

**Draft EIR  
Appendices**

**UCSC MARINE SCIENCE  
CAMPUS CLRDP**

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*Environmental Impact Report*

*SCH No. 2001112014*

*January 2004*

*Prepared for*

*University of California, Santa Cruz  
Environmental Assessment Group*



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Associates

# **CHAPTER 11**

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## **APPENDICES**

### **LIST OF APPENDICES**

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# **APPENDIX A**

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## NOTICE OF PREPARATION





PHYSICAL PLANNING AND CONSTRUCTION

SANTA CRUZ, CALIFORNIA 95064

November 1, 2001

Terry Roberts  
State Clearinghouse  
1400 Tenth Street  
Sacramento, CA 95814

CERTIFIED MAIL

**NOTICE OF PREPARATION—ENVIRONMENTAL  
IMPACT REPORT (EIR)**

**Project Title:** Long Marine Laboratory Coastal Long Range Development Plan  
**Project Location:** University of California  
**County:** Santa Cruz

**Project Description:** The proposed project is a Coastal Long Range Development Plan (Coastal LRDP) for the 98-acre Long Marine Laboratory (LML) site located on the west side of the City of Santa Cruz (See Figure 1). LML, as part of the University of California Santa Cruz, has embarked on a planning program to provide for the expansion and enhancement of its research and education capabilities. Through this process the University plans to bring together distinguished scientists, educators, and students at a major new Marine Science Campus. The Coastal LRDP includes project goals, a description of the project program and space requirements, planning principles, a land use plan and illustrative concept plan, and plans and policies to provide for the physical development of LML over the next 20 years. (An LRDP identifies the physical development needed to achieve the mission and goals of University of California institutions. A Coastal LRDP is provided for under the California Coastal Act of 1976 and addresses additionally issues arising from coastal proximity. A Coastal LRDP is similar to a Local Coastal Program prepared by a local agency, in that once it is approved by the Coastal Commission, the University will be responsible for coastal permitting of future projects under the Coastal LRDP.)

The development of the Coastal LRDP program was based on a variety of factors, including: known demands on existing research facilities; projected increase in the number of UCSC-based marine biology faculty and the amount of research conducted; the desire to promote joint research in marine biology and increase opportunities for undergraduate, graduate, and post-doctoral research by allowing for affiliated research entities at LML; and the desire to continue to expand LML's commitment to community education by providing facilities for such educational programs. The Coastal LRDP program would provide for 250,000 square feet of Marine Research and Teaching Facilities, 11,000 square feet of Support and Ancillary Facilities, 30,000 of Equipment Storage and Maintenance Facilities, and approximately 100,000 square feet of short-term and rental Housing.

The Marine Research and Teaching Facilities program would provide for the following facilities planned for near-term implementation: Ocean Health Phase II, National Marine Fisheries Service Phase II, and a new facility for the U.S. Geological Survey. This program would also provide for long-term research facilities for the following: future LML expansion, USGS expansion, and facilities for other marine research and education uses.

The Support and Ancillary Facilities program would provide for a seminar auditorium, which would support academic seminars and lectures, as well as community education activities. Meeting rooms may also be provided to allow for small conferences and symposia to be conducted. A dining hall would be provided to reduce the need for on-site researchers, staff and students to leave campus for meals and to allow food service to be provided for seminars and lectures.

The Equipment Storage and Maintenance program would provide for a shared warehouse and equipment yard for LML and affiliated uses, which would continue to allow on-site outfitting of vessels and storage of expensive and sensitive equipment.

The Housing program would provide accommodations for the following: caretakers, visiting scientists, graduate students conducting research at LML, new faculty and researchers in marine research, pre-college students attending Sea Camp, and K-12 teachers attending summer programs. The housing is intended to be integrally related with the coastal-dependent marine research and educational functions at LML. All of the housing would accommodate short-term uses, ranging from over-night stays for visiting scientists to transitional housing for new faculty and researchers. The types of accommodations planned include small for-lease 1-, 2-, and 3-bedroom townhouses or apartments (80 units), dorms (28 rooms with a total of approximately 140 beds), and visitor over-night accommodations (10 rooms).

The Coastal LRDP would allow for development in three distinct development zones located on the Lower Terrace, the Middle Terrace, and the Upper Terrace. The Lower Terrace would continue to serve as the focus of LML growth and expansion. The Middle Terrace, the largest of the three zones, would serve as the core of new development on the site. The Upper Terrace would be adaptable to a number of suitable uses within the LML campus and may provide an important flexible role for unanticipated and future program needs. The remainder of the property, not within the development zones, would be within resource protection zones established to protect the natural resources within those areas.

**Project Site:** The LML Coastal LRDP addresses 102 acres of land owned by UCSC. The property is located at the western edge of the City of Santa Cruz and consists of the Younger Lagoon Natural Reserve (25 acres), the existing LML complex (16 acres), and the mostly undeveloped upland site formerly known as Terrace Point (57 acres) (See Figure 2). The Younger Lagoon Natural Reserve (YLNR) is included in the University of California's Natural Reserve System and is managed as a habitat preserve for permanent protection. The YLNR is one of the few remaining natural coastal wetlands in Santa Cruz County. A great diversity of bird species is known or expected to occur there. Approximately 21 special-status bird species are known to forage in the YLNR as non-nesting species. A pair of saltmarsh common yellow throats, a CDFG Species of Special Concern, were observed showing nesting behavior in the reserve and may in fact be nesting in the YLNR. Tidewater gobies, a federal Endangered species and a CDFG Species of Special Concern, were found during 2000 surveys of the lagoon. Western red bats, a Western Bat Working Group "High Priority" species, are expected to roost in YLNR. Additionally, California red-legged frog (CRLF), a federal Threatened species, may occasionally move across the northern portion of the YLNR; however, the seasonal drainages that feed the YLNR are too ephemeral to support CRLF reproduction or non-reproductive rearing habitat. No other special-status wildlife species are expected to occur on this portion of the site. Additionally, no special-status plant species were identified in the YLNR during biotic surveys conducted during 2000 and 2001.

The original 16-acre development area for LML is located on the coastal terrace east of and immediately adjacent to the YLNR and west of McAllister Way. It is mostly separated from the reserve by a 10- to 12-foot high berm or fence. There is approximately 74,000 square feet of existing development in the original development area. The Ocean Health Building and the CDFG Marine Wildlife Center are the major facilities on this portion of the site. Remaining habitat on this portion of the site consists of primarily non-native grassland and ruderal vegetation. No special-status wildlife or plant species were observed on this portion of the site, nor would they be expected to occur here.

The eastern half of the site (previously known as the Terrace Point site) is mostly undeveloped except for the Seymour Marine Discovery Center located on the southern edge of the site and the National Marine Fisheries Service building located on a 2.5-acre federal inholding located in the center of the area. The undeveloped portion of the property consists primarily of non-native grassland habitat and coyote brush-scrub-grassland habitat. Seasonal wetlands also exist on this portion of the site. No special-status wildlife species were observed to be breeding or nesting on this portion of the site during these surveys. A pair of northern harriers, a CDFG Species of Special Concern, regularly forages over the site, and a white-tailed kite, a federally Protected species, was observed foraging. Additionally, California red-legged frog, a federal Threatened species, may occasionally move across the northern portion of the site; however, the seasonal wetlands on the site are too ephemeral to provide CRLF reproduction or non-reproductive rearing habitat. No other special-status wildlife species are expected to occur on this portion of the site. Additionally, no special-status plant species were identified during biotic surveys conducted during 2000 and 2001.


In compliance with State CEQA Guidelines and the University of California CEQA Handbook, this Notice of Preparation is hereby sent to inform you that the University of California, Santa Cruz is preparing a Draft Environmental Impact Report (EIR) on the above-named project. It is intended that the EIR would be a program EIR that would support the approval of the Coastal LRDP. The EIR would also provide project-specific coverage for approximately 3 to 6 near-term projects.

As Lead Agency we need to know the views of your agency as to the scope and content of the environmental information that is germane to your agency's statutory responsibilities in connection with the proposed project. The topics to be addressed in the EIR are: geology, soils and seismicity; hydrology and water quality; biological resources; visual quality; land use; population, employment, and housing; traffic, circulation, and parking; air quality; noise; public services; utilities; energy; and hazardous substances. Information on the anticipated scope of EIR analyses of these topics is attached to this NOP.

A Scoping Meeting will be held on **November 14, 2001** between 6:00 PM and 8:00 PM, at the Seymour Marine Discovery Center at the Long Marine Laboratory. Parking will be available at the Seymour Marine Discovery Center parking lot. Public agencies and members of the public are encouraged to provide early input into the EIR process by attending this meeting or by responding in writing to this Notice of Preparation. Due to the time limits imposed by State law, your response must be sent at the earliest possible date, but not later than 30 days after receipt of this notice. Please designate a contact person in your agency and send your response to the address below.

Ann Bertken  
Environmental Assessment Group  
515 Swift Street  
University of California  
Santa Cruz, CA 95060

Sincerely,



Ann Bertken  
Associate Planner

Enclosure

cc: A. James, Santa Cruz County Planning  
M. Bocchicchio, U.C. Assistant Vice President  
N. Papadakis, Association of Monterey Bay Area Governments  
K. Thomas, Santa Cruz City Planning and Community Development  
A. Waltner, U.C. General Counsel  
J. Holst, U.C. General Counsel  
J. Maguire, U.C. Plan Review Coordinator  
UCSC CEQA Distribution List

FIGURE 1: PROJECT LOCATION

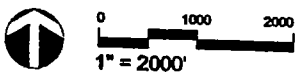
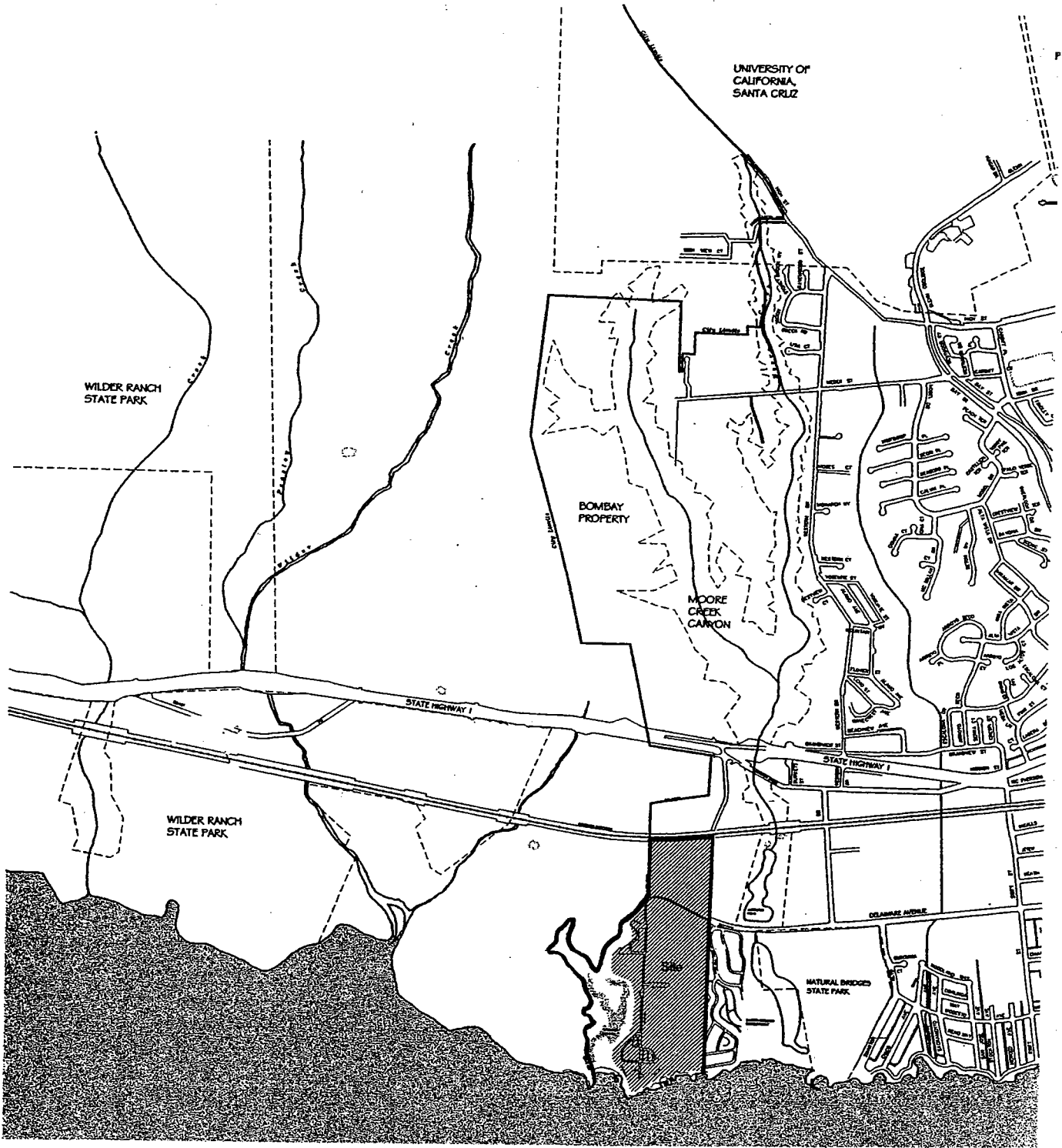
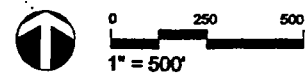
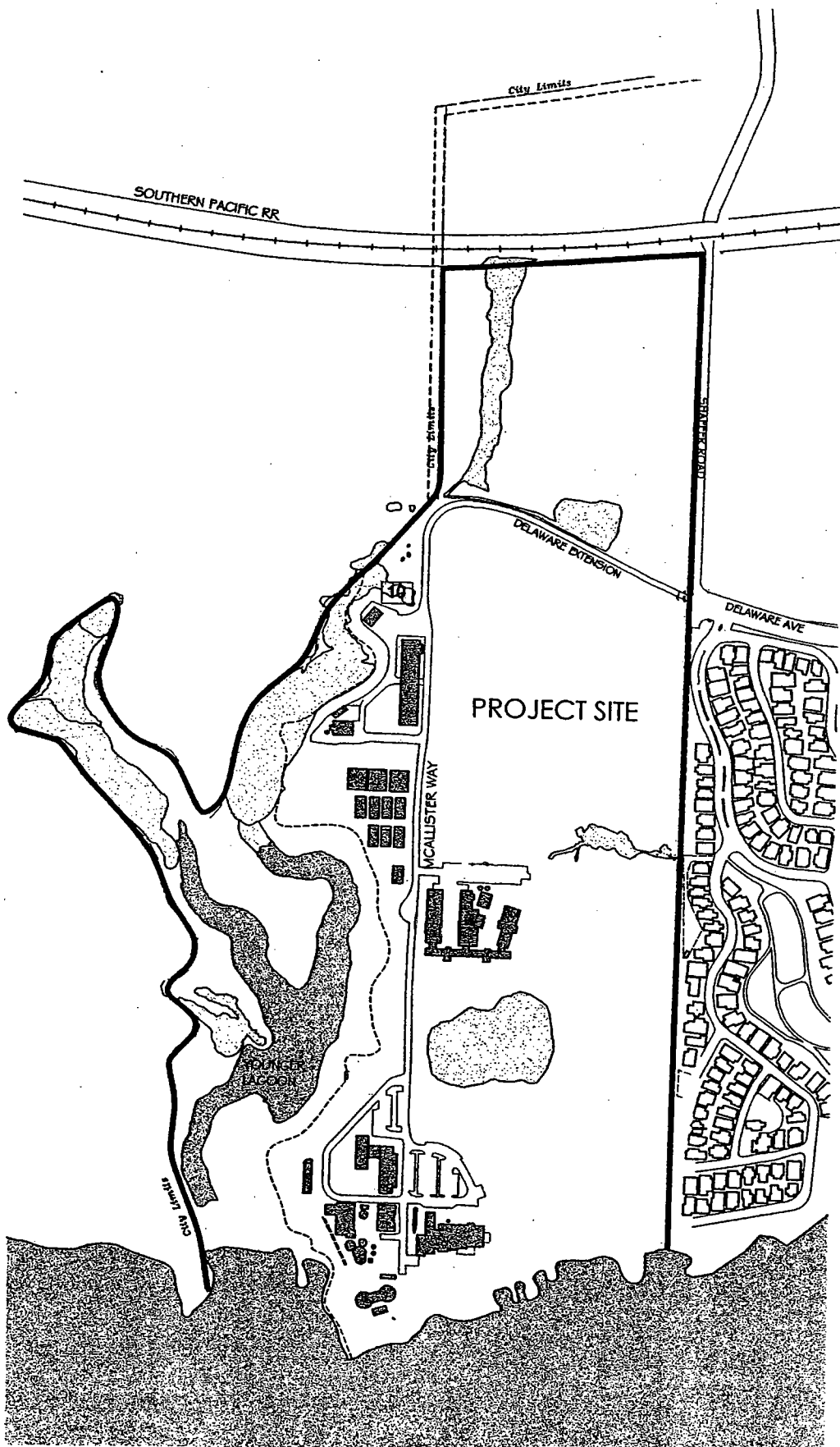


FIGURE 2: PROJECT SITE



## **PRELIMINARY EIR SCOPE LONG MARINE LABORATORY COASTAL LRDP EIR**

The following is a preliminary description of the intended scope of EIR analyses for the Long Marine Laboratory Coastal Long Range Development Plan (CLRDP). It is being circulated to agencies and members of the public as an attachment to the Notice of Preparation (NOP) to allow these parties an opportunity to make specific and timely comments on the proposed content of the EIR. The scope of the EIR will be refined, taking these comments into consideration.

### **Geology and Soils**

The project site is located in a seismically-active region of California on mudstone overlain by marine terrace deposits. Movement on regional faults is capable of producing substantial groundshaking at the LML site. The site is situated on a broad, flat-lying uplifted marine terrace truncated by an actively eroding vertical seacliff. The site is subject to coastal erosion and is identified as an area of "moderate risk" for cliff erosion in the City's General Plan. The site has shallow soils, areas of perched groundwater, and potential localized areas of high shrink-swell potential. Although liquefiable soils are likely not a concern due to competent materials underlying the site, some soils may exhibit expansive characteristics and could require special treatment.

Coastal erosion, seismic hazards, and static hazards will be fully evaluated in the LML CLRDP EIR using data provided by the 1992 Foxx, Nielsen Geologic and Coastal Erosion Study prepared for the former Terrace Point site, available maps and reports of the California Division of Mines and Geology (CDMG) and the U. S. Geological Survey (USGS), prior geotechnical studies of the property, local fault and seismic studies, and site reconnaissance. The 1992 Foxx, Nielsen Study will be thoroughly reviewed in light of changes in site conditions, analytical methods, and standards over the past 9 years and the findings of this report will be reviewed and verified.

### **Hydrology and Water Quality**

Drainage in the project vicinity generally consists of overland flow into Younger Lagoon, the DeAnza Mobile Home Park, Antonelli Pond, and the ocean. A subsurface clay layer underlain by nearly impermeable mudstone results in somewhat poorly drained soils that often create perched groundwater conditions. Younger Lagoon is a small, relatively closed lagoon system. Water quality impacts in Younger Lagoon and the ocean could potentially occur due to project-related erosion and sedimentation and due to urban contaminants from project runoff, storm water discharge, and seawater system discharge. A reduction of stormwater flows into Younger Lagoon could also affect water quality conditions. Additionally, impervious surfaces, alteration of drainage patterns, and under-sized drainage-ways can result in localized flooding especially during peak rainfall periods.

Existing runoff volumes and project runoff volumes for two design storms will be estimated in the EIR using the Rational Method. Impacts associated with an increase in runoff volume (e.g., erosion and localized flooding due to under-sized drainage ways) will be identified and evaluated. Any changes in water quality with the implementation of the project will be identified and evaluated to determine whether water quality standards could be exceeded and/or whether Younger Lagoon and marine water quality could be adversely affected. Any changes in the quantity of storm water flows to Younger Lagoon will

be evaluated, as runoff from the site is a source of fresh water for the Lagoon. Additionally, marine water quality impacts from project stormwater discharge and from the intake and discharge of seawater from an expanded seawater system will also be evaluated. A previous study prepared by Kinnetics Laboratory (1993) for the expansion of the LML seawater system to 6,000 gpm will be the basis for analyzing marine water quality impacts associated with an expanded seawater system. The requirements for the development of a Stormwater Pollution Control Prevention Plan for construction on sites greater than five acres and compliance with NPDES requirements for seawater discharges will also be evaluated.

### **Biological Resources**

The property is located at the western edge of the City of Santa Cruz and is composed of the Younger Lagoon Natural Reserve (25 acres), the existing LML complex (16 acres), and the mostly undeveloped upland site formerly known as Terrace Point (57 acres). As identified in the Notice of Preparation, the Younger Lagoon Natural Reserve (YLNR) is included in the University of California's Natural Reserve System and is managed as a habitat preserve for permanent protection. Based on review of biotic surveys conducted during the early and mid 1990's and surveys conducted during 2000-2001 in support of the LML CLRDP EIR, a variety of special-status species are known to occur or may occur in the YLNR, including approximately 22 bird species (1 of which may be nesting), tidewater goby, Western red bat, and California red-legged frog. Several special-status species are also known to occur or may occur on the undeveloped upland portion of the site, including northern harrier, white-tailed kite, and California red-legged frog. The seasonal drainages that feed the YLNR and the seasonal wetlands on the upland portion of the site are too ephemeral to support CRLF reproduction or non-reproductive rearing habitat. No special-status plant species occur on the site.

Sensitive habitats on the site, which include Environmentally Sensitive Habitats under the California Coastal Act, include the YLNR and seasonal wetlands on the undeveloped upland portion of the site. New wetland delineations under California Coastal Commission definitions and under Corps of Engineers definitions are being prepared in support of the CLRDP.

Project construction and operational impacts related to sensitive habitats, special-status species, and wildlife movement will be evaluated. This analysis will focus on the following issues of primary concern: direct and indirect impacts to special status plant species and to foraging and nesting/breeding special-status wildlife species; indirect impacts on sensitive habitats, including Environmentally Sensitive Habitats, from night lighting, noise, pets, the increased presence of people, and decreased water quality; direct impacts to wildlife movement across the site; the applicability of local plans and policies; and indirect impacts on adjacent habitat areas. The adequacy of wetland buffers and other protection measures and long-term maintenance programs identified in the CLRDP will be determined within the analysis of impacts noted above.

### **Cultural Resources**

No evidence of cultural or paleontological resources has been found during previous archaeological surveys and studies of the site conducted between 1985 and 1992. Additionally, a 2000 cultural resource survey of the YLNR (which had not been previously surveyed) did not find any evidence of cultural resources on this part of the site. The closest documented archaeological site is approximately 2,400 meters east of the project site. Underwater and intertidal remains of the 1924 shipwreck of the *La Feliz* do, however, exist south of the site. The mast of the ship was placed in the bluff top, along the southern

edge of the site, to mark the site of the wreck and is still visible today. The State Lands Commission has indicated that the remains of *La Feliz* should be protected.

The potential for encountering as yet unidentified subsurface cultural or paleontological resources during excavation and other construction activities will be identified and evaluated. Additionally, any direct or indirect impacts to the remains of the *La Feliz* from project construction and operation will be evaluated.

### **Visual Resources**

The project site is located on a series of low marine terraces immediately adjacent to the coast. The area transitions from urban development to rural and agricultural uses. Inland from Highway 1 (north of the site), the terrain becomes hilly, gradually rising to form the Santa Cruz Mountains. The site offers panoramic views to the south and southwest of Monterey Bay and coastal terrace landforms, with views of the existing buildings at LML and the De Anza Mobile Home Park. The site is visible to varying degrees from off-site public vantage points along Highway 1 (a designated scenic highway), Wilder Ranch State Park, Natural Bridges State Park, portions of West Cliff Drive, and the City's Bombay greenbelt property. Project development would result in the conversion of some of the site's fallow agricultural land to developed urban uses, thus altering the visual character of the project site and views from on- and off-site locations.

Changes in the visual environment that would result from project implementation would be described and analyzed using visual simulations that depict what development under the CLRDP could look like from up to ten representative vantage points. They are anticipated to include, at a minimum, views from Highway 1 (particularly the potential for disruption of ocean views), from Natural Bridges State Beach, and from West Cliff Drive. Project impacts on scenic vistas, scenic resources, and the visual quality of the site and surroundings will be evaluated. Impacts associated with the creation of new sources of light and glare will also be evaluated.

### **Land Use**

Existing development on the site includes LML buildings, the National Marine Fisheries Service building (located on a federal inholding), and the California Department of Fish and Game Marine Wildlife Center. The property is located at the western edge of the City of Santa Cruz and is composed of the Younger Lagoon Natural Reserve (25 acres), the existing LML complex (16 acres), and the mostly undeveloped upland site formerly known as Terrace Point (57 acres). Land uses surrounding the site include the De Anza Mobile Home Park and Antonelli Pond to the east, the Southern Pacific rail line and industrial development to the north, agricultural lands to the west, and the Pacific Ocean to the south. The site is within the City of Santa Cruz and lies entirely within the California Coastal Zone. No Local Coastal Program (LCP) land use designations have been certified by the California Coastal Commission for the project site, although the City of Santa Cruz has site-specific and general LCP policies for the former Terrace Point site which was previously private land.

The undeveloped portion of the site was formerly under cultivation for brussel sprouts, but has lain fallow since 1988. The site includes primarily non-prime farmland, although a mix of non-prime and prime farmland may exist on the site, depending upon the criteria used to define such land. The site is not located within or adjacent to any agricultural lands protected under Williamson Act contracts.



The CLRDP EIR will evaluate the project's consistency with applicable land use plans, policies, or regulations of agencies with jurisdiction over the project, such as the California Coastal Commission. The project's consistency with all relevant California Coastal Act (CCA) policies will be evaluated in the EIR. Particular attention will need to be paid to agricultural policies (see further discussion below), the maintenance of a stable urban/rural boundary, the provision of an appropriate land use transition to adjacent north coast agricultural lands, the protection of environmentally sensitive habitats, the protection of coastal views, and whether various project uses are considered to be Coastal Priority Uses. But all relevant Coastal Act policies will be addressed. Although the project will not be subject to City of Santa Cruz regulations, the project's consistency with local zoning, other Planning Code provisions, and other pertinent City land use and Local Coastal Program (LCP) policies will also be evaluated. Project changes in land use and character of the site will be evaluated as they relate to the compatibility of project land uses with other nearby uses, particularly adjacent agricultural uses (see further discussion below). Moreover, the project's potential to physically divide an established community will be evaluated.

The EIR will fully analyze the proposed project for agricultural impacts under CEQA and under CCA. The agricultural classification of the site for CEQA purposes will be determined pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency. The agricultural classification of the site for CCA purposes will be determined based on the USDA Soil Survey Capability test, the Storie Index test, the grazing land test, and the \$200/acre return test. The soil testing conducted to support the prior 1995 agricultural suitability study conducted for the former Terrace Point site will also be used in the determination of the agricultural classification of the site.

The EIR would determine whether or not the project would result in: (a) a conversion of Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland); (b) conflicts with existing agricultural zoning or Williamson Act contracts; (c) changes in the environment which could result in the conversion of Farmland to non-agricultural uses; (d) creation of nuisance impacts by construction of a project which is incompatible with existing land uses, (e.g., agriculture); and (e) conflicts with applicable policies of an agency with jurisdiction over the project. As part of (c) and (d) above, the adequacy of the project's proposed agricultural buffers will be evaluated based on the county agricultural commission's setback requirements, the Agricultural Buffer Survey prepared by Mintier & Associates (July 1998), and a review of other compatibility issues including pesticide and dust drift, odor, noise, "right to farm" issues, and pilferage. Emissions of particulate matter under 10 microns (PM10) from adjacent agricultural operations would be evaluated per Monterey Bay Unified Air Pollution Control District standards and data, as part of the above compatibility analysis. The analysis of pesticide drift would be based on existing information from relevant agencies, as available.

The project's compliance with relevant CCA agricultural policies, including 30241 and 30242 will be evaluated. If it is determined that the viability of agriculture is already severely limited by conflicts with urban uses, the project's conformance with CCA Section 30241.5, regarding the economic viability of agriculture on the site, will also be evaluated. For example, the EIR would provide an analysis of historic and potential gross revenues and expenses from agricultural activities on and immediately adjacent the site to the north. The analysis would take into account the potential to conduct both traditional and organic agricultural production, water availability and cost, the presence of sensitive habitats on the site that may not be available for renewed agricultural use, and the presence of lands on the site that would need to be retained in an agricultural buffer that would not be available for renewed agricultural use.

## **Population, Employment, and Housing**

The LML, National Marine Fisheries Service, and California Department of Fish and Game uses on the site currently employ approximately 170 people. There is currently no housing (other than temporary caretakers residences) provided on the site. The project would result in the construction of new research/office, laboratory, and other support and ancillary space, as well as housing, in an area that transitions from urban development to rural and agricultural uses. In addition, the project would extend roads and other infrastructure to and through the project site. As such, the project would have the potential to either directly or indirectly induce population growth and increase the demand for additional housing.

The number of jobs that the project would create and whether any jobs would be eliminated or displaced as a result of the project would be evaluated in the EIR. The expected change in demand for housing units as a result of the project and whether the proposed units included in the project would adequately meet the increased demand would also be analyzed. If there is a net increase in the demand for housing from the project, the availability of housing in the local community will be evaluated. If other nearby projects would also increase the demand for housing, the demand for housing from the project will be evaluated within the cumulative context of the project region. Housing impacts will be evaluated compared to existing conditions and to future conditions in 2010 and 2020. The population, employment, and housing section will be based on analysis derived from existing available sources of information, including census data, AMBAG data, and the City of Santa Cruz General Plan.

## **Traffic, Circulation, and Parking**

Automobile access to the site is currently provided by Delaware Avenue. Access to Delaware is provided from Highway 1/Mission Street via Natural Bridges Drive or Swift Street and from West Cliff Drive via Swanton Boulevard. The existing Highway 1/Mission Street corridor is dominated by signalized intersections; changes in numbers of lanes (from 2 to 1 in each direction) and the lack of left turn lanes has resulted in delays along the corridor. The Highway 1/Mission Street corridor is currently being widened to 4 full lanes between Chestnut and Swift Streets, with left-turn channelization at all signalized intersections. The 4 phases of the Mission Street widening project are scheduled to be completed by early 2002.

The transportation analysis in the EIR will analyze the following: (1) roadway operations; (2) site access and circulation (including emergency access); (3) vehicle, pedestrian, bicycle, and transit access and conflicts with policies supporting alternative transportation modes; (4) parking capacity and demand; and (5) neighborhood impacts. The analysis will include discussions of existing, project, and cumulative conditions (in 2010 and 2020) at 24 intersections. Existing conditions will be based on new AM and PM peak period turning movement counts at 24 intersections and 24-hour machine counts at three locations. Mission Street volumes will be adjusted based on Caltrans 24-hour counts. The intersections to be included in the analysis are as follows:

- Empire Grade and Western Drive
- Empire Grade and Heller Driver
- Bay Drive/Coolidge Drive and High Street
- Meder Street and Western Drive
- Highway 1 and Western Street
- Mission Street and Highway 1

- Shaffer Road and Highway 1
- Swift Street/Grandview Street and Mission Street
- Natural Bridges Drive and Delaware Avenue
- Delaware Avenue and Shaffer Road
- Delaware Avenue and Swanton Boulevard
- Delaware Avenue and Swift Street
- Delaware Avenue and Almar Avenue
- Mission Street and Almar Avenue
- Bay Street and Laguna Street
- Bay Street and Mission Street
- King Street and Bay Street
- Bay Street and Escalona Drive
- Bay Street and Iowa Drive
- Mission Street and Laurel Street
- Laurel Street and California Street
- Walnut Avenue and Mission Street
- Union Street and Mission Street
- Chestnut Street and Highway 1
- River Street and Highway 1

The roadway segments to be included in the analysis are as follows:

- Western Drive between Western Court and Monarch Way
- Bay Street between Escalona Drive and Kenneth Street
- Delaware Avenue between Seaside Street and Surfside Avenue

The project will be evaluated under the following traffic scenarios: Phase I of the project (development through 2010) + Existing Conditions; Phase I and II of the project (development through 2020) + Existing Conditions; Phase I + 2010 baseline conditions; and Phase I and II + 2020 baseline conditions. Level of Service calculations will be conducted to evaluate roadway operations under these scenarios. Existing conditions and baseline conditions in 2010 and 2020 will also be reported without the addition of project traffic. The 2010 baseline condition will include traffic volumes from the approved, but not yet constructed projects, plus existing traffic volumes. Development between 2010 and 2020 will likely be estimated using a growth factor based on AMBAG model projections or other acceptable method. Traffic volumes from this growth will be added to the 2010 baseline volumes to obtain the traffic projections for 2020 baseline conditions. The City of Santa Cruz's Traffix model will be used in the analysis.

A Traffic Infusion on Residential Environments (TIRE) analysis will be used to evaluate project impacts on the three nearby residential street segments identified above, as the basis for evaluating likely neighborhood impacts. Additionally, a roadway segment analysis (using v/c ratios) will be conducted on the same three nearby residential street segments, as well as on a segment of Mission Street, which is to be determined.

### **Air Quality**

The project site is located in the North Central Coast Air Basin, which is currently a state nonattainment area for fine particulate matter (PM10) and a nonattainment-transitional area for ozone. The North Central Coast Air Basin was previously a federal moderate nonattainment area for the 1-hour ozone standard, but was redesignated as a federal ozone maintenance area in March 1997. The basin is also an

attainment area with respect to federal PM10 standards. Regional air quality plans have been developed to improve air quality within the Basin. The project site is an exposed, coastal bluff location that experiences high wind conditions at times.

The CLRDP EIR will evaluate construction and operational air quality impacts of the project in conformance with the Monterey Bay Unified Air Pollution Control District's (MBUAPCD) *CEQA Air Quality Guidelines*. The potential for local and regional exceedences of the MBUAPCD significance thresholds for criteria pollutants will be quantified in accordance with the guidelines. Regional motor vehicle emissions will be evaluated using the URBEMIS7G model. The potential for local carbon monoxide (CO) "hot spots" from motor vehicle emissions that could exceed applicable standards will be evaluated at two intersections most affected by project traffic, using a screening method acceptable to the MBUAPCD. The CALINE4 model will be used to further analyze CO concentrations if the results of the screening effort predict concentrations above standards. The consistency of the project with the MBUAPCD's Air Quality Management Plan will be determined by the Association of Monterey Bay Area Governments (AMBAG) via a request for a consistency determination. Such consistency determinations form the basis for the evaluation of a project's cumulative impact on regional ozone concentrations.

The potential impacts from any toxic air contaminant emissions (TACs) from the project will also be evaluated. Potential sources of TACs include laboratory fume hoods and diesel particulate emissions from trucks and diesel-powered emergency generators. Based on a 1993 health risk assessment for laboratory fume hood emissions prepared for the LML Master Plan EIR, the general magnitude of expected project emissions will be evaluated. The MBUAPCD permitting required to control TAC emissions and to allow for the operation of laboratory fume hoods will be discussed. Additionally, the likely range of diesel emissions that could result from emergency generators and other sources will also be quantified, to the extent possible. The potential for these diesel particulate emissions to result in adverse health conditions for residents will also be evaluated.

## Noise

The noise environment at the project site is influenced by traffic, neighboring agricultural activities, existing outdoor marine mammal tanks at the LML, and natural noise sources such as the ocean and wind. Ambient noise levels in the vicinity of the project site are primarily influenced by vehicle travel on local roadways (e.g., Delaware Avenue and Mission Street to the north of the site).

The LML CLRDP EIR will evaluate the noise impacts of the project, including: (1) impacts of construction noise on existing site facilities and neighboring residential and other land uses, (2) operational noise impacts from on-site activities and building equipment (e.g., HVAC systems) on both on-site and off-site land uses, and (3) operational noise impacts from project-related traffic increases on off-site sensitive receptors. New noise measurements will be taken in the project vicinity to characterize the baseline ambient noise environment at the project site and in the site vicinity. Measurement locations will focus on sensitive academic/research facilities and housing units proposed under the Plan and other sensitive receptors (including off-site receptors) that could be affected by project construction or long-term operation of the project. Construction-related noise levels will be estimated in surrounding areas and at identified sensitive noise receptors. The change in noise levels due to project and cumulative traffic along the roadways most affected by project traffic will be calculated using the noise prediction model of the Federal Highway Administration (FHWA). Additionally, typical noise generated by various elements of the project, including potential commercial-type activities (e.g. truck unloading, HVAC systems) will

be estimated. The potential for project noise to adversely affect sensitive land uses or activities or to conflict with noise compatibility standards used by the University will be determined.

### **Public Services**

The City of Santa Cruz is responsible for providing fire and police protection services to all areas within the City limits including the project site. The UCSC Fire Department is responsible for providing first response for emergencies at LML. The project site is located within the Santa Cruz City School District, with the closest schools to the site being Natural Bridges Elementary, Mission Hills Junior High, and Santa Cruz High. There are currently three neighborhood parks and two school sites that provide recreation facilities in the vicinity of the project, in addition to Natural Bridges State Park, West Cliff, and area beaches.

The LML CLRDP EIR will evaluate the potential increase in demand for public services, including fire protection, police protection, schools, parks and recreational facilities, and emergency response. Any impacts that would alter the ability of a service provider to maintain acceptable service ratios, response times or other performance objectives will be identified and evaluated.

### **Utilities**

The City of Santa Cruz provides water, sewer, and solid waste services to the project site and vicinity.

The LML CLRDP EIR will evaluate the potential increase in demand for utilities, including water, wastewater/sewer, and solid waste services. The net service water, wastewater, and solid waste generation rates for the project will be estimated through the use of commonly-accepted engineering, planning, or community service standards and the project demand will be calculated. The City of Santa Cruz will be consulted in the determination of project impacts due to shortages in the City's water supply during drought conditions; possible inadequacies in sewer lines, pump stations, or treatment facilities; and potential shortfalls in permitted landfill capacity. If new facilities or expansion of existing facilities are required to serve the project, this will be identified.

### **Energy**

The site is currently provided with electrical and natural gas services by Pacific Gas & Electric Company.

The LML CLRDP EIR will estimate the energy consumption that would be associated with the construction and operation of the project. Any inefficient or wasteful use of energy proposed by the project will be evaluated. Existing utility infrastructure for electricity may not be adequate to meet the demands of the project, and the construction of new energy production or distribution facilities or the expansion of existing facilities could be required. The implications of project facilities and cumulative growth on PG&E transmission and distribution facilities will be analyzed.

### **Hazardous Substances**

Existing buildings on the project site, especially those containing laboratories, use and store hazardous materials. It is the policy of the University of California to maintain a safe environment for its students, faculty and visitors. It is also the University's policy to conduct University operations in compliance with all applicable regulations and health and safety standards. UCSC has charged the campus Office of

Environmental Health and Safety (EH&S) with compliance monitoring to ensure a safe and healthy campus environment and with coordinating the management of hazardous materials on campus and at LML. EH&S has the authority to require abatement of any condition or operation that could endanger people or facilities on campus or result in violations of pertinent federal or state laws or campus policies concerning health and safety. EH&S develops specific policies and programs in the following areas: industrial hygiene; chemical safety; physical safety; radiation safety; biohazard safety; hazardous waste management; and environmental protection. Additionally, the previous use of the site for agricultural purposes has led to the presence of residual pesticide concentrations in on-site soils.

The CLRDP EIR will evaluate potential hazards posed by the project from hazardous substances. Operation of new facilities that would be constructed under the CLRDP would likely increase the use of substances on the site that are considered hazardous under Federal or State criteria. These materials could include solvents, chemicals containing heavy metals, gases, or poisons and may be a potential exposure risk to workers, employees and students. LML must comply with Federal and State requirements for the storage and disposal of hazardous substances. The health impacts of hazardous substances use of the project will be evaluated for conformance with the regulatory requirements for use, storage, and disposal. Any potential health impacts from past or present hazardous materials use, storage, or disposal, that have resulted in residual contamination in the project area will also be evaluated as they relate to both the construction and operation of the project.

The potential health affects of pesticide residues in on-site soils will also be evaluated in the EIR. This analysis will be based on a review of previous studies (i.e., Phase I Site Assessment Due Diligence Report for the Acquisition of Campus-Related Property, Residual Pesticide Investigation, Raas, 1997; and Health Risk Assessment, Applied Science and Engineering, 1997) and on a new Phase II site assessment and health risk assessment to be prepared for this EIR. A new Phase II site assessment and health risk assessment will be performed, because there were a range of critical comments about the methodologies used in the prior studies and because there is new California Department of Toxic Substances Control guidance for performing these studies on school sites, which the University's Office of Environmental Health and Safety has recommended be used for this project. The health affects of exposure to pesticide residues in on-site soils during construction and operation of the project will be evaluated.

### **Cumulative Analyses**

The effects of the CLRDP project in combination with the cumulative effects of other past, present, and future projects will be addressed. Project and cumulative impacts will be addressed in 2010 and 2020. The project, as it is likely to be completed through 2010 and 2020, will also be compared to existing conditions.

### **Alternatives**

The EIR will address a reasonable range of alternatives that could reduce or avoid any identified significant effects of the LRDP project. The alternatives would likely consist of a no project alternative, a reduced project alternative, a larger alternative with additional housing to reduce vehicle trips, and a modified development configuration alternative.

## **APPENDIX B**

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### **AGRICULTURAL RESOURCES LESA STUDY WORKSHEETS AND MAPS AND AGRICULTURAL VIABILITY ANALYSIS**

# APPENDIX B

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## ANALYSIS OF THE AGRICULTURAL VIABILITY OF THE SITE

### *California Agricultural Land Evaluation and Site Assessment Model*

An analysis of the project site farming suitability and viability utilizes the 1997 California Department of Conservation – California Agricultural Land Evaluation and Site Assessment (LESA) Model as an approach for rating and relative quality of land resources based upon specific measurable features. These features include soil resource quality measured by the Capability Classification and Storie Index Rating, the project's size water resource availability, surrounding agricultural lands, and surrounding protected resource lands. In terms of agricultural productivity, the size of a farming operation can be considered not just from total acreage, but the acreage of different quality lands that comprise the operation. Each of these factors is rated on a 100-point scale and then weighted and combined for an overall score out of 100 points possible. It is the total score that becomes the basis for making a determination of an area's potential significance or agricultural use. The California Agricultural LESA Model does not specifically consider the issue of pesticide use, crop revenue, or buffer setbacks.

The four LESA worksheets include the following information.

**Worksheet #1:** The Land Evaluation Worksheet – includes the soil map unit, the soil acres, the soil proportion of the project area, the Land Capability Classification, the Land Capability Classification Points (provided by LESA), the resultant Land Capability Classification Score, the Storie Index, the Storie Score, and the project Size Score. The Highest Project Size Score is provided by LESA where greater than 80 acres would achieve a score of 100 points and less than 10 acres would receive 0 points. Soil data were obtained solely from the USDA published Soil Survey.

**Worksheet #2:** The Site Assessment Worksheet for Water Resources Availability – includes listing existing irrigated crops and the number of acres, existing dryland crops and the number of acres, water sources, the proportion of the project area that water could be supplied to, the LESA water availability score, and the LESA weighted availability score. To determine the score a number of LESA Options are given ranging from irrigation being feasible with no physical restrictions and no economic restrictions for 100 points, to no feasible irrigation for zero points.

**Worksheet #3:** The Site Assessment Worksheet for Surrounding Agricultural Land and Surrounding Protected Resource Land – includes determining the Zone of Influence acreage one-quarter mile outside of all site perimeters, agricultural acres within the ZOI, protected resource acres within the ZOI, percent of ZOI in agriculture, percent of ZOI in protected resources and the respective LESA agricultural land score, and protected resource land score. To determine the score a number of LESA percentages are given. For example, 90 to 100 percent equals 100 points and less than 20 percent equals 0 points. Protected resource land includes dedicated conservation easements, Land Conservation Act land, parks, and established resource areas.



**Worksheet #4:** The Final LESA Scoresheet for the Land Evaluation and Site Assessment Factors – includes determination of LESA Weighted Factor Scores based on the totals from the above Land Evaluation and Site Assessment Factors.

The LESA methodology total from Worksheet #4 is commonly used to determine the significance of the conversion of agricultural land to urban use as part of a CEQA analysis Initial Study whereby:

LESA Scoring Thresholds include the following for agricultural land:

0 to 39 points	Not Considered Significant
40 to 59 points	Considered significant only if the Land Evaluation <u>and</u> Site Assessment subscores are each greater than or equal to 20 points
60 to 79 points	Considered significant unless either the Land evaluation <u>or</u> Site Assessment subscore is less than 20 points
80 to 100 points	Considered significant

Because of the Terrace Point complex soils and land use compatibility issues, five agricultural production scenarios were evaluated by the LESA methodology.

The five scenarios include the following:

- 1) No Constraints – this scenario assumes that approximately 54 acres of the site could be utilized for agricultural production. Pesticide use would be minimal or organic farming. No setbacks would be utilized in order to maximize soil acreage.
- 2) ESHA Wetlands Setback – this scenario assumes a 100-foot setback from Environmentally Sensitive Habitat Areas containing wetlands and from existing buildings. Approximately 6.27 of wetlands, nine acres for recommended 100-foot setbacks, and two acres for building setbacks would leave about 36 acres in this scenario. Pesticide use would be minimal or organic farming.
- 3) 1995 Agricultural Suitability Study – this scenario includes about 23 acres of remaining Terrace Point property that was considered to be lower suitability farmland due to previously mentioned constraints. Pesticide use would be minimal due to proposed 30-foot setbacks from buildings.
- 4) A 300-foot Pesticide Use Setback – this scenario utilizes a 300-foot interior setback from existing habitable structures. Approximately 17 acres would be available for farming on the Terrace Point site. Pesticide use would be allowed and wetlands would be avoided.
- 5) A 500-foot Compatibility Setback – this scenario utilizes a 500-foot interior setback from existing habitable structures. Approximately 5.6 acres would be available for farming on the Terrace Point site. Pesticide use would be allowed and wetlands would be avoided.

Summary worksheets are included for each of the following five scenarios in the appendices.

An example of the LESA methodology is provided below for Scenario #2 – ESHA Wetlands Setback. Of the above scenarios, this particular one would probably be the best case from a farming standpoint.

**Worksheet Page 1:** The area is 36 acres in size and contains three USDA soil series or types of soil. The soil series are #132 – 11.4 acres, #133 – 5.3 acres, and #178 – 19.3 acres.

The Land Capability Classifications are I (if irrigated), IIIe, and IIIw, respectively. Total Land Capability Classification Points are 74.3 based on multiplying the proportion of the soil area times the LESA LCC Scoring.

The Storie Index of the soils are 73, 66, and 50, respectively that equal a total Storie Score of 59.8 based on multiplying the proportion of the soil area times the Storie Index.

The size score is determined from the other LESA tables on Worksheet Page 1. For either 11.4 acres of Capability Class I soil, or 24.6 acres of Class III soils the maximum size score is 30 points.

Because of previous controversy on soil classifications, we have taken a very conservative approach and have assumed for all scenarios that soil map #132 is Capability Class I event though it would only achieve this classification if the soil was under active irrigation which it is not.

**Worksheet Page 2:** Continuing for the 36-acres area, the current irrigated crop use is zero acres, and for dryland crops is zero acres. The water sources include City of Santa Cruz water at \$1,500/acre/year plus \$30,400 hook-up fee plus \$1,238 yearly readiness fee. No existing water deliver infrastructure exists of the site for crop irrigation. A further analysis of water use is included latter in this section. A number of LESA-derived options exist for water availability. For this site, we have taken a range from zero points where irrigation is not feasible to 30 points where irrigation would be feasible but with physical restrictions and economic restrictions. High water costs, a high hook-up fee, a yearly readiness fee, lack of an onsite water deliver infrastructure, and future potential water use cost increases all contribute to lower feasibility. Well water is not considered feasible because there is no well or water storage reservoir, potential well sites are in ESHA wetland areas, and water quality is substandard for agricultural use.

The water resource score is constant for all scenarios.

The LESA Model does consider economic restrictions if a rise in the cost of water goes to a level that forces a reduction in consumption. Irrigated agricultural production is considered feasible when:

- There is an existing irrigation system on the project site that can serve the property. None exist on Terrace Point for agricultural uses.
- Physical and/or economic restrictions are not severe enough to halt production. See following analysis.
- It is possible to achieve a viable economic return on crops through irrigated production. See following analysis.

**Worksheet Page 3:** This worksheet determines the zone of influence (ZOI) for all scenarios. A one-quarter mile rectangle was drawn around the perimeters of the Terrace Point site and the

acres by land use were planimetered. Total ZOI area was about 434 acres of which 118 acres (28 percent) are currently used for agriculture. Approximately 214 acres are considered as protected resource areas including the Antonelli Pond area, Natural Bridges State Park, Younger Lagoon, and the Pacific Ocean. From the LESA tables the surrounding agricultural land score is 10 points since 28 percent is in agricultural use. The protected resource land score is 60 points since between 51 percent of the surrounding land is in long-term open space.

The zone of influence is constant for all scenarios for the overall exterior perimeter Terrace Point property footprint.

**Worksheet Page 4:** This worksheet totals the scores on the previous worksheets and determines the significance of the agricultural resource.

The Land Evaluation Factors includes a Land Capability Classification score of 74.3 points times a factor weight of 0.25 that equals a weighted factor score of 18.6 points. A Storie Index score of 59.8 points times a factor with of 0.25 that equals a weighted factor score of 15 points. These scores added together equals a 33.6 point subscore.

The Site Assessment Factors includes a Project Size of 30 points times a factor weight of 0.15 that equals 4.5 points. A Water Resource Availability score of 0 to 30 points times a factor weight of 0.15 that equals 0 to 4.5 points. A Surrounding Agricultural Land score of 10 points times a factor weight of 0.15 that equals 1.5 points. A Protected Resource Land score of 60 points times a factor weight of 0.05 that equals 3 points. Totaling the weighted factor scores equals a 9 to 13.5 point subscore.

