | |
| SOUTHBOUND | 1 | 0 | 4 | 0 | 0 | 0 | 5 | | | |
| ** ASSIGNED LANE VOLUMES ** | | | | | | | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R | | | |
| | ONLY | SHARE | D ON | LY S | HARED | ONLY | SHARED | | | |
| WESTBOUND | N/A | N/A | N A | /A | N/A | N/A | N/A | | | |
| EASTBOUND | N/A | 229 | _ | 29 | 229 | N/A | N/A | | | |
| NORTHBOUND | | N/A | = | 72 | N/A | 77 | A/N | | | |
| SOUTHBOUND | 174 | N/A | 1 | 31 | N/A | N/A | N/A | | | |
| EAST-WEST CRITICAL VOLUMES | | | | | | | | | | |
| | | | | | | | | | | |
| | THE SUM OF CR | ITICAL V | OLUMES . | • • • • • • • • | • • • • • • | 480 | | | | |
| | NUMBER OF CRI | TICAL CL | EARANCE : | INTERVAL | s | 2 | | | | |
| | CMA VALUE | | | | | 0.272 | | | | |
| | LEVEL OF SERV | ICE | | | ••••• | А | | | | |

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 55 4/24/03 5:34:08 PM

^{*} Includes CMA value decreased due to ATSAC Implementation.

INTERSECTION:6, NB 101 FWY OFF-RAMP & N. SPRING STREET

DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: EXISTING (2003)

** INPUT VOLUMES **

| APPROACH | | | | * | * | RIGHT T | URNS | ** | |
|-----------------------------|----------------|-----------|-----------------|---------------|-----------|---------|----------|----|--|
| | LEFT | | THROUGH | M | IN ON | GREEN | MAX ON R | ED | |
| WESTBOUND | 0 | | 0 | | | 0 | 0 | | |
| EASTBOUND | 0 | | 0 | | 10 | 4 | 0 | | |
| NORTHBOUNI | 0 | | 67 | | 0 0 | | | | |
| SOUTHBOUND | 0 | | 533 | | | 0 | 0 | | |
| | | • | | | | | | | |
| ** NUMBER OF LANES ** | | | | | | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGH | T L/T | /R TOTAL | | |
| | ONLY | SHARED | ONLY | SHARED | ONL | Y SHAR | ED LANES | | |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| EASTBOUND | 0 | 0 | 0 | 0 | 2 | 0 | 2 | | |
| NORTHBOUND | 0 | 0 | 2 | 0 | 0 | 0 | 2 | | |
| SOUTHBOUND | 0 | 0 | 4 | 0 | 0 | 0 | 4 | | |
| ** ASSIGNED LANE VOLUMES ** | | | | | | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGH! | T L/T | /R | |
| | ONLY | SHARE | D ON | LY S | HARED | ONL | Y SHARI | ED | |
| WESTBOUND | N/A | N/A | . N | /A | N/A | N/2 | A N/ | Α | |
| EASTBOUND | N/A | N/A | . N | /A | N/A | 52 | 2 	 N/2 | A | |
| NORTHBOUND | N/A | N/A | | 34 | N/A | N/2 | A. N/2 | A | |
| SOUTHBOUND | N/A | N/A | . 1 | 33 | N/A | N/A | A N/2 | A | |
| | | | | | | | | | |
| | EAST-WEST CRIT | | | | | . 52 | | | |
| | NORTH-SOUTH C | RITICAL | VOLUMES | • • • • • • • | • • • • • | . 133 | | | |
| | THE SUM OF CRI | TICAL V | OLUMES . | | | . 185 | | | |
| | NUMBER OF CRIT | rical cli | EARANCE I | INTERVAL | s | . 2 | | | |
| | CMA VALUE | | • • • • • • • • | | • • • • • | 0.154 | | | |
| | LEVEL OF SERVI | CE | • • • • • • • • | • • • • • • • | • • • • • | . А | | | |

Capacity assumed = 1200.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 14 4/24/03 5:34:06 PM

INTERSECTION:6, NB 101 FWY OFF-RAMP & N. SPRING STREET

DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: FUTURE (2005) WITHOUT PROJECT