Adding the Land Evaluation Subtotal of 33.6 points and the Site Assessment Subtotal of 9 to 13.5 points equals 42.6 to 47.1 points. Per the LESA Model this point range is to be considered as a significant agricultural resource only if both the LE and SA subscores are each greater than or equal to 20 points. The SA subscore is 9 to 13.5 points.

### Summary of LESA Scenarios

<u>Scenario #</u>	<u>Land Evaluation Subscore</u>	<u>Site Assessment Subscore</u>	<u>Final LESA Total Points</u>
1	35.1	12 to 16.5	46.1 to 51.6
2	33.6	9 to 13.5	42.6 to 47.1
3	33.1	9 to 13.5	42.1 to 46.6
4	35.5	6 to 10.5	41.5 to 46
5	36.2	4.5 to 9	40.7 to 45.2

Note: 40 to 59 points are considered significant only if both subscores are each greater than or equal tot 20 points.

In conclusion, the LESA Model would consider none of the five scenarios as a significant agricultural resource.

### ***Economic Analysis of the Agricultural Viability of the Site***

In addition to the LESA analysis, further analysis of the agricultural viability of crop production versus costs is provided below. Average crop production in tons per acre for Brussels sprouts and average gross revenues per acre were determined from the Santa Cruz County Agricultural Commissioner's Office crop reports. Brussels sprouts were used since this crop appears to be the most feasible for the site's microclimate based on the experience of other farmers.<sup>1,2</sup> The average gross revenues for LESA Scenario 2's 36 acres of agricultural production were then estimated. Sources included average production costs as determined from the Santa Cruz County Farm Advisor cost sheets and from Farm Advisor updates on costs. Production costs include land preparation, fumigation, cultivation, fertilization, planting and harvesting costs. Materials include fertilizers and pesticides. Cash overhead includes general expenses, management, interest, rent, and repairs. Average gross revenues and production per acre for 2001 were used in the calculations as the most recent available data. Water costs are incorporated below.

The approximate projected average net income for LESA Scenario 2's 36 acres is estimated to be \$45,000 (\$1,250 per acre) for Brussels sprouts (excluding water costs and assuming the land is rented), with average production at 9.1 tons per acre, production costs at \$3,500 per acre, and an average gross revenue of \$522 per ton. Average production yields were used as a conservative estimate; actual historical site yields may have been lower due to drainage-impaired soils and poor irrigation water quality.

City of Santa Cruz water rates for a two-inch irrigation water meter includes a \$26,848 connection cost, a \$3,102 installation cost, a \$444 water meter cost, and a \$1,238 yearly readiness to serve charge. An actual irrigation water cost of \$2.29 for 748 gallons equates to about \$1,500 per acre per year (1.5 acre-foot – 488,777 gallons of irrigation water per year). Total yearly irrigation-water-only costs for 36 acres would be about \$54,000 plus the yearly readiness fee of \$1,238 would equal \$55,238. Net return including irrigation-water-only costs for 36 acres would be a loss of approximately \$10,238 for the first year. Farming under this scenario would therefore not be considered viable. Note that the production costs and gross revenues would vary yearly. In addition, the water connection, installation, and meter costs would be a one-time \$30,394 cost, excluding interest. The water costs also do not include the cost of water line infrastructure within the site, and future cost increases and availability from an urban server. A first year loss would actually total \$40,632 if the one time hook-up fee was included. The LESA analysis for Worksheet #2 water availability ranges from 0 to 30 points depending on the specific production year and actual water availability.

The agricultural viability report format contained in the Watsonville Municipal Code is also of interest, as it analyzes the productivity of agricultural sites and the surrounding areas for the preceding five years. The Watsonville viability report, at a minimum, is to contain an analysis of the following factors: soil types, and Capability Classification, Storie Index, net dollar return for crops grown on each soil type, crop types and dollar return, agricultural uses not dependent on soil, agricultural constraints (such as climate), management techniques, proximity of agricultural and urban uses, water uses-costs-availability, access, production history, risk factors, and

<sup>1</sup> Goode, Helen, Owner Younger Ranch, Comment on Monarch Village Draft EIR: City of Santa Cruz Planning Department, October 19, 2001, and personal communication, November 9, 2002.

<sup>2</sup> Roth, Victor, California State Parks Land Agent, personal communication, January 4 and 5, 2002.

economics including gross revenues, operational expenses, fixed cost, excluding land costs, and cost impact on private and public sectors.

The above factors, where applicable, were extrapolated for the project site for methodology consistency with other jurisdictions, even though no agricultural production has occurred on the property since 1988 and thus no agricultural revenues were generated. The above cost analysis provides a reasonable approximation in the absence of actual site-specific production data. Urban services and access infrastructure was established across the property for existing University-related and other land uses.

The above generic cost analysis data (excluding water) provides a reasonable regional extrapolation for the area (note that the actual production and cost figures for the Younger Ranch and the Wilder Ranch were unavailable due to the privacy rights of the farmers on those properties). However, agricultural lands at the Younger and Wilder Ranches are classified as both Prime and of Statewide Importance, which is superior to the Unique classification of the soils on the project site. It is apparent from the public record and from state park lease arrangements that both the Younger Ranch and Wilder Ranch properties are committed to long-term, viable agricultural production and therefore constitute significant agricultural resources. (It is noted that the Younger Ranch is not under Land Conservation Act contract at this time and the Wilder Ranch is owned by the State of California.) Based on 2001 crop reporting records, together these two ranches constitute about 80 percent of the Brussels sprouts acreage in Santa Cruz County.

SCENARIO #1 - TERRACE POINT NO CONSTRAINTS LESA WORKSHEET SOILS: PAGE 1

LAND EVALUATION WORKSHEET						SITE ASSESSMENT WORKSHEET				
Land Capability Classification						Storie Index Scores		Project Size Score		
SOIL MAP UNIT	PROJECT ACRES	PROPORTION PROJECT AREA	LCC	LCC POINTS	LCC SCORE	STORIE INDEX	STORIE SCORE	LCC I-II	LCC III	LCC IV-VIII
#132	23 acres	0.43	I*	100	43	73	31.4	23 acres		
#133	7 acres	0.13	IIIe	70	9.1	66	8.6		7 acres	
#178	24 acres	0.44	IIIw	60	26.4	50	22		24 acres	

\* only if irrigated

TOTALS		54 acres	1	78.5	62	23 acres	31 acres
						HIGHEST PROJECT SIZE SCORE	50 points

Project Size Scoring Table:

Class I or II		Class III		Class IV-VIII	
Acreage	Points	Acreage	Points	Acreage	Points
>80	100	>160	100	>320	100
60 to 79	90	120 to 159	90	240 to 319	80
40 to 59	80	80 to 119	80	160 to 239	60
20 to 39	50	60 to 79	70	100 to 159	40
10 to 19	30	40 to 59	60	40 to 99	20
<10	0	20 to 39	30	<40	0
		10 to 19	10		
		<10	0		

LCC Scoring: I=100pts. II=90pts. II<sub>s,w</sub>=80pts. IIIe=70pts. III<sub>s,w</sub>=60pts. IVe=50pts. IV<sub>s,w</sub>=40pts. V=30pts. VI<sub>e,s,w</sub>=20pts. VII<sub>e,s,w</sub>=10pts. VIII=0pts.

SOURCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey and SAGE Associates field assessments, 2002.

SITE ASSESSMENT WORKSHEET

Water Resources Availability				WATER SOURCES	PROPORTION PROJECT AREA	WATER AVAILABILITY SCORE	WEIGHTED AVAILABILITY SCORE
IRRIGATED CROPS	PORTION ACRES	DRYLAND CROPS	PORTION ACRES				
None	0 acres	None	0 acres	City water at \$1,500/acre/year plus \$30,400 hook-up fee plus \$1,238 yearly readiness fee	1	0 to 30	0 to 30

TOTALS					1	WATER RESOURCE SCORE	0 to 30
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OPTIONS	Non-Drought Year Restrictions			Drought Year Restrictions			Water Resource Score
	Irrigation Feasible	Physical Restrictions	Economic Restrictions	Irrigation Feasible	Physical Restrictions	Economic Restrictions	
1	YES	NO	NO	YES	NO	NO	100
2	YES	NO	NO	YES	NO	YES	95
3	YES	NO	YES	YES	NO	YES	90
4	YES	NO	NO	YES	YES	NO	85
5	YES	YES	NO	YES	YES	YES	80
6	YES	YES	NO	YES	YES	NO	75
7	YES	NO	YES	YES	YES	YES	65
8	YES	NO	NO	NO			50
9	YES	YES	YES	NO			45
10	YES	YES	NO	NO			35
11	YES	YES	YES	NO			30
12	NO			rainfall adequate for dryland crops			25
13	NO			rainfall inadequate in drought years			20
14	NO			crop production not feasible			0

SOURCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey; and SAGE Associates field assessments, 2002.

VE ASSESSMENT WORKSHEET

Surrounding Agricultural Land and Surrounding Protected Resource Land

TOTAL ZOI ACRES	AGRICULTURE ACRES	PROTECTED RESOURCE ACRES	PERCENT IN AGRICULTURE	PERCENT IN PROTECTED RESOURCES	SURROUNDING AGRICULTURE LAND SCORE	SURROUNDING PROTECTED RESOURCE LAND SCORE
434 acres	118 acres	214 acres	28%	51%	10	60

Surrounding Agricultural Land Scoring Table

Percent of ZOI in Agriculture	Surrounding Agricultural Land Score
90-100	100
80-89	95
70-79	90
65-69	85
60-64	80
55-59	70
50-54	60
45-49	50
40-44	40
35-39	30
30-34	20
20-29	10
<19	0

Surrounding Protected Resource Land Scoring Table

Percent of ZOI Protected	Protected Resource Land Score
90-100	100
80-89	95
70-79	90
65-69	85
60-64	80
55-59	70
50-54	60
45-49	50
40-44	40
35-39	30
30-34	20
20-29	10
<20	0

SOURCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey; and SAGE Associates field assessments, 2002.



**FINAL LESA SCORESHEET**

**Land Evaluation and Site Assessment Factors**

FACTORS	FACTOR SCORES	FACTOR WEIGHT	WEIGHTED FACTOR SCORES
<b>LAND EVALUATION FACTORS</b>			
Land Capability Classification	78.5	0.25	19.6
Storie Index	62	0.25	15.5
<i>Land Evaluation Subtotal</i>		<i>0.5</i>	<i>35.1</i>
<b>SITE ASSESSMENT FACTORS</b>			
Project Size	50	0.15	7.5
Water Resource Availability	0 to 30	0.15	0 to 4.5
Surrounding Agricultural Land	10	0.15	1.5
Protected Resource Land	60	0.05	3
<i>Site Assessment Subtotal</i>		<i>0.5</i>	<i>12 to 16.5</i>
<b>FINAL LESA SCORE</b>			<b>46.1 to 51.6</b>

Note: Not considered a significant agricultural resource since SA subscore is less than 20 points.

**California LESA Model Scoring Thresholds**

Total LESA Score	Scoring Decision
0 to 39 Points	Not Considered Significant.
40 to 59 Points	Considered Significant only if LE and SA subscores are each greater than or equal to 20 points.
60 to 79 Points	Considered Significant unless either LE or SA subscore is less than 20 points.
80 to 100 Points	Considered Significant.

Note: LESA Model is designed to make determinations of the potential significance of a project's conversion of agricultural lands during the Initial Study phase of the CEQA review process.

SOURCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey; and SAGE Associates field assessments, 2002.

SCENARIO #2- TERRACE POINT ESHA WETLANDS SETBACK LESA WORKSHEET SOILS: PAGE 1

LAND EVALUATION WORKSHEET						SITE ASSESSMENT WORKSHEET					
Land Capability Classification			LCC	LCC POINTS	LCC SCORE	Storie Index Scores		Project Size Score			
SOIL MAP UNIT	PROJECT ACRES	PROPORTION PROJECT AREA				STORIE INDEX	STORIE SCORE	LCC I-II	LCC III	LCC IV-VIII	
#132	11.4 acres	0.32	I*	100	32	73	23.4	11.4 acres			
#133	5.3 acres	0.15	IIIe	70	10.5	66	9.9	5.3 acres			
#178	19.3 acres	0.53	IIIw	60	31.8	50	26.5	19.3 acres			

\* only if irrigated

<b>TOTALS</b>	36 acres	1		74.3		59.8		11.4 acres	24.6 acres	
								30 points	30 points	
								HIGHEST PROJECT SIZE SCORE		
								30 points		

Project Size Scoring Table:

Class I or II		Class III		Class IV-VIII	
Acreage	Points	Acreage	Points	Acreage	Points
>80	100	>160	100	>320	100
60 to 79	90	120 to 159	90	240 to 319	80
40 to 59	80	80 to 119	80	160 to 239	60
20 to 39	50	60 to 79	70	100 to 159	40
10 to 19	30	40 to 59	60	40 to 99	20
<10	0	20 to 39	30	<40	0
		10 to 19	10		
		<10	0		

LCC Scoring: I = 100pts. IIe = 90pts. IIw = 80 pts. IIIe = 70pts. IIIw = 60pts. IVe = 50pts. IVw = 40pts. V = 30pts. VIe,w = 20pts. VIIe,w = 10pts. VIII = 0pts.

SOURCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey and GE Associates field assessments, 2002.

SCENARIO #2 - TERRACE POINT ESHA WETLANDS SETBACK LESA WORKSHEET WATER RESOURCES: PAGE 2

SITE ASSESSMENT WORKSHEET

Water Resources Availability				WATER SOURCES	PROPORTION PROJECT AREA	WATER AVAILABILITY SCORE	WEIGHTED AVAILABILITY SCORE
IRRIGATED CROPS	PORTION ACRES	DRYLAND CROPS	PORTION ACRES				
None	0 acres	None	0 acres	City water at \$1,500/acre/year plus \$30,400 hook-up fee plus \$1,238 yearly readiness fee	1	0 to 30	0 to 30
<b>TOTALS</b>					1	WATER RESOURCE SCORE	0 to 30

OPTIONS	Non-Drought Year Restrictions			Drought Year Restrictions			Water Resource Score
	Irrigation Feasible	Physical Restrictions	Economic Restrictions	Irrigation Feasible	Physical Restrictions	Economic Restrictions	
1	YES	NO	NO	YES	NO	NO	100
2	YES	NO	NO	YES	NO	YES	95
3	YES	NO	YES	YES	NO	YES	90
4	YES	NO	NO	YES	YES	NO	85
5	YES	YES	NO	YES	YES	YES	80
6	YES	YES	NO	YES	YES	NO	75
7	YES	NO	YES	YES	YES	YES	65
8	YES	NO	NO	NO			50
9	YES	YES	YES	NO			45
10	YES	YES	NO	NO			35
11	YES	YES	YES	NO			30
12	NO			rainfall adequate for dryland crops			25
13	NO			rainfall inadequate in drought years			20
14	NO			crop production not feasible			0

SOURCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey; and SAGE Associates field assessments, 2002.

THE ASSESSMENT WORKSHEET

Surrounding Agricultural Land and Surrounding Protected Resource Land					SURROUNDING AGRICULTURE LAND SCORE	SURROUNDING PROTECTED RESOURCE LAND SCORE
TOTAL ZOI ACRES	AGRICULTURE ACRES	PROTECTED RESOURCE ACRES	PERCENT IN AGRICULTURE	PERCENT IN PROTECTED RESOURCES		
434 acres	118 acres	214 acres	28%	51%	10	60

Surrounding Agricultural Land Scoring Table

Percent of ZOI in Agriculture	Surrounding Agricultural Land Score
90-100	100
80-89	95
70-79	90
65-69	85
60-64	80
55-59	70
50-54	60
45-49	50
40-44	40
35-39	30
30-34	20
20-29	10
<19	0

Surrounding Protected Resource Land Scoring Table

Percent of ZOI Protected	Protected Resource Land Score
90-100	100
80-89	95
70-79	90
65-69	85
60-64	80
55-59	70
50-54	60
45-49	50
40-44	40
35-39	30
30-34	20
20-29	10
<20	0

SOURCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey; and SAGE Associates field assessments, 2002.

**FINAL LESA SCORESHEET**

**Land Evaluation and Site Assessment Factors**

FACTORS	FACTOR SCORES	FACTOR WEIGHT	WEIGHTED FACTOR SCORES
<b>LAND EVALUATION FACTORS</b>			
Land Capability Classification	74.3	0.25	18.6
Storie Index	59.8	0.25	15
<i>Land Evaluation Subtotal</i>		<i>0.5</i>	<i>33.6</i>
<b>SITE ASSESSMENT FACTORS</b>			
Project Size	30	0.15	4.5
Water Resource Availability	0 to 30	0.15	0 to 4.5
Surrounding Agricultural Land	10	0.15	1.5
Protected Resource Land	60	0.05	3
<i>Site Assessment Subtotal</i>		<i>0.5</i>	<i>9 to 13.5</i>
<b>FINAL LESA SCORE</b>			<b>42.6 to 47.1</b>

Note: Not considered a significant agricultural resource since SA subscore is less than 20 points.

**California LESA Model Scoring Thresholds**

Total LESA Score	Scoring Decision
0 to 39 Points	Not Considered Significant.
40 to 59 Points	Considered Significant only if LE and SA subscores are each greater than or equal to 20 points.
60 to 79 Points	Considered Significant unless either LE or SA subscore is less than 20 points.
80 to 100 Points	Considered Significant.

Note: LESA Model is designed to make determinations of the potential significance of a project's conversion of agricultural lands during the Initial Study phase of the CEQA review process.

SOURCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey; and SAGE Associates field assessments, 2002.

SCENARIO #3 - TERRACE POINT 1995 AGRICULTURAL SUITABILITY STUDY LESA WORKSHEET SOILS: PAGE 1

AND EVALUATION WORKSHEET

and Capability Classification

SITE ASSESSMENT WORKSHEET

SOIL MAP UNIT	PROJECT ACRES	PROPORTION PROJECT AREA	LCC	LCC POINTS	LCC SCORE	Storie Index Scores		Project Size Score		
						STORIE INDEX	STORIE SCORE	LCC I-II	LCC III	LCC IV-VIII
#132	6 acres	0.26	I*	100	26	73	19	6 acres		
#133	5 acres	0.22	IIIe	70	15.4	66	14.5		5 acres	
#178	12 acres	0.52	IIIw	60	31.2	50	26		12 acres	

\*only if irrigated

TOTALS

23 acres	1	72.6	59.5	6 acres	17 acres
				0 points	10 points
				HIGHEST PROJECT SIZE SCORE	
				10 points	

Project Size Scoring Table:

Class I or II		Class III		Class IV-VIII	
Acreage	Points	Acreage	Points	Acreage	Points
>80	100	>160	100	>320	100
60 to 79	90	120 to 159	90	240 to 319	80
40 to 59	80	80 to 119	80	160 to 239	60
20 to 39	50	60 to 79	70	100 to 159	40
10 to 19	30	40 to 59	60	40 to 99	20
<10	0	20 to 39	30	<40	0
		10 to 19	10		
		<10	0		

LCC Scoring: I = 100pts. IIe = 90pts. II<sub>s,w</sub> = 80 pts. IIIe = 70pts. III<sub>s,w</sub> = 60pts. IVe = 50pts. IV<sub>s,w</sub> = 40pts. V = 30pts. VI<sub>e,s,w</sub> = 20pts. VII<sub>e,s,w</sub> = 10pts. VIII = 0pts.

SOURCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey and SAGE Associates field assessments, 2002.

SITE ASSESSMENT WORKSHEET

Water Resources Availability				WATER SOURCES	PROPORTION PROJECT AREA	WATER AVAILABILITY SCORE	WEIGHTED AVAILABILITY SCORE
IRRIGATED CROPS	PORTION ACRES	DRYLAND CROPS	PORTION ACRES				

None	0 acres	None	0 acres	City water at \$1,500/acre/year plus \$30,400 hook-up fee plus \$1,238 yearly readiness fee.	1	0 to 30	0 to 30
------	---------	------	---------	--	---	---------	---------

TOTALS					1	WATER RESOURCE SCORE	0 to 30
--------	--	--	--	--	---	----------------------	---------

OPTIONS	Non-Drought Year Restrictions			Drought Year Restrictions			Water Resource Score
	Irrigation Feasible	Physical Restrictions	Economic Restrictions	Irrigation Feasible	Physical Restrictions	Economic Restrictions	
1	YES	NO	NO	YES	NO	NO	100
2	YES	NO	NO	YES	NO	YES	95
3	YES	NO	YES	YES	NO	YES	90
4	YES	NO	NO	YES	YES	NO	85
5	YES	YES	NO	YES	YES	YES	80
6	YES	YES	NO	YES	YES	NO	75
7	YES	NO	YES	YES	YES	YES	65
8	YES	NO	NO	NO			50
9	YES	YES	YES	NO			45
10	YES	YES	NO	NO			35
11	YES	YES	YES	NO			30
12	NO					rainfall adequate for dryland crops	25
13	NO					rainfall inadequate in drought years	20
14	NO					crop production not feasible	0

SOURCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey; and SAGE Associates field assessments, 2002.

SCENARIO #3 - TERRACE POINT 1995 AGRICULTURAL SUITABILITY STUDY LESA WORKSHEET SURROUNDING LAND USES: PAGE 3

ASSESSMENT WORKSHEET

Surrounding Agricultural Land and Surrounding Protected Resource Land

TOTAL ZOI ACRES	AGRICULTURE ACRES	PROTECTED RESOURCE ACRES	PERCENT IN AGRICULTURE	PERCENT IN PROTECTED RESOURCES	SURROUNDING AGRICULTURE LAND SCORE	SURROUNDING PROTECTED RESOURCE LAND SCORE
434 acres	118 acres	214 acres	28%	51%	10	60

Surrounding Agricultural Land Scoring Table

Percent of ZOI in Agriculture	Surrounding Agricultural Land Score
90-100	100
80-89	95
70-79	90
65-69	85
60-64	80
55-59	70
50-54	60
45-49	50
40-44	40
35-39	30
30-34	20
20-29	10
	0

Surrounding Protected Resource Land Scoring Table

Percent of ZOI Protected	Protected Resource Land Score
90-100	100
80-89	95
70-79	90
65-69	85
60-64	80
55-59	78
50-54	60
45-49	50
40-44	40
35-39	30
30-34	20
20-29	10
<20	0

SOURCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey; and SAGE Associates field assessments, 2002.



**FINAL LESA SCORESHEET**

**Land Evaluation and Site Assessment Factors**

FACTORS	FACTOR SCORES	FACTOR WEIGHT	WEIGHTED FACTOR SCORES
<b>LAND EVALUATION FACTORS</b>			
Land Capability Classification	72.6	0.25	18.2
Storie Index	59.5	0.25	14.9
<i>Land Evaluation Subtotal</i>		<i>0.5</i>	<i>33.1</i>
<b>SITE ASSESSMENT FACTORS</b>			
Project Size	30	0.15	4.5
Water Resource Availability	0 to 30	0.15	0 to 4.5
Surrounding Agricultural Land	10	0.15	1.5
Protected Resource Land	60	0.05	3
<i>Site Assessment Subtotal</i>		<i>0.5</i>	<i>9 to 13.5</i>
<b>FINAL LESA SCORE</b>			<b>42.1 to 46.6</b>

Note: Not considered a significant agricultural resource since SA subscore is less than 20 points.

**California LESA Model Scoring Thresholds**

Total LESA Score	Scoring Decision
0 to 39 Points	Not Considered Significant.
40 to 59 Points	Considered Significant only if LE and SA subscores are each greater than or equal to 20 points.
60 to 79 Points	Considered Significant unless either LE or SA subscore is less than 20 points.
80 to 100 Points	Considered Significant.

Note: LESA Model is designed to make determinations of the potential significance of a project's conversion of agricultural lands during the Initial Study phase of the CEQA review process.

SOURCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey; and SAGE Associates field assessments, 2002.

SCENARIO #4 - TERRACE POINT PESTICIDE USE 300-FOOT SETBACK LESA WORKSHEET SOILS: PAGE 1

LAND EVALUATION WORKSHEET and Capability Classification						SITE ASSESSMENT WORKSHEET				
SOIL MAP UNIT	PROJECT ACRES	PROPORTION PROJECT AREA	LCC	LCC POINTS	LCC SCORE	Storie Index Scores		Project Size Score		
						STORIE INDEX	STORIE SCORE	LCC I-II	LCC III	LCC IV-VIII
#132	7.1 acres	0.41	I*	100	41	73	30	7.1 acres		
#133	3.7 acres	0.21	IIIe	70	15	66	14	3.7 acres		
#178	6.5 acres	0.38	IIIw	60	23	50	19	6.5 acres		

\*only if irrigated

TOTALS	17.3 acres	1	79	63	7.1 acres	10.2 acres
					0 points	10 points
HIGHEST PROJECT SIZE SCORE					10 points	

Project Size Scoring Table:

Class I or II		Class III		Class IV-VIII	
Acreage	Points	Acreage	Points	Acreage	Points
>80	100	>160	100	>320	100
60 to 79	90	120 to 159	90	240 to 319	80
40 to 59	80	80 to 119	80	160 to 239	60
20 to 39	50	60 to 79	70	100 to 159	40
10 to 19	30	40 to 59	60	40 to 99	20
<10	0	20 to 39	30	<40	0
		10 to 19	10		
		<10	0		

LCC Scoring: I = 100pts. IIe = 90pts. II<sub>s,w</sub> = 80 pts. IIIe = 70pts. III<sub>s,w</sub> = 60pts. IVe = 50pts. IV<sub>s,w</sub> = 40pts. V = 30pts. VI<sub>s,w</sub> = 20pts. VII<sub>s,w</sub> = 10pts. VIII = 0pts.

SOURCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey and SAGE Associates field assessments, 2002.

SITE ASSESSMENT WORKSHEET

Water Resources Availability				WATER SOURCES	PROPORTION PROJECT AREA	WATER AVAILABILITY SCORE	WEIGHTED AVAILABILITY SCORE
IRRIGATED CROPS	PORTION ACRES	DRYLAND CROPS	PORTION ACRES				
None	0 acres	None	0 acres	City water at \$1,500/acre/year plus \$30,400 hook-up fee plus \$1,238 yearly readiness fee	1	0 to 30	0 to 30

TOTALS

1	WATER RESOURCE SCORE	0 to 30
---	----------------------	---------

OPTIONS	Non-Drought Year Restrictions			Drought Year Restrictions			Water Resource Score
	Irrigation Feasible	Physical Restrictions	Economic Restrictions	Irrigation Feasible	Physical Restrictions	Economic Restrictions	
1	YES	NO	NO	YES	NO	NO	100
2	YES	NO	NO	YES	NO	YES	95
3	YES	NO	YES	YES	NO	YES	90
4	YES	NO	NO	YES	YES	NO	85
5	YES	YES	NO	YES	YES	YES	80
6	YES	YES	NO	YES	YES	NO	75
7	YES	NO	YES	YES	YES	YES	65
8	YES	NO	NO	NO			50
9	YES	YES	YES	NO			45
10	YES	YES	NO	NO			35
11	YES	YES	YES	NO			30
12	NO					rainfall adequate for dryland crops	25
13	NO					rainfall inadequate in drought years	20
14	NO					crop production not feasible	0

SOURCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey; and SAGE Associates field assessments, 2002.

E ASSESSMENT WORKSHEET

Surrounding Agricultural Land and Surrounding Protected Resource Land

TOTAL ZOI ACRES	AGRICULTURE ACRES	PROTECTED RESOURCE ACRES	PERCENT IN AGRICULTURE	PERCENT IN PROTECTED RESOURCES	SURROUNDING AGRICULTURE LAND SCORE	SURROUNDING PROTECTED RESOURCE LAND SCORE
434 acres	118 acres	214 acres	28%	51%	10	60

Surrounding Agricultural Land Scoring Table

Surrounding Protected Resource Land Scoring Table

Percent of ZOI in Agriculture	Surrounding Agricultural Land Score	Percent of ZOI Protected	Protected Resource Land Score
90-100	100	90-100	100
80-89	95	80-89	95
70-79	90	70-79	90
65-69	85	65-69	85
60-64	80	60-64	80
55-59	70	55-59	70
50-54	60	50-54	60
45-49	50	45-49	50
40-44	40	40-44	40
35-39	30	35-39	30
30-34	20	30-34	20
20-29	10	20-29	10
10-19	0	<20	0

SOURCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey; and SAGE Associates field assessments, 2002.

**FINAL LESA SCORESHEET**

**Land Evaluation and Site Assessment Factors**

FACTORS	FACTOR SCORES	FACTOR WEIGHT	WEIGHTED FACTOR SCORES
<b>LAND EVALUATION FACTORS</b>			
Land Capability Classification	79	0.25	19.75
Storie Index	63	0.25	15.75
<i>Land Evaluation Subtotal</i>		<i>0.5</i>	<i>35.5</i>
<b>SITE ASSESSMENT FACTORS</b>			
Project Size	10	0.15	1.5
Water Resource Availability	0 to 30	0.15	0 to 4.5
Surrounding Agricultural Land	10	0.15	1.5
Protected Resource Land	60	0.05	3
<i>Site Assessment Subtotal</i>		<i>0.5</i>	<i>6 to 10.5</i>
<b>FINAL LESA SCORE</b>			<b>41.5 to 46</b>

Note: Not considered a significant agricultural resource since SA subscore is less than 20 points.

**California LESA Model Scoring Thresholds**

Total LESA Score	Scoring Decision
0 to 39 Points	Not Considered Significant.
40 to 59 Points	Considered Significant only if LE and SA subscores are each greater than or equal to 20 points.
60 to 79 Points	Considered Significant unless either LE or SA subscore is less than 20 points.
80 to 100 Points	Considered Significant.

Note: LESA Model is designed to make determinations of the potential significance of a project's conversion of agricultural lands during the Initial Study phase of the CEQA review process.

SOURCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey; and SAGE Associates field assessments, 2002.

SCENARIO #5 - TERRACE POINT 500-FOOT COMPATIBILITY SETBACK LESA WORKSHEET SOILS: PAGE 1

LAND EVALUATION WORKSHEET						SITE ASSESSMENT WORKSHEET					
Land Capability Classification						Storie Index Scores		Project Size Score			
SOIL MAP UNIT	PROJECT ACRES	PROPORTION PROJECT AREA	LCC	LCC POINTS	LCC SCORE	STORIE INDEX	STORIE SCORE	LCC I-II	LCC III	LCC IV-VIII	
#132	3.1 acres	0.55	I*	100	55	73	40.2	3.1 acres			
#178	2.5 acres	0.45	IIIw	60	27	50	22.5		2.5 acres		

\*only if irrigated

TOTALS	5.6 acres	1		82	62.7			3.1 acres	2.5 acres		
								0 points	0 points		
								HIGHEST PROJECT SIZE SCORE			0 points

Project Size Scoring Table:

Class I or II		Class III		Class IV-VIII	
Acreage	Points	Acreage	Points	Acreage	Points
>80	100	>160	100	>320	100
60 to 79	90	120 to 159	90	240 to 319	80
40 to 59	80	80 to 119	80	160 to 239	60
20 to 39	50	60 to 79	70	100 to 159	40
10 to 19	30	40 to 59	60	40 to 99	20
<10	0	20 to 39	30	<40	0
		10 to 19	10		
		<10	0		

LCC Scoring: I = 100pts. IIe = 90pts. IIw = 80pts. IIIe = 70pts. IIIw = 60pts. IVe = 50pts. IVw = 40pts. V = 30pts. VIe,w = 20pts. VIIe,w = 10pts. VIII = 0pts.

URCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey and SAGE Associates field assessments, 2002.

SITE ASSESSMENT WORKSHEET

Water Resources Availability				WATER SOURCES	PROPORTION PROJECT AREA	WATER AVAILABILITY SCORE	WEIGHTED AVAILABILITY SCORE
IRRIGATED CROPS	PORTION ACRES	DRYLAND CROPS	PORTION ACRES				
None	0 acres	None	0 acres	City water at \$1,500/acre/year plus \$30,400 hook-up fee plus \$1,238 yearly readiness fee.	1	0 to 30	0 to 30
<b>TOTALS</b>					1	WATER RESOURCE SCORE	0 to 30

OPTIONS	Non-Drought Year Restrictions			Drought Year Restrictions			Water Resource Score
	Irrigation Feasible	Physical Restrictions	Economic Restrictions	Irrigation Feasible	Physical Restrictions	Economic Restrictions	
1	YES	NO	NO	YES	NO	NO	100
2	YES	NO	NO	YES	NO	YES	95
3	YES	NO	YES	YES	NO	YES	90
4	YES	NO	NO	YES	YES	NO	85
5	YES	YES	NO	YES	YES	YES	80
6	YES	YES	NO	YES	YES	NO	75
7	YES	NO	YES	YES	YES	YES	65
8	YES	NO	NO	NO			50
9	YES	YES	YES	NO			45
10	YES	YES	NO	NO			35
11	YES	YES	YES	NO			30
12	NO			rainfall adequate for dryland crops			25
13	NO			rainfall inadequate in drought years.			20
14	NO			crop production not feasible			0

SOURCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey; and SAGE Associates field assessments, 2002.

SITE ASSESSMENT WORKSHEET

Surrounding Agricultural Land and Surrounding Protected Resource Land

TOTAL ZOI ACRES	AGRICULTURE ACRES	PROTECTED RESOURCE ACRES	PERCENT IN AGRICULTURE	PERCENT IN PROTECTED RESOURCES	SURROUNDING AGRICULTURE LAND SCORE	SURROUNDING PROTECTED RESOURCE LAND SCORE
434 acres	118 acres	214 acres	28%	51%	10	60

Surrounding Agricultural Land Scoring Table

Percent of ZOI in Agriculture	Surrounding Agricultural Land Score
90-100	100
80-89	95
70-79	90
65-69	85
60-64	80
55-59	70
50-54	60
45-49	50
40-44	40
35-39	30
30-34	20
20-29	10
<19	0

Surrounding Protected Resource Land Scoring Table

Percent of ZOI Protected	Protected Resource Land Score
90-100	100
80-89	95
70-79	90
65-69	85
60-64	80
55-59	70
50-54	60
45-49	50
40-44	40
35-39	30
30-34	20
20-29	10
<20	0

SOURCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey; and SAGE Associates field assessments, 2002.



**FINAL LESA SCORESHEET**

**Land Evaluation and Site Assessment Factors**

FACTORS	FACTOR SCORES	FACTOR WEIGHT	WEIGHTED FACTOR SCORES
<b>LAND EVALUATION FACTORS</b>			
Land Capability Classification	82	0.25	20.5
Storie Index	62.7	0.25	15.7
<i>Land Evaluation Subtotal</i>		<i>0.5</i>	<i>36.2</i>
<b>SITE ASSESSMENT FACTORS</b>			
Project Size	0	0.15	0
Water Resource Availability	0 to 30	0.15	0 to 4.5
Surrounding Agricultural Land	10	0.15	1.5
Protected Resource Land	60	0.05	3
<i>Site Assessment Subtotal</i>		<i>0.5</i>	<i>4.5 to 9</i>
<b>FINAL LESA SCORE</b>			<b>40.7 to 45.2</b>

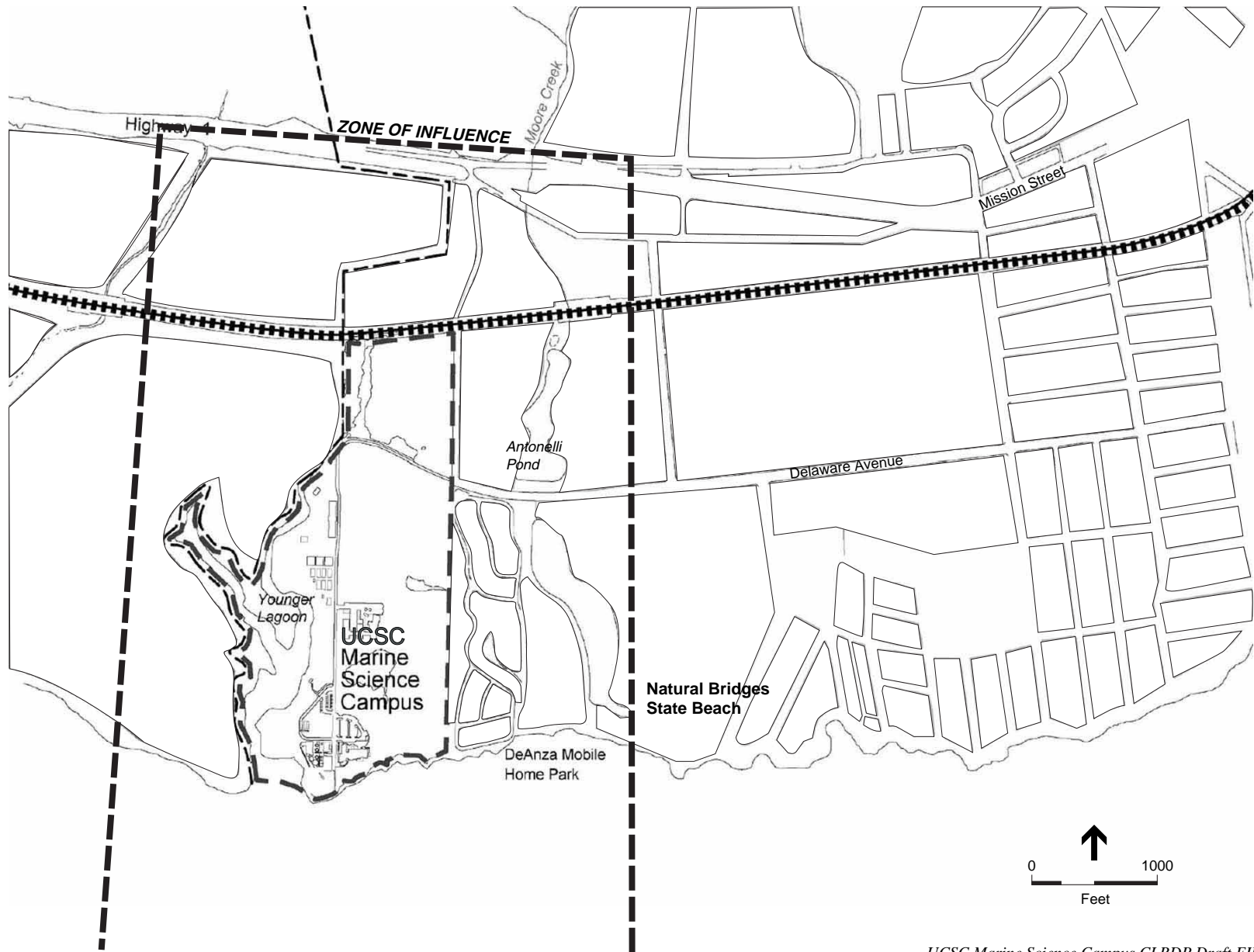
Note: Not considered a significant agricultural resource since SA subscore is less than 20 points.

**California LESA Model Scoring Thresholds**

Total LESA Score	Scoring Decision
0 to 39 Points	Not Considered Significant.
40 to 59 Points	Considered Significant only if LE and SA subscores are each greater than or equal to 20 points.
60 to 79 Points	Considered Significant unless either LE or SA subscore is less than 20 points.
80 to 100 Points	Considered Significant.

Note: LESA Model is designed to make determinations of the potential significance of a project's conversion of agricultural lands during the Initial Study phase of the CEQA review process.

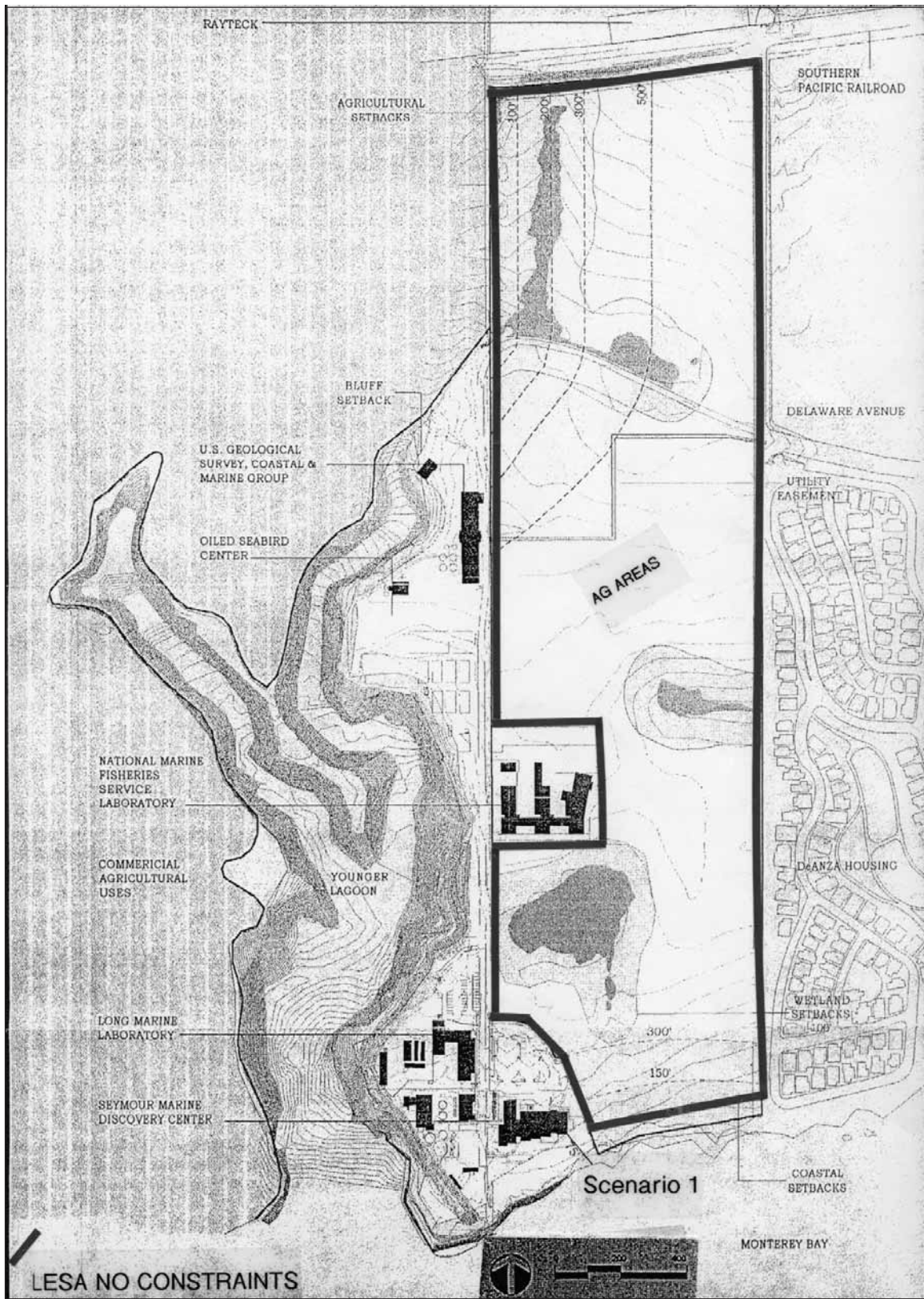
SOURCES: California Agricultural Land Evaluation and Site Assessment Model - California Department of Conservation, 1997; USDA Soil Survey; and SAGE Associates field assessments, 2002.



SOURCE: Draft CLRDP

UCSC Marine Science Campus CLRDP Draft EIR / 200385 ■

**Figure B-1**  
LESA Zone of Influence Boundary

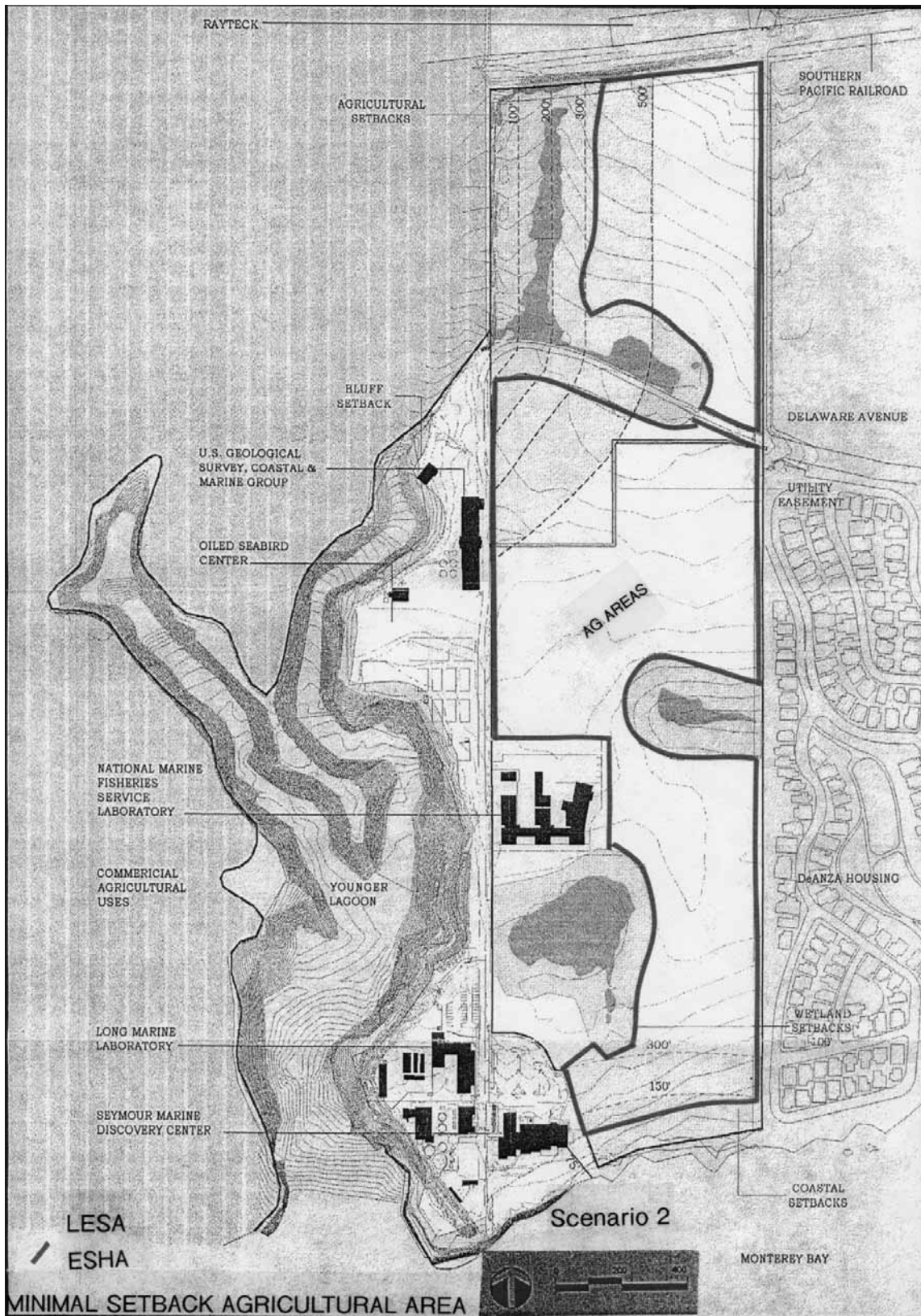


SOURCE: Sage Associates

UCSC Marine Science Campus CLRDP Draft EIR / 200385 ■

**Figure B-2**  
LESA Scenario 1: No Constraints





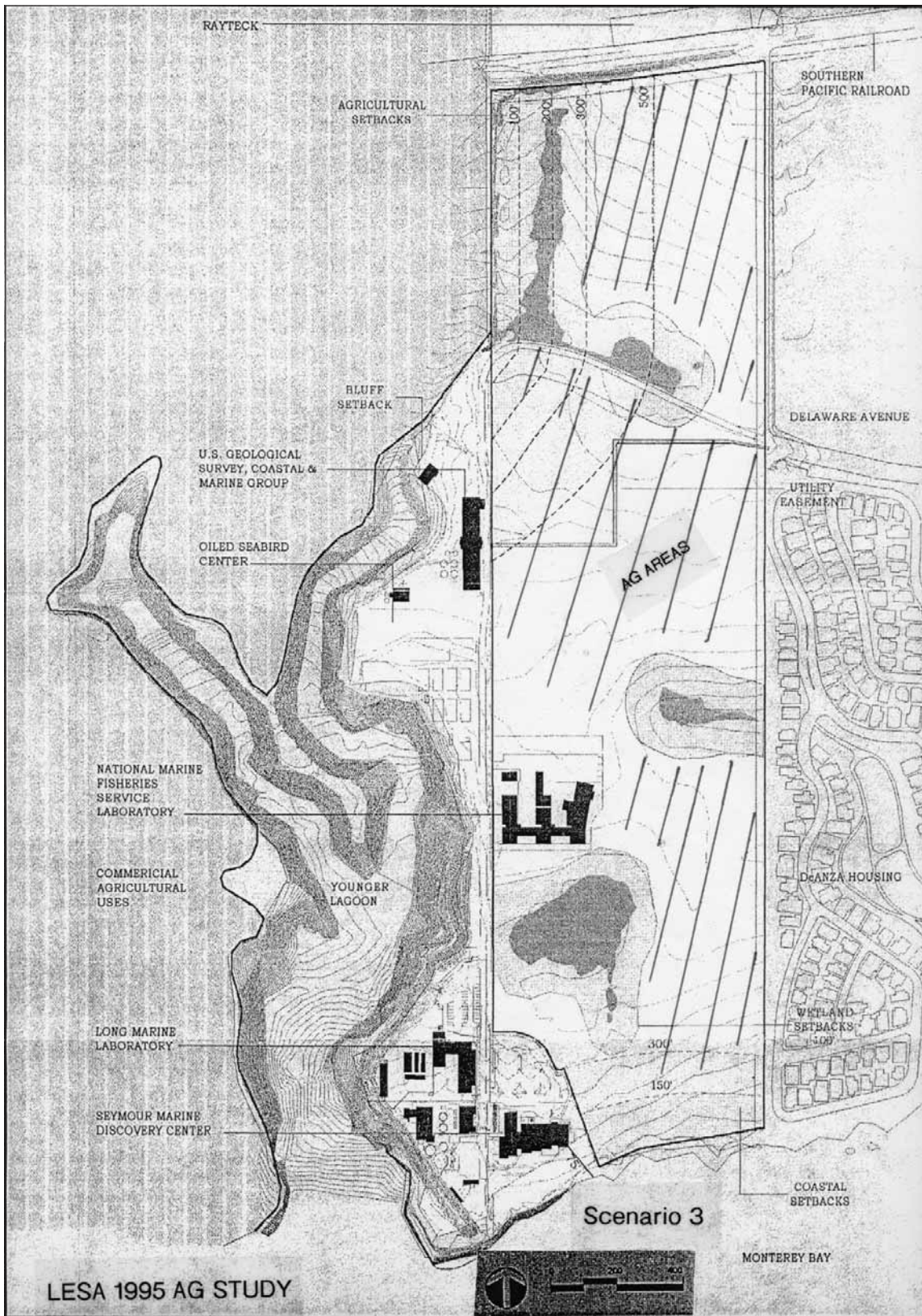
SOURCE: Sage Associates

UCSC Marine Science Campus CLRDP Draft EIR / 200385 ■

**Figure B-3**

LESA Scenario 2: 100-Foot Wetland ESHA Setback





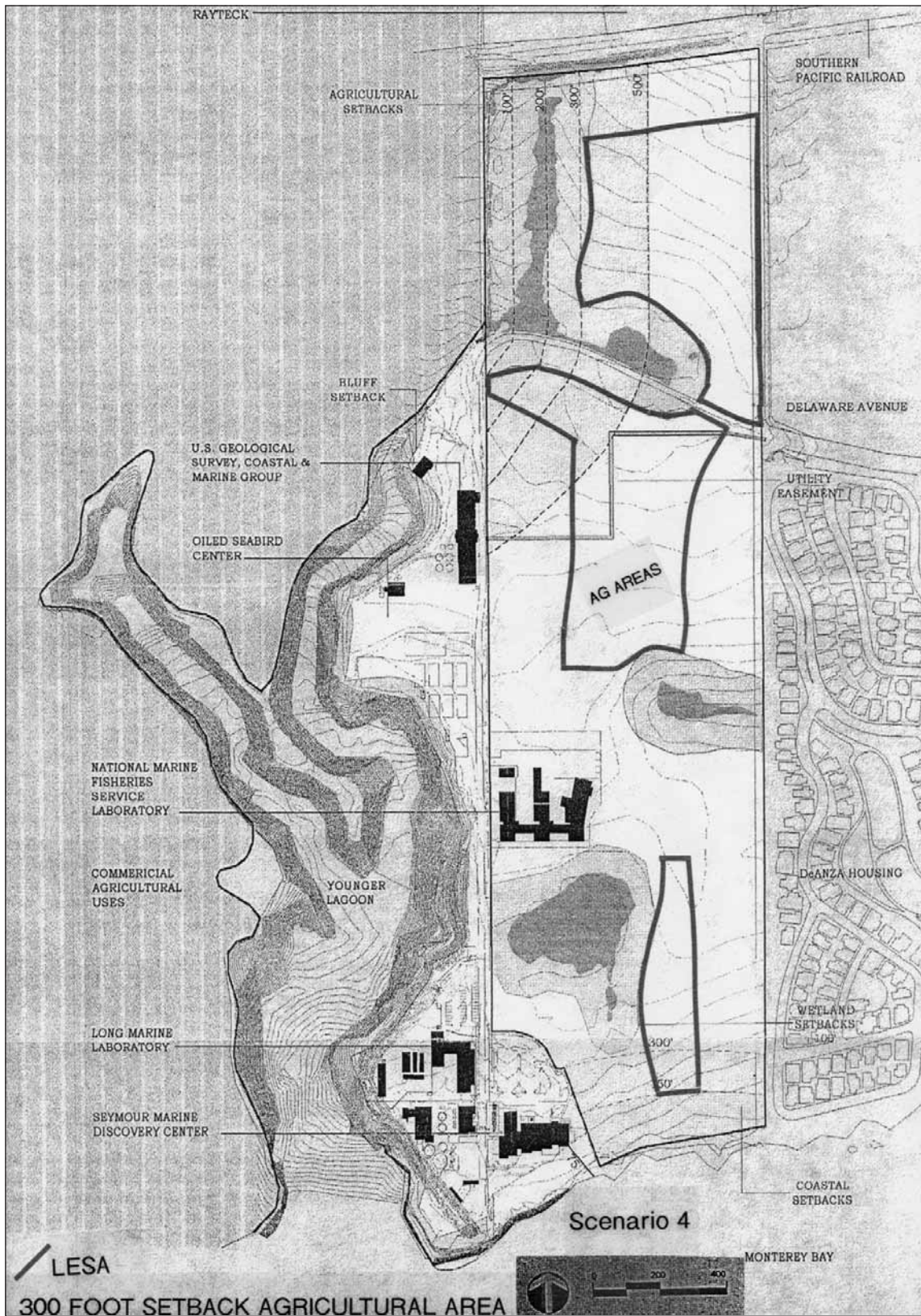
SOURCE: Sage Associates

UCSC Marine Science Campus CLRDP Draft EIR / 200385 ■

**Figure B-4**

LESA Scenario 3: 1995 Agricultural Suitability Study





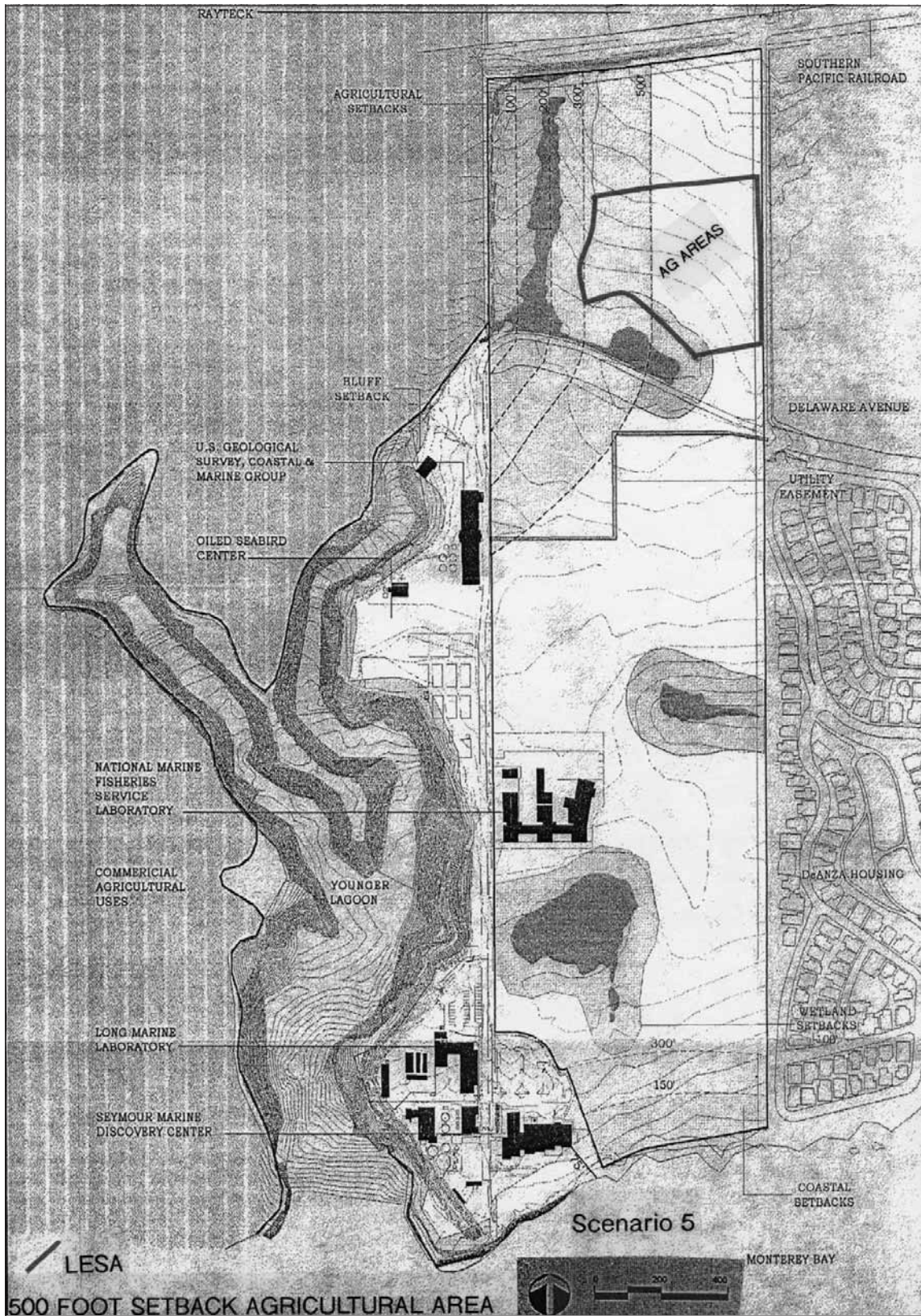
SOURCE: Sage Associates

UCSC Marine Science Campus CLRDP Draft EIR / 200385 ■

**Figure B-5**

LESA Scenario 5: 300-Foot Pesticide Use Setback





SOURCE: Sage Associates

UCSC Marine Science Campus CLRDP Draft EIR / 200385 ■

**Figure B-6**

LESA Scenario 5: 500-Foot Land Use Compatibility Setback

## **APPENDIX C**

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### **MODELING OF TAC EMISSIONS FROM DEVELOPMENT UNDER THE CLRDP**



# APPENDIX C

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## MODELING OF TAC EMISSIONS FROM DEVELOPMENT UNDER THE CLRDP

### INTRODUCTION

The incremental health risks from the project would be due to increased toxic air contaminant (TAC) emissions from the various project components. This includes TAC emissions during construction and emissions during operations. With regard to construction, emissions of TAC emissions would be released from diesel engines on construction equipment and from fugitive emissions of contaminated soil during clearing and grading activities. During operations, TAC emissions would occur from diesel vehicles servicing the site (buses and delivery trucks), from laboratory fume hoods, and from back-up diesel generators. Impacts from construction and operations were determined by conducting dispersion modeling of TAC emissions from sources related to the CLRDP and estimating the health risks at offsite receptors from the predicted TAC concentrations.

Health risks from the CLRDP were determined by conducting dispersion modeling of the TAC emissions to determine exposure levels at offsite receptors. Local meteorological data that are representative of the area were used in the dispersion modeling. The health risks for carcinogens were then estimated by multiplying the exposure concentrations by unit risk values for the toxic species of concern. These unit risk values are expressed as the probability of contracting cancer if the exposure level is one microgram per cubic meter over 24 hours per day, 365 days per year, and 70 years. The unit risk values that are used in the study were established by California Office of Environmental Health Hazard Assessment (OEHHA). This appendix presents the methodology and assumptions used to estimate exposure concentrations of TACs.

### METEOROLOGICAL DATA FOR THE DISPERSION MODELING

The project site is located within the North Central Coast Air Basin, which is comprised of Santa Cruz, Monterey, and San Benito Counties. The site is situated in the northwest sector of the Basin, in an area topographically dominated by the Santa Cruz Mountains.

The topography and climate of the Basin combine to make it an area of smog potential. During summer and fall months, onshore air currents push a marine layer of fog and relatively cool air into the coastal valleys. A warm air mass -- known as an inversion layer -- will frequently descend over the lower marine air layer, acting as a cap and inhibiting air pollutants generated near the ground from dispersing upward. Light summer and fall winds and surrounding mountains further limit the horizontal disbursement of the pollutants. Concentrating volumes of pollutants in this manner allows the summer and fall sunlight to generate high levels of smog. In the winter and spring, the general absence of deep, persistent inversion layers and occasional storms usually result in good air quality for the Basin.

The primary factors that determine air quality are the locations of air pollutant sources and the amounts of pollutants emitted. Meteorological and topographical conditions are also important factors. Atmospheric conditions such as wind speed, wind direction, and air temperature gradients interact with the physical features of the landscape to determine the movement and dispersal of air pollutants. The Monterey Bay Area climate is Mediterranean in character, with mild, rainy winter weather from November through March, variable weather from April to June, and warm, dry weather from June through October. A high percentage of sunshine prevails away from the immediate coast, particularly in the summer. Movements of marine air, which in large part determine the temperature, humidity, wind, and precipitation throughout the year, depend upon the location and strength of the dominant Pacific high-pressure system and the coastal temperature gradient. Within the Monterey Bay Area, average air temperature tends to increase as distance from the coast increases. Coastal fog is common to the project area.

In the summer, the Pacific high-pressure system typically remains near the coast of California, diverting storms to the north. Subsidence of warm air associated with the Pacific high creates frequent summer atmospheric temperature inversions. Subsidence inversions may be several hundred to several thousand feet deep, effectively trapping pollutants in a small volume of air near the ground. In the winter, the Pacific high-pressure system moves southward, allowing ocean-formed storms to move through the region. Stagnant atmospheric conditions can exist for several days between storms. During this time, frequent storms and infrequent periods of sustained sunny weather are not conducive to smog formation. Radiation cooling during the winter evenings, however, sometimes creates thin inversion layers and concentrates air pollutant emissions near the ground.

UCSC operates a meteorological tower (**Figure 1**), collecting wind and temperature data. The station is located within the southwest portion of the UCSC Marine Science Campus. Three years of meteorological data from this location were processed for use by dispersion models. Data from 1999 through 2001 were used. The average temperature was approximately 52.4°F with an average wind speed of 7.38 miles per hour and hourly maximum wind speeds of 40 miles per hour. The windiest period is during April and May. Temperatures ranged from a maximum of 75°F during August and a minimum of 36°F during December. Approximately 30 inches of precipitation occurs at this location, primarily during the months of November through March, and relative humidity tends to be greater than 60 percent.



**Figure 1. Meteorological Tower**

## METEOROLOGICAL DATA PROCESSING

The UCSC meteorological monitoring station provides information including:

- Wind speed
- Wind direction
- Ambient temperature
- Sigma theta ( $\delta_0$ ) or standard deviation of the horizontal wind direction (degrees), which was used to compute atmospheric stability

The meteorological data required by the dispersion model includes hourly, sequential values of wind speed, flow vector (direction toward which the wind is blowing), ambient temperature, atmospheric stability, and mixing height. The data processing was based on the procedures within *On-Site Meteorological Program Guidance for Regulatory Modeling Applications*. To process onsite meteorological data, the following general steps were conducted:

1. Substitution of missing data in durations of one or two hours.
2. Identification of calm wind speed hours.
3. Calculation of atmospheric stability.
4. Determination of the mixing height.

**Missing Data.** Periods of one or two consecutive hours of a missing parameter were replaced by linear interpolation. There were several periods of large blocks of missing data, most notably November and December of 2001, and these periods were left as missing. The missing program (MSGPRO) control option was set to perform dispersion modeling to account for some missing data after processing. Predicted concentrations during missing hours were set to zero by the model per EPA guidance.

**Calm Wind Speeds.** Identification of calm hours for modeling purposes was done considering the characteristics of the meteorological instrumentation. Winds were considered calm if the reported speeds were less than the instrument starting-threshold (e.g., 0.5 meters per second). The dispersion model does not calculate a concentration for hours with calm wind speeds. For any hour in which the wind speed was between the sensor starting threshold and 1 meter per second, the wind speed was set to one meter per second. Less than 3 percent of the period was reported as calm wind conditions.

**Atmospheric Stability.** A turbulence-based method was used for determining atmospheric stability. Sigma theta (the deviation in the horizontal wind direction) and wind speed measurements from the 20-meter level tower were used as the stability classification technique. Classification was based on EPA guidelines, including day, night, and wind speed correction factors. In accordance with EPA guidelines, hourly stability classes were smoothed so that the stability does not change by more than one category from one hour to the next.

**Mixing Height.** The depth of the mixed layer, or mixing height, is an important variable in dispersion models. The mixing height determines the vertical extent of the dispersion process for releases below the mixing height, while releases above the mixing height are assumed to have no ground-level impacts. Nocturnal inversions generally form at approximately sunset and dissipate about one to two hours after sunrise. Generally, the height of the mixed layer rises and falls in a diurnal cycle (highest during the early afternoon and lowest before sunrise). The mixing heights are generally lower during the fall and winter which usually results in higher impacts of constituents due to less dilution and dispersion. Estimates for morning and afternoon mixing heights (**Table 1**) are based on Holzworth's method, which interpolates mixing heights using the afternoon mixing heights from the preceding day and the morning and afternoon mixing heights from the following day (Holzworth, 1972).

**TABLE 1  
AVERAGE SEASONAL MIXING HEIGHTS**

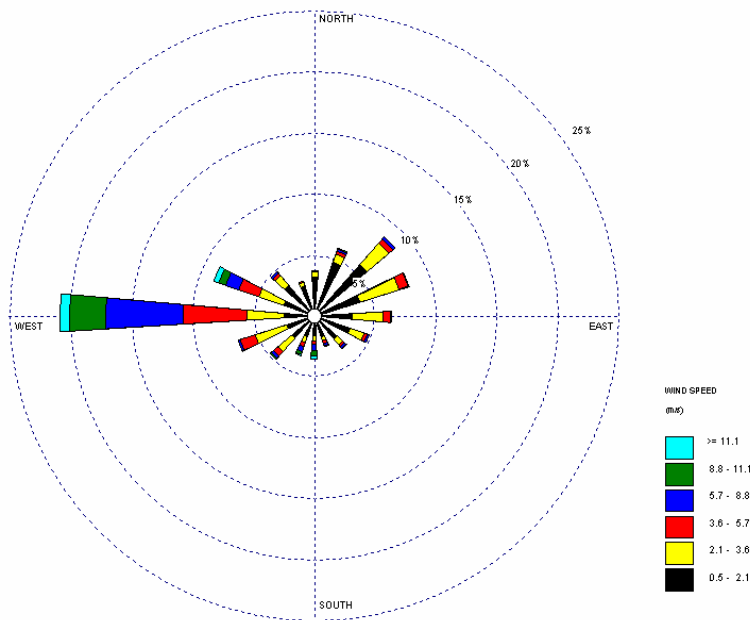
	Winter	Spring	Summer	Fall	Annual
Morning	453	763	527	508	563
Afternoon	709	1121	644	770	811

Additional assumptions in order to process the meteorological data include:

- Station Latitude of 36.95
- Station Longitude of 122.06
- Station Time Zone of 10
- Station Height of 20 meters
- Roughness Length of 0.0001 meters, based on a water surface environment

**METEOROLOGICAL DATA SUMMARY**

A wind rose is a graphical presentation of wind speed and direction frequency distribution. Wind direction is the true bearing when facing the wind (the direction from which the wind is blowing). As seen in **Figure 2**, wind directions are predominately from the west (off the Pacific Ocean). This figure is a three-year (1999 through 2001) composite windrose for the station. The winds from the easterly direction tend to be during the nighttime.



**Figure 2. Windrose for UCSC during 1999 through 2001**

The rate at which emissions are dispersed in the atmosphere depends upon the intensity of the ambient turbulence, the velocity of the wind, the position relative to obstacles in the flow field, and any dilutions attributable to the source itself. The most important factor leading to plume spread in the atmosphere is the amount of ambient turbulence. In a stable atmosphere, the horizontal and vertical turbulence is very limited. The plume remains near its emission height and undergoes minimal mixing. This situation is common during the nighttime and early morning hours. If the layer below the plume height becomes neutral to unstable, the plume mixes rapidly to the surface. This is known as a fumigation condition and can cause high concentrations. This occurs for short duration during the early morning. As heating of the surface persists, a fully unstable mixing layer develops, and the plume loops up and down in response to large-scale convective eddies. A neutral stability atmosphere yields moderate amounts of turbulence and results in a cone-shaped plume. Finally, if an inversion is present below the emission height, a lofting condition exists and the plume is cut off from ground level impacts.

Stability class frequencies were calculated from the deviation of the horizontal wind direction (sigma theta). The Sigma Theta method was used to categorize stability class as a function of wind speed and time of day. Stability classes range from extremely unstable (A) to moderately stable (F). These classes are used in dispersion models to estimate how much a plume will spread over time and space. In general, the more stable the atmosphere is, the less potential for plume spread, creating higher plume concentrations.

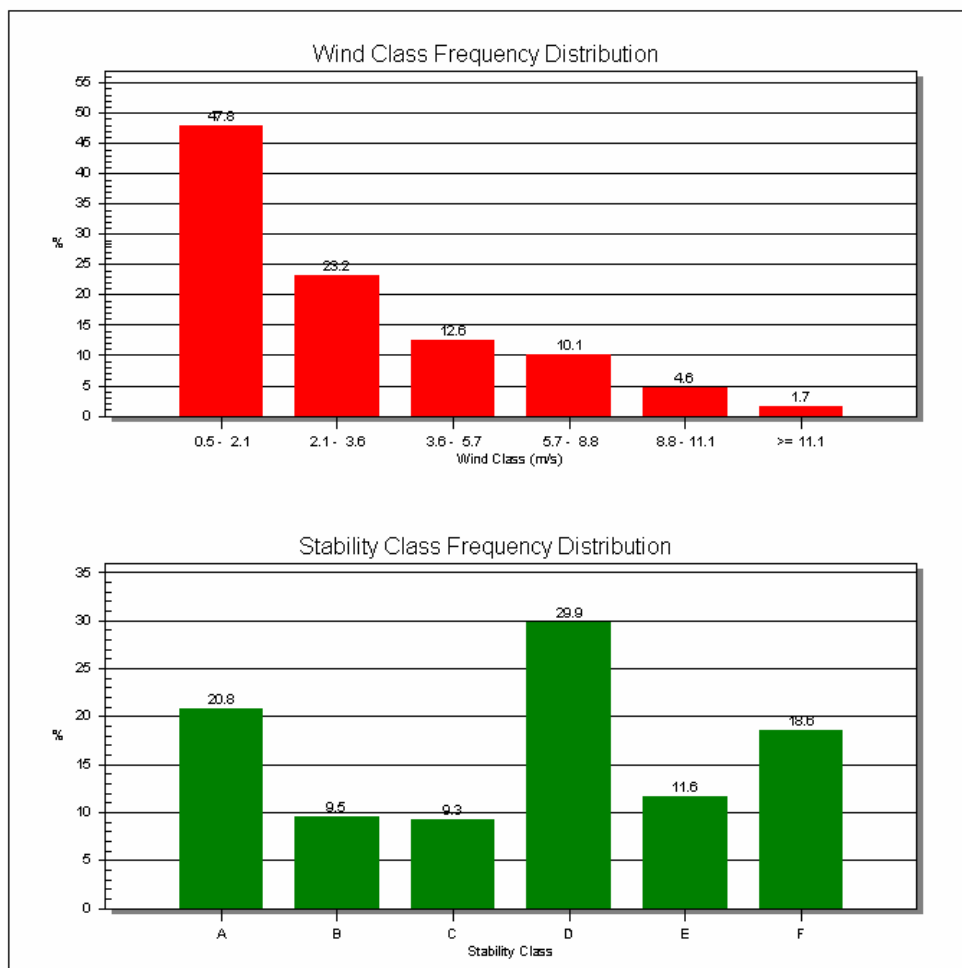
When wind speeds exceed 6.0 meters per second, the stability class defaults to D, E, and F stabilities occur only during the night. A majority of the hours involve neutral stability (D) with a predominance of stable conditions. The station shows greater frequency (**Figure 3**) of moderately stable conditions and extremely unstable conditions due to its ocean location and shallower surface roughness.

### ***DISPERSION MODELING***

Dispersion is the process by which atmospheric pollutants disseminate due to wind and vertical stability. The results of a dispersion analysis are used to assess pollutant concentrations at or near an emission source. The results of an analysis allow a direct comparison of predicted concentrations of pollutants to air quality standards.

A rising pollutant plume reacts with the environment in several ways before it levels off. First, the plume's own turbulence interacts with atmospheric turbulence to entrain ambient air. This mixing process reduces and eventually eliminates the density and momentum differences that cause the plume to rise. Second, the wind transports the plume during its rise and entrainment process. Higher winds mix the plume more rapidly, resulting in a lower final rise. Third, the plume interacts with the vertical temperature stratification of the atmosphere, rising as a result of buoyancy in the unstable-to-neutrally stratified mixed layer. However, after the plume encounters the mixing lid and the stably stratified air above, its vertical motion is dampened.

Dispersion modeling uses hourly averaged meteorological data, terrain elevation data, and emissions and source release data to compute downwind pollutant concentrations over averaging periods ranging from one hour to one year. This section presents the methodology used for the dispersion modeling analysis. The methodology is consistent with procedures documented in the EPA *Guideline on Air Quality Models (Revised, 1993)*.



**Figure 3. Wind Speed and Stability Class Frequency Distribution**

Molecules of gas or small particles injected into the atmosphere will separate from each other as they are acted on by turbulent eddies. The Gaussian mathematical model simulates the dispersion of the gas or particles within the atmosphere. The formulation of the Gaussian model is based on the following assumptions:

- The predictions are not time dependent (all conditions remain unchanging with time);
- The wind speed and direction are uniform, both horizontally and vertically throughout the region of concern;
- The rate of diffusion is not a function of position; and
- Diffusion in the direction of the transporting wind is negligible when compared to the transport flow.

The Gaussian dispersion model algorithm provides a simple analytical method of estimating downwind concentrations, where concentration is a function of several basic elements:

- Initial plume height (sum of the physical stack height and the plume rise);
- The source emission rate;

- The horizontal and vertical plume distribution (based on atmospheric stability);
- The wind speed at source height;
- The height of the receptor;
- The off-centerline of the receptor; and
- The downwind distance from the source to the receptor.

This section addresses all of the fundamental components of an air dispersion modeling analysis including:

- Model selection and options;
- Receptor spacing and location;
- Building wake effects; and
- Source release characteristics.

### **Model Selection and Options**

The Industrial Source Complex-3 (ISC3) model was used for the modeling analysis. The ISC3 model is an appropriate model for this analysis based on the coverage of simple, intermediate, and complex terrain. It also predicts both short-term and long-term (annual) average concentrations. The model was executed using the regulatory default options (stack-tip downwash, buoyancy induced dispersion, final plume rise), default wind speed profile categories, default potential temperature gradients, no deposition/depletion of particulate matter, and no pollutant decay. Building wake effects were also addressed.

The selection of the appropriate dispersion coefficients used in the modeling depends on the land use within three kilometers (km) of the project. The land use typing was based on the classification method defined by Auer (1978); using pertinent United States Geological Survey (USGS) 1:24,000 scale (7.5 minute) topographic maps of the area. If the Auer land use types of heavy industrial, light-to-moderate industrial, commercial, and compact residential account for 50% or more of the total area, the *Guideline on Air Quality Models* recommends using urban dispersion coefficients; otherwise, the appropriate rural coefficients were used. Based on visual observation of the area, rural dispersion coefficients were applied in the analysis.

### **RECEPTOR SPACING AND LOCATION**

A Cartesian receptor grid was used in the analysis. Receptors were placed at 50-meter intervals along the UCSC fence line. Outside the fence line, additional receptors were placed at distances from the fence line out to a distance of 10 kilometers in all directions from the facility. This receptor grid is adequate to determine the maximum impact location and to account for the sensitive receptors at such locations as churches, schools, and residences including the De Anza Santa Cruz residential community neighboring the campus. This receptor grid provides more than 950 receptor points within the modeling analysis.

### **BUILDING WAKE EFFECTS**

Obstructions in the flow, either upwind or downwind of the emission point, can affect both plume trajectory and dispersion rates. For an obstacle to significantly influence a plume, it must be within five to ten “obstruction heights” upwind of the emission point. For example, a building 50 feet tall could be expected to influence the flow for distances of 250 to 500 feet. Generally, the effect of the obstacle in the flow is to create an aerodynamic downwash in its wake, bringing the

plume rapidly to the surface. As the flow approaches an obstruction, the air is initially displaced upwards and those layers nearest the obstruction become caught in the aerodynamic cavity zone with high turbulence and recirculating flow pattern.

Emissions into the cavity zone tend to become rapidly mixed throughout the zone and remain trapped, creating high concentrations within the cavity zone. Above the cavity zone, in the wake zone, dispersion is characterized by increased turbulence without the recirculation characteristics of the cavity zone. A plume emitted into either of the obstacle influenced zones will have a trajectory that brings it rapidly to the surface. To escape the downwash influences of a flow obstacle, a plume should be emitted or should rise due to momentum to a height of at least the obstacle height plus 1.5 times the height or width of the obstacle, whichever is less. This is known as the “good engineering practice” stack height.

To determine the potential for building wake effects, a good engineering practice (GEP) stack height evaluation was conducted. The procedures used in this analysis were according to those described in EPA’s *Good Engineering Practice Stack Height (Technical Support Documentation for the Stack Height Regulations—Revised, 1985)*.

Building wake effects influence emissions from stacks with heights less than GEP. The model required input of building heights and projected building widths for 36 wind directions. The EPA Building Profile Input Program was used to determine the direction-specific building dimensions. Buildings or other structures located within a distance of 5 times the building height from each emission source were considered. Building heights within the UCSC campus were estimated as high as 11 meters with lateral dimensions based on facility drawings.

### ***SOURCE RELEASE CHARACTERISTICS***

The dispersion modeling was completed to assess pollutant impacts from three conditions: construction, diesel emitting equipment during operations, and laboratory operations. Construction included the operation of grading and surface preparation equipment and the release of fugitive dust from the soil during preparation. The second condition represents the operation of diesel emitting equipment during facility operations, such as emergency generators and delivery/bus traffic. Lastly, the operation of laboratory facility and the emission of toxic air pollutants were analyzed.

Construction emissions are due to the use of grading equipment (producing diesel particulate matter) and fugitive emissions from the disturbance area (producing particulate matter only). **Table 2** displays the disturbance areas included in the analysis. The construction equipment emission factor is based on EPA Compilation of Air Pollutant Emission Factors (AP-42). Emissions assume the use of a wheeled loader (0.17 pounds per hour) for duration of eight hours per day.

In addition to construction vehicle emissions, fugitive dust would also be generated during grading and construction activities. Dust is generated when grading equipment breaks down surface materials. The resulting dust is entrained into the air by wind and vehicle tires. While much of this airborne dust would settle out on, or near, the project site, smaller particles would remain in the atmosphere, increasing existing particulate levels.



**TABLE 2**  
**MODELING EMISSION PARAMETERS (CONSTRUCTION CONDITION)**

Year	Terrace	Area of Disturbance	Size (acre)	Diesel PM (lbs/day)	PM (lbs/day)	UTM-X (m)	UTM-Y (m)
2010	Upper	Laydown	1.96	1.36	0.98	583,327	4,089,969
	Middle	USGS	4.16	1.36	2.08	583,260	4,089,678
	Lower	Ocean Health	0.20	1.36	0.10	583,201	4,089,438
2020	Upper	Housing	1.37	1.36	0.69	583,363	4,089,930
	Middle	Marine Research	3.59	1.36	1.80	583,266	4,089,765
	Lower	Marine Research	0.51	1.36	0.26	583,248	4,089,432

PM = particulate matter  
lbs = pounds  
m = meters

The acreage of disturbance is assumed to be equal to twice the size of each building's square footage, but only 25 percent of the total acreage to be disturbed will actually be disturbed on the worst-case day. Fugitive emissions are based on an emission factor of 220 pounds per acre-month. The acres graded per day are based on the same acreage estimates generated for the grading equipment exhaust. Fugitive particulate emissions account for a control efficiency of 80% due to watering and dust suppression applications. Construction is expected to be completed within two periods, 2010 (short-term) and 2020 (long-term).

During facility operations, diesel emissions would be produced through the emergency generators and delivery/bus traffic. Diesel emissions from the generators were based on an equipment size of 388 hp-hr and an emission factor of 0.08 grams/hp-hr. Generators were located near the Marine Research within the middle terrace, the USGS Labs within the middle terrace, and the Marine Research within the lower terrace. The emission exhaust parameters for the generators are shown in **Table 3**. Delivery and bus traffic used an emission rate of 0.134 grams per mile based on URBEMIS2001, urban diesel buses, and a baseline year of 2010. Traffic was simulated as five area sources from the northeast portion of campus (Shaffer Road), along the middle terrace, to the southwest portion of campus (along McAllister Way).

Toxic air pollutants would be released during operations of several research laboratories. A series of emission points were developed to simulate laboratory emissions. These emission points included the Marine Research, USGS, and Ocean Health Laboratories. The Marine Research and USGS Laboratories were further portioned into large and small complexes. **Table 4** displays the source exhaust parameters for laboratory operations. Impacts also include the cumulative effect of the Texas Instruments facility, located approximately 1 kilometer to the east of UCSC. Building dimensions of each laboratory structure were included to account for potential downwash effects.

**TABLE 3  
MODELING EMISSION PARAMETERS (OPERATION CONDITION)**

<b>Generator</b>	<b>Height (m)</b>	<b>Diameter (m)</b>	<b>Velocity (m/s)</b>	<b>Temperature (K)</b>	<b>UTM-X (m)</b>	<b>UTM-Y (m)</b>
Middle Terrace Marine Research	3.35	0.076	150	763	583,328	4,089,785
Middle Terrace USGS Labs	3.35	0.076	150	763	583,328	4,089,701
Lower Terrace Marine Research	3.35	0.076	150	763	583,286	4,089,451

m = meters  
m/s = meters per second  
K = Kelvin

**TABLE 4  
MODELING EMISSION PARAMETERS (LABORATORY OPERATION)**

<b>Laboratory</b>	<b>Height (m)</b>	<b>Diameter (m)</b>	<b>Velocity (m/s)</b>	<b>Temperature (K)</b>
Marine Research (Large)	12.0	1.0	15.0	293
Marine Research (Small)	12.0	1.0	12.0	293
USGS (Large)	12.0	1.0	12.0	293
USGS (Small)	12.0	1.0	12.0	293
Ocean Health	12.0	1.0	12.0	293
Texas Instruments	7.0	1.0	15.0	293

m = meters  
m/s = meters per second  
K = Kelvin

## Modeling Results

The objective of the dispersion modeling analysis was to determine the particulate matter, diesel particulate, and toxic air pollutant impacts at nearby receptors. All dispersion modeling was performed using the ISC3 model. Three conditions were analyzed: construction, diesel emitting equipment during operations, and laboratory operations. Cumulative impacts included the operations of the Texas Instruments facility, located approximately 1 kilometer to the northeast of UCSC, on Delaware and Natural Bridges roads. Given the prevailing winds, maximum impacts occur due east of the Marine Science Campus.

**Table 5** presents the predicted concentrations due to construction scenario. Impacts were adjusted based on anticipated construction schedules (12 hours per day, 6 days per week) and duration (2 months per year) for each construction area. Maximum impacts occur along the eastern fence line.

**TABLE 5  
DISPERSION MODELING RESULTS (CONSTRUCTION CONDITION)**

Pollutant	Averaging Period	Impact ( $\mu\text{g}/\text{m}^3$ )
Respirable Particulate Matter	24 hour	26.3
	Annual	1.04
Diesel Particulate Matter	Max. Lifetime Avg.	0.007

$\mu\text{g}/\text{m}^3$  = micrograms per cubic meter

**Table 6** presents the predicted concentration due to the operation of emergency generators and delivery/bus traffic along campus roads. It was assumed that there would be three emergency generators, with a total of 30 hrs. per year of testing. A majority of the impacts are due to the diesel buses and delivery trucks related to the project.

**TABLE 6  
DISPERSION MODELING RESULTS (OPERATION CONDITION)**

Pollutant	Source	Annual Avg. ( $\mu\text{g}/\text{m}^3$ )
Diesel Particulate Matter	Emergency Gen. Tests	0.0011
	Buses and Trucks	0.017
	<b>Total</b>	<b>0.0181</b>

$\mu\text{g}/\text{m}^3$  = micrograms per cubic meter

Concentration impacts were predicted due to laboratory operations. These results are based on a unit emission rate for each of the emission points. Actual impacts were determined for each pollutant of concern based on their actual emission rate. The impacts include operation of the Texas Instruments facility.

## **APPENDIX D**

### **TRANSPORTATION TECHNICAL DOCUMENTATION**

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# **APPENDIX D-1**

## **INTERSECTION COUNTS AND ROADWAY SEGMENT COUNTS**

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1 - Western and Highway 1

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	2	8	17	4	76	18	5	8	1	0	40	2	181*
07:30	5	15	41	9	161	30	6	9	1	0	88	4	369*
07:45	6	20	69	20	225	43	11	13	4	4	163	7	585*
08:00	7	32	94	33	308	65	11	20	8	8	232	11	829
08:15	10	47	107	48	325	72	9	20	10	9	248	14	919
08:30	11	54	118	67	325	83	11	28	10	10	259	17	993
08:45	16	61	114	79	326	87	9	32	9	10	239	19	1001
09:00	19	74	120	95	325	92	16	36	7	11	249	24	1068

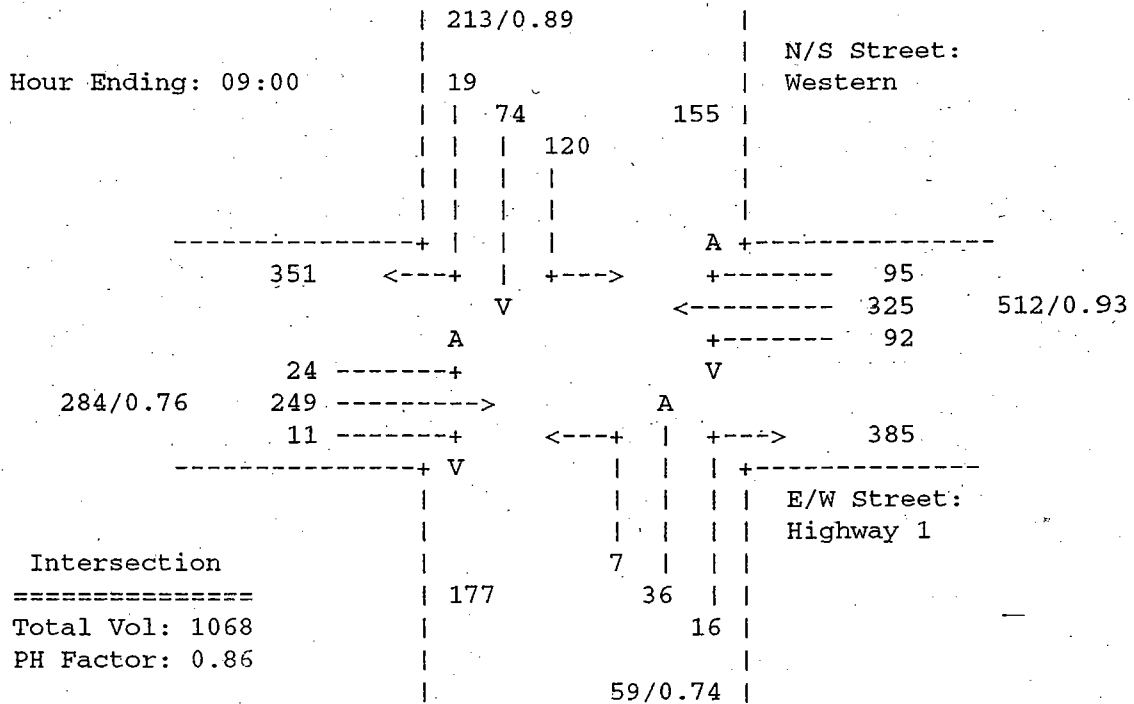
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #5  
Thursday

SUM-IT  
COUNT DATE  
05/24/01

1 - Western and Highway 1

MORNING PEAK









1 - Grandview/Swift and Mission

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	4	6	9	2	96	61	9	2	8	1	63	1	262*
07:30	5	11	21	2	181	119	61	4	17	7	134	1	563*
07:45	5	20	39	7	249	187	98	10	28	18	208	1	870*
08:00	5	27	50	10	340	256	130	16	44	29	288	1	1196
08:15	1	38	52	14	323	258	176	22	55	46	306	0	1291
08:30	1	42	56	22	349	283	161	29	72	57	306	0	1378
08:45	1	44	45	25	379	280	153	30	77	63	300	0	1397
09:00	2	42	50	30	394	270	160	29	82	68	298	0	1425

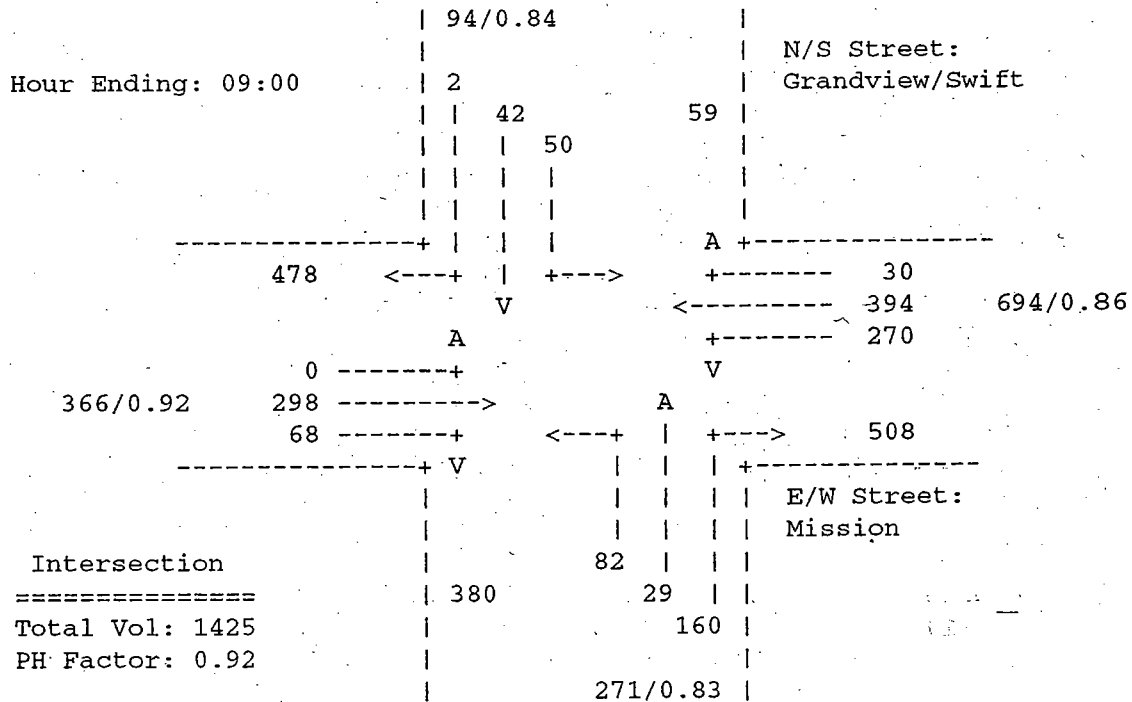
\* indicates partial hour total.

City of Santz Cruz - UCSC Long Marine Lab #7  
Thursday

SUM-IT  
COUNT DATE  
05/17/01

1 - Grandview/Swift and Mission

MORNING PEAK



1 - Grandview/Swift and Mission

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int.
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	Total
16:15	0	3	11	17	98	48	51	11	17	21	131	3	411*
16:30	1	8	24	29	203	98	95	18	32	36	274	4	822*
16:45	1	18	33	39	304	153	143	22	52	54	412	4	1235*
17:00	1	22	41	58	395	210	188	29	71	71	527	6	1619
17:15	4	27	38	55	385	216	191	38	73	68	508	5	1608
17:30	4	25	42	57	388	216	198	43	70	68	492	4	1607
17:45	4	23	45	67	392	226	194	51	67	59	473	5	1606
18:00	4	25	50	62	419	219	190	60	71	57	450	6	1613

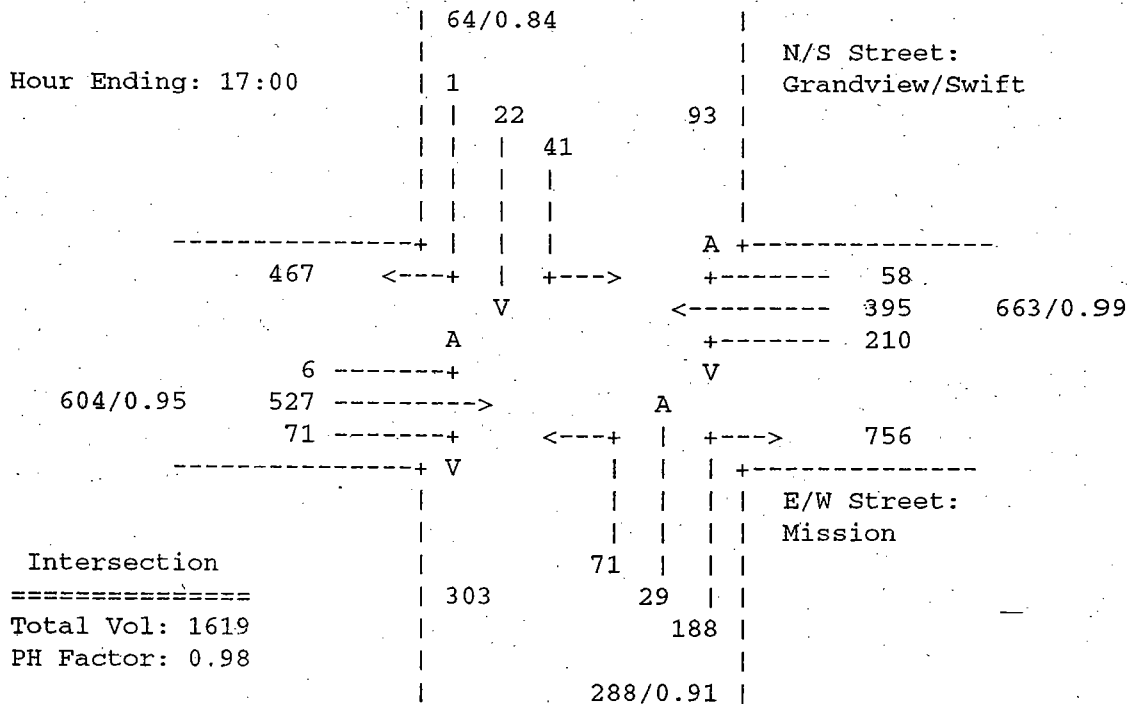
\* indicates partial hour total.