** INPUT VOLUMES **

| APPROACH | LEFT | | THROUGH | ** MI | | RIGHT TUR | | | |
|-----------------------------|---------------|-----------|---|---|-------------|-----------|-----------------|--|--|
| WESTBOUND | | | Inkougn 0 | MI | NONG | | MAX ON RED 0 | | |
| EASTBOUND | 0 | | 0 | | 106 | | 0 | | |
| NORTHBOUNI | - | | 68 | | 100 | | 0 | | |
| SOUTHBOUNI | • | | 544 | | 0 | | 0 | | |
| SCOTIBOOM | , | | 244 | | V | | O | | |
| | | ** | NUMBER | OF LANES | ** | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL | | |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES | | |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| EASTBOUND | 0 | 0 | 0 | 0 | 2 | 0 | 2 | | |
| NORTHBOUND | | 0 | 2 | 0 | 0 | 0 | 2 | | |
| SOUTHBOUND | 0 | 0 | 4 | 0 | 0 | 0 | 4 | | |
| ** ASSIGNED LANE VOLUMES ** | | | | | | | | | |
| APPROACH | LEFT | LEF. | r THRO | UGH | RIGHT | RIGHT | L/T/R | | |
| | ONLY | SHARI | ED ON | ILY S | HARED | ONLY | SHARED | | |
| WESTBOUND | N/A | N/A | A N | I/A | N/A | N/A | N/A | | |
| EASTBOUND | N/A | N/A | A N | I/A | N/A | 53 | N/A | | |
| NORTHBOUND | N/A | N/A | A | 34 | N/A | N/A | N/A | | |
| SOUTHBOUND | N/A | N/2 | 4 1 | .36 | N/A | N/A | N/A | | |
| | | | | | | | | | |
| | EAST-WEST CR | | | • • • • • • • | • • • • • | 53 | | | |
| | NORTH-SOUTH | CRITICAL | VOLUMES | • • • • • • • • | • • • • • | 136 | | | |
| | THE SUM OF C | RITICAL V | OLUMES . | • • • • • • • • | • • • • • • | 189 | | | |
| | NUMBER OF CR | ITICAL CI | EARANCE | INTERVAL | s | 2 | | | |
| | CMA VALUE | | • • • • • • • | • • • • • • • • | • • • • • | 0.157 | | | |
| | LEVEL OF SERV | /ICE | • | • | | А | | | |

Capacity assumed = 1200.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 28 4/24/03 5:34:06 PM

INTERSECTION:6, NB 101 FWY OFF-RAMP & N. SPRING STREET

DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: FUTURE (2005) WITH PROJECT

** INPUT VOLUMES **

| APPROACH | LEFT | | THROUGH | ** MT | H N ON GI | RIGHT TURN | S ** AX ON RED | | |
|-----------------------------|---------------|-----------|---|---------------|--------------|------------|-------------------|--|--|
| WESTBOUND | 0 | | 0 | 111. | 0 | (131)14 12 | 0 | | |
| EASTBOUND | 0 | | ů 0 | | 110 | | 0 | | |
| NORTHBOUND | | | 68 | | 0 | | 0 | | |
| SOUTHBOUND | | | 545 | | 0 | | 0 | | |
| 500111500112 | | | | | | | | | |
| | | ** | NUMBER | OF LANES | ** | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL | | |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES | | |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| EASTBOUND | . 0 | 0 | 0 | 0 | 2 | 0 | 2 | | |
| NORTHBOUND | | Ö | 2 | 0 | 0 | 0 | 2 | | |
| SOUTHBOUND | 0 | 0 | 4 | 0 | 0 | 0 | 4 | | |
| ** ASSIGNED LANE VOLUMES ** | | | | | | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R | | |
| | ONLY | SHARE | ed on | LY S | HARED | ONLY | SHARED | | |
| WESTBOUND | N/A | N/A | A N | /A | A/N | N/A | N/A | | |
| EASTBOUND | N/A | N/A | A N | /A | N/A | 55 | N/A | | |
| NORTHBOUND | N/A | N/A | A | 34 | N/A | N/A | N/A | | |
| SOUTHBOUND | N/A | N/A | 1 | 36 | N/A | N/A | N/A | | |
| | EAST-WEST CRI | mTC31 1/0 | NI IMEC | | | 55 | | | |
| | NORTH-SOUTH C | | = | | | 136 | | | |
| | THE SUM OF CR | ITICAL V | OLUMES . | | • • • • • | 191 | | | |
| | NUMBER OF CRI | TICAL CI | EARANCE | INTERVAL | s | 2 | | | |
| | CMA VALUE | | • | | • • • • • • | 0.159 | | | |
| | LEVEL OF SERV | ICE | • • • • • • • • | • • • • • • • | | A | | | |