City of Santz Cruz - UCSC Long Marine Lab #7  
Tuesday

SUM-IT  
COUNT DATE  
05/22/01

1 - Grandview/Swift and Mission

EVENING PEAK



1 - Younglove and Mission

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	0	0	0	163	20	17	0	6	10	151	0	367*
07:30	0	0	0	0	302	35	29	0	16	23	279	0	684*
07:45	0	0	0	0	457	62	41	0	27	27	439	0	1053*
08:00	0	0	0	0	581	84	53	0	36	33	577	0	1364
08:15	0	0	0	0	576	94	50	0	42	31	573	0	1366
08:30	0	0	0	0	577	100	44	0	38	26	563	0	1348
08:45	0	0	0	0	585	96	46	0	39	34	517	0	1317
09:00	0	0	0	0	600	100	44	0	53	39	498	0	1334

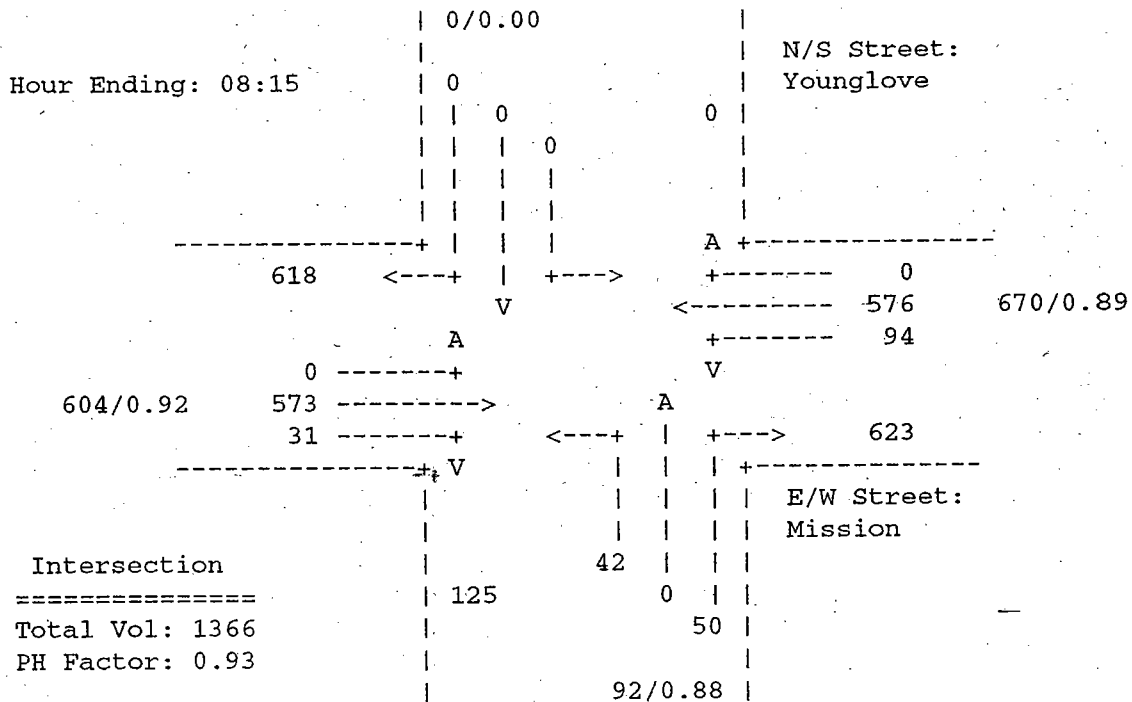
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #13a  
 Tuesday  
 Clear and warm

SUM-IT  
 COUNT DATE  
 05/22/01

1 - Younglove and Mission

MORNING PEAK



1 - Almar and Mission

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	0	0	0	163	20	38	0	5	10	151	0	387*
07:30	0	0	0	0	302	35	62	0	16	23	279	0	717*
07:45	0	0	0	0	457	62	108	0	35	27	439	0	1128*
08:00	0	0	0	0	581	84	139	0	48	33	577	0	1462
08:15	0	0	0	0	576	94	141	0	60	31	573	0	1475
08:30	0	0	0	0	577	100	143	0	60	26	563	0	1469
08:45	0	0	0	0	585	96	131	0	56	34	517	0	1419
09:00	0	0	0	0	600	100	123	0	56	39	498	0	1416

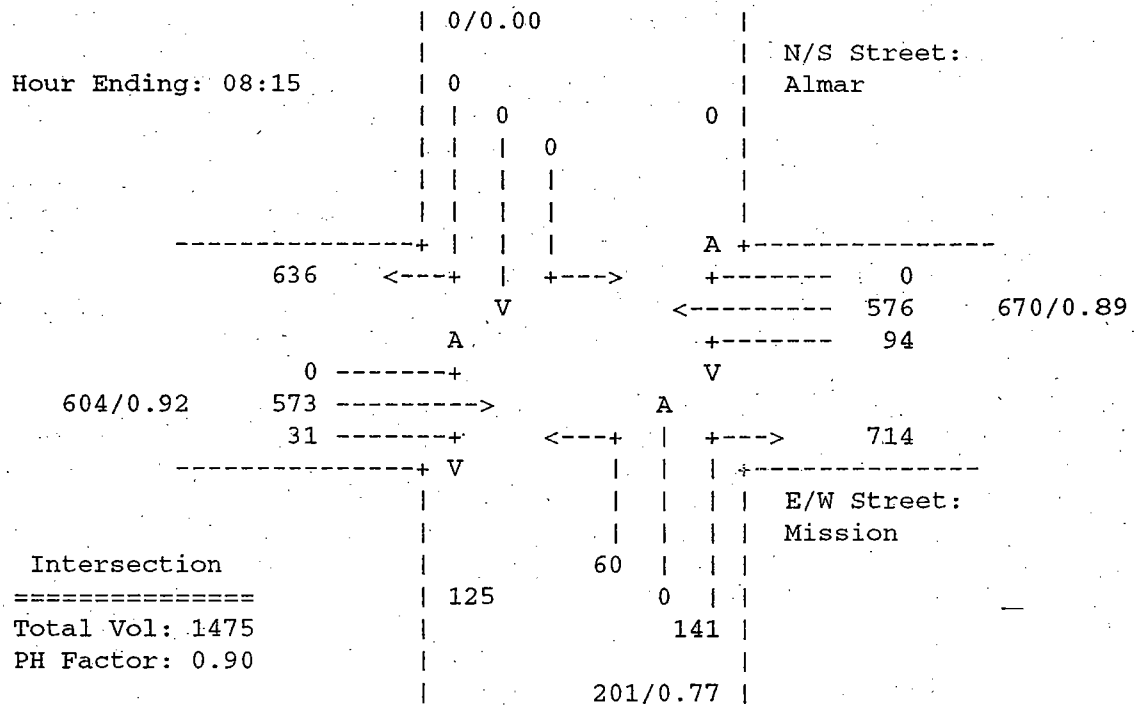
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #13b  
 Tuesday  
 Clear and warm

SUM-IT  
 COUNT DATE  
 05/17/01

1 - Almar and Mission

MORNING PEAK



1 - Younglove/Almar and Mission

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	0	0	0	163	20	55	0	11	10	151	0	410*
07:30	0	0	0	0	302	35	91	0	32	23	279	0	762*
07:45	0	0	0	0	457	62	149	0	62	27	439	0	1196*
08:00	0	0	0	0	581	84	192	0	84	33	577	0	1551
08:15	0	0	0	0	576	94	191	0	102	31	573	0	1567
08:30	0	0	0	0	577	100	187	0	98	26	563	0	1551
08:45	0	0	0	0	585	96	177	0	95	34	517	0	1504
09:00	0	0	0	0	600	100	167	0	109	39	498	0	1513

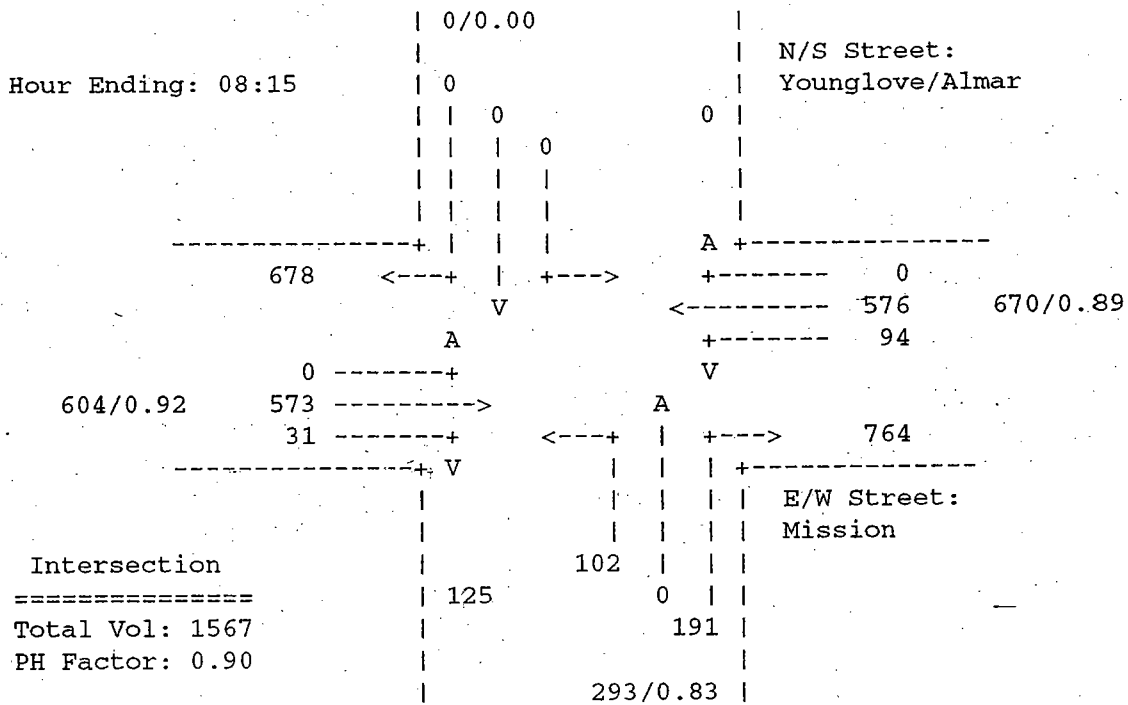
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #13c  
 Tuesday  
 Clear and warm

SUM-IT  
 COUNT DATE  
 05/17/01

1 - Younglove/Almar and Mission

MORNING PEAK



1 - Younglove and Mission

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	0	0	0	0	148	47	3	0	11	11	169	0	389*
16:30	0	0	0	0	310	93	15	0	21	24	362	0	825*
16:45	0	0	0	0	460	153	23	0	27	31	532	0	1226*
17:00	0	0	0	0	619	201	32	0	39	42	681	0	1614
17:15	0	0	0	0	624	208	38	0	37	38	702	0	1647
17:30	0	0	0	0	633	211	45	0	38	39	668	0	1634
17:45	0	0	0	0	665	208	46	0	39	40	653	0	1651
18:00	0	0	0	0	706	216	49	0	39	39	643	0	1692

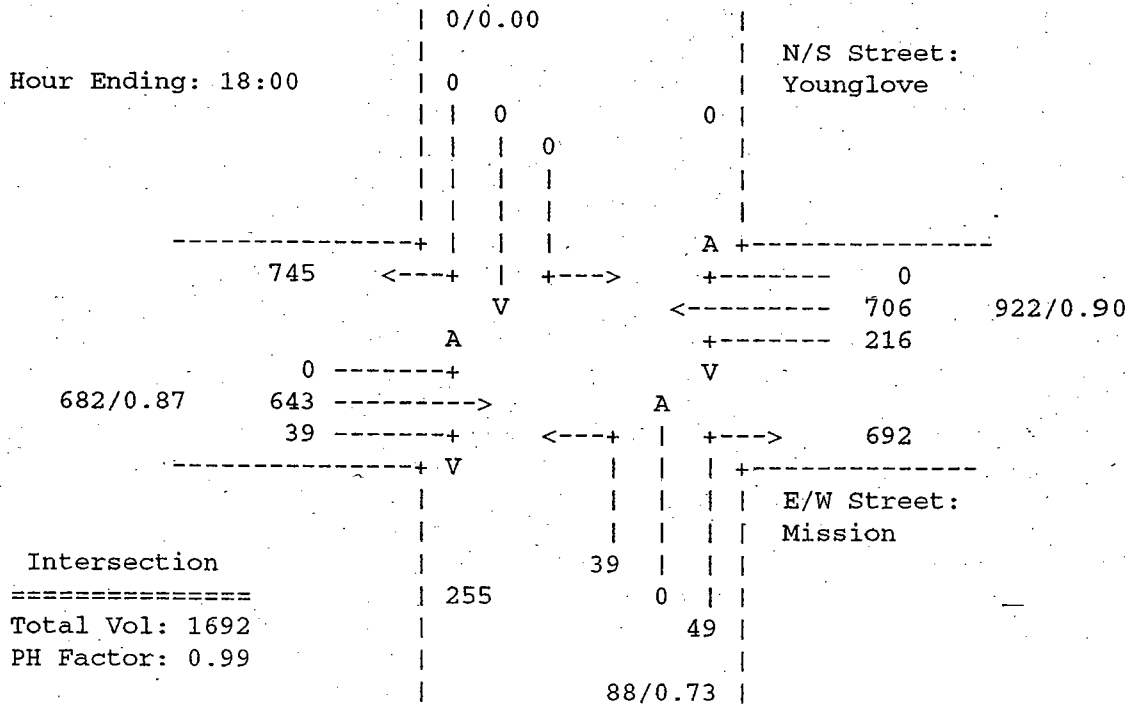
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #13a  
 Tuesday  
 Clear and warm

SUM-IT  
 COUNT DATE  
 05/22/01

1 - Younglove and Mission

EVENING PEAK



1 - Almar and Mission

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	0	0	0	0	148	47	38	0	16	11	169	0	429*
16:30	0	0	0	0	310	93	71	0	39	24	362	0	899*
16:45	0	0	0	0	460	153	100	0	48	31	532	0	1324*
17:00	0	0	0	0	619	201	136	0	69	42	681	0	1748
17:15	0	0	0	0	624	208	134	0	83	38	702	0	1789
17:30	0	0	0	0	633	211	149	0	94	39	668	0	1794
17:45	0	0	0	0	665	208	158	0	112	40	653	0	1836
18:00	0	0	0	0	706	216	158	0	111	39	643	0	1873

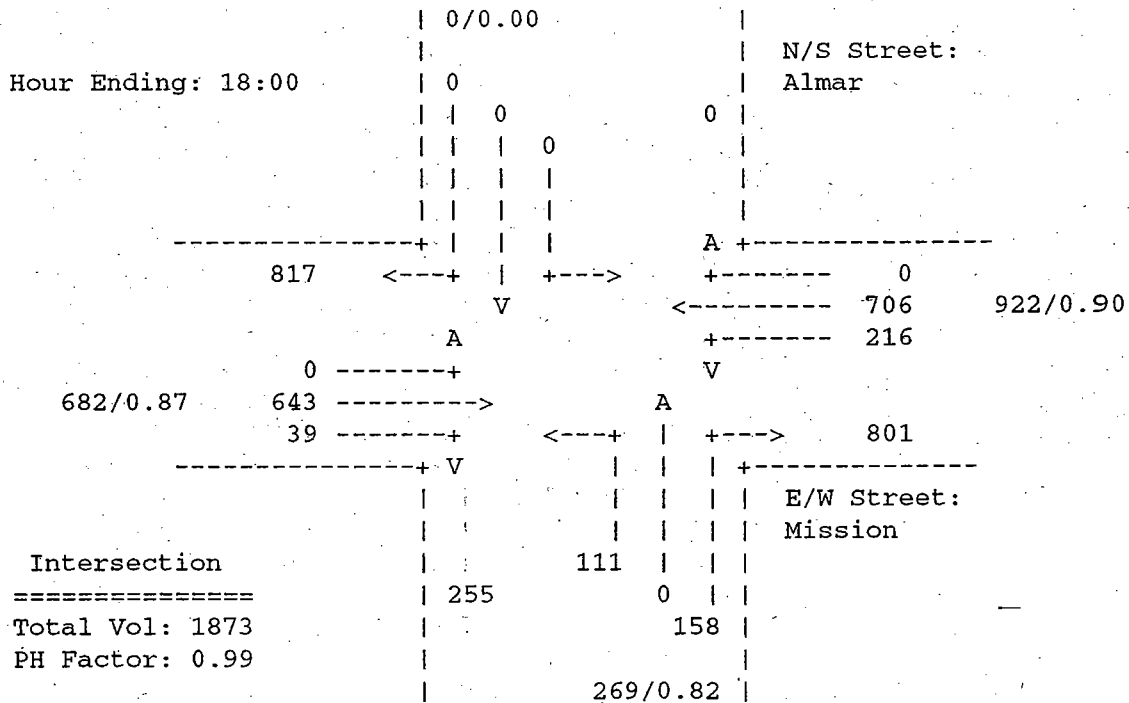
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #13b  
 Tuesday  
 Clear and warm

SUM-IT  
 COUNT DATE  
 05/22/01

1 - Almar and Mission

EVENING PEAK



1 - Younglove/Almar and Mission

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	0	0	0	0	148	47	41	0	27	11	169	0	443*
16:30	0	0	0	0	310	93	86	0	60	24	362	0	935*
16:45	0	0	0	0	460	153	123	0	75	31	532	0	1374*
17:00	0	0	0	0	619	201	168	0	108	42	681	0	1819
17:15	0	0	0	0	624	208	172	0	120	38	702	0	1864
17:30	0	0	0	0	633	211	194	0	132	39	668	0	1877
17:45	0	0	0	0	665	208	204	0	151	40	653	0	1921
18:00	0	0	0	0	706	216	207	0	150	39	643	0	1961

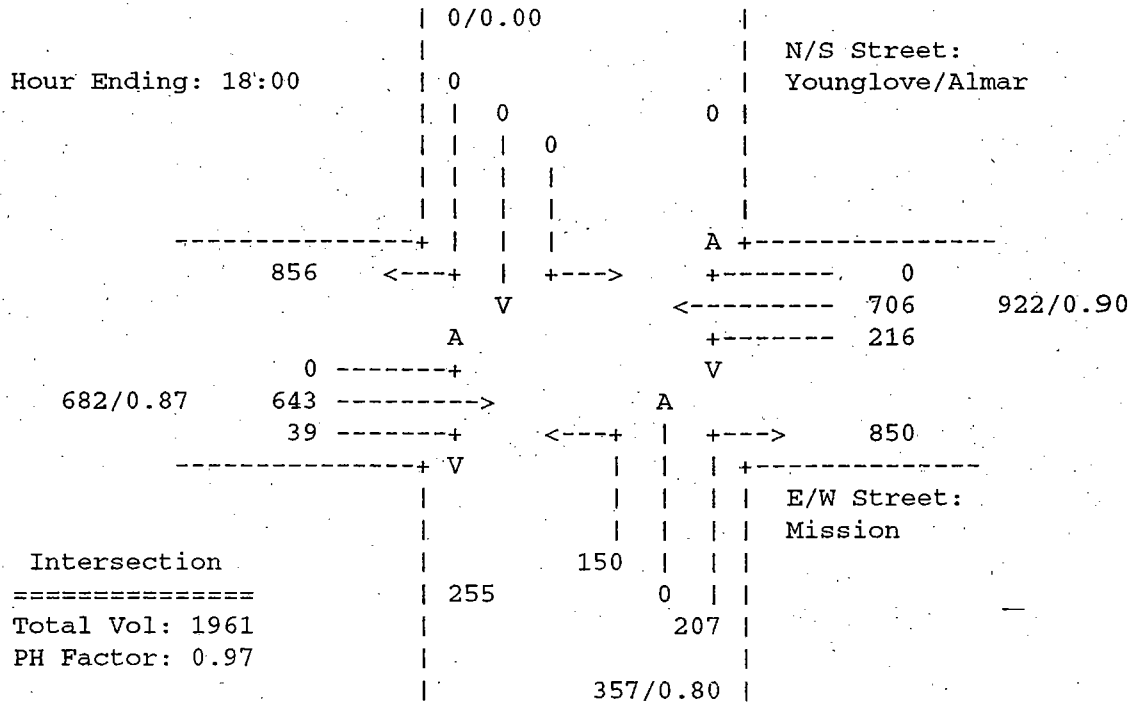
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #13c  
 Tuesday  
 Clear and warm

SUM-IT  
 COUNT DATE  
 05/22/01

1 - Younglove/Almar and Mission

EVENING PEAK





1 - Bay and Mission

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	10	13	35	17	204	5	19	11	4	5	150	4	477*
07:30	17	33	68	37	385	14	42	28	8	16	286	17	951*
07:45	33	54	97	56	519	28	63	55	22	21	446	36	1430*
08:00	45	92	136	78	661	42	79	86	36	38	600	68	1961
08:15	47	125	131	76	590	61	73	117	50	62	602	81	2015
08:30	50	151	119	72	541	68	66	133	70	60	634	95	2059
08:45	58	167	122	76	535	62	61	136	77	69	610	96	2069
09:00	61	158	111	70	505	60	54	147	83	72	595	82	1998

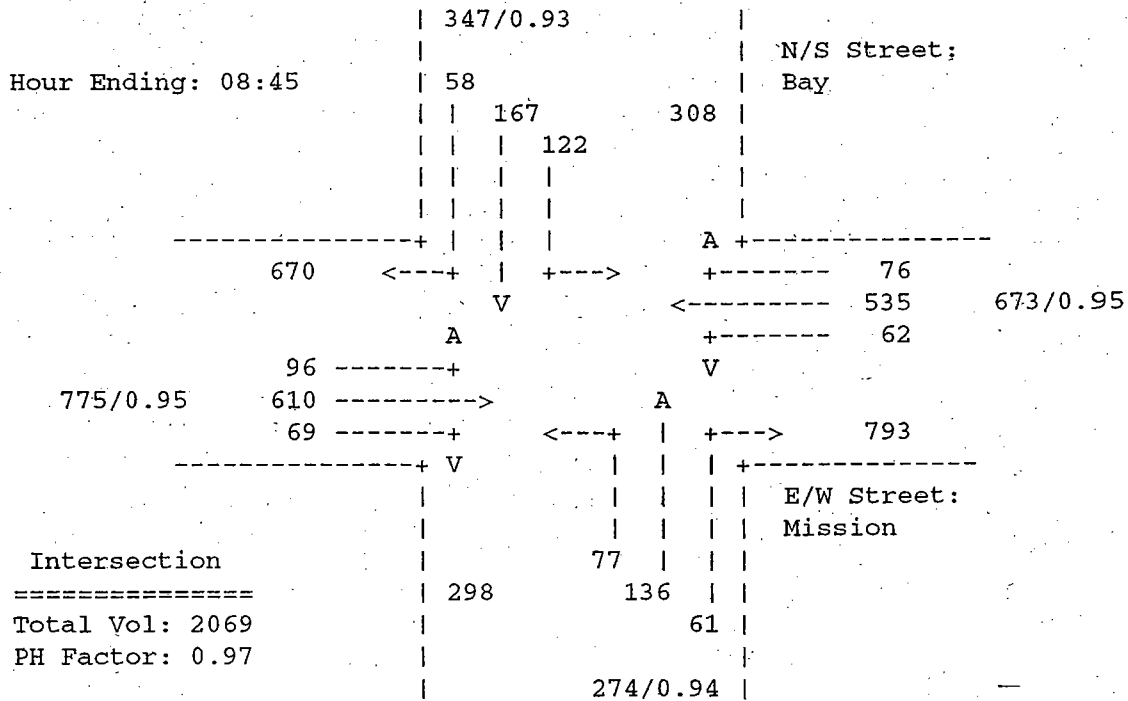
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #15  
Thursday

SUM-IT  
COUNT DATE  
05/10/01

1 - Bay and Mission

MORNING PEAK



1 - Bay and Mission

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	18	45	63	37	159	21	16	35	31	18	185	26	654*
16:30	45	86	127	82	324	44	26	62	50	30	358	60	1294*
16:45	71	122	171	127	492	66	45	99	73	48	524	82	1920*
17:00	87	158	228	185	670	99	51	133	97	67	696	124	2595
17:15	94	162	255	201	662	99	46	141	81	70	719	131	2661
17:30	100	174	274	214	670	100	54	150	96	83	723	127	2765
17:45	117	169	292	210	679	107	47	159	89	83	735	129	2816
18:00	128	170	290	197	689	105	66	157	86	74	781	117	2860

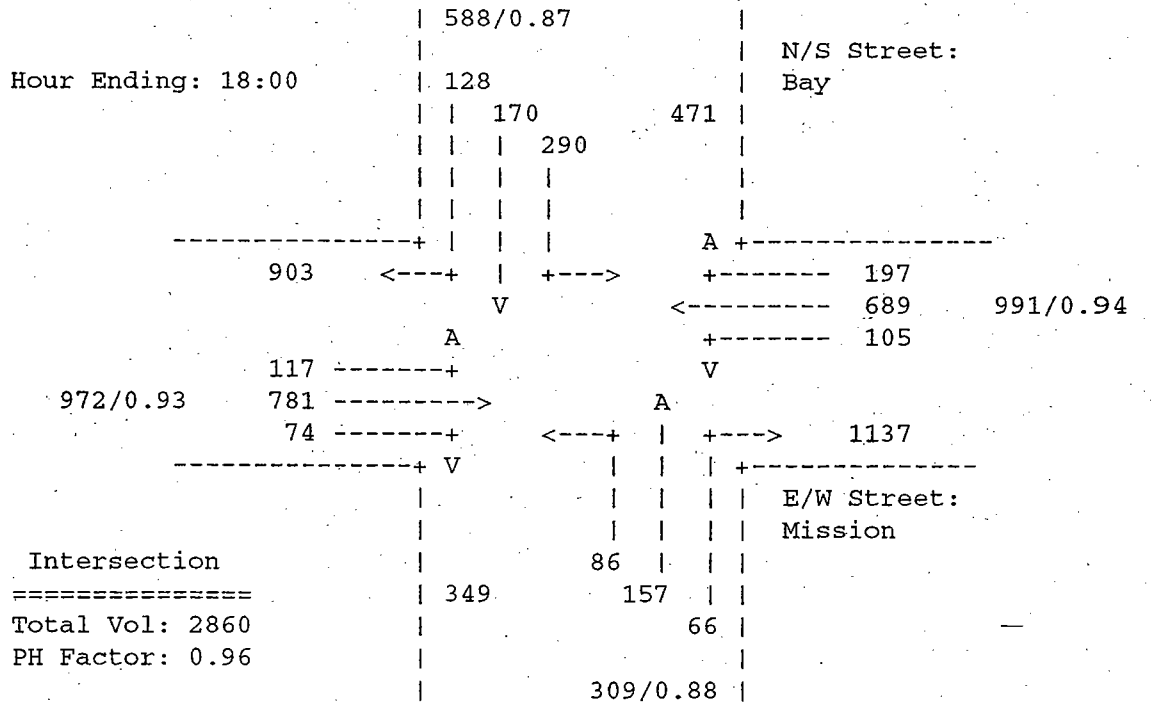
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #15  
Thursday

SUM-IT  
COUNT DATE  
05/10/01

1 - Bay and Mission

EVENING PEAK



1 - Bay Dr. and King

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	3	46	10	10	11	3	3	34	1	2	19	2	144*
07:30	4	95	32	22	19	11	7	80	3	2	39	7	321*
07:45	7	158	68	46	54	26	24	190	4	7	86	15	685*
08:00	13	223	94	68	94	51	36	291	6	13	136	23	1048
08:15	16	256	108	83	132	70	45	369	6	14	144	31	1274
08:30	20	270	128	95	163	84	49	417	6	19	150	34	1435
08:45	23	273	121	99	176	85	46	384	8	24	135	32	1406
09:00	24	277	116	105	198	77	40	388	11	22	125	29	1412

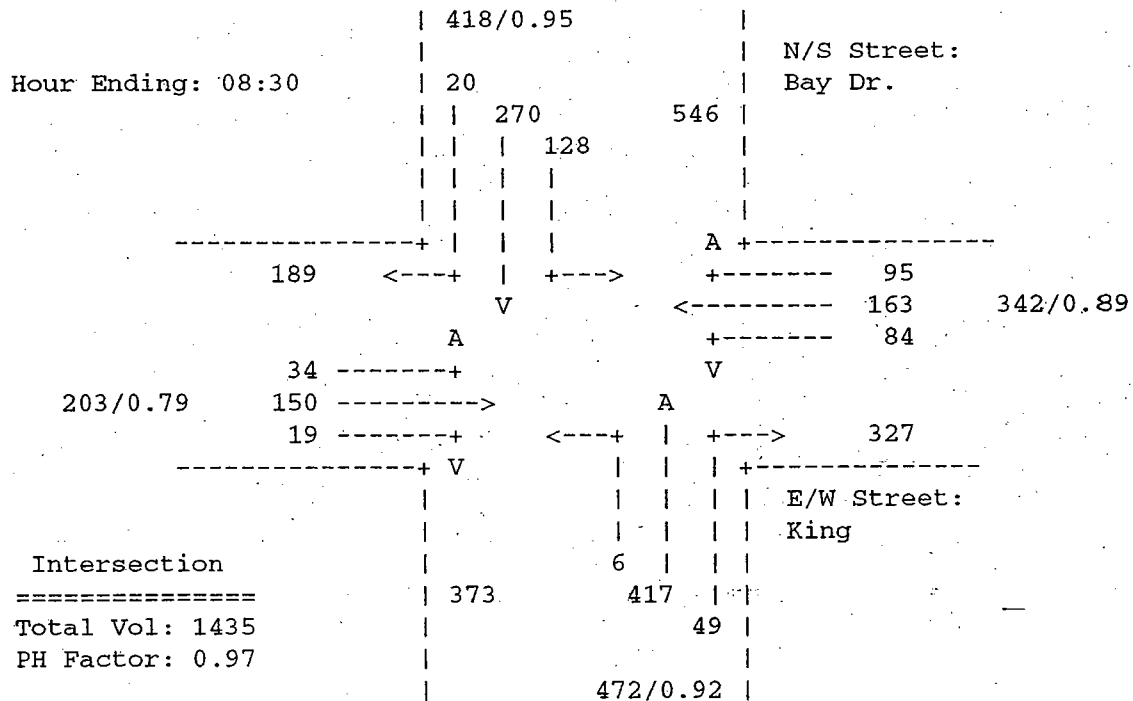
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #16  
 Tuesday  
 Clear and sunny

SUM-IT  
 COUNT DATE  
 05/15/01

1 - Bay Dr. and King

MORNING PEAK



1 - Bay Dr. and King

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	5	116	35	22	41	20	11	75	3	7	35	6	376*
16:30	10	220	71	50	77	38	24	172	8	11	68	13	762*
16:45	16	316	107	95	115	61	35	273	11	16	122	20	1187*
17:00	20	436	146	139	169	80	47	397	14	19	156	28	1651
17:15	27	487	166	161	187	76	46	425	13	19	162	27	1796
17:30	25	495	167	166	205	75	44	410	11	20	162	27	1807
17:45	23	513	164	164	239	79	44	406	12	22	140	23	1829
18:00	27	488	155	160	231	76	46	356	15	25	133	19	1731

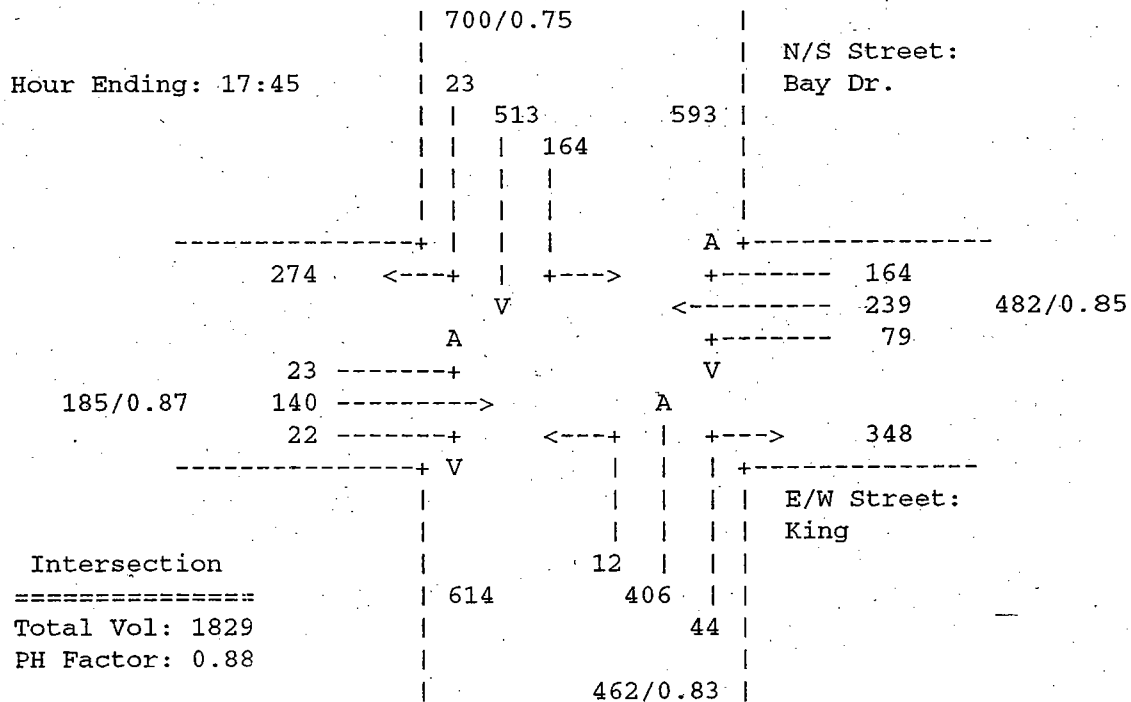
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #16  
Tuesday

SUM-IT  
COUNT DATE  
05/15/01

1 - Bay Dr. and King

EVENING PEAK



1 - Laurel and Mission

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	18	6	1	153	1	21	14	41	19	153	0	427*
07:30	0	38	12	1	356	4	44	36	85	58	347	0	981*
07:45	2	58	15	4	532	4	67	71	150	105	543	1	1552*
08:00	3	93	31	6	699	5	90	127	208	153	802	2	2219
08:15	7	115	35	6	727	7	100	156	219	172	804	3	2351
08:30	9	137	34	6	701	4	105	169	235	164	829	5	2398
08:45	10	142	37	5	696	5	98	161	238	148	839	4	2383
09:00	11	146	28	10	689	8	97	147	254	139	794	5	2328

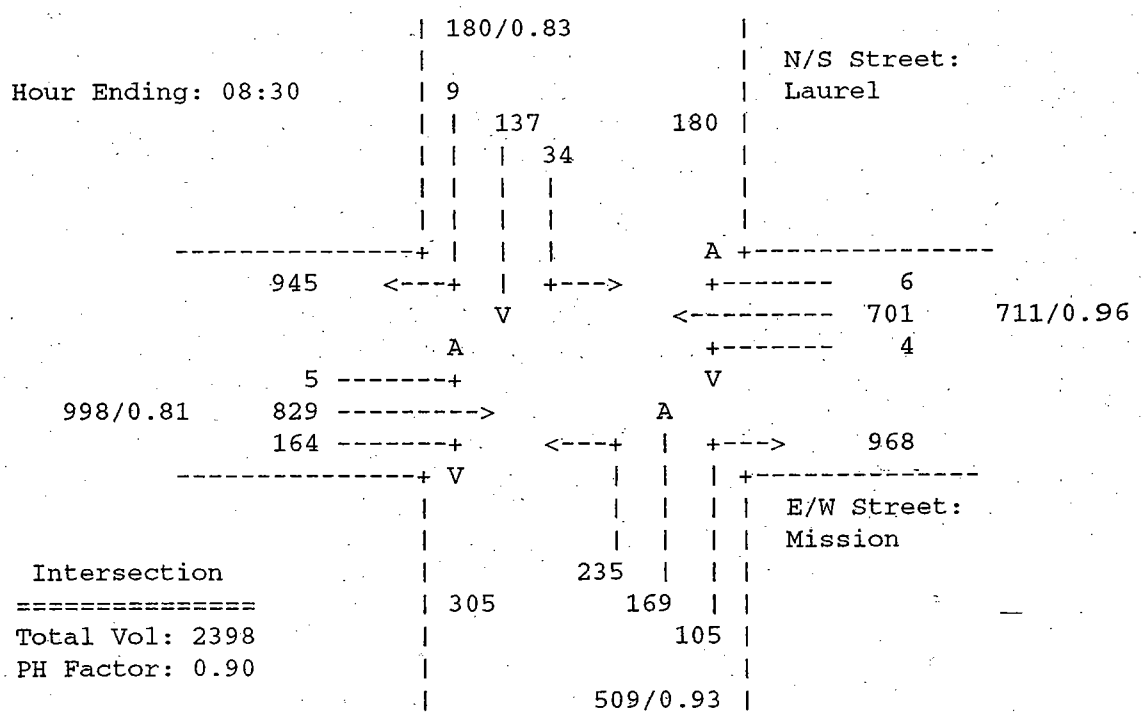
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #19  
Wednesday

SUM-IT  
COUNT DATE  
05/23/01

1 - Laurel and Mission

MORNING PEAK



1 - Laurel and Mission

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	2	46	2	6	209	2	11	45	63	81	216	1	684*
16:30	7	82	14	13	413	5	21	84	112	166	396	3	1316*
16:45	18	125	22	19	631	6	29	137	178	237	598	4	2004*
17:00	19	179	27	28	824	9	39	197	257	314	786	4	2683
17:15	24	182	31	31	868	10	37	200	266	327	793	6	2775
17:30	27	217	24	29	877	12	43	205	296	310	803	7	2850
17:45	19	229	17	31	914	15	46	185	297	327	775	8	2863
18:00	25	220	20	27	1003	16	45	186	307	322	783	8	2962

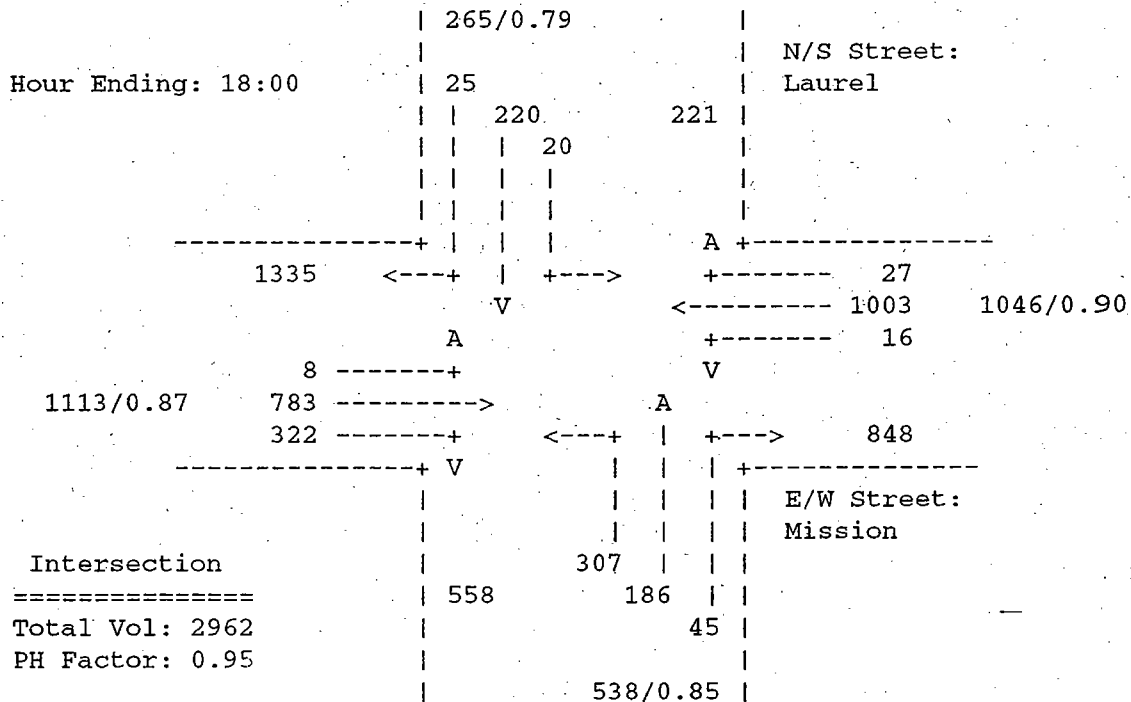
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #19  
Wednesday

SUM-IT  
COUNT DATE  
05/23/01

1 - Laurel and Mission

EVENING PEAK



1 - Walnut Avenue and Mission St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	10	4	0	172	1	7	3	7	9	192	2	407*
07:30	1	23	8	5	330	8	16	11	11	19	330	4	766*
07:45	2	60	26	11	499	20	32	36	14	39	549	8	1296*
08:00	3	105	38	17	654	41	52	65	23	53	776	18	1845
08:15	5	133	61	27	667	49	62	94	28	59	795	18	1998
08:30	7	152	82	23	714	51	75	104	29	60	879	18	2194
08:45	7	127	71	23	657	49	68	88	35	47	784	14	1970
09:00	6	112	78	25	736	36	76	70	38	43	812	7	2039

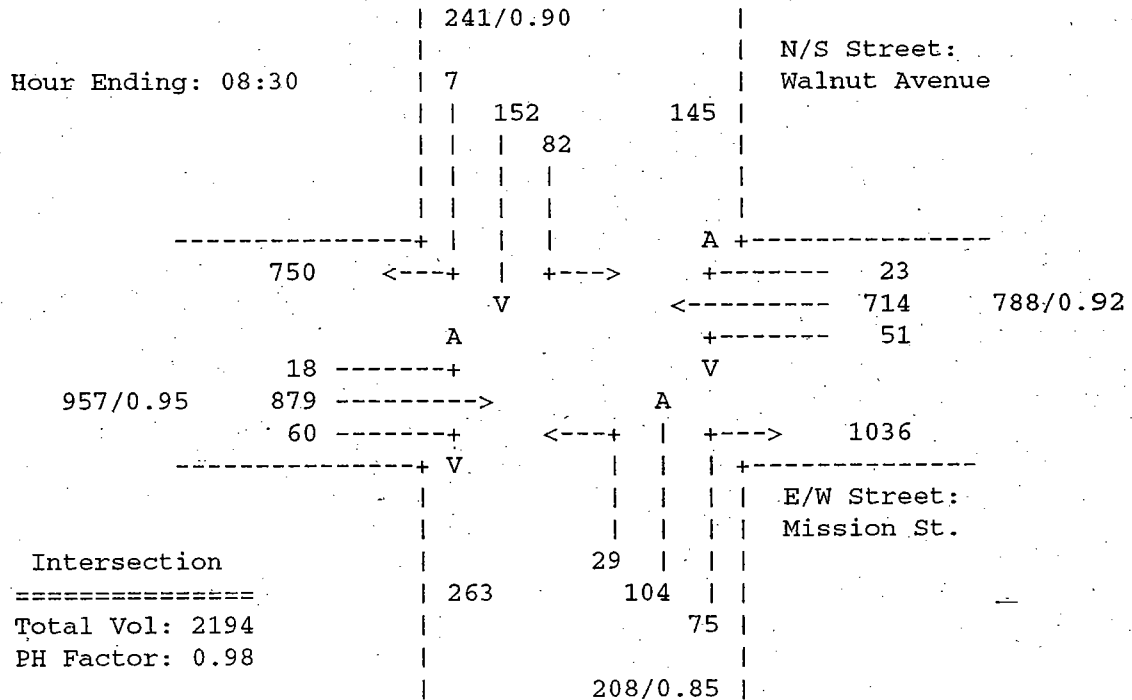
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #21  
Tuesday

SUM-IT  
COUNT DATE  
05/22/01

1 - Walnut Avenue and Mission St.

MORNING PEAK



1 - Walnut Ave. and Mission St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	4	28	21	0	209	13	18	25	9	9	213	1	550*
16:30	5	45	32	6	402	22	29	40	23	11	393	2	1010*
16:45	7	68	50	9	672	33	47	79	41	17	667	4	1694*
17:00	9	90	61	12	864	40	59	102	59	32	782	5	2115
17:15	7	99	66	18	876	40	64	105	64	39	840	9	2227
17:30	6	100	70	19	956	36	75	136	63	56	859	11	2387
17:45	6	99	56	22	908	27	75	143	58	64	728	10	2196
18:00	5	89	52	21	978	31	82	138	48	65	800	11	2320

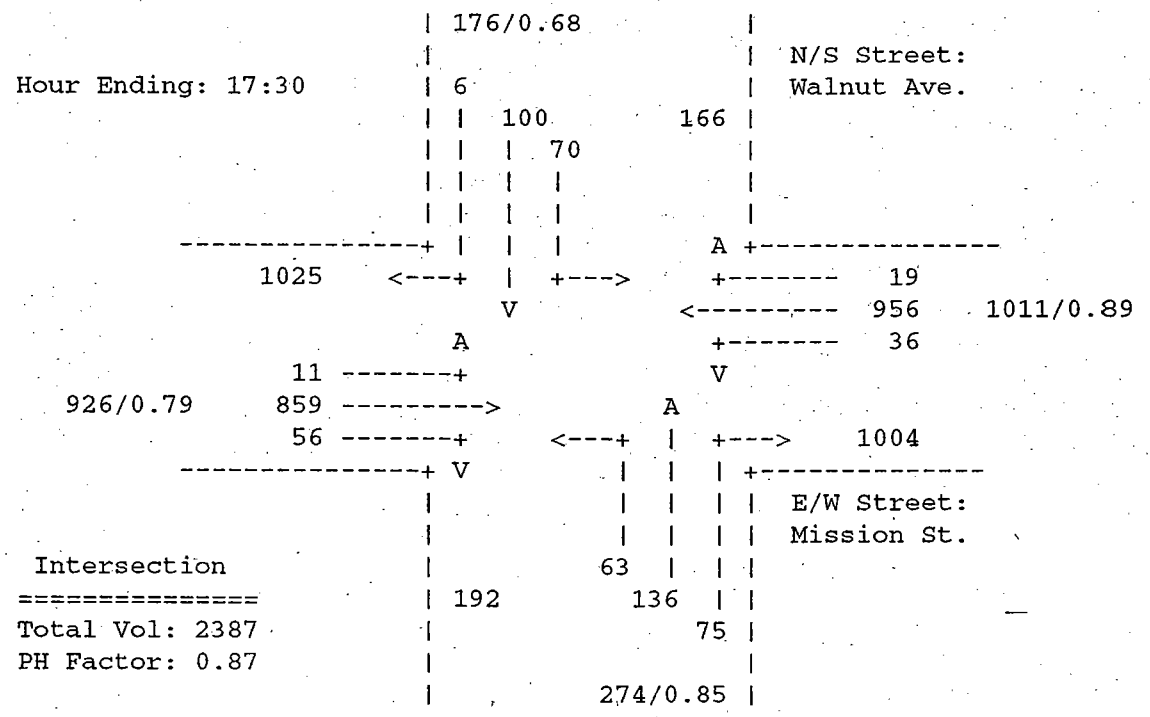
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #21  
Tuesday

SUM-IT  
COUNT DATE  
05/22/01

1 - Walnut Ave. and Mission St.