Capacity assumed = 1200.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 42 4/24/03 5:34:06 PM

INTERSECTION:6, NB 101 FWY OFF-RAMP & N. SPRING STREET DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR CASE: FUTURE (2005) WITH PROJECT + CUMULATIVE PROJECTS

** INPUT VOLUMES **

| APPROACH | LEFT | | minoricii | ** | r IN ON GR | IGHT TURN: | | | |
|-----------------------------|---------------|-----------------|-------------------|---------------|---------------|------------|----------------|--|--|
| MECHDOIMD | 1.EFT | | THROUGH 0 | MI | .N ON GR | EEN M | AX ON RED 0 | | |
| WESTBOUND EASTBOUND | 0 | | 0 | | 135 | | 0 | | |
| NORTHBOUNI | | | 68 | | 133 | | 0 | | |
| SOUTHBOUNI | - | | 562 | | 0 | | 0 | | |
| SOUTHBOOM | , u | | 302 | | U | | U | | |
| | | ** | NUMBER | OF LANES | ; ** | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL | | |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES | | |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| EASTBOUND | 0 | 0 | 0 | 0 | 2 | 0 | 2 | | |
| NORTHBOUND | | 0 | 2 | 0 | 0 | 0 | 2 | | |
| SOUTHBOUND | 0 | 0 | 4 | 0 | 0 | 0 | 4 | | |
| ** ASSIGNED LANE VOLUMES ** | | | | | | | | | |
| APPROACH | ĻEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R | | |
| | ONLY | SHARE | D ON | LY S | HARED | ONLY | SHARED | | |
| WESTBOUND | N/A | n/a | N | /A | N/A | N/A | N/A | | |
| EASTBOUND | N/A | N/A | . N | /A | N/A | 68 | N/A | | |
| NORTHBOUND | N/A | N/A | L | 34 | N/A | N/A | N/A | | |
| SOUTHBOUND | N/A | N/A | . 1 | 40 | N/A | N/A | N/A | | |
| | | | | | | | | | |
| | EAST-WEST CRI | | | | | 68 | | | |
| | NORTH-SOUTH C | RITICAL | VOLUMES | • • • • • • • | • • • • • • | 140 | | | |
| | THE SUM OF CR | ITICAL V | OLUMES . | • • • • • • • | • • • • • | 208 | | | |
| | NUMBER OF CRI | TICAL CL | EARANCE | INTERVAL | s | 2 | | | |
| | CMA VALUE | • • • • • • • • | • • • • • • • • • | | | 0.173 | | | |
| | LEVEL OF SERV | А | | | | | | | |

Capacity assumed = 1200.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 56 4/24/03 5:34:08 PM

INTERSECTION:7, SB 101 FWY ON-RAMP & LOS ANGELES STREET

DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: EXISTING (2003)

** INPUT VOLUMES **

| APPROACH | LEFT | | THROUGH | ** | * R IN ON GR | IGHT TURN | - | | |
|-----------------------------|---------------|-----------------|---------------|-----------------|-----------------|------------|----------------|--|--|
| WESTBOUND | 0 | | 1nkoogn 0 | PL | IN ON GR | EEN M | AX ON RED 0 | | |
| EASTBOUND | 28 | | 751 | | 68 | | 0 | | |
| NORTHBOUNI | - | | 604 | | 244 | | 0 | | |
| SOUTHBOUNI | | | 193 | | 2 3 3 | | 0 | | |
| 20011100011 | | | 250 | | · | | Ŭ | | |
| ** NUMBER OF LANES ** | | | | | | | | | |
| APPROACH | LEFT | | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL | | |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES | | |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| EASTBOUND | 0 | 1 | 2 | 1 | 0 | 0 | 4 | | |
| NORTHBOUNI | · | 0 | 2 | 1 | 0 | 0 | 3 | | |
| SOUTHBOUNI | 1 | 0 | 3 | 0 | 0 | 0 | 4 | | |
| ** ASSIGNED LANE VOLUMES ** | | | | | | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R | | |
| | ONLY | SHARE | D ON | LY S | HARED | ONLY | SHARED | | |
| WESTBOUND | N/A | N/A | N | /A | N/A | N/A | N/A | | |
| EASTBOUND | N/A | 212 | 2 | 12 | 212 | N/A | N/A | | |
| NORTHBOUND | N/A | N/A | 2 | 83 | 283 | N/A | N/A | | |
| SOUTHBOUND | 8 | N/A | | 64 | N/A | N/A | N/A | | |
| | | | | | | | | | |
| | EAST-WEST CRI | | | | | 212 291 | | | |
| | THE SUM OF CR | ITICAL V | OLUMES . | • • • • • • • | • • • • • | 503 | | | |
| | NUMBER OF CRI | TICAL CL | EARANCE : | INTERVAL | s | 2 | | | |
| | CMA VALUE | • • • • • • • • | • • • • • • • | • • • • • • • • | (| .285 | | | |
| | LEVEL OF SERV | • • • • • | А | | | | | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 15 4/24/03 5:34:06 PM