EVENING PEAK





1 - Union/King and Mission

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	0	137	6	194	1	3	0	0	0	168	0	509*
07:30	0	0	304	34	404	1	5	0	0	0	396	0	1144*
07:45	2	0	515	90	617	1	5	0	1	0	632	0	1863*
08:00	3	1	736	131	816	2	8	1	2	0	897	0	2597
08:15	4	1	840	166	826	3	9	2	4	3	1006	0	2864
08:30	6	2	945	173	814	6	13	3	5	3	1046	2	3018
08:45	8	3	981	148	800	7	17	4	4	5	1014	2	2993
09:00	9	2	996	133	808	10	19	3	4	7	972	3	2966

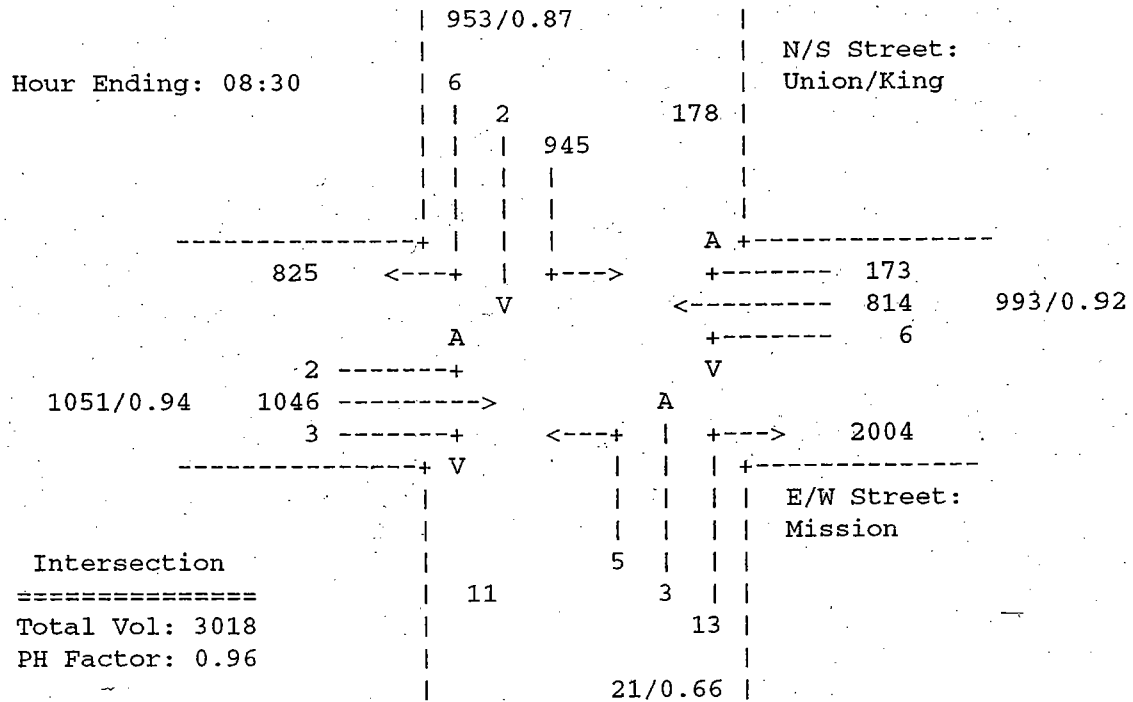
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #22  
 Tuesday  
 Sunny

SUM-IT  
 COUNT DATE  
 05/08/01

1 - Union/King and Mission

MORNING PEAK



1 - Union/King and Mission

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	3	0	237	43	240	3	6	0	2	1	214	0	749*
16:30	4	0	488	87	473	8	11	0	6	3	459	1	1540*
16:45	5	0	722	132	703	10	17	1	7	3	668	1	2269*
17:00	6	0	924	192	979	10	21	1	9	4	891	1	3038
17:15	4	0	900	212	1017	9	22	1	7	4	913	1	3090
17:30	3	0	862	237	1070	9	19	2	4	2	913	0	3121
17:45	4	0	848	253	1129	9	20	2	4	2	894	0	3165
18:00	4	0	844	247	1147	11	20	2	4	1	938	0	3218

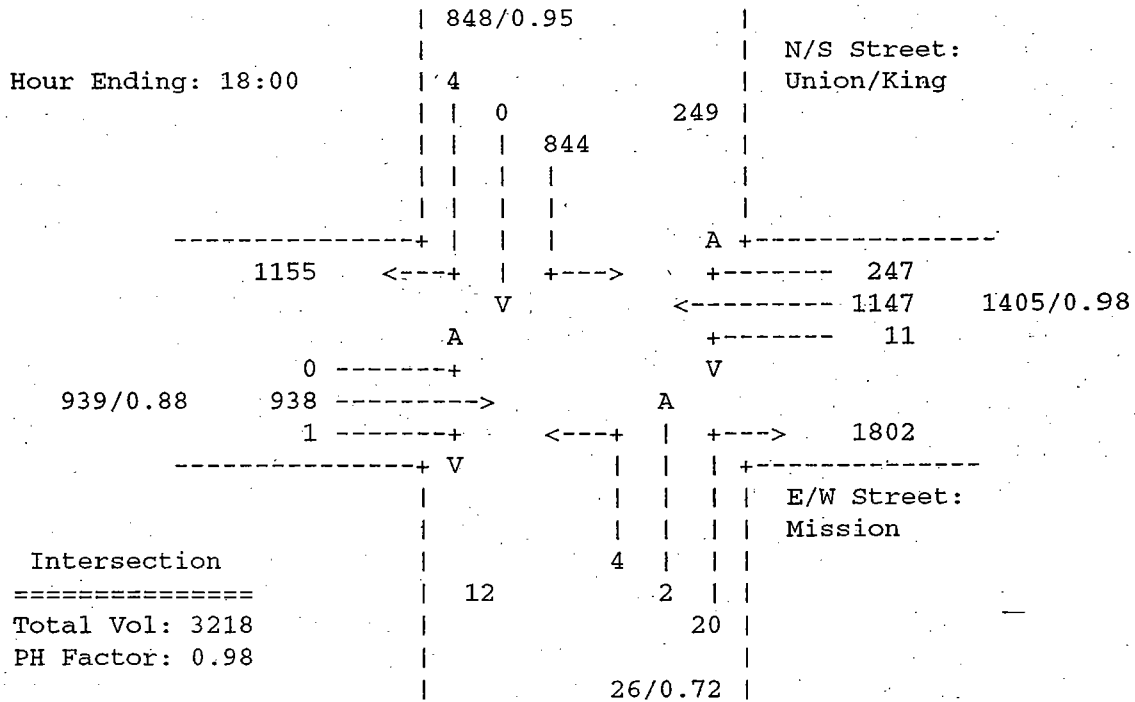
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #22  
 Tuesday  
 Sunny, HOT

SUM-IT  
 COUNT DATE  
 05/08/01

1 - Union/King and Mission

EVENING PEAK



1 - Chestnut and Mission

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	303	54	7	4	23	3	4	45	5	8	40	367	863*
07:30	707	123	15	14	80	4	9	114	9	19	97	758	1949*
07:45	1168	196	32	27	172	6	12	207	31	28	166	1227	3272*
08:00	1616	301	50	48	254	10	17	333	59	45	267	1744	4744
08:15	1776	359	65	82	332	9	26	416	67	50	324	1760	5266
08:30	1740	370	70	98	332	9	29	481	78	57	351	1857	5472
08:45	1628	371	60	96	319	8	32	512	72	66	356	1840	5360
09:00	1612	324	62	85	306	6	33	495	56	69	332	1777	5157

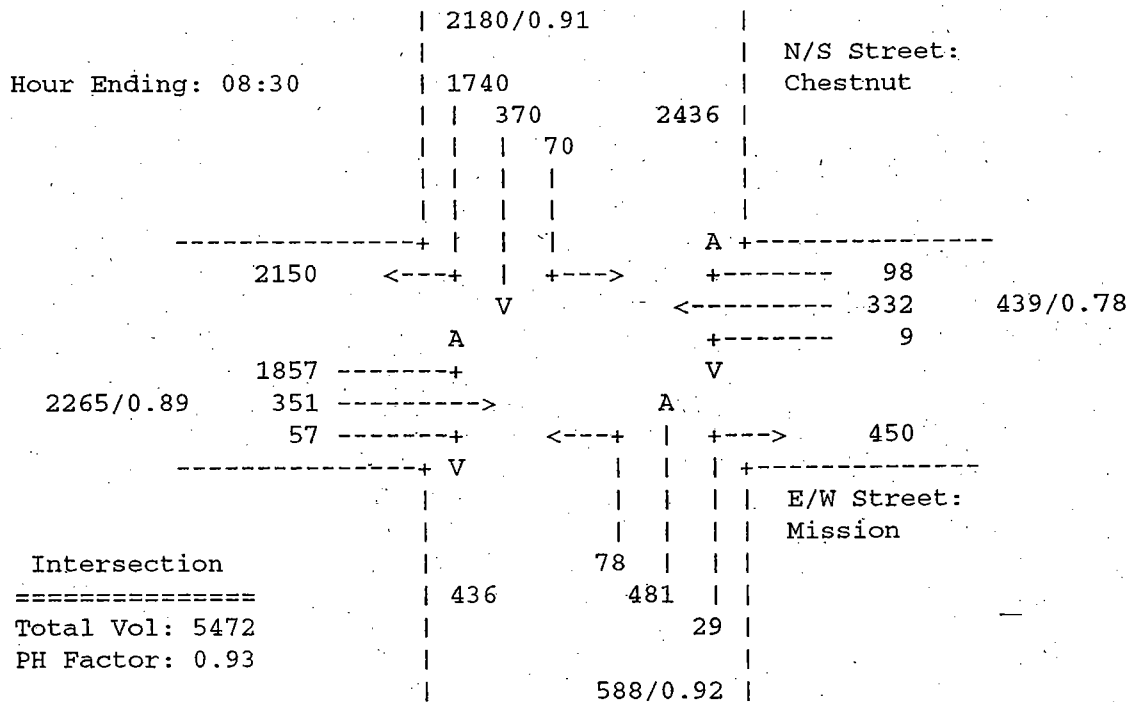
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #23  
 Tuesday  
 Overcast, then sunny and warm

SUM-IT  
 COUNT DATE  
 05/15/01

1 - Chestnut and Mission

MORNING PEAK



1 - Chestnut and Mission

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	351	83	17	19	102	14	6	78	23	19	101	430	1243*
16:30	719	177	30	38	188	20	10	149	40	34	247	842	2494*
16:45	1132	278	37	51	296	25	16	227	70	46	349	1212	3739*
17:00	1586	374	45	60	394	28	16	300	102	62	446	1602	5015
17:15	1724	403	36	53	415	20	18	329	95	58	448	1580	5179
17:30	1897	402	33	43	430	17	18	332	111	58	398	1591	5330
17:45	1951	381	41	43	434	17	20	344	108	63	397	1596	5395
18:00	2058	426	41	49	436	19	24	381	98	65	402	1607	5606

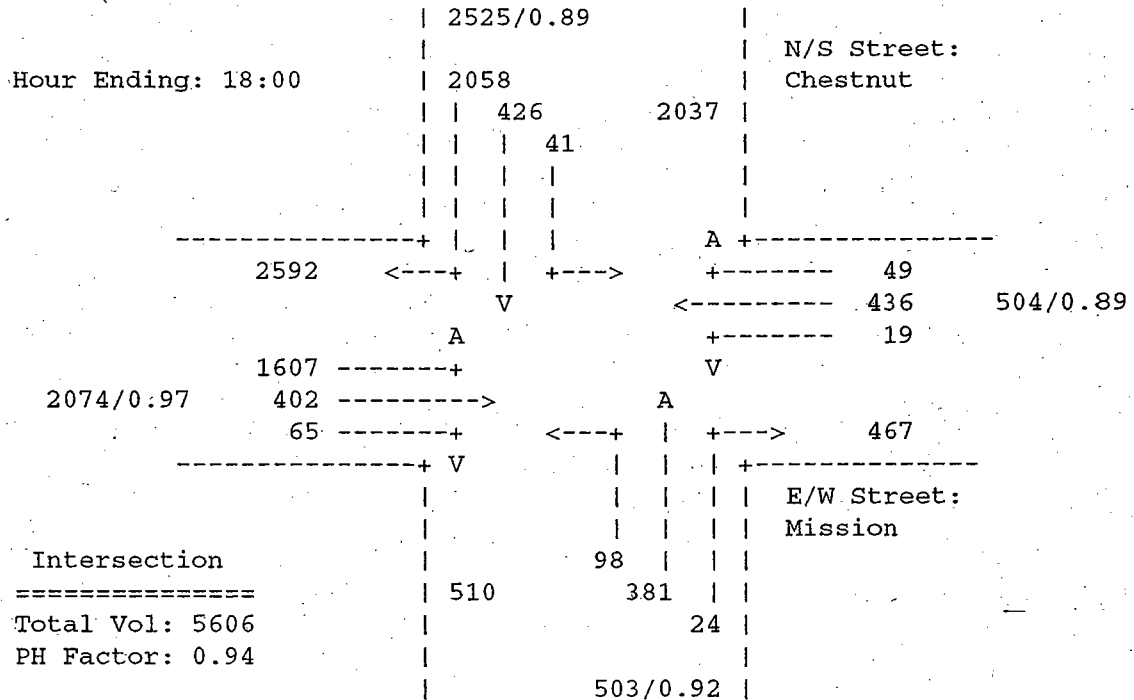
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #23  
 Tuesday  
 Sunny, warm

SUM-IT  
 COUNT DATE  
 05/15/01

1 - Chestnut and Mission

EVENING PEAK



1 - Western Drive and Empire Grade/High St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	0	0	0	34	3	0	0	4	6	47	0	94*
07:30	0	0	0	0	76	5	1	0	13	14	88	0	197*
07:45	0	0	0	0	136	16	3	0	27	21	168	0	371*
08:00	0	0	0	0	230	25	7	0	41	42	267	0	612
08:15	0	0	0	0	273	38	12	0	67	54	302	0	746
08:30	0	0	0	0	331	48	16	0	83	62	337	0	877
08:45	0	0	0	0	334	43	18	0	89	78	334	0	896
09:00	0	0	0	0	317	42	18	0	85	76	305	0	843

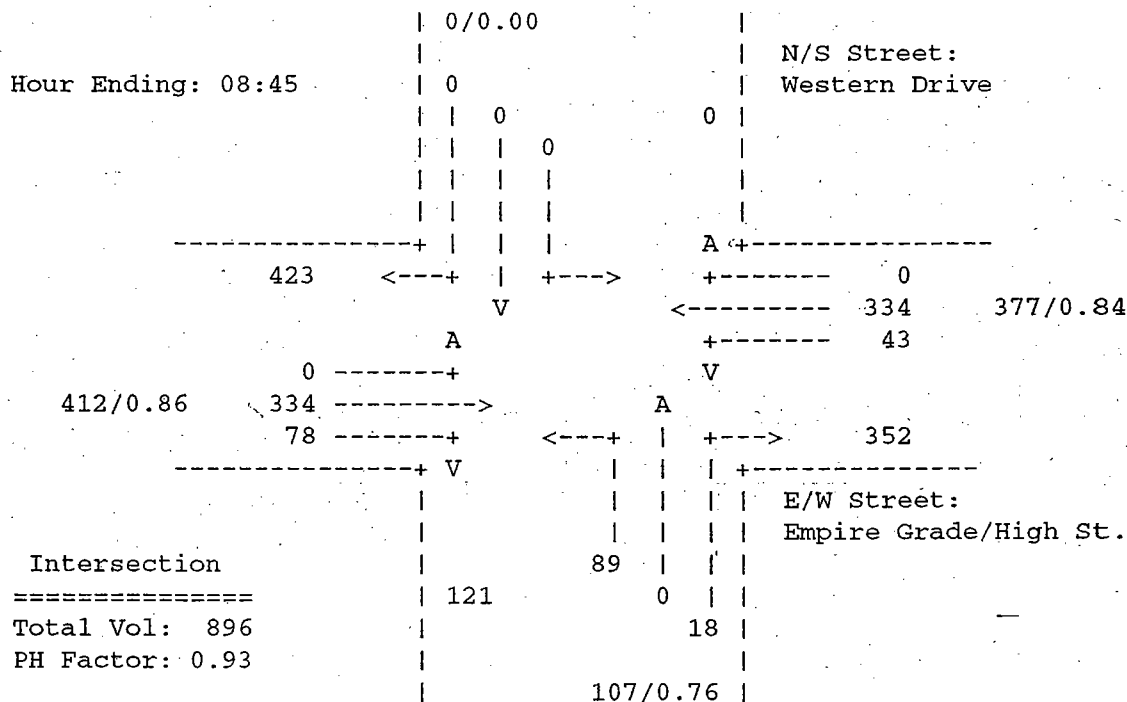
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #1  
 Thursday  
 Sunny and clear

SUM-IT  
 COUNT DATE  
 05/24/01

1 - Western Drive and Empire Grade/High St.

MORNING PEAK



1 - Western Dr. and Empire Grade/High St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	0	0	0	0	58	11	8	0	20	24	95	0	216*
16:30	0	0	0	0	138	29	19	0	33	40	182	0	441*
16:45	0	0	0	0	238	45	37	0	66	63	296	0	745*
17:00	0	0	0	0	359	59	50	0	97	85	406	0	1056
17:15	0	0	0	0	410	70	57	0	113	105	461	0	1216
17:30	0	0	0	0	419	60	52	0	131	112	480	0	1254
17:45	0	0	0	0	418	65	48	0	122	120	485	0	1258
18:00	0	0	0	0	373	61	45	0	112	116	466	0	1173

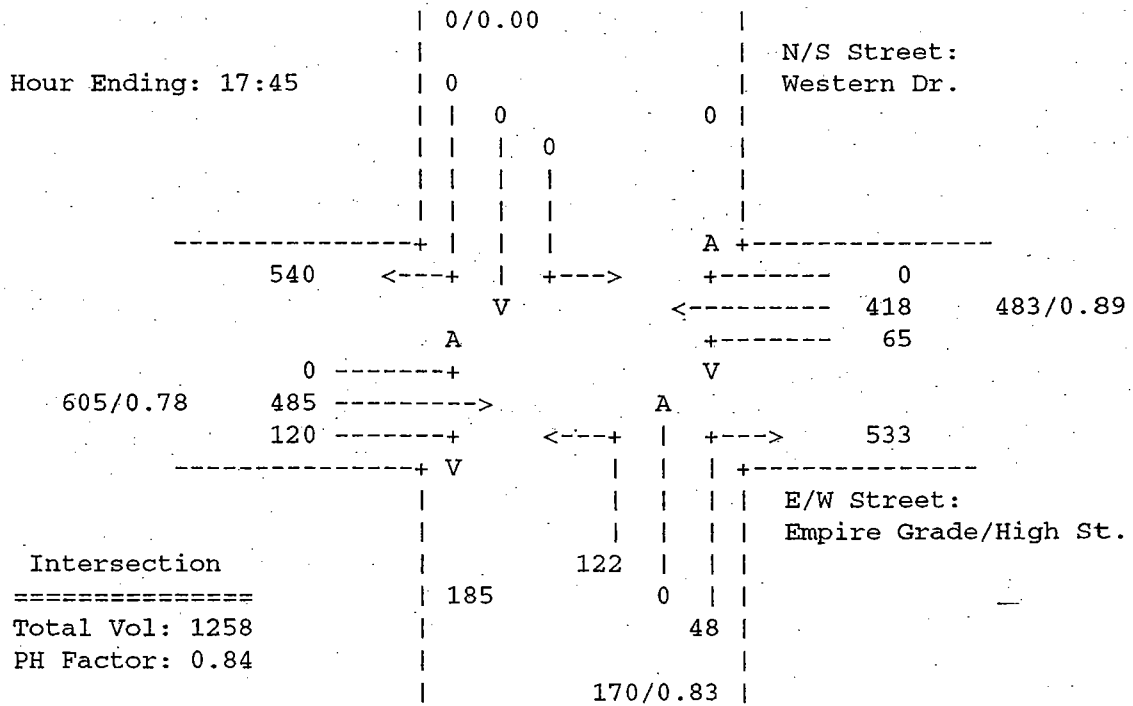
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #1  
 Wednesday  
 Sunny and warm

SUM-IT  
 COUNT DATE  
 05/23/01

1 - Western Dr. and Empire Grade/High St.

EVENING PEAK



=====

1 - Heller Dr. and Empire Grade

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	1	0	23	28	6	0	0	0	0	0	25	6	89*
07:30	1	0	58	78	11	0	0	0	0	0	59	8	215*
07:45	1	0	88	135	29	0	0	0	0	0	110	16	379*
08:00	3	0	146	255	40	0	0	0	0	0	168	28	640
08:15	2	0	175	309	60	0	0	0	0	0	180	27	753
08:30	5	0	186	329	111	0	0	0	0	0	206	36	873
08:45	8	0	187	340	110	0	0	0	0	0	218	30	893
09:00	7	0	166	287	113	0	0	0	0	0	202	30	805

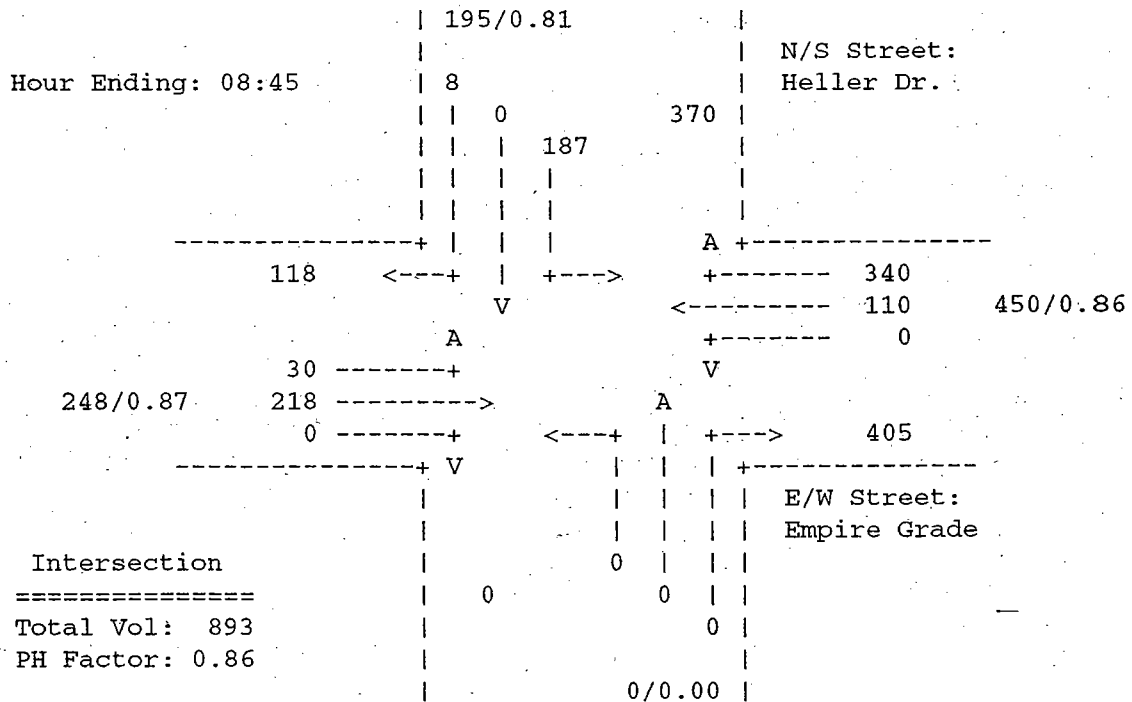
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #2  
Tuesday

SUM-IT  
COUNT DATE  
05/22/01

1 - Heller Dr. and Empire Grade

MORNING PEAK



1 - Heller Dr. and Empire Grade

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	4	0	127	57	32	0	0	0	0	0	18	2	240*
16:30	5	0	214	113	55	0	0	0	0	0	38	3	428*
16:45	15	0	296	175	78	0	0	0	0	0	60	4	628*
17:00	20	0	380	255	107	0	0	0	0	0	78	4	844
17:15	27	0	363	281	110	0	0	0	0	0	76	2	859
17:30	39	0	406	313	123	0	0	0	0	0	69	3	953
17:45	33	0	420	338	126	0	0	0	0	0	75	5	997
18:00	34	0	523	383	130	0	0	0	0	0	75	7	1152

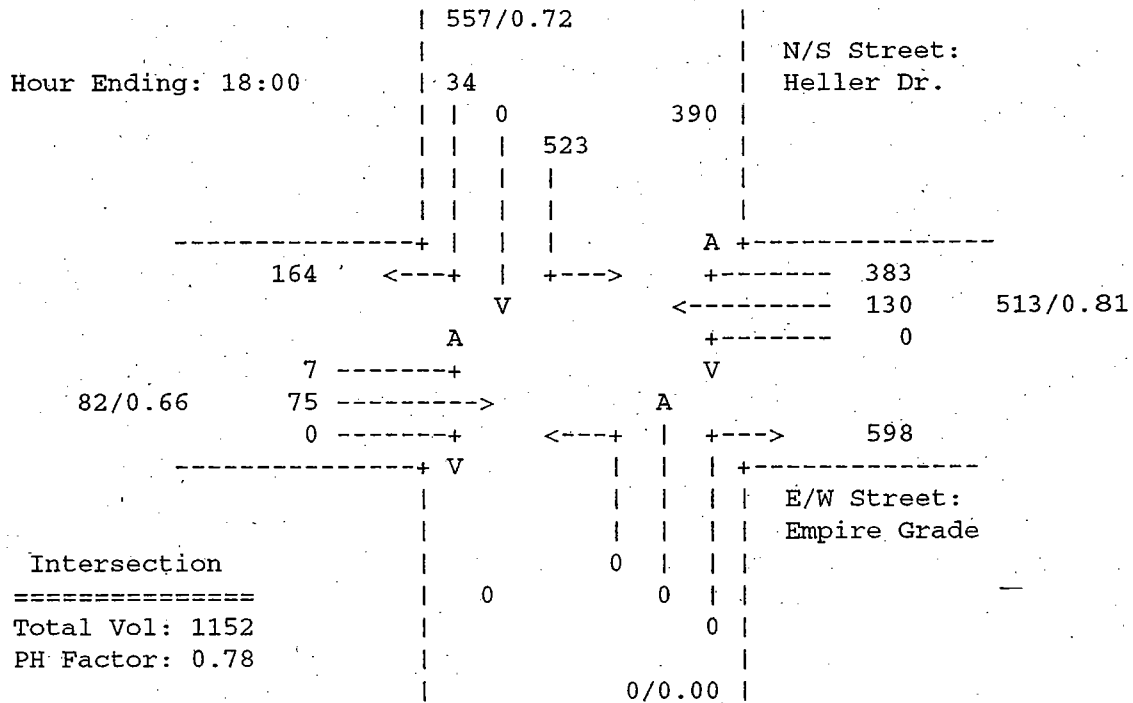
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #2  
 Tuesday  
 sunny, hot

SUM-IT  
 COUNT DATE  
 05/22/01

1 - Heller Dr. and Empire Grade

EVENING PEAK





1 - Bay Dr./Coolidge Dr. and High St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	7	24	11	46	21	2	14	42	10	22	25	9	233*
07:30	13	32	25	131	51	5	31	88	19	46	64	13	518*
07:45	22	45	39	222	82	14	50	145	39	74	109	23	864*
08:00	37	68	50	327	144	19	68	248	89	111	153	37	1351
08:15	39	67	64	364	169	37	85	276	119	121	171	36	1548
08:30	40	85	61	366	229	55	94	295	158	128	187	45	1743
08:45	39	102	66	350	242	61	99	303	171	125	212	51	1821
09:00	35	94	71	332	219	74	104	308	158	113	219	50	1777

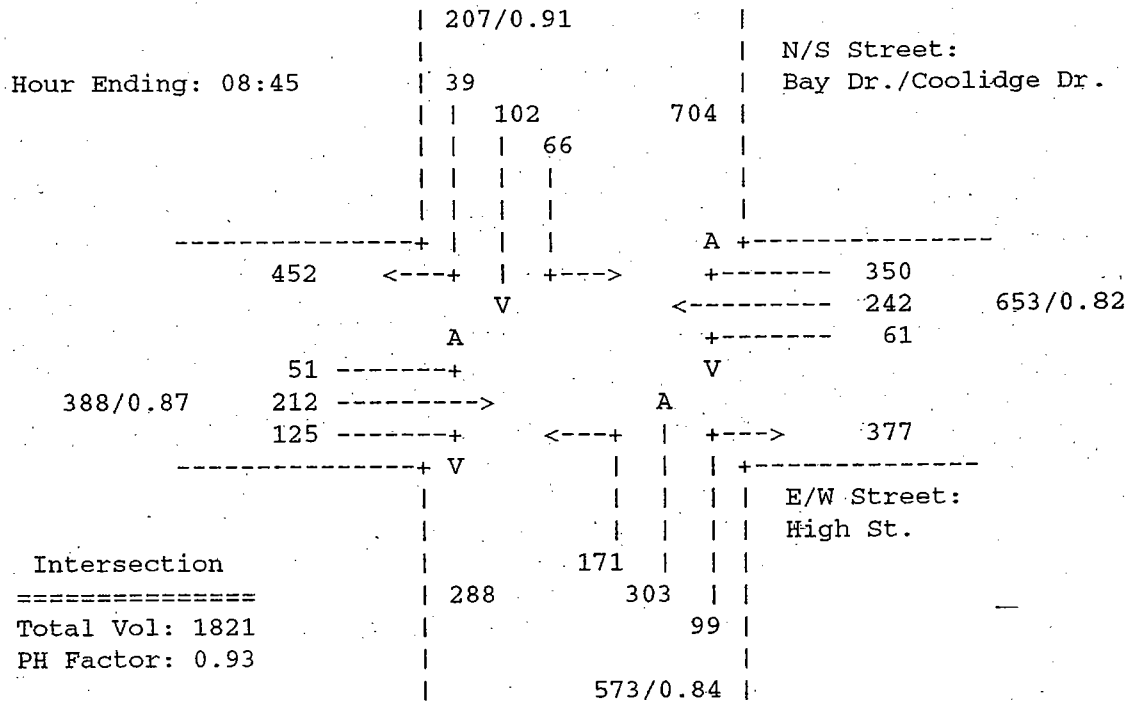
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #3  
 Wednesday  
 low fog

SUM-IT  
 COUNT DATE  
 05/16/01

1 - Bay Dr./Coolidge Dr. and High St.

MORNING PEAK



1 - Bay Dr./Coolidge Dr. and High St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	6	80	61	32	41	22	15	52	32	68	50	11	470*
16:30	16	149	116	63	90	47	33	111	62	114	100	21	922*
16:45	23	232	148	116	145	69	43	186	119	171	140	35	1427*
17:00	46	323	200	166	201	87	53	281	173	238	196	57	2021
17:15	55	435	220	172	217	90	51	286	195	263	200	63	2247
17:30	56	482	240	191	229	96	42	280	203	285	213	66	2383
17:45	59	490	256	170	223	94	47	241	186	278	228	66	2338
18:00	42	487	256	148	202	101	48	189	180	261	217	55	2186

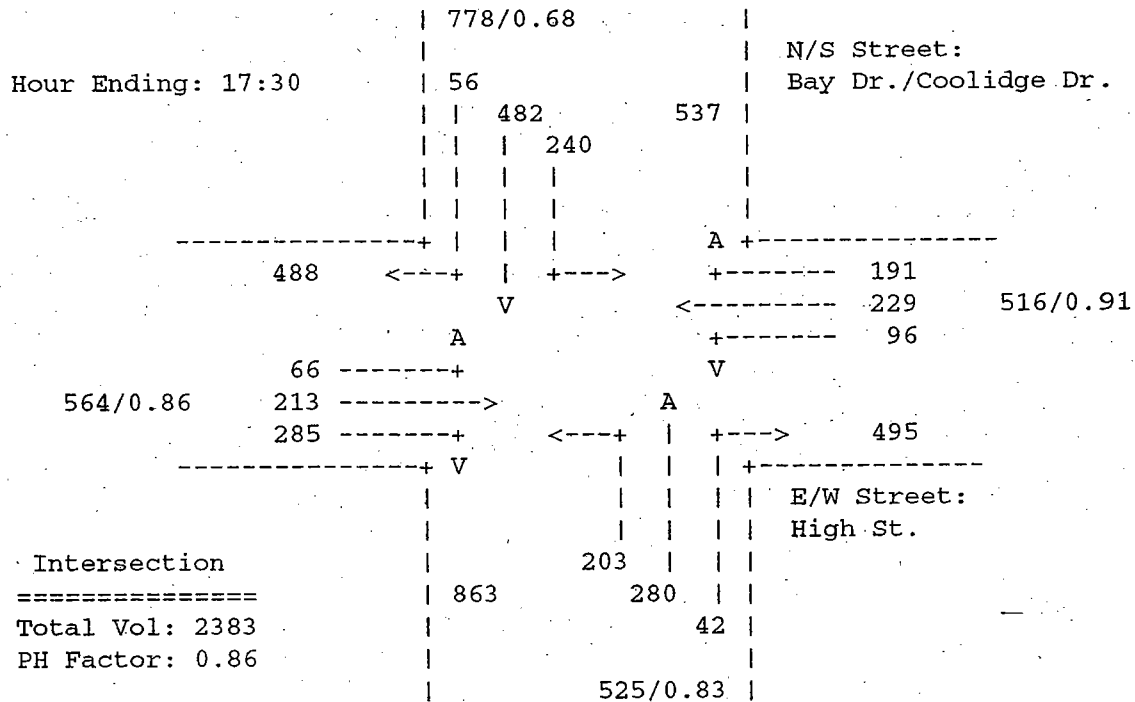
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #3  
Wednesday

SUM-IT  
COUNT DATE  
05/16/01

1 - Bay Dr./Coolidge Dr. and High St.

EVENING PEAK



1 - Western Drive and Meder Street

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	7	5	1	1	5	15	2	0	1	1	0	38*
07:30	1	14	7	1	1	11	28	12	0	2	3	0	80*
07:45	2	27	13	8	2	20	52	42	0	2	10	1	179*
08:00	2	49	21	12	4	27	72	77	0	3	20	2	289
08:15	2	77	22	19	5	33	86	100	1	3	23	2	373
08:30	2	90	24	22	6	48	88	121	1	4	23	2	431
08:45	3	105	21	21	7	44	82	120	1	6	23	1	434
09:00	4	108	16	18	5	43	79	109	2	5	14	0	403

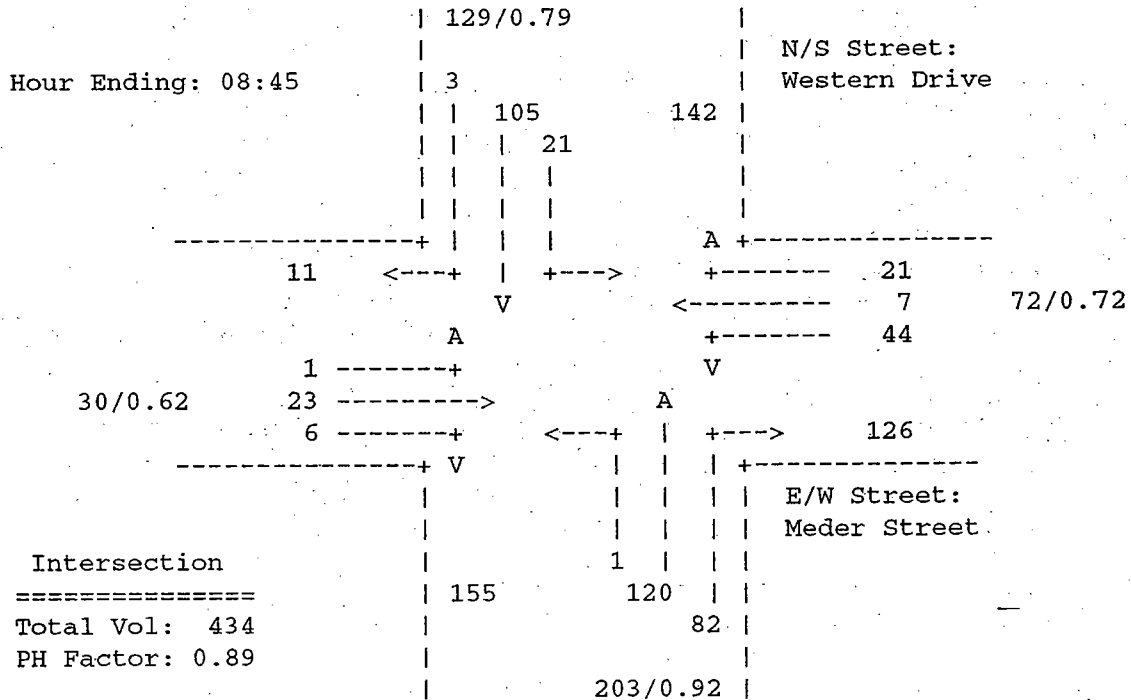
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #4  
 Thursday  
 Fair

SUM-IT  
 COUNT DATE  
 05/24/01

1 - Western Drive and Meder Street

MORNING PEAK



1 - Western Drive and Meder St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	1	30	1	5	3	12	14	24	0	1	1	1	93*
16:30	4	57	5	10	5	24	33	44	1	1	4	2	190*
16:45	6	77	7	17	7	38	47	90	6	4	5	3	307*
17:00	7	111	18	24	9	55	69	130	7	5	8	3	446
17:15	6	126	23	25	7	68	69	147	9	4	10	2	496
17:30	4	139	23	27	8	71	66	154	10	5	11	1	519
17:45	5	154	29	25	12	83	71	136	5	4	10	1	535
18:00	6	148	21	23	15	83	63	121	7	3	8	2	500

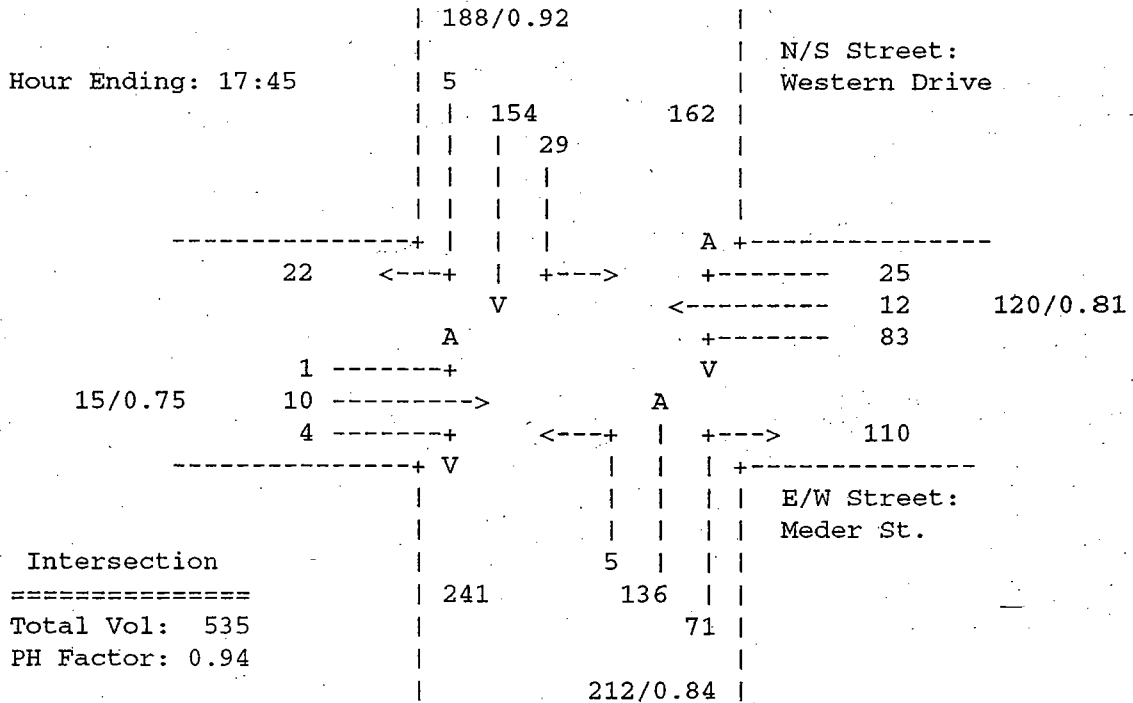
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #4  
 Wednesday  
 Fair

SUM-IT  
 COUNT DATE  
 05/23/01

1 - Western Drive and Meder St.

EVENING PEAK



1 - Schaffer/Mission and Highway 1

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	0	0	0	80	12	3	0	1	0	46	0	142*
07:30	0	0	0	0	128	24	3	0	5	1	80	0	241*
07:45	0	0	0	0	204	35	5	0	5	4	153	0	406*
08:00	0	0	0	0	280	50	6	0	14	5	233	0	588
08:15	0	0	0	0	267	55	7	0	17	11	262	0	619
08:30	0	0	0	0	264	53	7	0	16	15	299	0	654
08:45	0	0	0	0	268	50	6	0	20	15	309	0	668
09:00	0	0	0	0	260	39	6	0	15	18	305	0	643

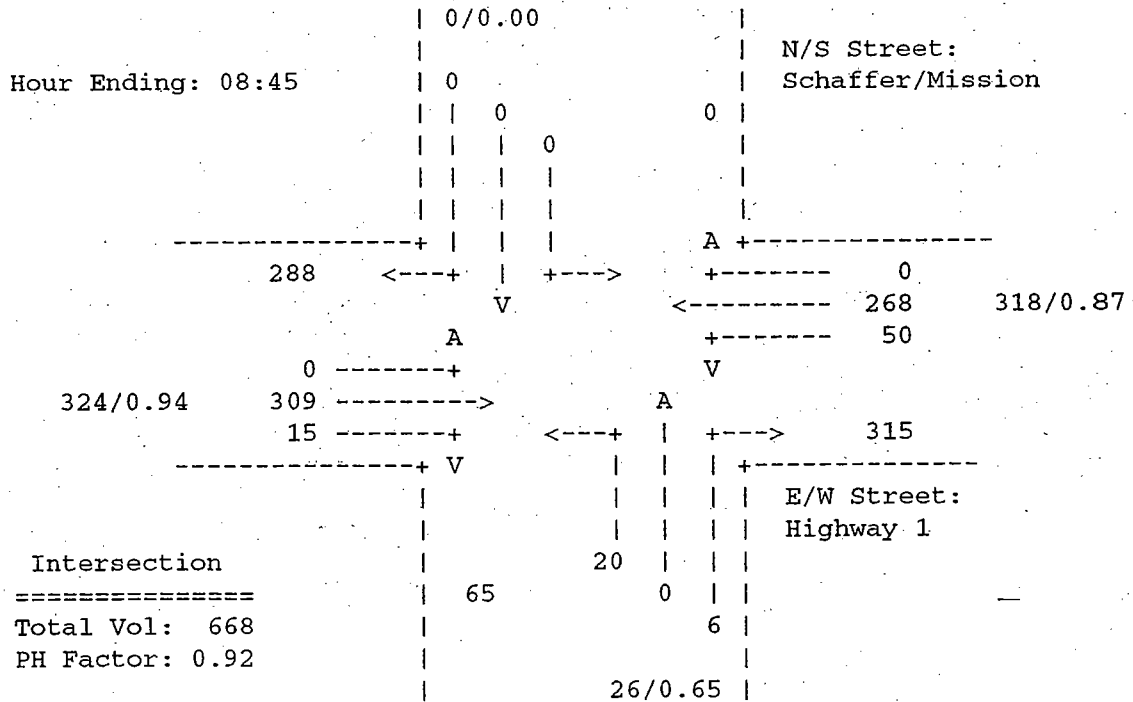
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #6a  
 Wednesday  
 Overcast, road clear.

SUM-IT  
 COUNT DATE  
 05/16/01

1 - Schaffer/Mission and Highway 1

MORNING PEAK



1 - Mission and Highway 1

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	0	0	0	80	12	1	0	3	0	46	0	142*
07:30	0	0	0	0	128	24	5	0	3	1	80	0	241*
07:45	0	0	0	0	204	35	5	0	5	4	153	0	406*
08:00	0	0	0	0	280	50	14	0	6	5	233	0	588
08:15	0	0	0	0	267	55	17	0	7	10	262	0	618
08:30	0	0	0	0	264	53	16	0	7	14	299	0	653
08:45	0	0	0	0	268	50	19	0	6	14	309	0	666
09:00	0	0	0	0	260	39	14	0	6	16	305	0	640

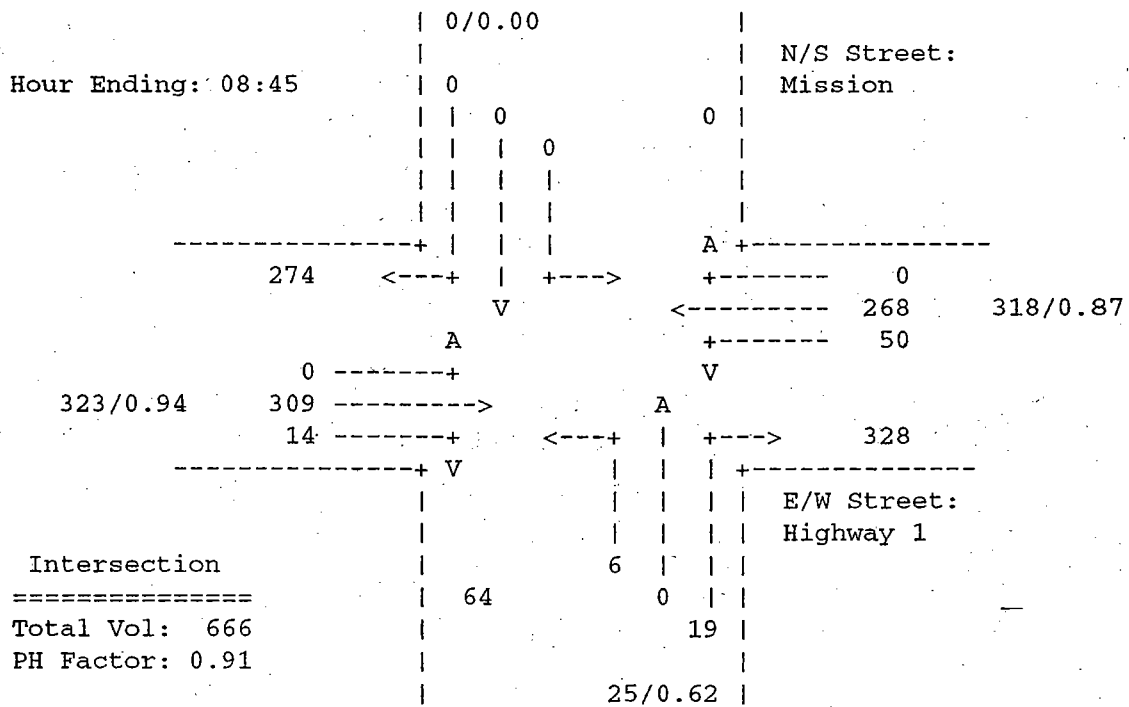
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #6b  
 Wednesday  
 Overcast, road clear

SUM-IT  
 COUNT DATE  
 05/16/01

1 - Mission and Highway 1

MORNING PEAK



1 - Shaffer/Mission and Highway 1

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	0	0	0	0	73	3	20	0	4	8	118	0	226*
16:30	0	0	0	0	152	4	30	0	9	9	224	0	428*
16:45	0	0	0	0	234	6	35	0	12	11	338	0	636*
17:00	0	0	0	0	338	8	40	0	18	18	424	0	846
17:15	0	0	0	0	345	8	23	0	19	15	402	0	812
17:30	0	0	0	0	328	9	16	0	19	20	371	0	763
17:45	0	0	0	0	340	7	16	0	20	25	348	0	756
18:00	0	0	0	0	339	8	16	0	17	28	352	0	760

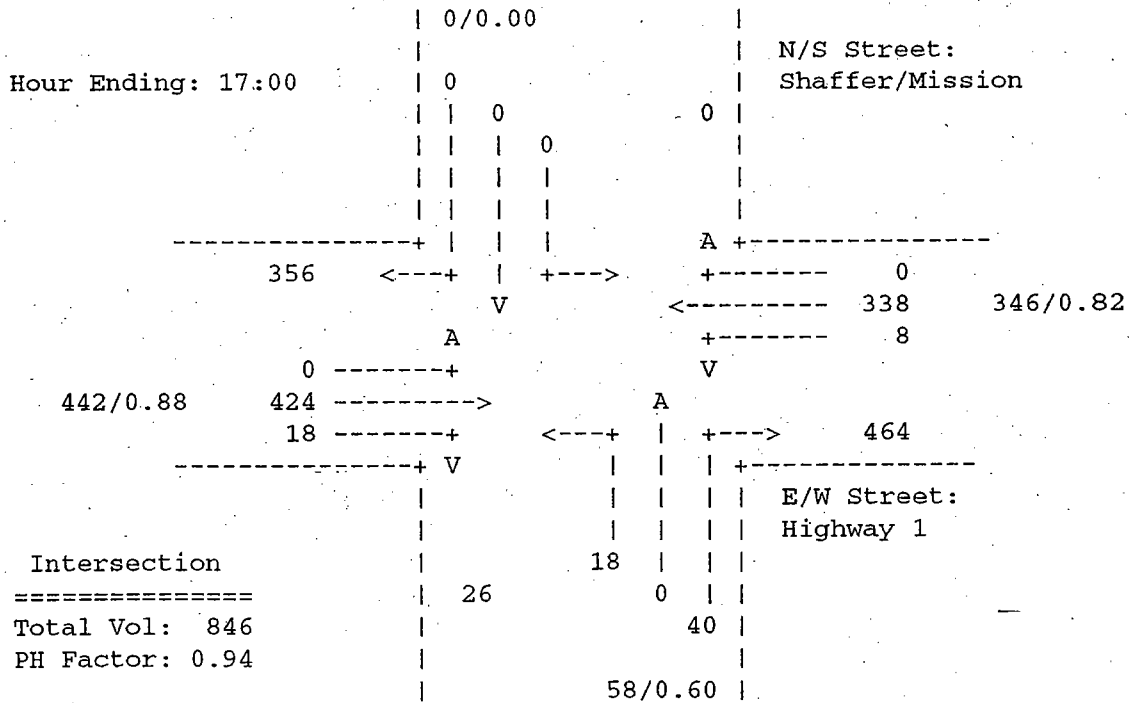
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #6a  
 Tuesday  
 Sunny, clear, WARM

SUM-IT  
 COUNT DATE  
 05/15/01

1 - Shaffer/Mission and Highway 1

EVENING PEAK



1 - Natural Bridges Dr. and Delaware Ave.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	1	1	7	10	15	0	0	0	0	0	6	1	41*
07:30	5	1	23	19	23	0	0	0	0	0	14	1	86*
07:45	8	1	33	28	34	0	0	0	0	0	26	1	131*
08:00	12	1	45	55	47	0	0	1	0	0	36	3	200
08:15	15	0	48	71	57	0	0	1	0	0	39	6	237
08:30	17	0	46	91	69	0	0	1	0	0	38	9	271
08:45	19	0	46	92	82	0	0	1	0	0	30	12	282
09:00	17	0	43	83	89	0	0	0	0	0	32	11	275

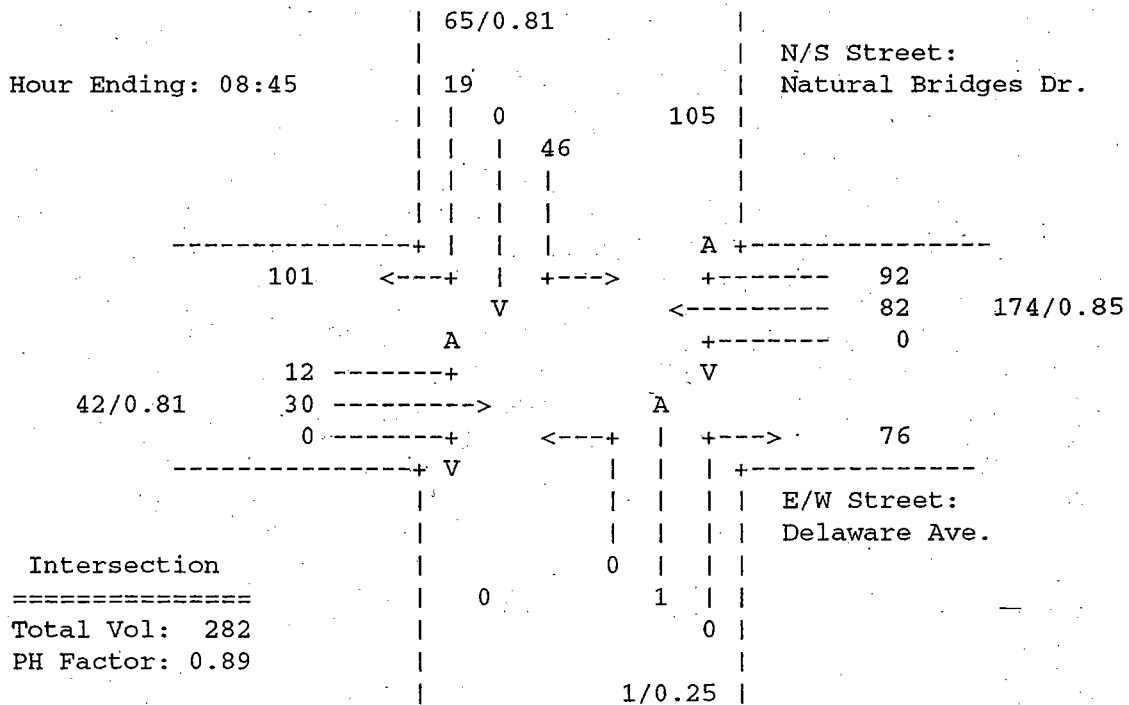
\* indicates partial hour total.

City of Santz Cruz - UCSC Long Marine Lab #8  
 Thursday  
 Overcast

SUM-IT  
 COUNT DATE  
 05/10/01

1 - Natural Bridges Dr. and Delaware Ave.

MORNING PEAK





1 - Natural Bridges Dr. and Delaware Ave.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	5	0	25	20	15	0	0	1	0	0	16	5	87*
16:30	9	0	49	44	30	0	0	1	0	0	31	13	177*
16:45	12	0	81	58	40	0	0	1	0	0	51	18	261*
17:00	17	0	103	80	51	0	0	1	0	0	70	25	347
17:15	13	0	103	81	48	0	0	0	0	0	79	32	356
17:30	12	0	101	79	42	0	0	0	0	0	80	30	344
17:45	12	0	94	83	48	0	0	0	0	0	78	25	340
18:00	11	0	102	88	50	0	0	0	0	0	75	20	346

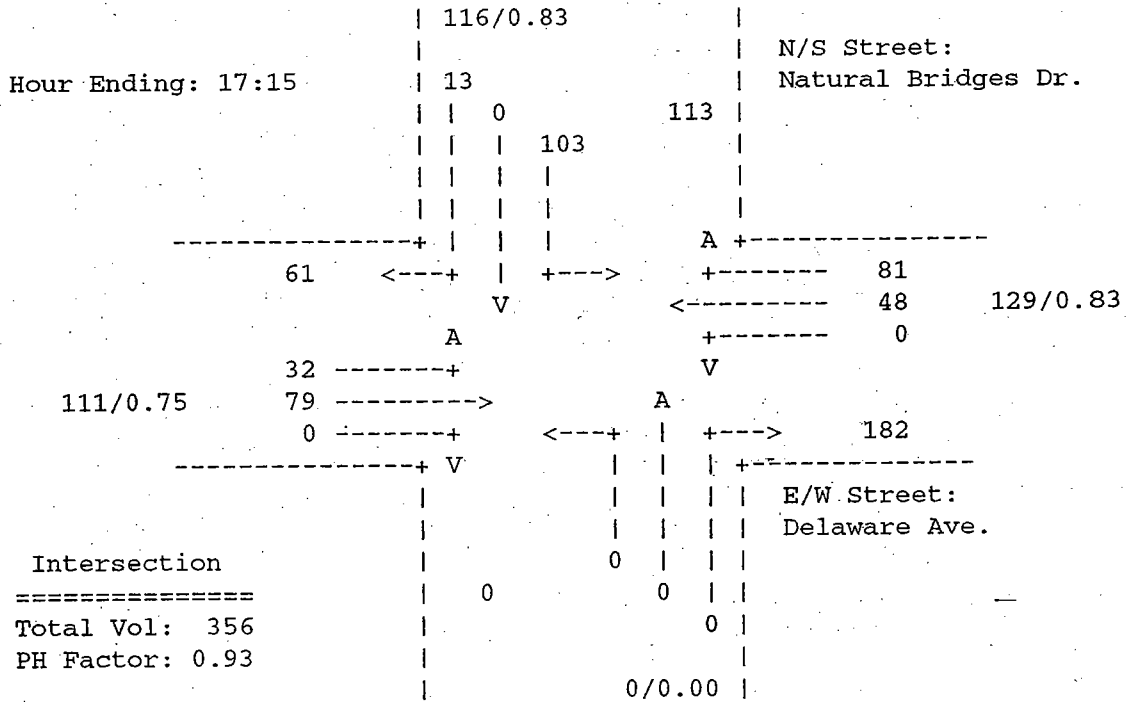
\* indicates partial hour total.