INTERSECTION:7, SB 101 FWY ON-RAMP & LOS ANGELES STREET DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: FUTURE (2005) WITHOUT PROJECT

** INPUT VOLUMES **

| APPROACH | | | | ** | • | RIGHT T | TURNS ** | | |
|-----------------------------|---------------|---------------|-----------------|---------------|-------------|---------|------------|--|--|
| | LEFT | | THROUGH | EM | N ON | GREEN | MAX ON RED | | |
| WESTBOUND | 0 | | 0 | | • | 0 | 0 | | |
| EASTBOUND | 29 | | 766 | | 65 | 9 | 0 | | |
| NORTHBOUNI | 0 | | 616 | | 249 | 9 | 0 | | |
| SOUTHBOUNI | 8 | | 197 | | (| 0 | 0 | | |
| | | ** | NUMBER | OF LANES | ; ** | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | r L/I | r/R TOTAL | | |
| | ONLY | SHARED | ONLY | SHARED | ONL | y shaf | RED LANES | | |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| EASTBOUND | 0 | 1 | 2 | 1 | 0 | 0 | 4 | | |
| NORTHBOUNI | 0 | 0 | 2 | 1 | 0 | 0 | 3 | | |
| SOUTHBOUNI | 1 | 0 | 3 | 0 | 0 | 0 | 4 | | |
| ** ASSIGNED LANE VOLUMES ** | | | | | | | | | |
| APPROACH | LEFT | LEFT | r THRC | UGH | RIGHT | RIGH | IT L/T/R | | |
| | ONLY | SHARI | ed on | LY S | HARED | ONI | LY SHARED | | |
| WESTBOUND | N/A | N/A | | /A | N/A | N/ | | | |
| EASTBOUND | N/A | 216 | | 16 | 216 | N/ | | | |
| NORTHBOUND | | N/A | | 88 | 288 | N/ | | | |
| SOUTHBOUND | 8 | N/A | A | 66 | N/A | N/ | 'A N/A | | |
| | EAST-WEST CRI | | | | | | | | |
| | | | | | | | | | |
| | THE SUM OF CR | ITICAL V | OLUMES . | • • • • • • • | • • • • • • | 512 | | | |
| | NUMBER OF CRI | TICAL CI | LEARANCE | INTERVAL | s | . 2 | | | |
| | CMA VALUE | • • • • • • • | | • • • • • • • | | 0.290 | | | |
| | LEVEL OF SERV | ICE | • • • • • • • • | | | A | | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 29 4/24/03 5:34:06 PM