City of Santz Cruz - UCSC Long Marine Lab #8  
 Thursday  
 clear

SUM-IT  
 COUNT DATE  
 05/10/01

1 - Natural Bridges Dr. and Delaware Ave.

EVENING PEAK



Total Vol: 356  
 PH Factor: 0.93

1 - Shaffer and Delaware

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	0	0	0	5	0	0	0	0	0	1	0	6*
07:30	0	0	0	0	11	0	0	0	0	0	2	0	13*
07:45	0	0	0	0	23	0	0	0	0	0	4	0	27*
08:00	1	0	0	2	36	0	0	1	0	0	7	0	47
08:15	1	0	1	5	46	1	0	1	0	0	11	0	66
08:30	1	0	1	5	49	1	0	2	0	0	12	0	71
08:45	1	0	1	6	44	2	0	3	0	0	11	0	68
09:00	0	0	1	10	46	2	0	6	0	0	9	0	74

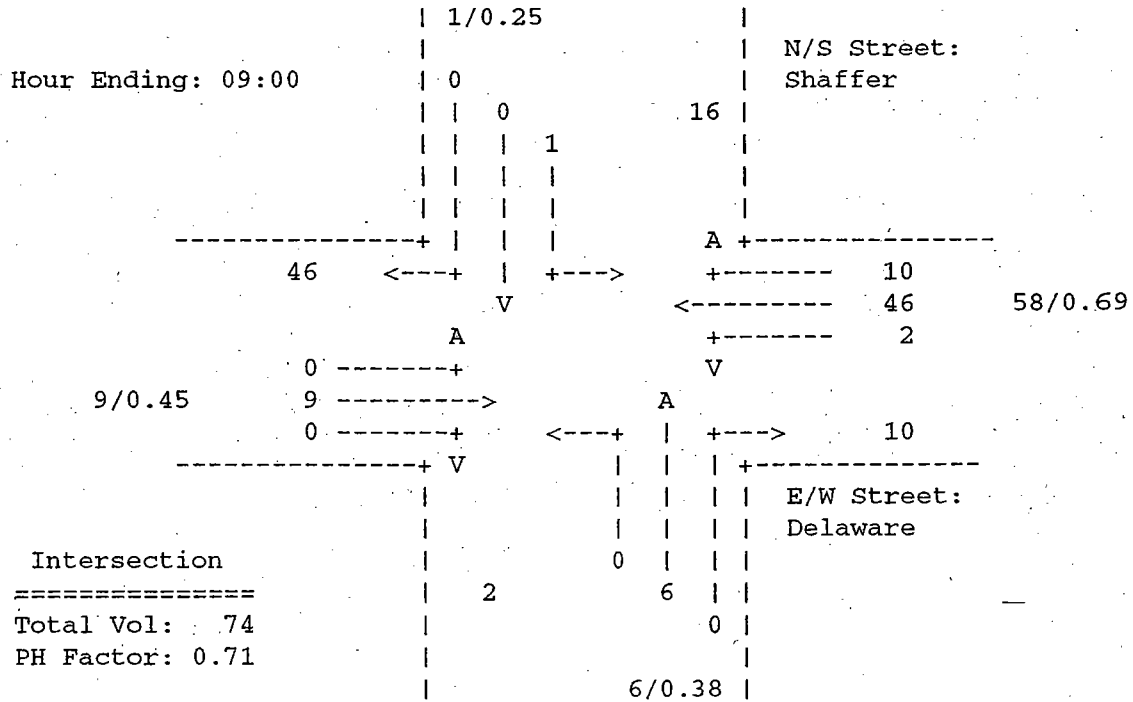
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #9  
 Wednesday  
 Foggy and cool

SUM-IT  
 COUNT DATE  
 05/16/01

1 - Shaffer and Delaware

MORNING PEAK



1 - Shaffer and Delaware

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	0	0	2	1	8	0	0	2	0	0	8	0	21*
16:30	0	0	3	2	12	0	0	3	0	0	13	0	33*
16:45	0	0	3	3	12	0	0	4	0	0	22	0	44*
17:00	0	0	4	3	13	0	0	5	0	0	29	0	54
17:15	0	0	3	5	8	0	0	4	0	0	32	0	52
17:30	0	0	2	5	8	0	0	5	0	0	35	0	55
17:45	0	0	4	5	10	0	0	4	0	0	31	0	54
18:00	0	0	5	8	12	0	0	4	0	0	32	0	61

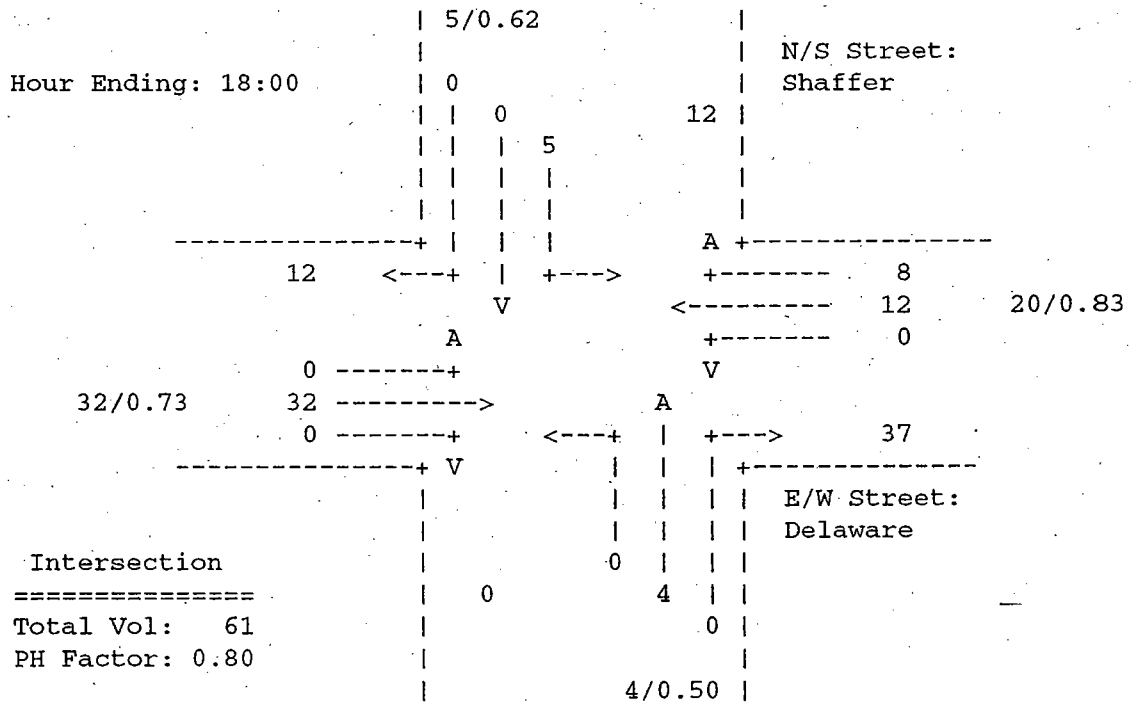
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #9  
 Tuesday  
 Warm

SUM-IT  
 COUNT DATE  
 05/15/01

1 - Shaffer and Delaware

EVENING PEAK



1 - Swanton Ave. and Delaware Ave.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	0	0	0	25	3	4	0	10	5	24	0	71*
07:30	0	0	0	0	43	6	8	0	14	13	45	0	129*
07:45	0	0	0	0	61	10	10	0	20	24	65	0	190*
08:00	0	0	0	0	95	17	16	0	38	34	80	0	280
08:15	0	0	0	0	115	19	18	0	49	37	70	0	308
08:30	0	0	0	0	138	22	23	0	54	38	60	0	335
08:45	0	0	0	0	152	25	27	0	55	34	50	0	343
09:00	0	0	0	0	151	30	31	0	44	32	49	0	337

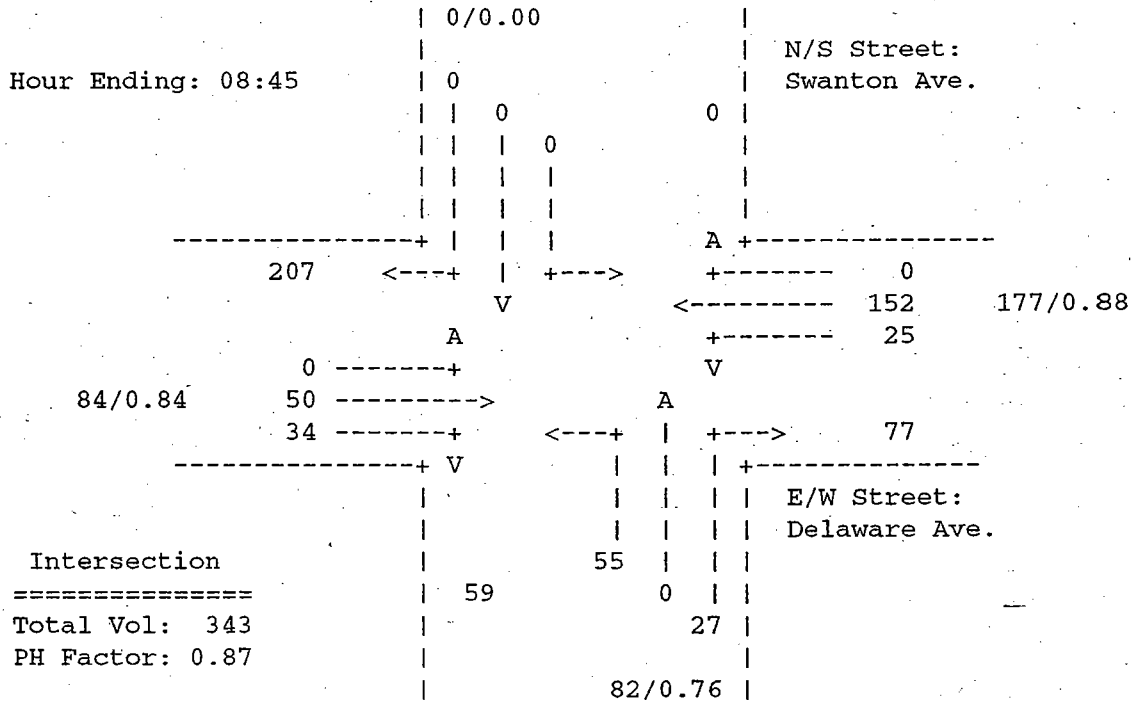
\* indicates partial hour total.

City of Santz Cruz - UCSC Long Marine Lab #10  
 Thursday  
 overcast

SUM-IT  
 COUNT DATE  
 05/10/01

1 - Swanton Ave. and Delaware Ave.

MORNING PEAK



1 - Swanton Ave. and Delaware Ave.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	0	0	0	0	25	6	10	0	18	22	29	0	110*
16:30	0	0	0	0	43	16	20	0	32	32	60	0	203*
16:45	0	0	0	0	62	30	44	0	44	52	99	0	331*
17:00	0	0	0	0	85	42	63	0	58	66	135	0	449
17:15	0	0	0	0	79	44	69	0	58	59	154	0	463
17:30	0	0	0	0	78	49	77	0	65	67	150	0	486
17:45	0	0	0	0	85	48	68	0	71	62	140	0	474
18:00	0	0	0	0	81	54	66	0	76	68	126	0	471

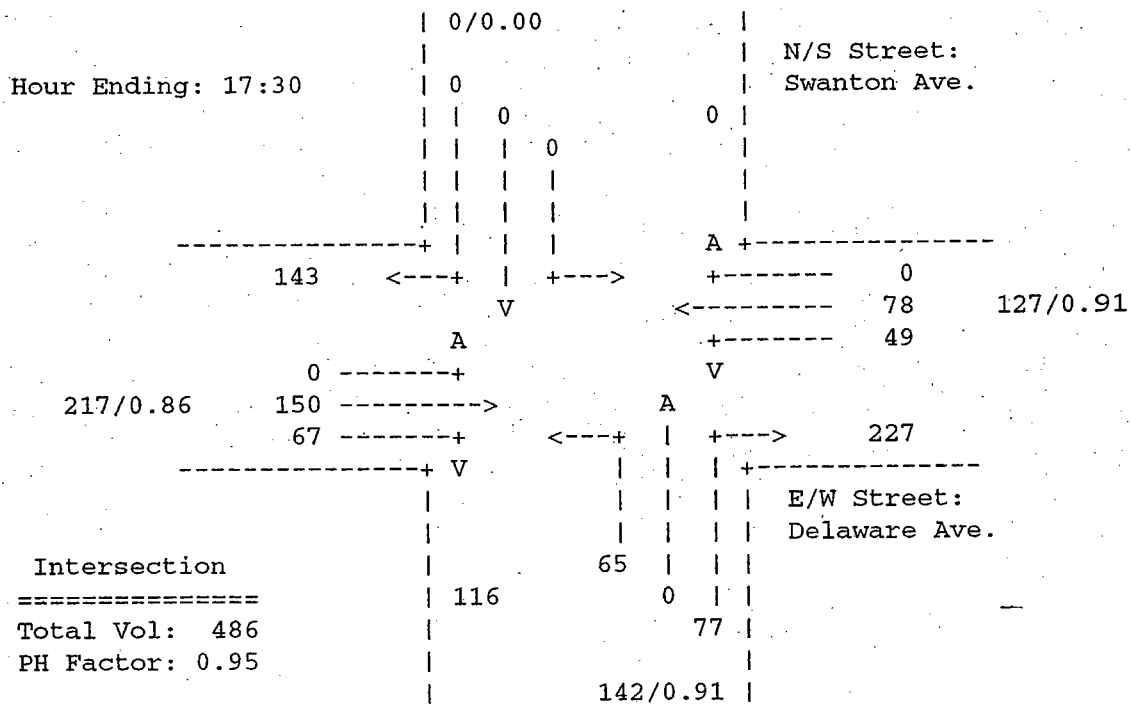
\* indicates partial hour total.

City of Santz Cruz - UCSC Long Marine Lab #10  
 Thursday  
 clear

SUM-IT  
 COUNT DATE  
 05/10/01

1 - Swanton Ave. and Delaware Ave.

EVENING PEAK



1 - Swift and Delaware

HOURLY SUMMARY

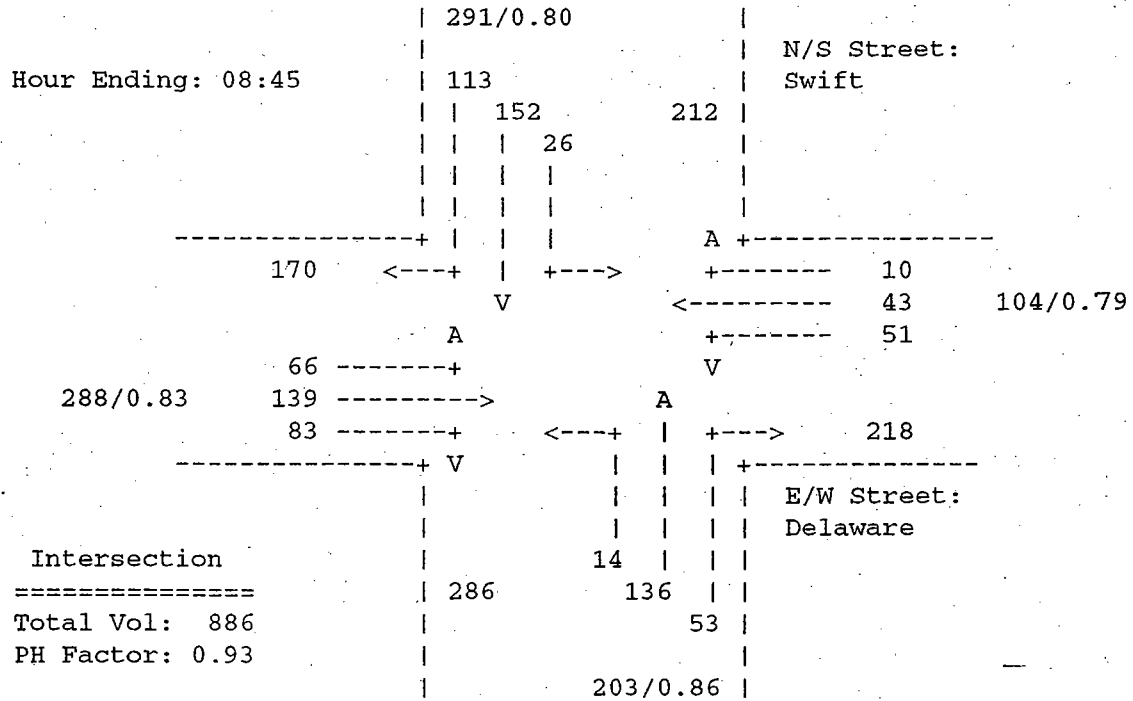
Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	26	10	3	2	12	25	4	16	0	6	18	1	123*
07:30	47	22	5	3	16	39	9	31	4	16	30	5	227*
07:45	70	48	13	6	29	52	19	59	6	25	50	12	389*
08:00	91	81	17	8	38	69	31	85	8	45	90	26	589
08:15	89	119	20	8	32	51	41	111	11	61	109	53	705
08:30	89	144	24	10	43	52	52	130	12	69	129	60	814
08:45	113	152	26	10	43	51	53	136	14	83	139	66	886
09:00	106	142	32	11	43	50	50	139	15	79	120	63	850

City of Santa Cruz - UCSC Long Marine Lab #11  
Thursday

SUM-IT  
COUNT DATE  
05/17/01

1 - Swift and Delaware

MORNING PEAK



1 - Swift and Delaware

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	19	40	19	7	38	16	7	18	0	7	17	2	190*
16:30	30	72	29	11	68	29	10	36	0	17	31	9	342*
16:45	44	104	31	18	128	56	20	57	0	28	48	14	548*
17:00	54	146	51	23	177	89	29	81	2	37	58	25	772
17:15	56	148	45	17	214	92	30	86	4	44	57	29	822
17:30	51	143	45	14	218	92	30	93	7	46	62	30	831
17:45	50	143	57	9	190	84	25	95	9	44	60	35	801
18:00	50	136	56	8	170	64	26	85	8	45	70	30	748

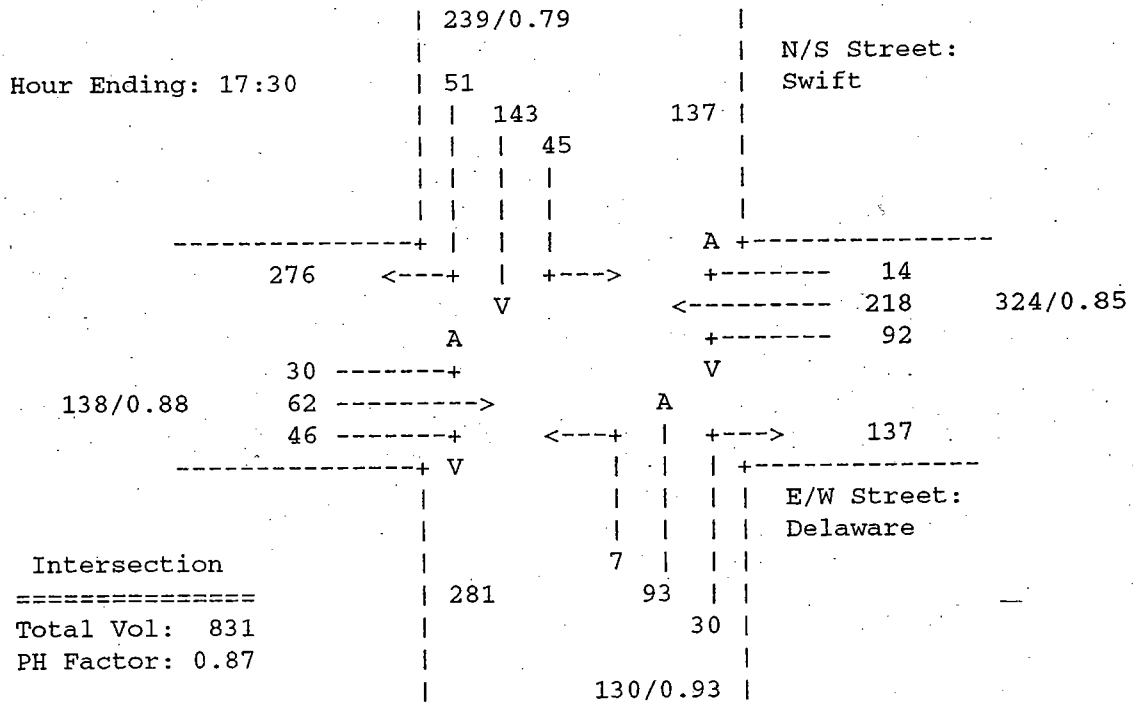
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #11  
 Wednesday  
 Sunny and windy

SUM-IT  
 COUNT DATE  
 05/16/01

1 - Swift and Delaware

EVENING PEAK



1 - Almar and Delaware

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	12	2	4	21	6	4	3	1	0	12	2	67*
07:30	6	26	5	9	45	7	5	8	3	0	44	7	165*
07:45	9	35	6	25	118	8	10	39	9	5	93	21	378*
08:00	24	53	8	27	143	9	12	65	10	8	116	30	505
08:15	35	47	8	30	211	3	11	79	9	9	137	37	616
08:30	30	37	12	26	244	3	12	82	8	10	146	37	647
08:45	37	42	18	14	252	4	8	73	5	5	150	35	643
09:00	26	33	18	19	257	5	8	55	6	2	152	32	613

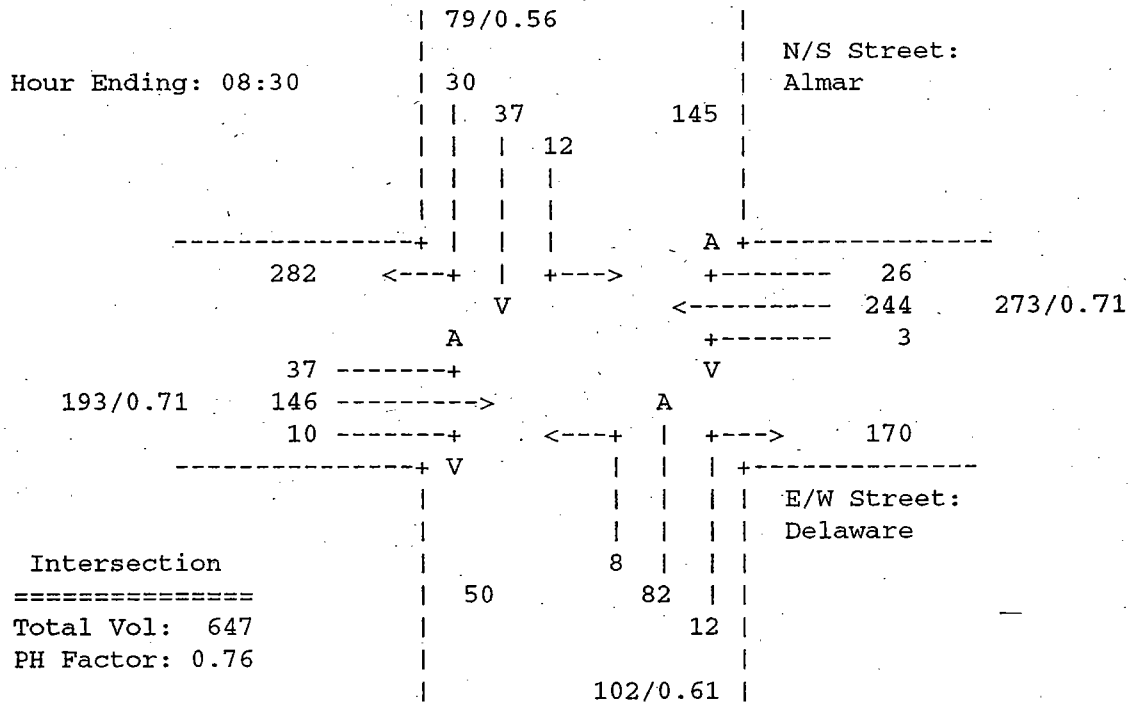
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #12  
Thursday

SUM-IT  
COUNT DATE  
05/17/01

1 - Almar and Delaware

MORNING PEAK





1 - Almar and Delaware

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	2	17	6	11	45	6	3	12	7	2	72	7	190*
16:30	6	31	8	17	90	10	19	26	16	7	153	18	401*
16:45	11	45	9	18	125	15	22	43	19	8	187	23	525*
17:00	15	58	12	33	162	21	27	55	28	9	218	37	675
17:15	16	62	11	33	159	20	31	58	28	9	304	45	776
17:30	16	58	11	37	152	26	25	70	28	5	273	52	753
17:45	14	59	12	39	158	26	29	62	30	6	297	58	790
18:00	11	63	12	34	165	24	37	72	29	11	336	53	847

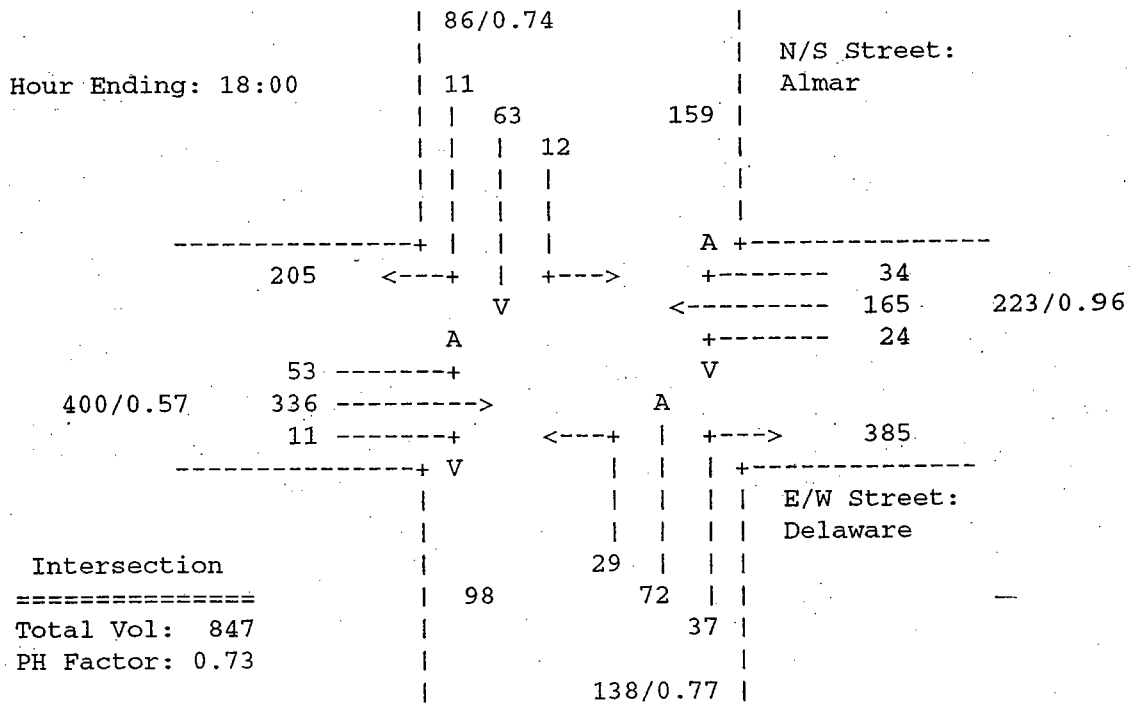
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #12  
 Wednesday  
 Warm

SUM-IT  
 COUNT DATE  
 05/16/01

1 - Almar and Delaware

EVENING PEAK



1 - Laguna and Bay

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	0	0	0	28	15	12	0	0	0	21	0	76*
07:30	0	0	0	0	57	37	32	0	5	3	59	0	193*
07:45	0	0	0	0	107	68	61	0	11	6	87	0	340*
08:00	0	0	0	0	170	120	108	0	21	11	149	0	579
08:15	0	0	0	0	212	147	129	0	24	13	178	0	703
08:30	0	0	0	0	232	159	148	0	20	15	208	0	782
08:45	0	0	0	0	230	158	147	0	19	12	217	0	783
09:00	0	0	0	0	221	137	132	0	13	8	186	0	697

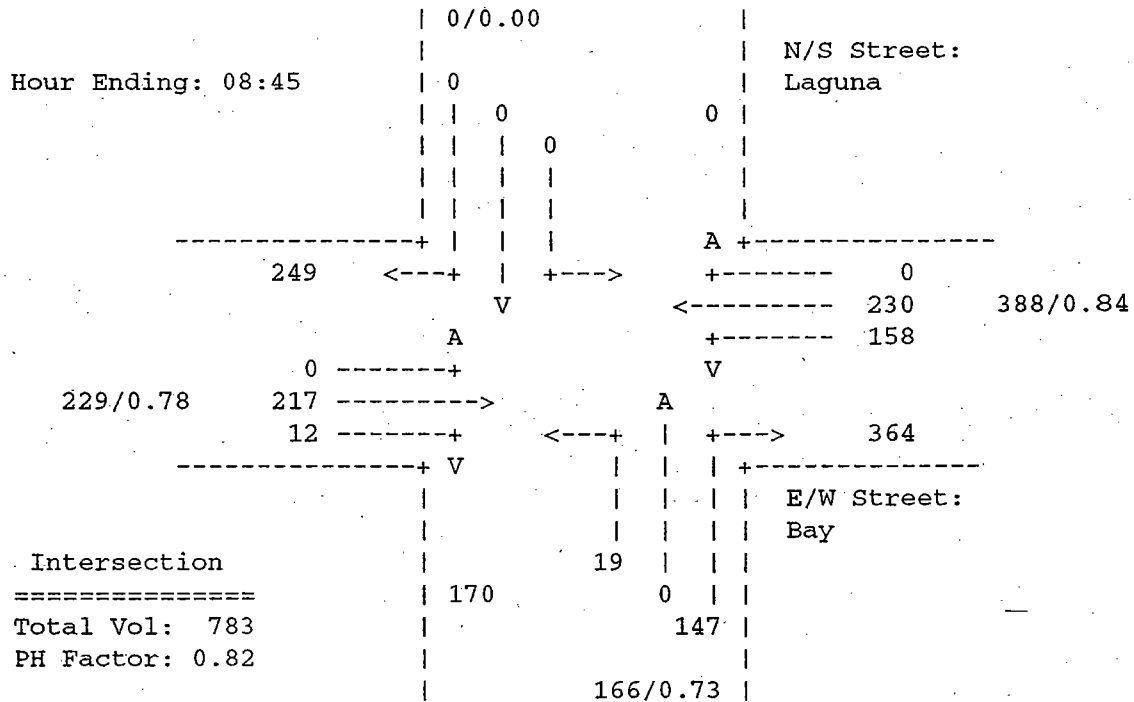
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marina Lab #14  
 Tuesday  
 Fair

SUM-IT  
 COUNT DATE  
 05/15/01

1 - Laguna and Bay

MORNING PEAK



1 - Laguna and Bay

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	0	0	0	0	50	19	35	0	2	0	53	0	159*
16:30	0	0	0	0	77	35	59	0	5	3	93	0	272*
16:45	0	0	0	0	152	75	129	0	14	10	170	0	550*
17:00	0	0	0	0	203	114	173	0	19	12	223	0	744
17:15	0	0	0	0	229	153	190	0	21	18	254	0	865
17:30	0	0	0	0	254	181	203	0	23	15	274	0	950
17:45	0	0	0	0	214	158	150	0	16	11	229	0	778
18:00	0	0	0	0	245	173	144	0	15	12	255	0	844

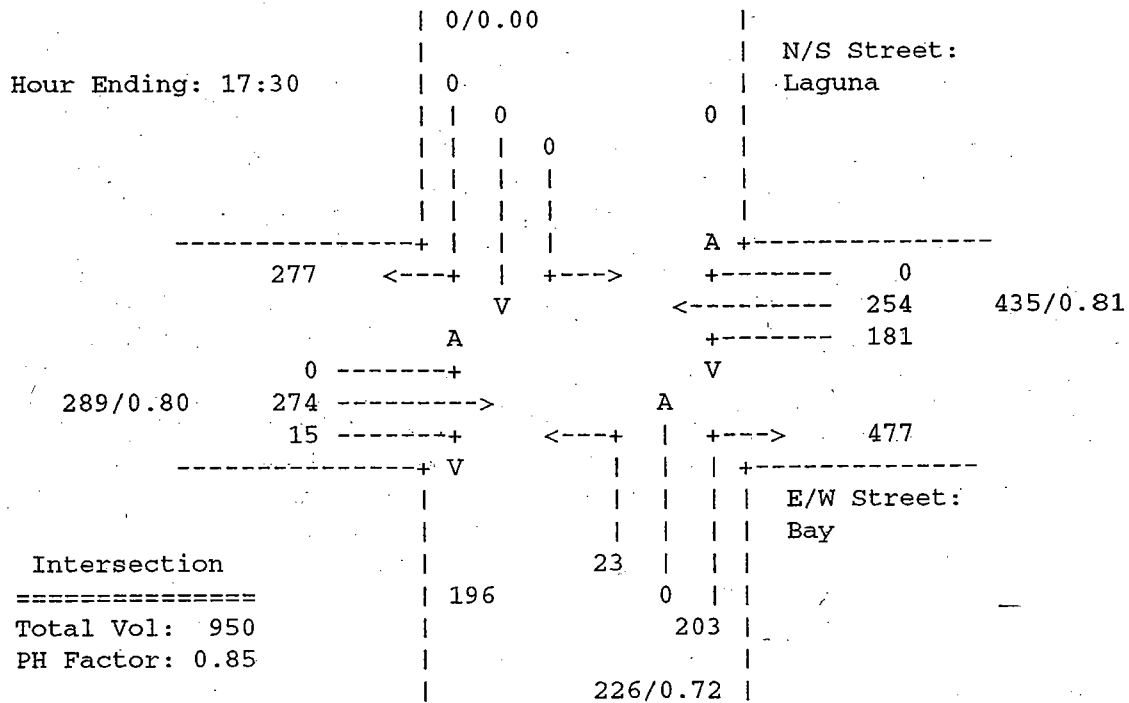
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marina Lab #14  
 Tuesday  
 Fair

SUM-IT  
 COUNT DATE  
 05/15/01

1 - Laguna and Bay

EVENING PEAK



1 - Bay Dr. and Escalana Dr.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	3	36	4	1	2	0	0	31	2	3	3	1	86*
07:30	8	92	15	3	3	0	2	91	3	9	8	1	235*
07:45	12	177	39	17	6	0	4	191	6	26	11	4	493*
08:00	19	257	96	51	10	4	11	334	12	34	33	7	868
08:15	18	297	105	79	11	7	19	441	15	49	39	6	1086
08:30	21	336	106	100	13	11	18	490	23	63	43	10	1234
08:45	18	333	89	100	11	12	17	497	27	66	46	11	1227
09:00	12	326	41	77	10	10	11	453	26	65	31	10	1072

\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #17  
Tuesday

SUM-IT  
COUNT DATE  
05/15/01

1 - Bay Dr. and Escalana Dr.

MORNING PEAK

			463/0.80				
			21				N/S Street:
Hour Ending: 08:30			336			600	Bay Dr.
			106				
			-----+			A +-----	
			57 <----+   +---->			+----- 100	
						<----- 13	124/0.74
						+----- 11	
			A			V	
			10 -----+				
			116/0.88 43 ----->			A	
			63 -----+			<----+   +---->	167
			-----+ V			+-----	
							E/W Street:
							Escalana Dr.
Intersection						23	
===== Total Vol: 1234			410			490	
PH Factor: 0.82						18	
						531/0.85	

1 - Bay Dr. and Escalana Dr.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	11	174	26	7	5	5	7	108	15	19	4	7	388*
16:30	17	257	41	15	14	5	10	192	23	29	4	10	617*
16:45	23	398	60	28	22	5	16	326	34	38	4	16	970*
17:00	38	573	83	53	26	5	22	478	41	44	14	22	1399
17:15	36	592	111	66	25	0	21	522	42	32	13	21	1481
17:30	43	736	156	72	24	0	23	569	55	29	17	23	1747
17:45	43	708	155	78	24	2	20	543	50	31	21	20	1695
18:00	37	683	155	69	25	4	17	504	57	32	12	17	1612

\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #17  
Wednesday

SUM-IT  
COUNT DATE  
05/30/01

1 - Bay Dr. and Escalana Dr.

EVENING PEAK

Hour Ending: 17:30	935/0.78	N/S Street: Bay Dr.
43	736	664
156		
122	122	72
	V	24
	A	0
23		V
69/0.78	17	A
29	29	196
	V	
Intersection	55	E/W Street: Escalana Dr.
Total Vol: 1747	765	569
PH Factor: 0.88		23
	647/0.93	

1 - Bay and Iowa/Nobel

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	1	43	4	0	1	7	5	10	4	4	37	2	118*
07:30	1	83	6	1	2	11	17	14	8	11	103	4	261*
07:45	3	177	8	2	8	16	32	25	16	21	207	5	520*
08:00	3	279	9	7	11	24	53	40	26	26	369	13	860
08:15	6	318	12	10	20	23	64	65	31	39	447	21	1056
08:30	8	368	13	16	33	33	64	68	33	41	500	21	1198
08:45	17	350	11	15	33	34	60	65	32	35	495	27	1174
09:00	21	327	12	13	35	31	52	55	30	40	474	31	1121

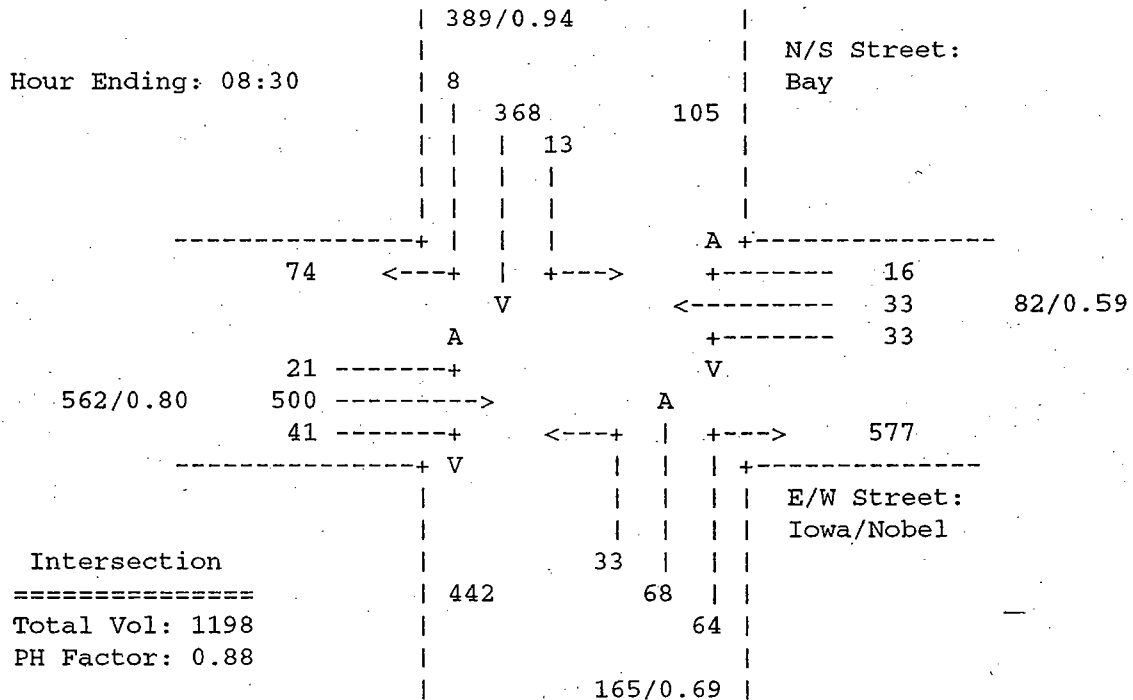
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #18  
 Wednesday  
 Sunny and warm

SUM-IT  
 COUNT DATE  
 05/23/01

1 - Bay and Iowa/Nobel

MORNING PEAK



1 - Bay and Iowa/Nobel

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	9	152	3	1	11	11	9	76	7	11	8	5	303*
16:30	15	307	7	4	23	23	22	165	19	23	11	10	629*
16:45	25	462	16	6	35	30	31	298	28	34	19	23	1007*
17:00	36	642	20	7	45	35	38	499	38	45	24	39	1468
17:15	51	734	22	9	42	37	38	545	51	50	23	46	1648
17:30	58	797	19	8	40	32	38	564	50	55	26	49	1736
17:45	66	806	13	11	38	33	36	553	55	66	22	39	1738
18:00	63	769	12	15	34	33	38	457	56	68	27	32	1604

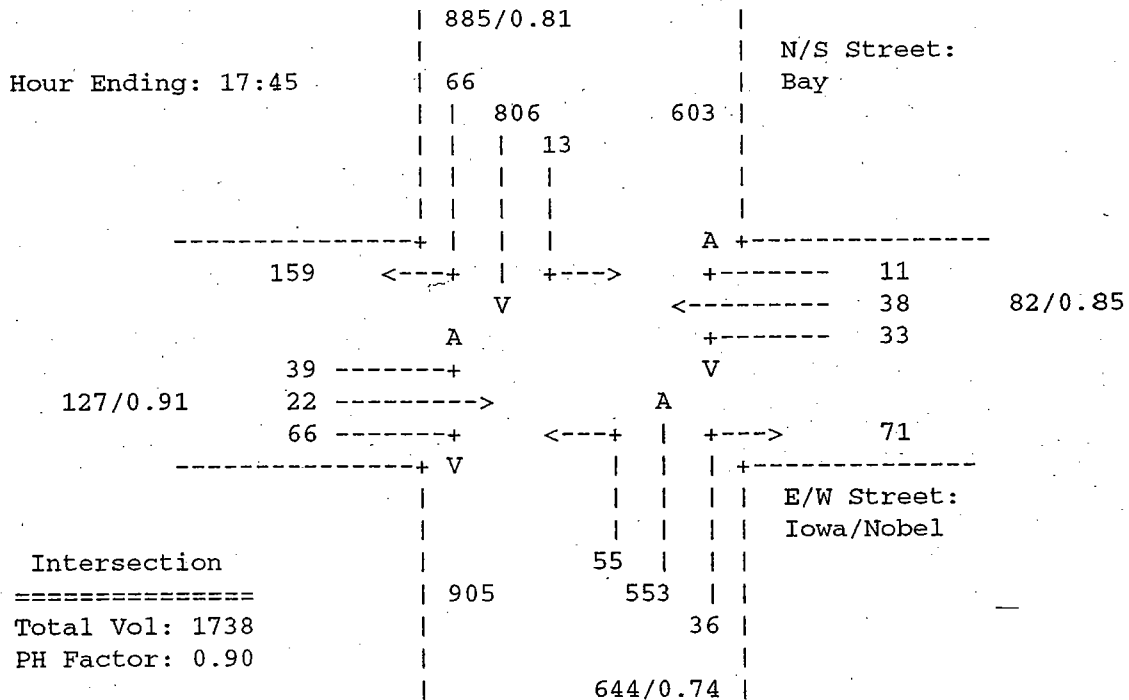
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #18  
 Wednesday  
 Sunny and warm

SUM-IT  
 COUNT DATE  
 05/23/01

1 - Bay and Iowa/Nobel

EVENING PEAK



1 - California and Laurel

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	8	1	2	50	2	14	23	8	1	42	1	152*
07:30	2	18	2	8	109	11	36	54	16	1	94	9	360*
07:45	6	34	2	16	181	35	78	107	28	7	148	20	662*
08:00	15	69	6	34	282	63	135	153	46	10	223	28	1064
08:15	28	103	10	45	326	106	181	180	54	11	261	32	1337
08:30	28	118	12	40	352	134	227	201	64	14	283	24	1497
08:45	26	142	13	34	362	142	235	193	63	15	280	17	1522
09:00	20	126	13	20	354	139	246	202	57	17	277	12	1483

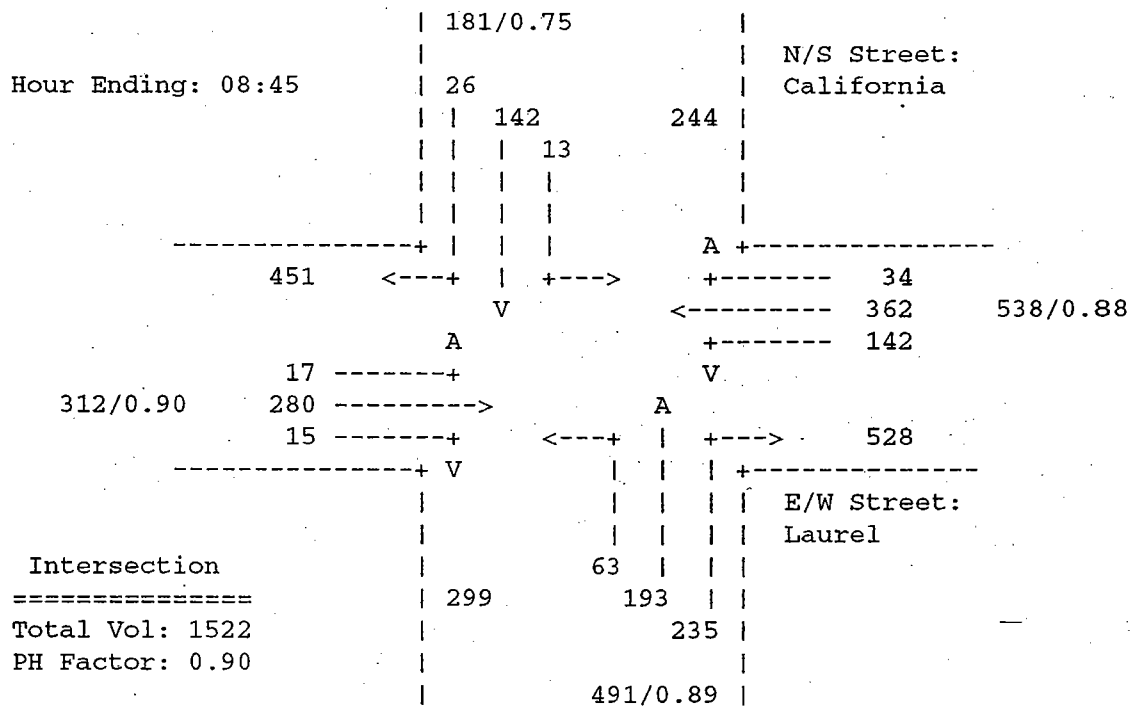
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #20  
Wednesday

SUM-IT  
COUNT DATE  
05/23/01

1 - California and Laurel

MORNING PEAK





1 - California and Laurel

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	6	30	7	10	84	29	61	36	7	2	136	1	409*
16:30	11	68	9	13	167	65	115	64	12	5	250	3	782*
16:45	17	115	15	14	293	97	176	97	19	13	366	5	1227*
17:00	27	159	27	17	418	133	232	130	24	20	495	8	1690
17:15	27	178	26	10	429	135	228	138	25	22	474	11	1703
17:30	26	188	27	14	461	135	241	160	30	23	513	15	1833
17:45	24	199	24	21	449	137	222	173	28	19	535	16	1847
18:00	16	192	14	24	458	144	225	171	29	16	514	21	1824

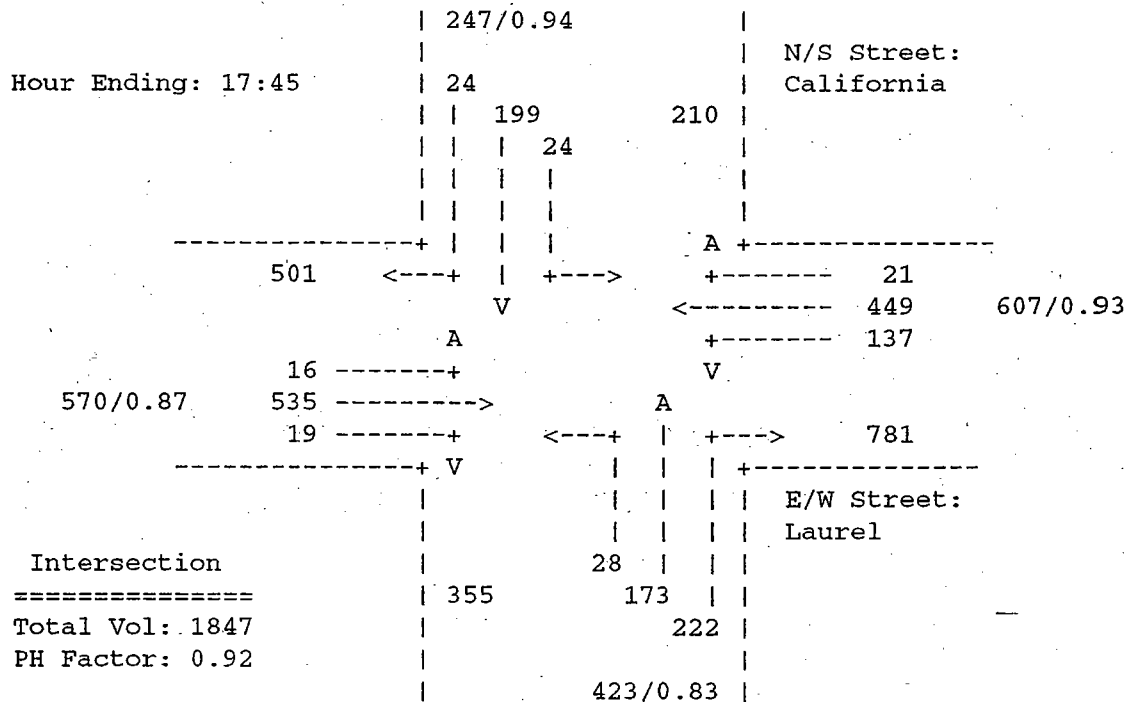
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #20  
Wednesday

SUM-IT  
COUNT DATE  
05/23/01

1 - California and Laurel

EVENING PEAK



1 - River St. and Highway 1

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	29	23	42	111	300	46	24	24	3	8	300	33	943*
07:30	52	53	117	280	629	89	62	78	7	19	608	66	2060*
07:45	96	94	186	457	1056	161	129	127	12	28	1037	103	3486*
08:00	130	119	289	659	1446	254	179	176	18	40	1502	155	4967
08:15	134	128	344	741	1525	313	217	205	23	42	1677	186	5535
08:30	137	128	374	746	1539	353	238	204	26	44	1807	168	5764
08:45	125	114	415	697	1466	369	251	194	35	50	1763	225	5704
09:00	115	118	427	637	1395	361	277	186	47	55	1687	235	5540

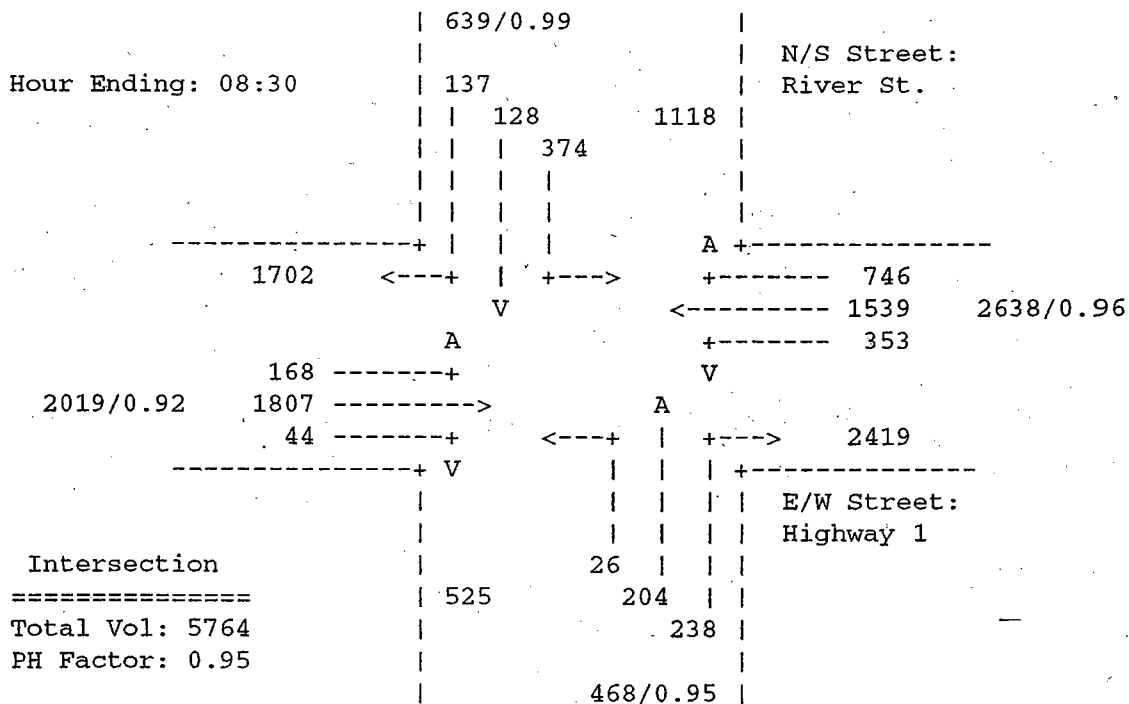
\* indicates partial hour total.

City of Santz Cruz - UCSC Long Marine Lab #24  
 Wednesday  
 light fog

SUM-IT  
 COUNT DATE  
 05/16/01

1 - River St. and Highway 1

MORNING PEAK



1 - River St. and Highway 1

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	39	57	170	126	297	81	76	71	26	16	342	70	1371*
16:30	85	119	351	251	648	163	150	137	36	32	677	152	2801*
16:45	132	158	479	375	1001	284	230	193	61	56	1045	217	4231*
17:00	159	226	675	500	1307	379	326	269	93	65	1383	273	5655
17:15	150	229	681	494	1482	384	348	249	87	61	1298	285	5748
17:30	150	215	677	491	1423	377	399	252	96	56	1363	265	5764
17:45	154	215	685	484	1465	348	405	253	90	38	1352	271	5760
18:00	182	184	640	452	1541	335	366	229	72	39	1309	267	5616

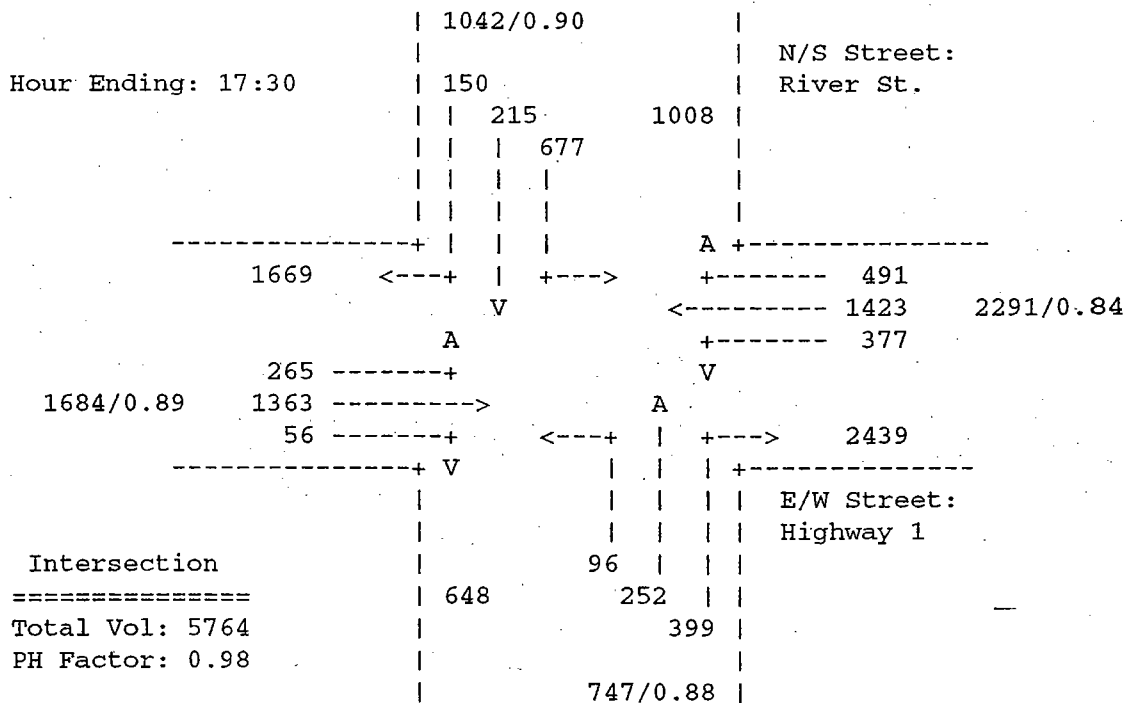
\* indicates partial hour total.

City of Santz Cruz - UCSC Long Marine Lab #24  
 Wednesday  
 clear

SUM-IT  
 COUNT DATE  
 05/16/01

1 - River St. and Highway 1

EVENING PEAK



1 - Western and Rt. 1

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	2	3	13	8	66	10	3	5	2	0	24	3	139*
07:30	4	10	36	22	144	26	5	9	4	1	62	4	327*
07:45	8	19	60	37	198	44	7	16	5	3	112	10	519*
08:00	14	36	80	53	269	62	10	28	8	6	202	17	785
08:15	19	56	111	64	255	70	13	34	10	10	211	19	872
08:30	24	72	115	71	247	71	14	43	9	14	226	23	929
08:45	28	80	117	73	270	68	13	44	10	14	224	23	964
09:00	25	78	121	79	259	64	16	41	10	12	208	19	932

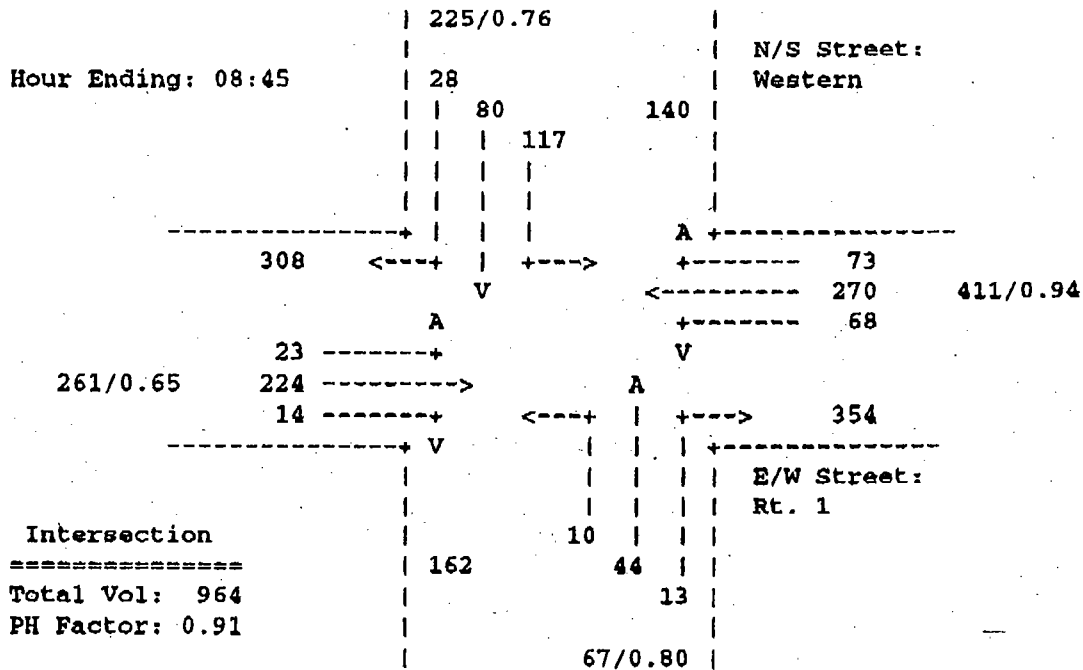
\* indicates partial hour total.

City of Santa Cruz - USCS Long Marine Lab #1  
Wednesday

SUM-IT  
COUNT DATE  
5/22/02

1 - Western and Rt. 1

MORNING PEAK



1 - Western and Rt. 1

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	4	21	31	21	101	9	21	14	3	10	151	6	392*
16:30	9	34	60	48	193	14	29	27	6	17	263	13	713*
16:45	14	55	92	96	291	18	49	45	19	22	405	15	1121*
17:00	17	82	125	126	375	25	56	64	25	27	500	23	1445
17:15	18	76	119	146	366	23	56	75	28	19	443	20	1389
17:30	18	82	114	145	358	26	64	79	27	14	439	23	1389
17:45	17	76	112	147	349	31	49	71	17	12	393	23	1297
18:00	18	60	110	185	351	30	48	65	12	12	392	16	1299

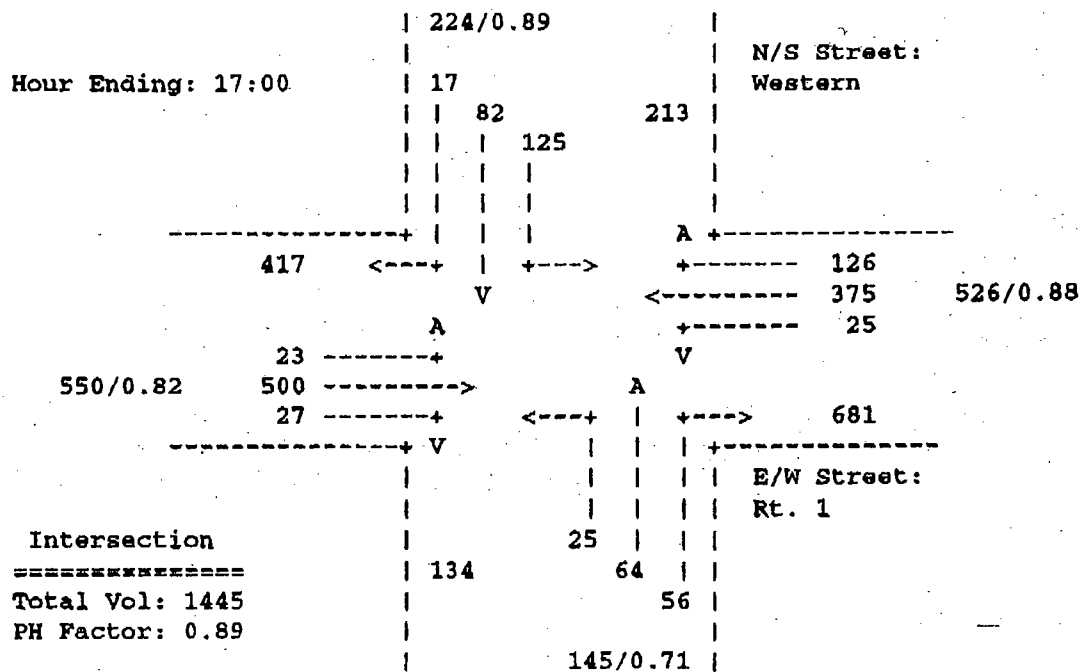
\* indicates partial hour total.

City of Santa Cruz - USCS Long Marine Lab #1  
Wednesday

SUM-IT  
COUNT DATE  
6/5/02

1 - Western and Rt. 1

EVENING PEAK



1 - King/Union and Mission St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	1	0	123	8	194	4	5	0	0	0	161	0	496*
07:30	2	0	254	27	394	5	6	0	1	0	382	0	1071*
07:45	5	0	440	47	596	6	9	0	1	0	589	0	1693*
08:00	12	0	657	82	856	12	12	0	3	0	866	0	2500
08:15	12	0	772	100	882	14	9	3	3	1	944	1	2741
08:30	15	0	869	104	950	17	14	4	4	2	980	2	2961
08:45	14	0	922	108	984	21	13	5	5	3	1046	2	3123
09:00	7	0	922	104	1002	19	14	6	3	5	1037	4	3123

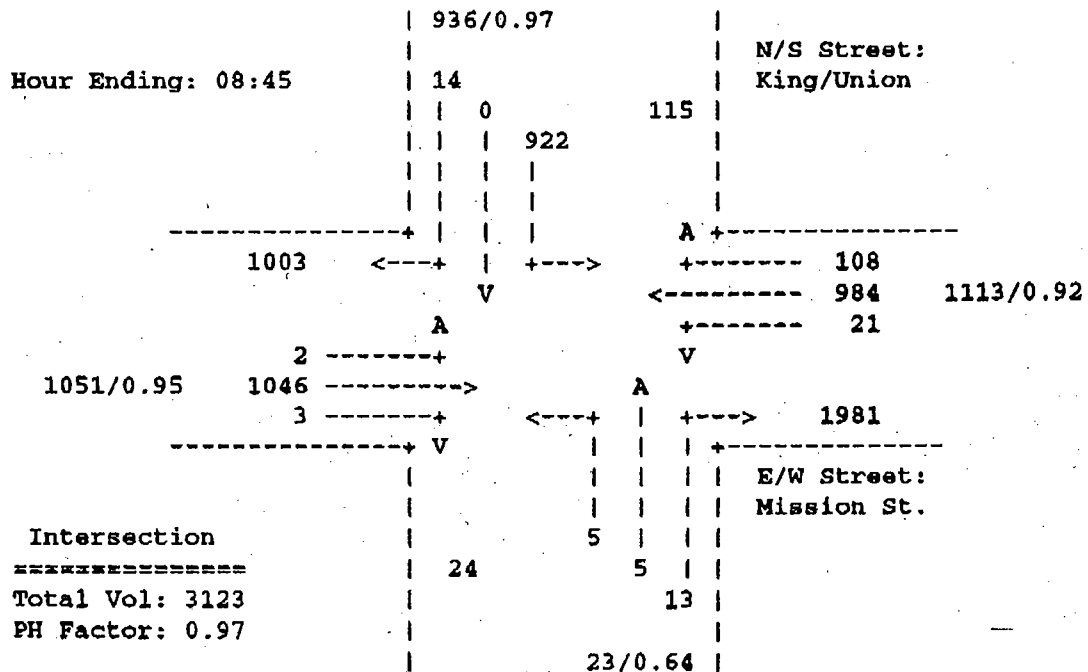
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #8  
Wednesday

SUM-IT  
COUNT DATE  
5/29/02

1 - King/Union and Mission St.

MORNING PEAK



1 - King/Union and Mission St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	3	0	212	29	253	1	2	0	1	0	253	0	754*
16:30	3	0	454	65	493	5	4	0	1	0	518	0	1543*
16:45	4	0	635	100	744	6	6	1	1	0	768	0	2265*
17:00	8	1	827	138	1017	9	8	2	3	2	1023	2	3040
17:15	6	1	800	168	1062	20	13	3	4	4	1025	4	3110
17:30	11	4	756	182	1134	18	12	3	7	5	1039	5	3176
17:45	10	4	777	195	1169	25	14	4	10	5	1025	5	3243
18:00	7	3	815	205	1186	28	20	4	10	3	973	4	3258

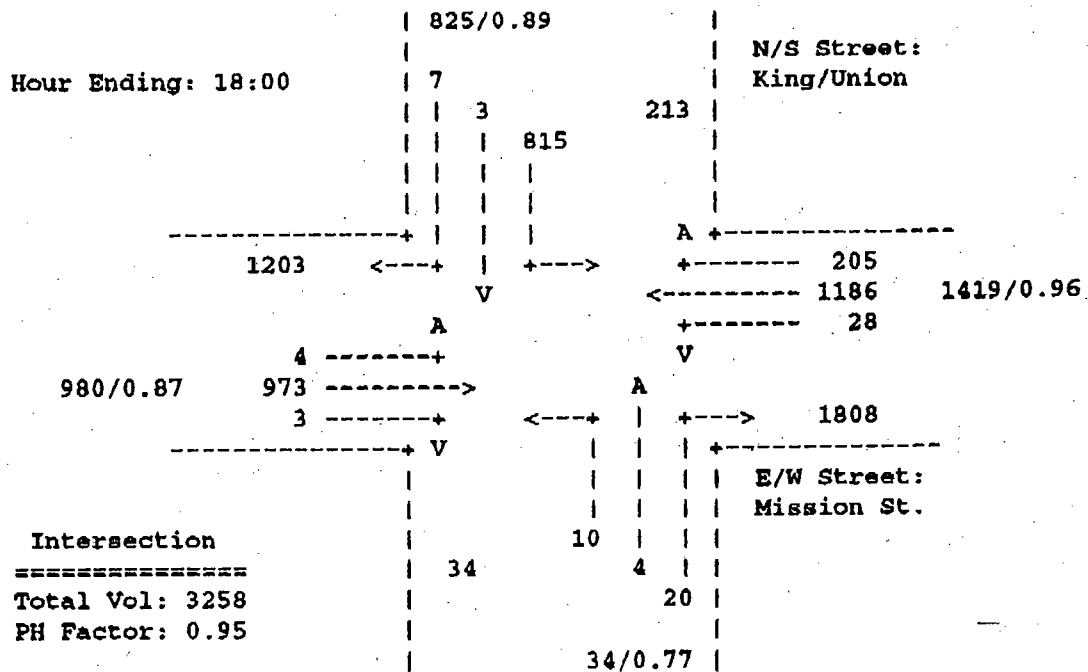
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #8  
Wednesday

SUM-IT  
COUNT DATE  
5/29/02

1 - King/Union and Mission St.

EVENING PEAK



1 - Chestnut/Rt. 1 and Mission St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	260	50	11	4	37	2	1	53	6	5	41	242	712*
07:30	717	107	31	18	78	4	3	132	12	14	97	578	1791*
07:45	1131	159	45	30	163	8	5	253	31	24	163	959	2971*
08:00	1581	274	65	44	243	12	24	399	47	34	243	1420	4386
08:15	1814	279	80	72	298	10	32	506	60	36	323	1654	5164
08:30	1716	308	82	82	342	9	42	602	66	47	345	1806	5447
08:45	1649	323	84	116	348	5	44	594	60	51	381	1828	5483
09:00	1572	328	95	121	331	3	31	629	62	57	399	1792	5420

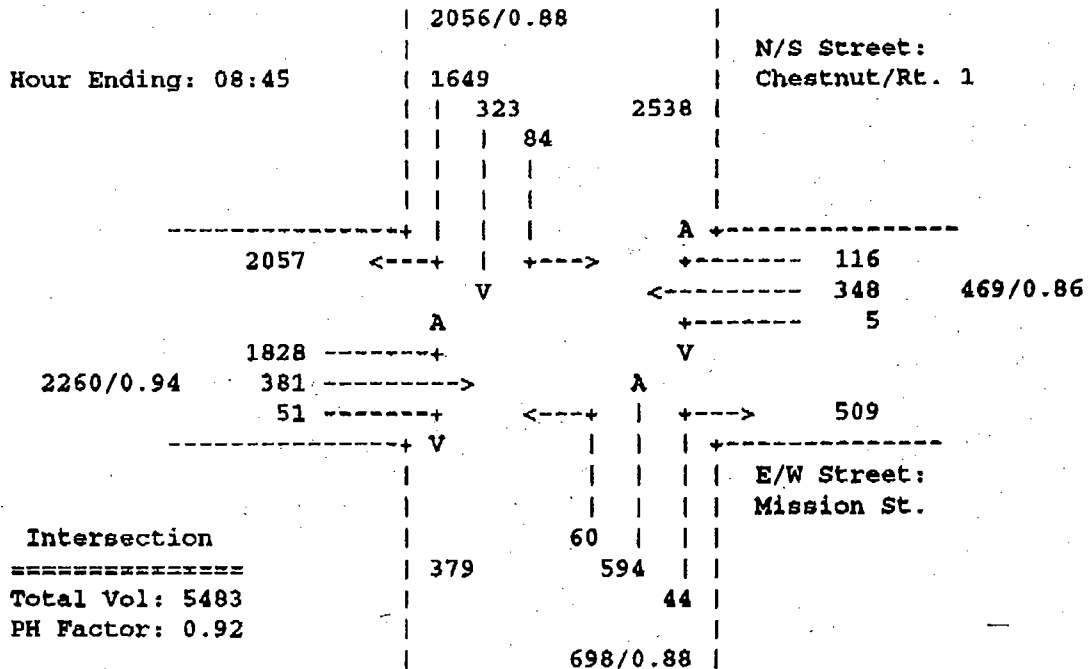
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #9  
Tuesday

SUM-IT  
COUNT DATE  
6/4/02

1 - Chestnut/Rt. 1 and Mission St.

MORNING PEAK





1 - Chestnut/Rt. 1 and Mission St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	307	75	26	18	90	1	5	95	24	16	101	350	1108*
16:30	809	166	40	39	181	5	12	187	47	41	254	772	2553*
16:45	1242	286	69	57	283	11	16	289	70	57	400	1129	3909*
17:00	1756	330	87	78	409	15	17	367	94	77	505	1550	5285
17:15	2012	375	81	78	461	18	17	398	102	64	535	1671	5812
17:30	2083	427	87	78	503	19	11	393	112	52	505	1802	6072
17:45	2164	420	74	84	527	20	12	398	112	48	489	1785	6133
18:00	2071	490	76	82	513	21	20	383	115	43	490	1708	6012

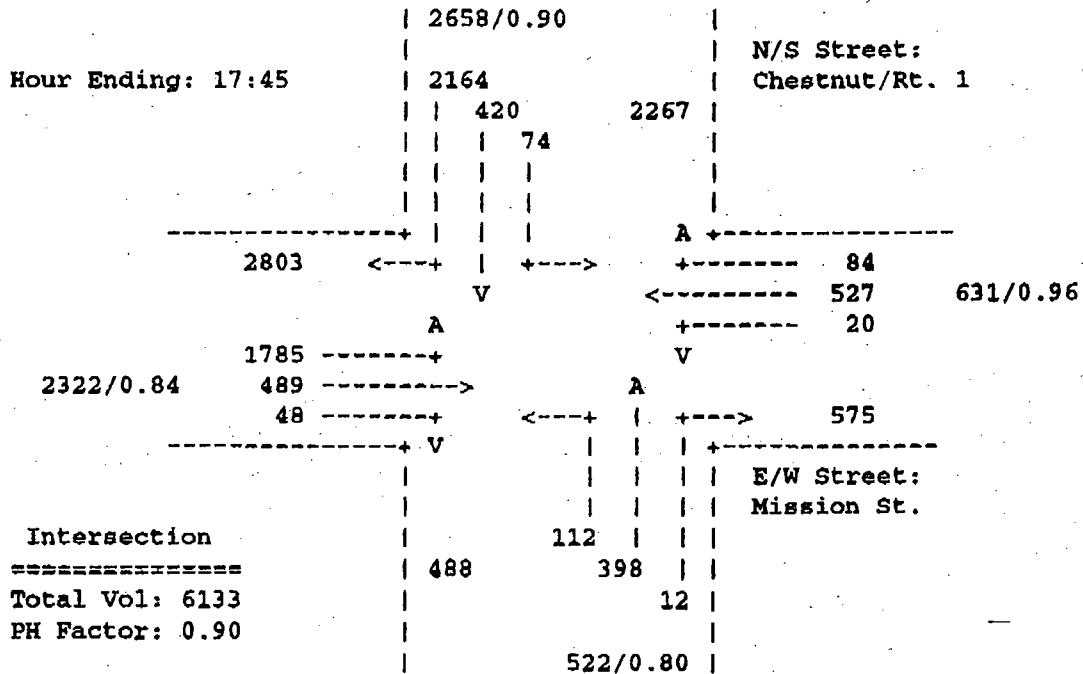
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #9  
Tuesday

SUM-IT  
COUNT DATE  
6/04/02

1 - Chestnut/Rt. 1 and Mission St.

EVENING PEAK



1 - Bay St. and King St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	31	11	3	10	2	2	30	2	11	4	6	112*
07:30	6	68	33	5	29	7	6	105	9	29	12	10	319*
07:45	8	113	56	9	38	17	14	150	11	62	21	20	519*
08:00	11	158	71	14	59	22	20	239	13	152	39	43	841
08:15	17	187	101	20	122	27	33	311	13	176	71	89	1167
08:30	13	190	115	20	157	25	61	331	8	184	79	107	1290
08:45	15	202	110	22	175	18	62	336	6	184	87	111	1328
09:00	14	235	120	22	190	19	67	372	8	129	95	106	1377

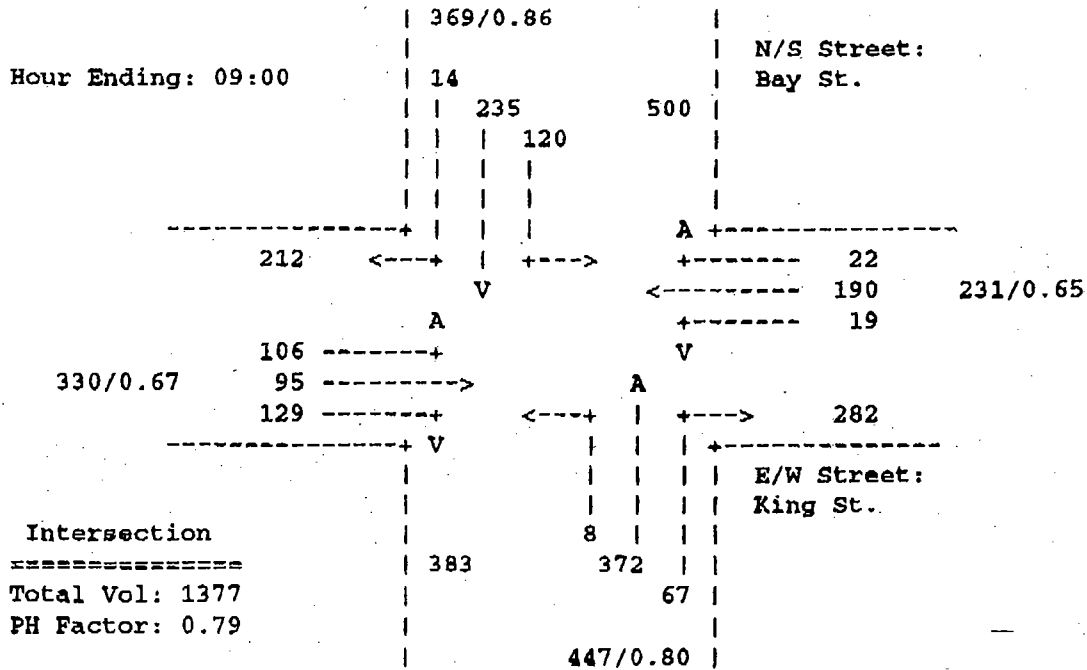
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #7  
Tuesday

SUM-IT  
COUNT DATE  
5/30/02

1 - Bay St. and King St.

MORNING PEAK



1 - Bay St. and King St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	6	121	50	39	32	22	22	87	4	8	46	9	446*
16:30	8	250	104	81	61	46	29	182	6	12	70	14	863*
16:45	11	378	174	137	95	66	51	279	12	19	101	19	1342*
17:00	11	469	206	180	114	75	56	369	16	27	128	22	1673
17:15	5	466	192	187	107	60	46	375	16	25	103	17	1599
17:30	12	512	213	207	134	52	52	423	15	24	119	18	1781
17:45	9	526	197	242	128	50	42	478	21	26	117	21	1857
18:00	10	532	209	284	145	49	48	499	22	25	121	28	1972

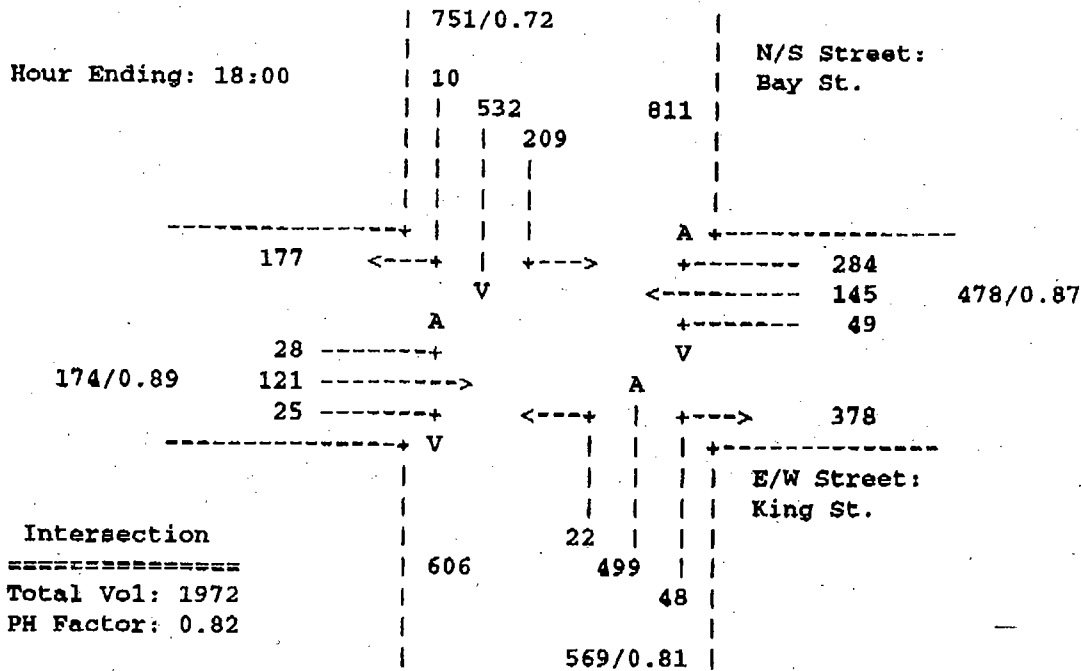
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #7  
Thursday

SUM-IT  
COUNT DATE  
5/30/02

1 - Bay St. and King St.

EVENING PEAK



1 - Bay St. and King St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	39	11	3	10	2	2	30	2	11	4	6	120*
07:30	6	96	33	5	39	7	6	105	9	29	12	10	357*
07:45	8	184	69	9	93	24	38	200	11	62	21	32	751*
08:00	11	229	84	14	166	29	44	289	13	152	39	55	1125
08:15	17	250	114	20	177	34	57	361	13	176	71	101	1391
08:30	13	238	115	20	157	32	61	331	8	184	79	107	1345
08:45	15	207	97	22	130	18	38	286	6	184	87	99	1189
09:00	14	240	107	22	93	19	43	322	8	154	95	94	1211

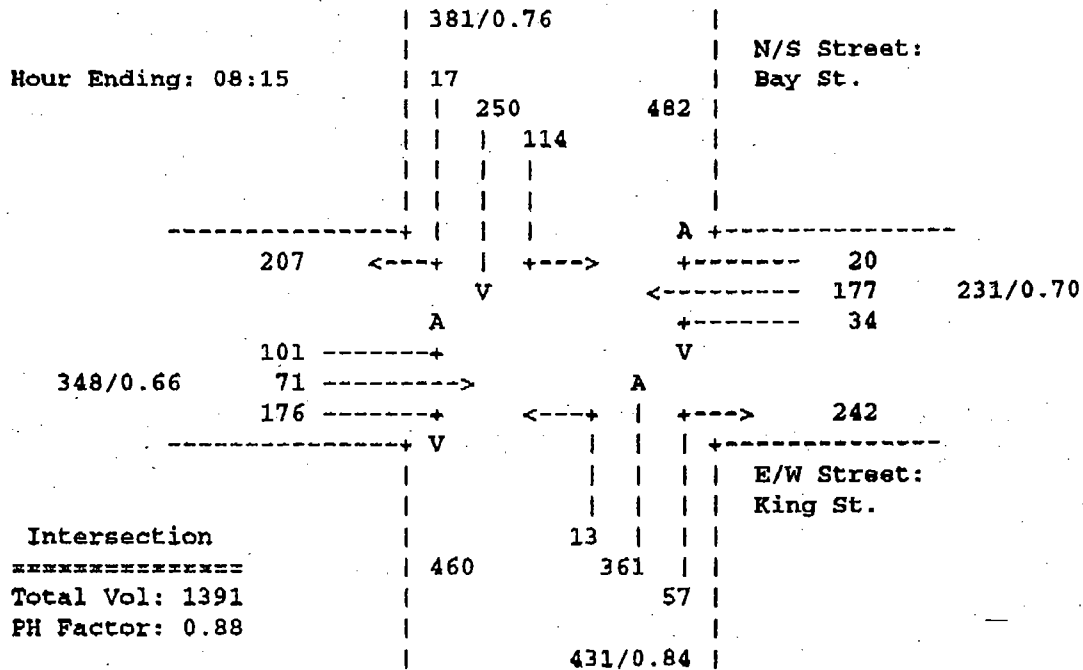
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #7  
Tuesday

SUM-IT  
COUNT DATE  
5/30/02

1 - Bay St. and King St.

MORNING PEAK



1 - Walnut St. and Mission St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	8	4	1	219	6	12	1	7	8	155	4	425*
07:30	1	28	12	4	393	16	26	5	11	23	336	5	860*
07:45	1	71	23	12	587	33	40	21	22	45	549	11	1415*
08:00	5	140	50	24	795	63	58	51	34	66	795	26	2107
08:15	9	163	70	27	761	69	62	79	38	68	832	24	2202
08:30	11	167	81	27	796	68	67	82	42	70	851	28	2290
08:45	11	155	80	20	802	59	69	78	44	60	846	23	2247
09:00	9	104	62	13	796	32	75	54	41	53	852	11	2102

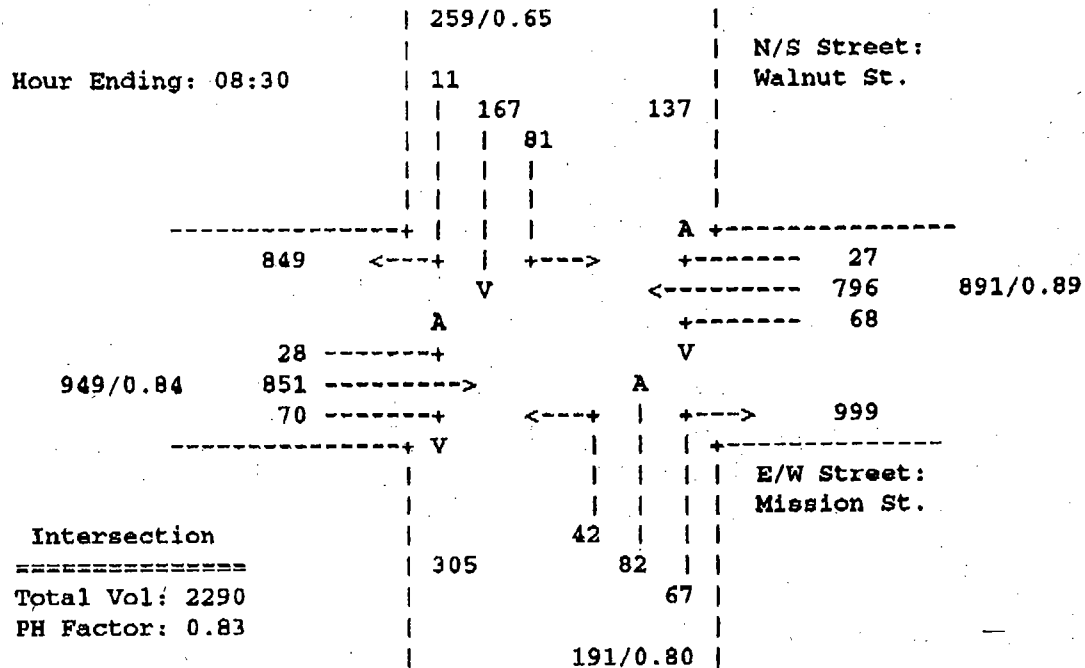
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #6  
Thursday

SUM-IT  
COUNT DATE  
5/30/02

1 - Walnut St. and Mission St.

MORNING PEAK



1 - Walnut St. and Mission St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	1	16	17	5	259	9	18	20	16	19	249	3	632*
16:30	4	53	40	14	556	18	36	39	36	31	483	4	1314*
16:45	7	77	52	21	821	20	53	56	52	54	752	5	1970*
17:00	7	103	61	23	1083	30	69	76	64	75	988	7	2586
17:15	8	113	70	23	1099	37	64	91	61	72	963	6	2607
17:30	5	129	69	20	1116	36	62	102	66	72	978	6	2661
17:45	5	135	73	15	1125	48	72	108	67	61	924	8	2641
18:00	8	127	78	20	1153	46	77	110	67	46	916	9	2657

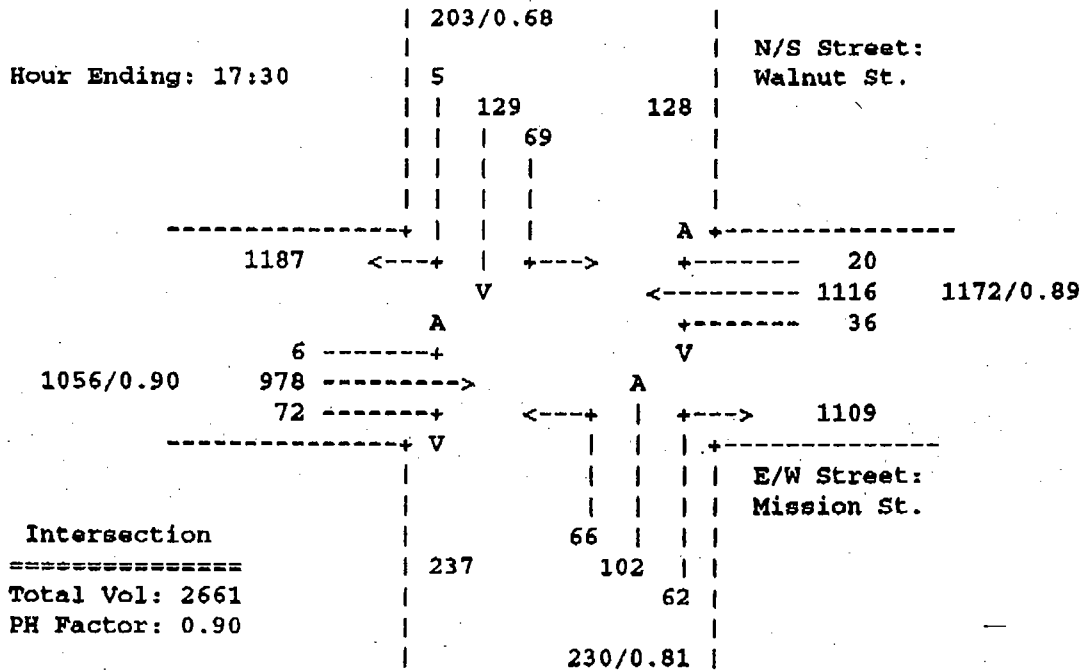
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #6  
Wednesday

SUM-IT  
COUNT DATE  
6/05/02

1 - Walnut St. and Mission St.

EVENING PEAK



1 - Laurel and Mission St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	10	8	8	160	0	12	12	37	27	150	1	425*
07:30	1	24	18	13	349	2	23	50	88	54	323	2	947*
07:45	4	43	27	17	555	6	45	92	154	86	521	2	1552*
08:00	4	74	47	19	740	9	65	135	213	142	761	3	2212
08:15	10	92	59	20	787	11	74	158	223	146	816	3	2399
08:30	12	114	64	19	788	12	87	149	218	160	847	5	2475
08:45	10	124	63	24	803	9	89	134	212	160	845	5	2478
09:00	12	120	55	31	818	10	84	123	216	153	822	6	2450

\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #5  
Wednesday

SUM-IT  
COUNT DATE  
6/04/02

1 - Laurel and Mission St.

MORNING PEAK

Hour Ending: 08:45	10	124	63	163	24	803	9	997
1025	5	845	160	212	134	89	435/0.89	
1010/0.85								
Intersection	293							
Total Vol: 2478								
PH Factor: 0.94								

1 - Laurel and Mission St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	55	29	9	12	269	11	8	50	1	84	220	2	750*
16:30	110	58	30	25	521	23	12	89	3	163	435	7	1476*
16:45	172	98	41	32	789	33	17	130	7	238	678	12	2247*
17:00	235	135	48	40	1010	38	23	170	11	311	880	12	2913
17:15	244	149	49	40	1009	39	26	170	12	297	895	12	2942
17:30	255	162	43	37	1019	38	27	203	18	289	898	12	3001
17:45	264	157	45	37	987	43	29	197	19	278	820	11	2887
18:00	272	156	48	36	1034	60	29	194	20	263	848	15	2975

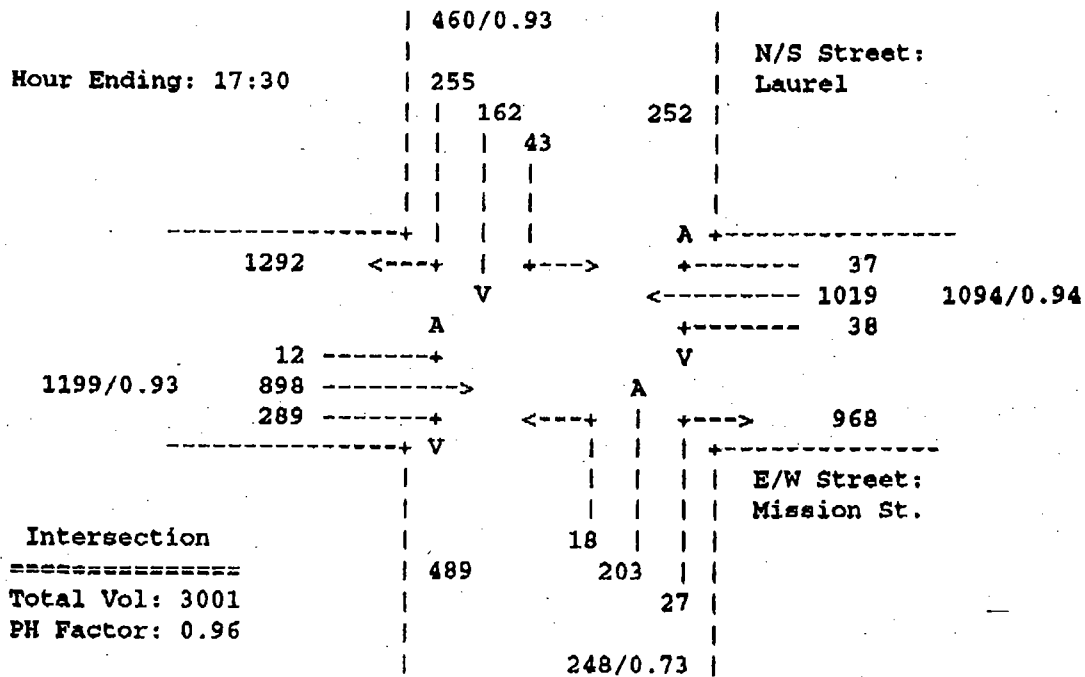
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #5  
Tuesday

SUM-IT  
COUNT DATE  
6/04/02

1 - Laurel and Mission St.

EVENING PEAK





1 - Bay St. and Mission St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	14	13	40	27	178	11	22	5	2	6	150	8	476*
07:30	27	21	70	68	354	25	59	24	9	11	290	16	974*
07:45	39	33	118	115	519	45	75	54	14	17	441	43	1513*
08:00	56	56	165	174	678	69	99	101	31	24	613	71	2137
08:15	57	102	164	189	666	96	101	131	40	26	601	75	2248
08:30	73	128	169	186	688	116	80	149	47	36	662	75	2409
08:45	77	145	160	169	683	120	77	151	57	38	666	59	2402
09:00	78	140	152	170	748	115	70	140	60	46	726	60	2505

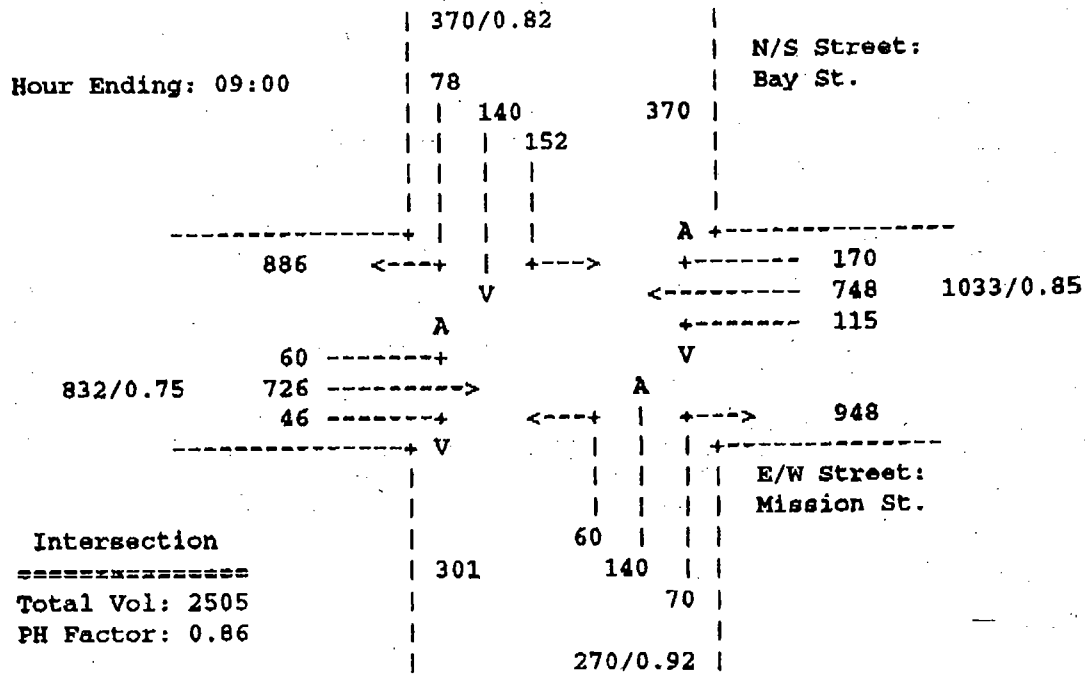
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #4  
Thursday

SUM-IT  
COUNT DATE  
5/30/02

1 - Bay St. and Mission St.