INTERSECTION:7, SB 101 FWY ON-RAMP & LOS ANGELES STREET

DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR

CASE: FUTURE (2005) WITH PROJECT

** INPUT VOLUMES **

| APPROACH | T P. P. C. | | munoucu | ** | 1. | RIGHT TURN: | - | | |
|-----------------------------|---------------|-----------------|--------------|--------|---------------|-------------|----------------|--|--|
| WESTBOUND | LEFT O | | THROUGH 0 | MI | IN ON GR 0 | EEN M | AX ON RED 0 | | |
| EASTBOUND | 35 | | 784 | | 69 | | 0 | | |
| NORTHBOUNI | | | 704 616 | | 249 | | 0 | | |
| SOUTHBOUNI | | | 197 | | 249 | | 0 | | |
| SOUTHBOOM | , | | 191 | | U | | O | | |
| ** NUMBER OF LANES ** | | | | | | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGHT | L/T/R | TOTAL | | |
| | ONLY | SHARED | ONLY | SHARED | ONLY | SHARED | LANES | | |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| EASTBOUND | 0 | 1 | 2 | 1 | 0 | 0 | 4 | | |
| NORTHBOUNI | 0 | 0 | 2 | 1 | 0 | 0 | 3 | | |
| SOUTHBOUND | 1 | 0 | 3 | 0 | 0 | 0 | 4 | | |
| ** ASSIGNED LANE VOLUMES ** | | | | | | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIGHT | L/T/R | | |
| | ONLY | SHARE | D ON | LY S | HARED | ONLY | SHARED | | |
| WESTBOUND | N/A | N/A | N | /A | N/A | N/A | N/A | | |
| EASTBOUND | N/A | 222 | 2 | 22 | 222 | N/A | N/A | | |
| NORTHBOUND | N/A | N/A | . 2 | 88 | 288 | N/A | N/A | | |
| SOUTHBOUND | 8 | N/A | | 66 | N/A | N/A | N/A | | |
| | | | | | | | | | |
| | EAST-WEST CRI | | | | | 222 | | | |
| | NORTH-SOUTH C | RITICAL | VOLUMES | | • • • • • • | 296 | | | |
| | THE SUM OF CR | ITICAL V | OLUMES . | | | 518 | | | |
| | NUMBER OF CRI | s | 2 | | | | | | |
| | CMA VALUE | • • • • • • • • | | | | 0.294 | | | |
| | LEVEL OF SERV | ICE | | | • • • • • | A | | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 43 4/24/03 5:34:06 PM

INTERSECTION:7, SB 101 FWY ON-RAMP & LOS ANGELES STREET DATE: 4/24/03 INITIALS: LC PERIOD: PM PEAK HOUR CASE: FUTURE (2005) WITH PROJECT + CUMULATIVE PROJECTS

** INPUT VOLUMES **

| APPROACH | | | | * * | • | RIGHT | TURNS | ** | |
|-----------------------------|---------------|-----------|---------------|---|-----------|-------|-------|--------|--|
| | LEFT | | THROUGH | IM | N ON | | | ON RED | |
| WESTBOUND | . 0 | | 0 | | i | 0 | | 0 | |
| EASTBOUND | 35 | | 825 | | 6: | 9 | | 0 | |
| NORTHBOUND | 0 | | 894 | | 56 | 2 | | 0 | |
| SOUTHBOUNI | 8 | | 224 | | (| 0 | | 0 | |
| | | | | | | | | | |
| | | ** | NUMBER | OF LANES | ** | | | | |
| APPROACH | LEFT | LEFT | THROUGH | RIGHT | RIGH. | r L/ | T/R T | 'OTAL | |
| | ONLY | SHARED | ONLY | SHARED | ONL | Y SHA | RED L | ANES | |
| WESTBOUND | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | |
| EASTBOUND | 0 | 1 | 2 | 1 | 0 | 0 | | 4 | |
| NORTHBOUND | 0 | 0 | 2 | 1 | 0 | 0 | | 3 | |
| SOUTHBOUND | 1 | 0 | 3 | 0 | 0 | 0 | | 4 | |
| ** ASSIGNED LANE VOLUMES ** | | | | | | | | | |
| APPROACH | LEFT | LEFT | THRO | UGH | RIGHT | RIG | HT | L/T/R | |
| | ONLY | SHARE | ED ON | ILY S | HARED | ON | LY | SHARED | |
| WESTBOUND | N/A | N/A | A N | I/A | N/A | N | /A | N/A | |
| EASTBOUND | N/A | 232 | ? 2 | 32 | 232 | N | /A | N/A | |
| NORTHBOUND | N/A | N/A | . 4 | 47 | N/A | 5 | 62 | N/A | |
| SOUTHBOUND | 8 | N/A | . | 75 | N/A | N. | /A | N/A | |
| | EAST-WEST CR | | | | | 202 | | | |
| | NORTH-SOUTH | CRITICAL | VOLUMES | • • • • • • • | <i></i> . | 570 | | | |
| | THE SUM OF C | RITICAL V | OLUMES . | • • • • • • • • | • • • • • | 802 | | | |
| | NUMBER OF CR | ITICAL CL | EARANCE | INTERVAL | s | 2 | | | |
| | CMA VALUE | | | • | | 0.465 | | | |
| | LEVEL OF SERV | /ICE | • • • • • • • | • • • • • • • • • • • • • • • • • • • | | A | | | |

^{*} Includes CMA value decreased due to ATSAC Implementation.

Capacity assumed = 1500.

File: J:\Icap6\Hall of Justice\Total4-03Rev.xls, Worksheet: Formula Total, Row: 57 4/24/03 5:34:08 PM