MORNING PEAK



1 - Bay St. and Mission St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	40	41	50	35	189	40	30	40	15	18	225	19	742*
16:30	65	83	111	66	395	72	46	67	28	43	451	53	1480*
16:45	101	133	176	107	599	106	60	90	38	66	708	89	2273*
17:00	134	178	257	170	888	155	81	140	61	96	1002	122	3284
17:15	128	183	264	180	898	156	64	147	69	95	982	124	3290
17:30	123	186	277	204	910	175	74	151	74	85	988	120	3367
17:45	124	185	283	229	923	196	85	184	83	81	920	136	3429
18:00	130	181	282	234	846	184	83	173	83	92	799	134	3221

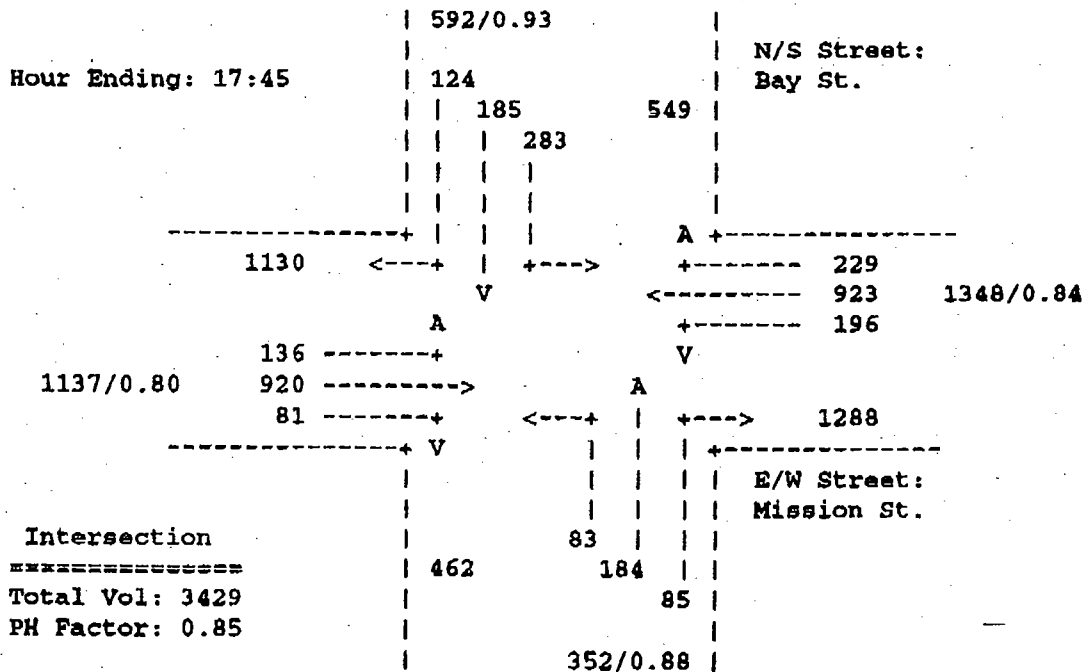
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #4  
Thursday

SUM-IT  
COUNT DATE  
5/30/02

1 - Bay St. and Mission St.

EVENING PEAK



1 - Swift and Mission/Rt.1

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	47	2	6	3	126	60	4	5	10	8	88	3	362*
07:30	65	5	15	4	185	91	4	6	20	13	124	3	535*
07:45	92	5	21	8	244	128	4	14	41	22	175	4	758*
08:00	152	11	51	18	359	206	4	25	63	38	286	4	1217
08:15	138	16	55	16	307	183	0	28	56	38	260	1	1098
08:30	156	23	62	18	350	203	0	37	53	47	287	1	1237
08:45	154	26	73	17	382	217	3	35	38	44	302	0	1291
09:00	137	23	56	7	371	209	3	29	30	41	285	0	1191

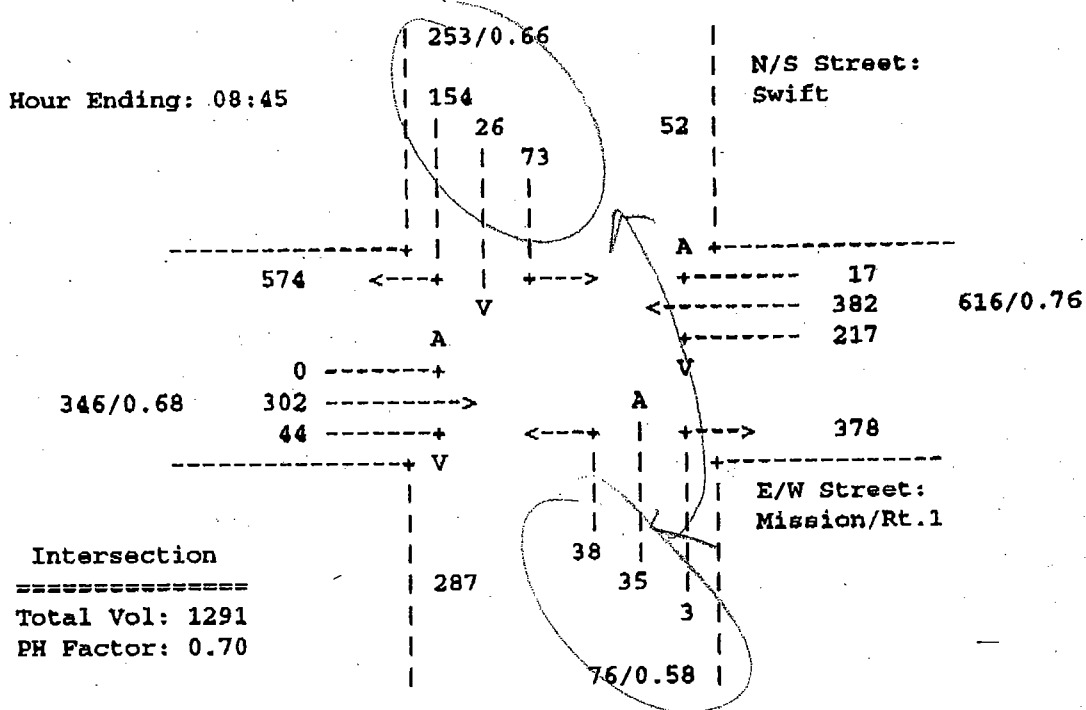
\* indicates partial hour total.

City of Santa Cruz - USCS Long Marine Lab #2  
Wednesday

SUM-IT  
COUNT DATE  
6/5/02

1 - Swift and Mission/Rt.1

MORNING PEAK



1 - Swift and Mission/Rt. 1

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	59	14	21	7	140	45	6	8	12	12	180	4	508*
16:30	103	21	39	15	237	83	8	15	23	19	229	5	797*
16:45	154	28	54	35	331	115	10	16	31	27	434	7	1242*
17:00	196	30	73	47	447	157	10	20	42	44	557	8	1631
17:15	190	37	82	66	458	162	4	24	44	54	575	4	1700
17:30	181	42	80	80	453	160	2	23	42	59	617	3	1742
17:45	161	38	83	69	433	154	1	26	43	56	500	2	1566
18:00	161	40	82	72	425	137	1	36	44	44	463	3	1508

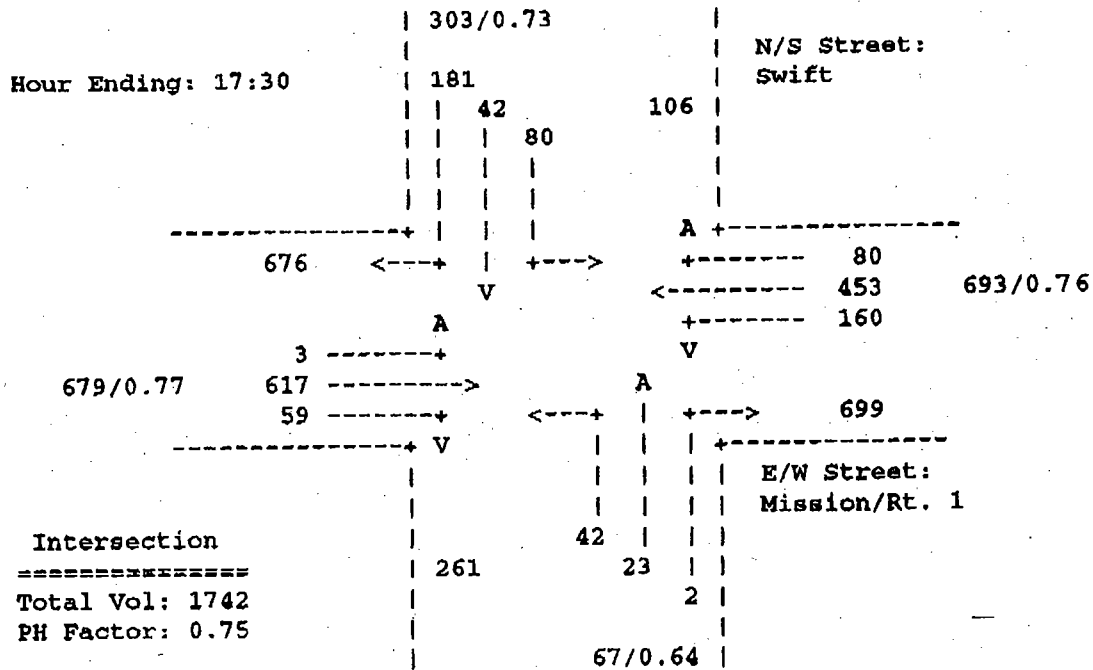
\* indicates partial hour total.

City of Santa Cruz - USCS Long Marine Lab #2  
Tuesday

SUM-IT  
COUNT DATE  
6/4/02

1 - Swift and Mission/Rt. 1

EVENING PEAK



1 - Almar Ave. and Mission St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	0	0	0	135	18	21	0	4	2	114	0	294*
07:30	0	0	0	0	289	47	47	0	8	6	241	0	638*
07:45	0	0	0	0	418	75	76	0	13	12	383	0	977*
08:00	0	0	0	0	555	100	102	0	22	16	550	0	1345
08:15	0	0	0	0	559	117	115	0	29	16	601	0	1437
08:30	0	0	0	0	625	116	115	0	33	15	616	0	1520
08:45	0	0	0	0	680	111	124	0	37	11	599	0	1562
09:00	0	0	0	0	700	116	129	0	34	11	606	0	1596

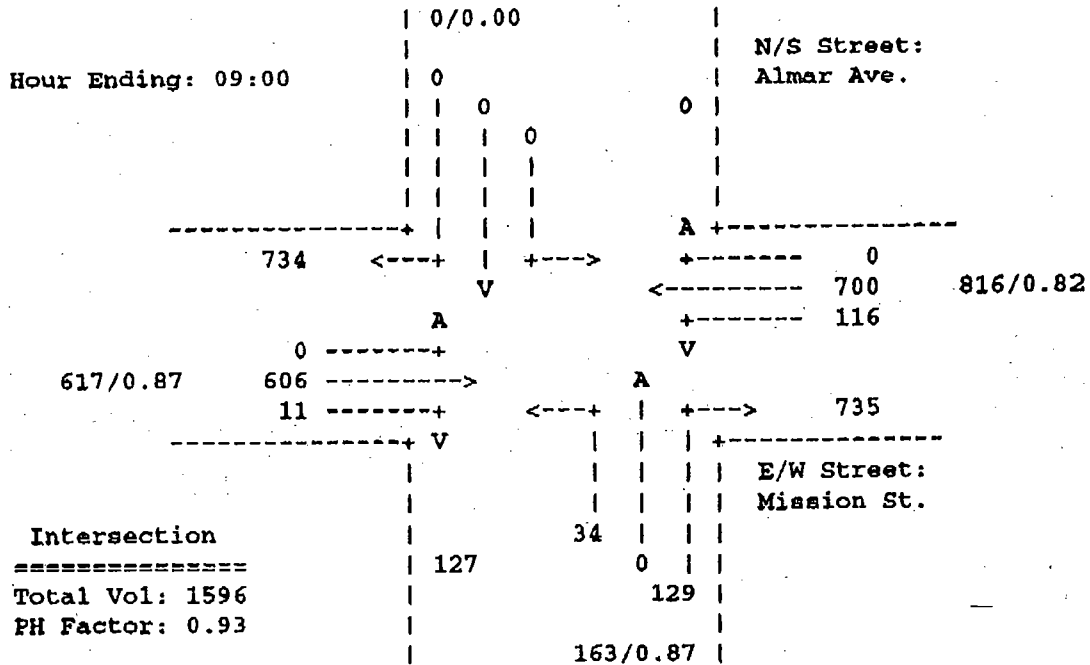
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #3b  
Wednesday

SUM-IT  
COUNT DATE  
6/05/02

1 - Almar Ave. and Mission St.

MORNING PEAK



1 - Almar Ave. and Mission St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	0	0	0	0	131	44	32	0	24	3	227	0	461*
16:30	0	0	0	0	272	98	65	0	35	11	446	0	927*
16:45	0	0	0	0	448	147	97	0	50	14	695	0	1451*
17:00	0	0	0	0	610	217	122	0	84	18	898	0	1949
17:15	0	0	0	0	638	229	129	0	81	18	886	0	1981
17:30	0	0	0	0	651	226	142	0	111	13	814	0	1957
17:45	0	0	0	0	592	218	142	0	133	13	737	0	1835
18:00	0	0	0	0	553	209	153	0	117	10	738	0	1780

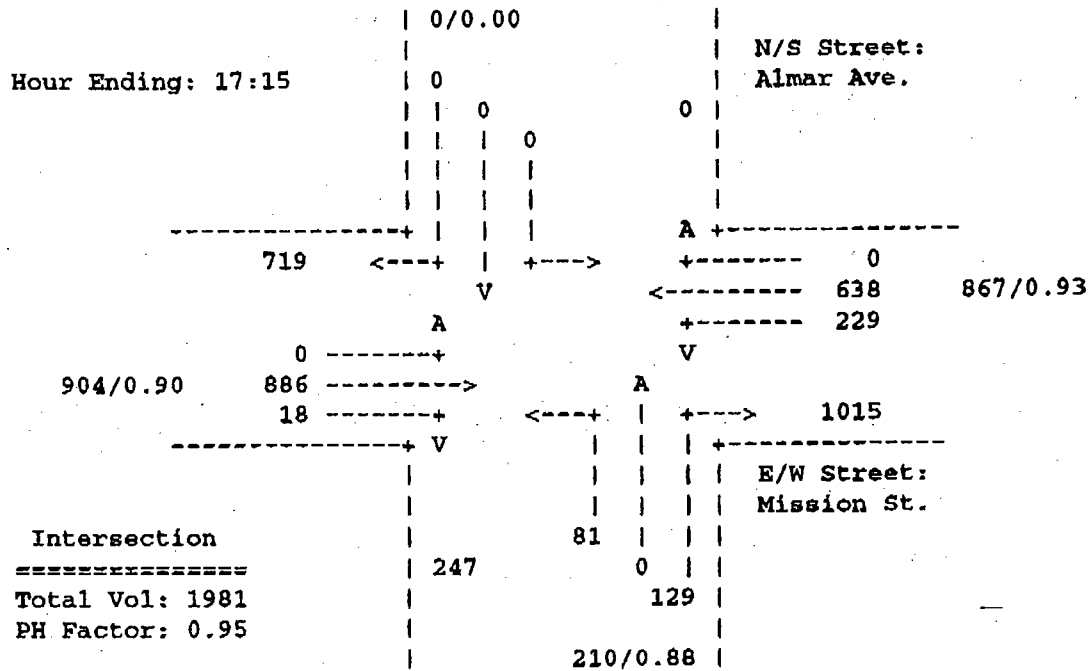
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #3b  
Wednesday

SUM-IT  
COUNT DATE  
6/05/02

1 - Almar Ave. and Mission St.

EVENING PEAK



1 - Younglove Ave. and Mission St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	0	0	0	135	3	10	0	4	0	114	0	266*
07:30	0	0	0	0	289	9	23	0	9	3	241	0	574*
07:45	0	0	0	0	418	12	30	0	18	10	383	0	871*
08:00	0	0	0	0	555	14	41	0	29	14	550	0	1203
08:15	0	0	0	0	559	16	52	0	32	21	601	0	1281
08:30	0	0	0	0	635	11	51	0	39	25	616	0	1377
08:45	0	0	0	0	680	13	49	0	38	22	599	0	1401
09:00	0	0	0	0	700	14	49	0	37	26	606	0	1432

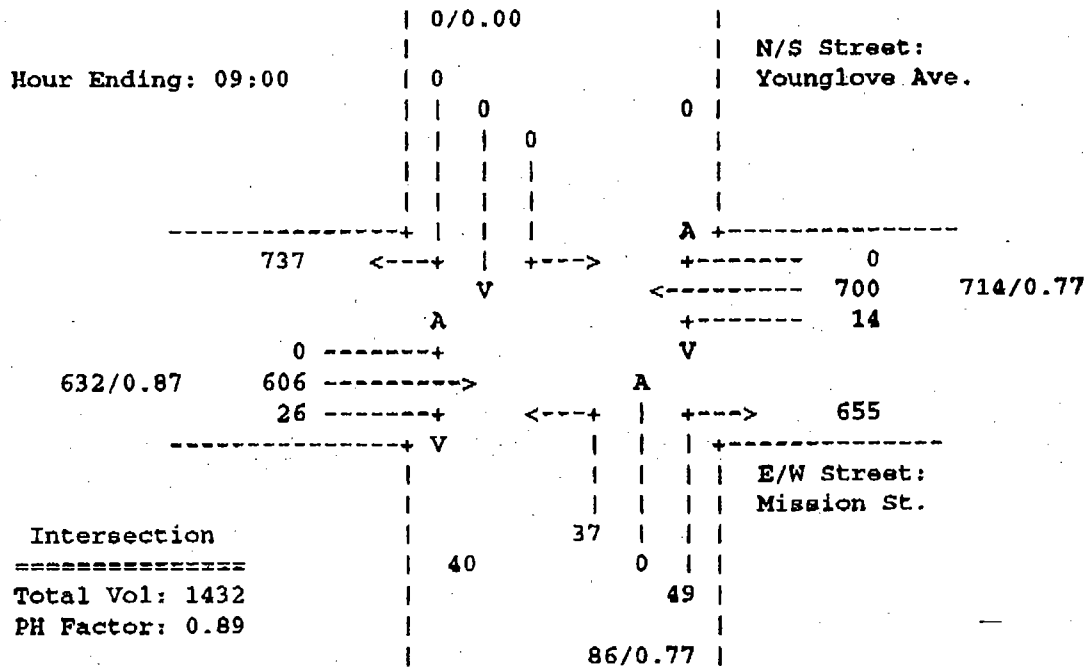
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab - 3a  
Wednesday

SUM-IT  
COUNT DATE  
6/05/02

1 - Younglove Ave. and Mission St.

MORNING PEAK



1 - Younglove Ave. and Mission St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	0	0	0	0	131	10	14	0	12	6	227	0	400*
16:30	0	0	0	0	277	16	22	0	27	16	446	0	804*
16:45	0	0	0	0	448	21	43	0	41	19	695	0	1267*
17:00	0	0	0	0	610	26	59	0	44	25	898	0	1662
17:15	0	0	0	0	638	24	62	0	38	30	886	0	1678
17:30	0	0	0	0	646	26	67	0	29	23	814	0	1605
17:45	0	0	0	0	592	32	56	0	17	25	737	0	1459
18:00	0	0	0	0	553	32	52	0	23	24	738	0	1422

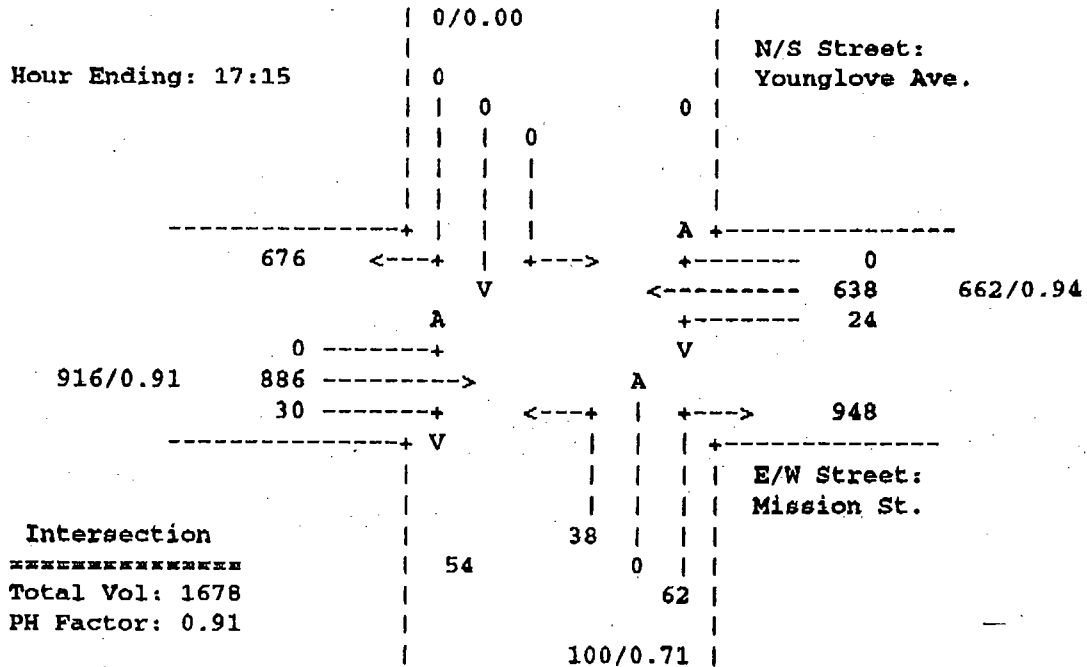
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab #3a  
Wednesday

SUM-IT  
COUNT DATE  
6/05/02

1 - Younglove Ave. and Mission St.

EVENING PEAK





1 - Almar Ave./Younglove Ave. and Mission St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
07:15	0	0	0	0	135	21	31	0	8	2	114	0	311*
07:30	0	0	0	0	289	56	70	0	17	9	241	0	682*
07:45	0	0	0	0	418	87	106	0	31	22	383	0	1047*
08:00	0	0	0	0	555	114	143	0	51	30	550	0	1443
08:15	0	0	0	0	559	133	167	0	61	37	601	0	1558
08:30	0	0	0	0	635	127	166	0	72	40	616	0	1656
08:45	0	0	0	0	680	124	173	0	75	33	599	0	1684
09:00	0	0	0	0	700	130	178	0	71	37	606	0	1722

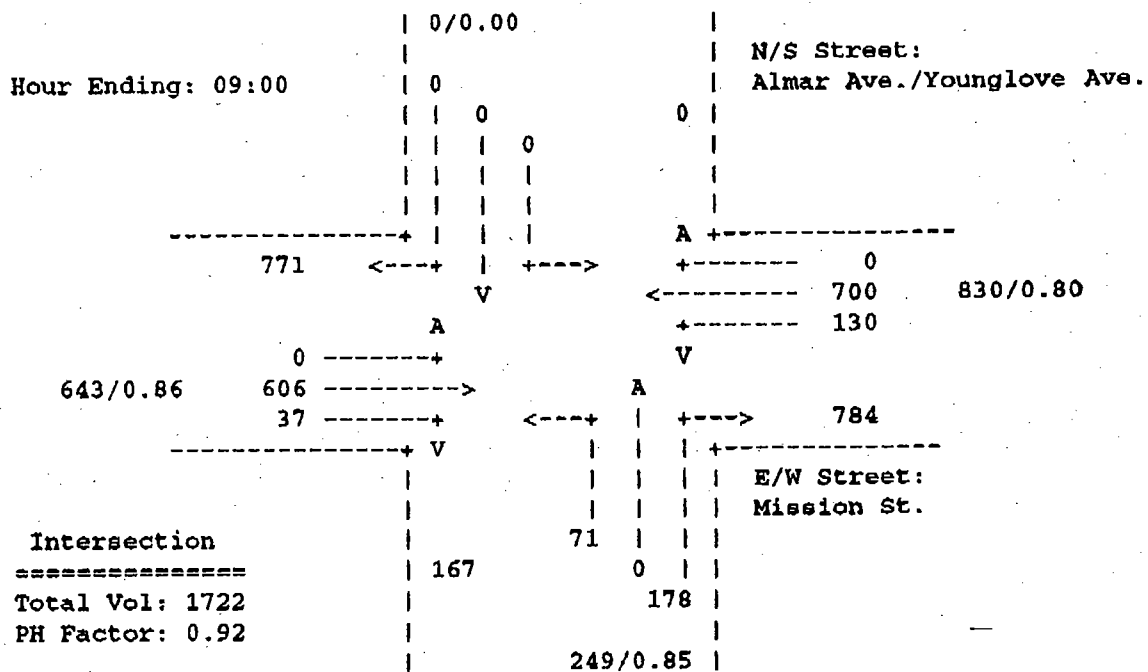
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab - 3c  
Wednesday

SUM-IT  
COUNT DATE  
6/05/02

1 - Almar Ave./Younglove Ave. and Mission St.

MORNING PEAK



1 - Almar Ave./Younglove Ave. and Mission St.

HOURLY SUMMARY

Hour Ending	North			East			South			West			Int. Total
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
16:15	0	0	0	0	131	54	46	0	36	9	227	0	503*
16:30	0	0	0	0	277	114	87	0	62	27	446	0	1013*
16:45	0	0	0	0	448	168	140	0	91	33	695	0	1575*
17:00	0	0	0	0	610	243	181	0	128	43	898	0	2103
17:15	0	0	0	0	638	253	191	0	119	48	886	0	2135
17:30	0	0	0	0	646	252	209	0	140	36	814	0	2097
17:45	0	0	0	0	592	250	198	0	150	38	737	0	1965
18:00	0	0	0	0	553	241	205	0	140	34	738	0	1911

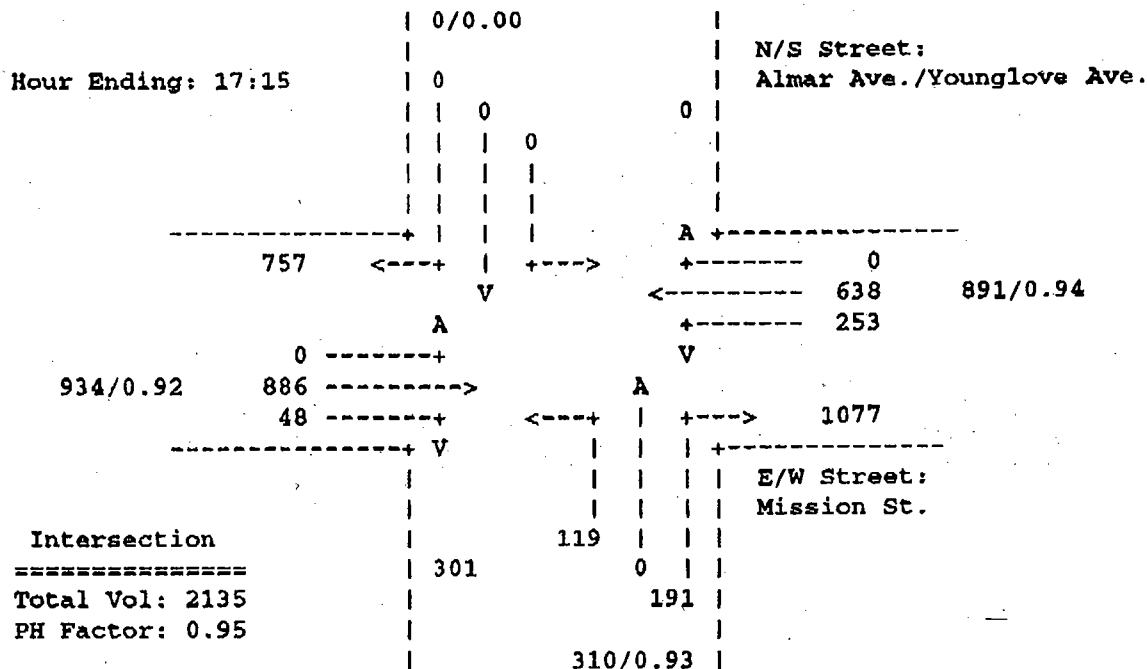
\* indicates partial hour total.

City of Santa Cruz - UCSC Long Marine Lab - 3c  
Wednesday

SUM-IT  
COUNT DATE  
6/05/02

1 - Almar Ave./Younglove Ave. and Mission St.

EVENING PEAK



Street name : WESTERN DR. - MONARCH WY. TO WESTERN CT.

Direction 1

Begin Time	Tues. 05/15		SB		NB		Combined		Wed. 05/16		SB		NB		Combined	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	4	42	5	40	9	82	3	27	5	43	8	70				
12:15	9	29	3	29	12	58	8	38	2	45	10	83				
12:30	1	30	1	35	2	65	7	42	5	45	12	87				
12:45	4	27	4	42	8	69	6	45	6	32	12	77				
01:00	5	27	3	42	8	69	5	19	1	35	6	54				
01:15	3	55	1	31	4	86	4	32	3	34	7	66				
01:30	4	32	3	37	7	69	2	30	3	42	5	72				
01:45	4	42	2	45	6	87	4	37	5	38	9	75				
02:00	3	52	4	30	7	82	2	55	2	32	4	87				
02:15	4	32	0	24	4	56	6	48	1	31	7	79				
02:30	1	35	1	37	2	72	3	52	1	34	4	86				
02:45	2	35	0	41	2	76	1	40	3	34	4	74				
03:00	2	37	3	37	5	74	1	35	1	46	2	81				
03:15	1	37	2	35	3	72	2	37	1	47	3	84				
03:30	0	44	2	57	2	101	1	44	2	38	3	82				
03:45	0	41	0	56	0	97	1	49	0	45	1	94				
04:00	0	50	0	42	0	92	0	30	1	45	1	75				
04:15	1	40	1	48	2	88	1	32	1	31	2	63				
04:30	2	31	0	41	2	72	2	28	1	45	3	73				
04:45	0	35	3	48	3	83	0	41	0	57	0	98				
05:00	2	52	3	51	5	103	2	66	1	60	3	126				
05:15	0	60	0	53	0	113	0	45	1	58	1	103				
05:30	5	40	6	48	11	88	6	45	4	45	10	90				
05:45	4	64	1	53	5	117	8	39	1	35	9	74				
06:00	3	52	1	47	4	99	5	46	2	48	7	94				
06:15	4	43	9	34	13	77	11	40	9	46	20	86				
06:30	8	45	3	43	11	88	4	48	3	49	7	97				
06:45	8	32	11	39	19	71	10	45	10	52	20	97				
07:00	10	38	12	39	22	77	3	46	10	39	13	85				
07:15	11	46	19	34	30	80	16	38	23	35	39	73				
07:30	24	29	41	36	65	65	25	38	26	46	51	84				
07:45	19	41	58	40	77	81	32	28	37	37	69	65				
08:00	39	30	33	36	72	66	37	26	44	30	81	56				
08:15	40	28	49	26	89	54	37	28	62	20	99	48				
08:30	31	24	37	24	68	48	39	21	57	44	96	65				
08:45	25	35	39	18	64	53	23	34	56	25	79	59				
09:00	22	18	41	31	63	49	31	32	48	18	79	50				
09:15	21	24	44	27	65	51	24	19	54	16	78	35				
09:30	21	29	41	17	62	46	25	10	32	15	57	25				
09:45	20	21	41	21	61	42	21	15	40	15	61	30				
10:00	30	9	26	20	56	29	12	23	25	18	37	41				
10:15	28	22	31	9	59	31	26	25	27	10	53	35				
10:30	20	11	28	18	48	29	18	12	48	8	66	20				
10:45	28	8	19	8	47	16	30	14	43	9	73	23				
11:00	22	13	27	6	49	19	31	8	24	11	55	19				
11:15	22	6	31	7	53	13	27	5	28	13	55	18				
11:30	23	5	55	4	78	9	29	9	29	9	58	18				
11:45	31	13	51	6	82	19	27	7	25	6	52	13				
Totals	571	1591	795	1592	1366	3183	618	1573	813	1616	1431	3189				
Day Totals	2162		2387		4549		2191		2429		4620					
% Total	12.5%	34.9%	17.4%	35.0%			13.3%	34.0%	17.6%	34.9%						
Peaks	08:00	05:00	07:30	05:00	07:45	05:00	07:45	04:45	08:15	04:30	08:00	04:45				
Volume	135	216	181	205	306	421	145	197	223	220	355	417				
P.H.F.	.84	.84	.78	.96	.85	.89	.92	.74	.89	.91	.89	.82				

Street name : WESTERN DR. - MONARCH WY. TO WESTERN CT. Direction 1

Begin Time	Thur. 05/17		NB		Combined		Fri. 05/18		SB		NB		Combined	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	9	36	6	27	15	63	*	*	*	*	*	*	*	*
12:15	2	39	8	37	10	76	*	*	*	*	*	*	*	*
12:30	6	26	4	32	10	58	*	*	*	*	*	*	*	*
12:45	8	30	4	38	12	68	*	*	*	*	*	*	*	*
01:00	7	24	1	38	8	62	*	*	*	*	*	*	*	*
01:15	1	37	1	41	2	78	*	*	*	*	*	*	*	*
01:30	2	31	3	39	5	70	*	*	*	*	*	*	*	*
01:45	5	27	3	36	8	63	*	*	*	*	*	*	*	*
02:00	1	46	8	29	9	75	*	*	*	*	*	*	*	*
02:15	5	41	2	30	7	71	*	*	*	*	*	*	*	*
02:30	0	38	3	39	3	77	*	*	*	*	*	*	*	*
02:45	0	36	3	31	3	67	*	*	*	*	*	*	*	*
03:00	0	34	1	41	1	75	*	*	*	*	*	*	*	*
03:15	0	48	2	41	2	89	*	*	*	*	*	*	*	*
03:30	1	42	2	49	3	91	*	*	*	*	*	*	*	*
03:45	1	39	0	36	1	75	*	*	*	*	*	*	*	*
04:00	2	45	1	26	3	71	*	*	*	*	*	*	*	*
04:15	0	46	0	30	0	76	*	*	*	*	*	*	*	*
04:30	0	51	0	47	0	98	*	*	*	*	*	*	*	*
04:45	2	32	0	53	2	85	*	*	*	*	*	*	*	*
05:00	2	49	0	51	2	100	*	*	*	*	*	*	*	*
05:15	1	62	1	46	2	108	*	*	*	*	*	*	*	*
05:30	6	64	5	57	11	121	*	*	*	*	*	*	*	*
05:45	2	50	3	55	5	105	*	*	*	*	*	*	*	*
06:00	7	39	1	43	8	82	*	*	*	*	*	*	*	*
06:15	9	49	9	50	18	99	*	*	*	*	*	*	*	*
06:30	7	41	3	49	10	90	*	*	*	*	*	*	*	*
06:45	8	37	7	51	15	88	*	*	*	*	*	*	*	*
07:00	11	26	15	34	26	60	*	*	*	*	*	*	*	*
07:15	22	42	26	33	48	75	*	*	*	*	*	*	*	*
07:30	21	37	39	24	60	61	*	*	*	*	*	*	*	*
07:45	43	20	55	32	98	52	*	*	*	*	*	*	*	*
08:00	39	42	35	34	74	76	*	*	*	*	*	*	*	*
08:15	34	26	48	30	82	56	*	*	*	*	*	*	*	*
08:30	43	23	45	19	88	42	*	*	*	*	*	*	*	*
08:45	34	27	45	20	79	47	*	*	*	*	*	*	*	*
09:00	24	18	37	19	61	37	*	*	*	*	*	*	*	*
09:15	30	17	38	23	68	40	*	*	*	*	*	*	*	*
09:30	28	21	36	26	64	47	*	*	*	*	*	*	*	*
09:45	24	25	54	18	78	43	*	*	*	*	*	*	*	*
10:00	30	28	23	15	53	43	*	*	*	*	*	*	*	*
10:15	23	12	22	14	45	26	*	*	*	*	*	*	*	*
10:30	23	10	36	15	59	25	*	*	*	*	*	*	*	*
10:45	28	23	21	9	49	32	*	*	*	*	*	*	*	*
11:00	32	11	24	14	56	25	*	*	*	*	*	*	*	*
11:15	23	13	34	13	57	26	*	*	*	*	*	*	*	*
11:30	23	10	46	6	69	16	*	*	*	*	*	*	*	*
11:45	30	7	34	7	64	14	*	*	*	*	*	*	*	*

Totals	659	1577	794	1547	1453	3124	0	0	0	0	0	0	0
Day Totals	2236		2341		4577		0	0	0	0	0	0	0
% Total	14.4%	34.4%	17.3%	33.8%	*	*	*	*	*	*	*	*	*

Peaks	07:45	05:00	07:45	05:00	07:45	05:00
Volume	159	225	183	209	342	434
P.H.F.	.92	.87	.83	.91	.87	.89

Avg = 4582

Street name : BAY ST. - ESCALONA DR. TO KENNETH ST.

Direction 1

Begin Time	Tues. 05/15		SB		NB		Combined		Wed. 05/16		SB		NB		Combined	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	30	187	31	105	61	292	47	165	23	118	70	283				
12:15	35	180	31	85	66	265	33	198	32	115	65	313				
12:30	24	126	17	96	41	222	29	181	21	99	50	280				
12:45	25	125	21	129	46	254	25	181	13	126	38	307				
01:00	25	141	9	130	34	271	15	164	15	117	30	281				
01:15	14	145	5	134	19	279	17	169	17	103	34	272				
01:30	20	131	6	130	26	261	13	170	14	126	27	296				
01:45	15	152	6	128	21	280	17	206	12	109	29	315				
02:00	9	202	4	94	13	296	14	242	15	84	29	326				
02:15	9	161	4	87	13	248	14	280	10	79	24	359				
02:30	9	168	3	98	12	266	4	267	4	89	8	356				
02:45	2	164	1	96	3	260	8	241	8	122	16	363				
03:00	7	190	2	99	9	289	9	153	5	132	14	285				
03:15	5	176	4	121	9	297	11	296	3	120	14	416				
03:30	9	207	6	136	15	343	5	278	5	100	10	378				
03:45	5	247	4	113	9	360	8	241	3	95	11	336				
04:00	8	326	5	88	13	414	7	208	4	100	11	308				
04:15	9	230	5	77	14	307	11	220	6	105	17	325				
04:30	5	181	4	95	9	276	6	194	1	145	7	339				
04:45	8	188	8	109	16	297	5	260	4	177	9	437				
05:00	2	228	5	136	7	364	7	302	3	121	10	423				
05:15	16	243	5	121	21	364	6	277	3	124	9	401				
05:30	15	224	11	149	26	373	8	210	11	114	19	324				
05:45	19	312	32	140	51	452	18	213	26	114	44	327				
06:00	20	262	24	109	44	371	18	276	28	97	46	373				
06:15	25	189	34	127	59	316	30	255	43	111	73	366				
06:30	36	181	39	128	75	309	34	217	47	130	81	347				
06:45	53	163	33	133	86	296	57	273	46	166	103	439				
07:00	66	177	48	101	114	278	82	210	49	112	131	322				
07:15	85	194	59	84	144	278	74	191	58	111	132	302				
07:30	103	159	109	107	212	266	123	188	91	118	214	306				
07:45	121	175	140	100	261	275	148	146	140	87	288	233				
08:00	138	191	150	104	288	295	126	186	118	83	244	269				
08:15	131	145	115	77	246	222	142	161	107	104	249	265				
08:30	115	166	110	112	225	278	124	137	116	97	240	234				
08:45	114	141	112	89	226	230	119	124	147	107	266	231				
09:00	102	135	101	105	203	240	127	149	149	92	276	241				
09:15	109	130	117	92	226	222	130	161	144	90	274	251				
09:30	103	141	163	85	266	226	126	124	87	60	213	184				
09:45	122	105	160	78	282	183	110	116	96	75	206	191				
10:00	135	94	100	65	235	159	112	161	86	66	198	227				
10:15	116	79	87	50	203	129	88	117	97	47	185	164				
10:30	114	66	94	55	208	121	111	74	127	50	238	124				
10:45	95	62	68	35	163	97	144	54	136	42	280	96				
11:00	88	69	94	41	182	110	152	76	63	28	215	104				
11:15	120	53	98	35	218	88	122	44	58	25	180	69				
11:30	144	34	139	44	283	78	113	55	67	32	180	87				
11:45	163	57	143	22	306	79	119	53	102	38	221	91				
Totals	2743	7802	2566	4674	5309	12476	2868	8864	2460	4702	5328	13566				
Day Totals	10545		7240		17785		11732		7162		18894					
% Total	15.4%	43.8%	14.4%	26.2%			15.1%	46.9%	13.0%	24.8%						
Peaks	11:00	05:15	09:00	05:00	07:45	05:15	07:45	04:45	08:30	04:30	08:30	04:30				
Volume	515	1041	541	546	1020	1560	540	1049	556	567	1056	1600				
P.H.F.	.78	.83	.82	.91	.88	.86	.91	.86	.93	.80	.95	.91				

Street name : BAY ST. - ESCALONA DR. TO KENNETH ST.

Direction 1

Begin Time	Thur. 05/17	SB		NB		Combined		Fri. 05/18	SB		NB		Combined	
		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.		A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00		64	331	26	90	90	421	*	*	*	*	*	*	
12:15		37	195	37	90	74	285	*	*	*	*	*	*	
12:30		45	174	20	77	65	251	*	*	*	*	*	*	
12:45		39	171	16	104	55	275	*	*	*	*	*	*	
01:00		22	146	16	115	38	261	*	*	*	*	*	*	
01:15		18	162	13	114	31	276	*	*	*	*	*	*	
01:30		18	160	7	116	25	276	*	*	*	*	*	*	
01:45		12	206	15	124	27	330	*	*	*	*	*	*	
02:00		11	282	9	73	20	355	*	*	*	*	*	*	
02:15		6	240	6	79	12	319	*	*	*	*	*	*	
02:30		3	176	7	95	10	271	*	*	*	*	*	*	
02:45		10	186	4	89	14	275	*	*	*	*	*	*	
03:00		8	212	6	85	14	297	*	*	*	*	*	*	
03:15		7	216	4	93	11	309	*	*	*	*	*	*	
03:30		12	251	7	119	19	370	*	*	*	*	*	*	
03:45		13	302	2	101	15	403	*	*	*	*	*	*	
04:00		8	310	5	83	13	393	*	*	*	*	*	*	
04:15		6	256	2	93	8	349	*	*	*	*	*	*	
04:30		9	236	3	108	12	344	*	*	*	*	*	*	
04:45		13	251	3	101	16	352	*	*	*	*	*	*	
05:00		4	299	6	119	10	418	*	*	*	*	*	*	
05:15		9	239	1	120	10	359	*	*	*	*	*	*	
05:30		10	237	15	153	25	390	*	*	*	*	*	*	
05:45		26	269	28	163	54	432	*	*	*	*	*	*	
06:00		27	296	35	118	62	414	*	*	*	*	*	*	
06:15		31	218	47	126	78	344	*	*	*	*	*	*	
06:30		29	205	37	123	66	328	*	*	*	*	*	*	
06:45		57	210	42	124	99	334	*	*	*	*	*	*	
07:00		74	187	47	89	121	276	*	*	*	*	*	*	
07:15		90	239	50	95	140	334	*	*	*	*	*	*	
07:30		132	188	100	107	232	295	*	*	*	*	*	*	
07:45		165	176	122	139	287	315	*	*	*	*	*	*	
08:00		127	174	126	101	253	275	*	*	*	*	*	*	
08:15		133	190	112	93	245	283	*	*	*	*	*	*	
08:30		145	136	99	82	244	218	*	*	*	*	*	*	
08:45		141	111	95	91	236	202	*	*	*	*	*	*	
09:00		110	164	92	81	202	245	*	*	*	*	*	*	
09:15		111	138	95	84	206	222	*	*	*	*	*	*	
09:30		104	155	145	71	249	226	*	*	*	*	*	*	
09:45		151	111	150	98	301	209	*	*	*	*	*	*	
10:00		170	148	77	56	247	204	*	*	*	*	*	*	
10:15		108	134	70	56	178	190	*	*	*	*	*	*	
10:30		124	102	70	52	194	154	*	*	*	*	*	*	
10:45		120	114	74	40	194	154	*	*	*	*	*	*	
11:00		135	107	87	45	222	152	*	*	*	*	*	*	
11:15		145	91	105	35	250	126	*	*	*	*	*	*	
11:30		161	86	130	25	291	111	*	*	*	*	*	*	
11:45		212	53	137	27	349	80	*	*	*	*	*	*	
Totals		3212	9240	2402	4462	5614	13702	0	0	0	0	0	0	
Day Totals		12452		6864		19316		0	0	0	0	0	0	
% Total		16.6%	47.8%	12.4%	23.1%			*	*	*	*			
Peaks		11:00	03:30	09:00	05:30	11:00	05:00							
Volume		653	1119	482	560	1112	1599							
P.H.F.		.77	.90	.80	.85	.79	.92							

Avg 18665

Street name : DELAWARE AVE. - SURFSIDE AVE. TO SEASIDE ST.

Direction 1

Begin Time	Tues. 05/15		WB		EB		Combined		Wed. 05/16		WB		EB		Combined	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00	4	43	3	66	7	109	2	46	6	44	8	90				
12:15	4	48	3	45	7	93	5	55	1	50	6	105				
12:30	0	45	6	51	6	96	2	45	5	62	7	107				
12:45	2	48	3	56	5	104	3	48	4	50	7	98				
01:00	1	35	6	32	7	67	1	62	3	60	4	122				
01:15	0	52	5	33	5	85	3	61	5	45	8	106				
01:30	1	43	1	44	2	87	3	36	5	41	8	77				
01:45	0	54	2	36	2	90	2	45	1	54	3	99				
02:00	0	43	0	48	0	91	2	28	0	55	2	83				
02:15	0	43	1	40	1	83	0	47	4	65	4	112				
02:30	1	34	0	71	1	105	3	47	0	61	3	108				
02:45	0	51	1	62	1	113	1	43	0	77	1	120				
03:00	0	47	0	80	0	127	0	46	0	67	0	113				
03:15	2	56	0	60	2	116	2	56	1	56	3	112				
03:30	5	38	2	91	7	129	6	76	0	95	6	171				
03:45	5	53	1	68	6	121	6	48	1	65	7	113				
04:00	0	37	0	71	0	108	1	53	0	72	1	125				
04:15	0	40	1	81	1	121	0	50	0	63	0	113				
04:30	2	36	2	100	4	136	2	52	1	85	3	137				
04:45	3	55	1	74	4	129	2	53	0	97	2	150				
05:00	6	49	3	86	9	135	5	49	2	99	7	148				
05:15	13	60	3	75	16	135	10	58	2	73	12	131				
05:30	9	48	2	67	11	115	11	46	4	64	15	110				
05:45	13	43	6	48	19	91	7	50	4	70	11	120				
06:00	9	47	5	72	14	119	11	39	4	76	15	115				
06:15	8	30	5	57	13	87	11	40	9	47	20	87				
06:30	23	25	8	37	31	62	19	33	9	50	28	83				
06:45	24	36	12	44	36	80	22	40	13	45	35	85				
07:00	26	27	16	39	42	66	24	33	10	38	34	71				
07:15	30	35	31	36	61	71	25	30	26	33	51	63				
07:30	57	32	42	30	99	62	53	24	36	25	89	49				
07:45	81	25	53	25	134	50	74	26	55	22	129	48				
08:00	97	25	32	30	129	55	95	23	38	25	133	48				
08:15	69	26	49	22	118	48	74	36	60	22	134	58				
08:30	50	20	42	29	92	49	75	24	49	30	124	54				
08:45	63	22	58	16	121	38	57	10	41	13	98	23				
09:00	58	19	43	16	101	35	44	28	47	24	91	52				
09:15	27	22	34	21	61	43	46	20	49	15	95	35				
09:30	30	22	41	27	71	49	27	20	39	17	66	37				
09:45	32	20	30	22	62	42	37	16	28	14	65	30				
10:00	34	17	45	12	79	29	29	16	42	11	71	27				
10:15	37	12	24	15	61	27	28	12	24	16	52	28				
10:30	29	10	36	10	65	20	25	8	32	14	57	22				
10:45	24	10	39	6	63	16	36	5	31	13	67	18				
11:00	27	7	39	7	66	14	18	14	34	6	52	20				
11:15	34	8	50	7	84	15	28	5	31	7	59	12				
11:30	40	6	49	7	89	13	24	2	49	4	73	6				
11:45	34	3	66	6	100	9	47	5	43	9	90	14				
Totals	1014	1607	901	2078	1915	3685	1008	1709	848	2146	1856	3855				
Day Totals	2621		2979		5600		2717		2994		5711					
% Total	18.1%	28.7%	16.0%	37.1%			17.6%	29.9%	14.8%	37.5%						
Peaks	07:30	04:45	11:00	04:15	07:30	04:30	07:45	03:15	07:45	04:30	07:45	04:30				
Volume	304	212	204	341	480	535	318	233	202	354	520	566				
P.H.F.	.78	.88	.77	.85	.89	.98	.83	.76	.84	.89	.97	.94				

Street name : DELAWARE AVE. - SURFSIDE AVE. TO SEASIDE ST.

Direction 1

Begin Time	Thur. 05/17		WB		EB		Combined		Fri. 05/18		WB		EB		Combined	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.
12:00		2	52		5	41		7	93	*	*	*	*	*	*	*
12:15		6	38		2	49		8	87	*	*	*	*	*	*	*
12:30		4	35		5	38		9	73	*	*	*	*	*	*	*
12:45		1	52		3	58		4	110	*	*	*	*	*	*	*
01:00		3	42		4	51		7	93	*	*	*	*	*	*	*
01:15		2	54		4	38		6	92	*	*	*	*	*	*	*
01:30		0	44		2	51		2	95	*	*	*	*	*	*	*
01:45		2	47		3	32		5	79	*	*	*	*	*	*	*
02:00		1	41		1	49		2	90	*	*	*	*	*	*	*
02:15		0	41		3	59		3	100	*	*	*	*	*	*	*
02:30		1	35		1	95		2	130	*	*	*	*	*	*	*
02:45		0	65		0	74		0	139	*	*	*	*	*	*	*
03:00		0	51		1	79		1	130	*	*	*	*	*	*	*
03:15		3	41		0	55		3	96	*	*	*	*	*	*	*
03:30		8	43		0	104		8	147	*	*	*	*	*	*	*
03:45		4	39		1	79		5	118	*	*	*	*	*	*	*
04:00		0	43		1	69		1	112	*	*	*	*	*	*	*
04:15		0	37		2	59		2	96	*	*	*	*	*	*	*
04:30		4	49		0	103		4	152	*	*	*	*	*	*	*
04:45		4	48		1	71		5	119	*	*	*	*	*	*	*
05:00		7	50		0	102		7	152	*	*	*	*	*	*	*
05:15		9	42		4	89		13	131	*	*	*	*	*	*	*
05:30		16	50		7	72		23	122	*	*	*	*	*	*	*
05:45		8	54		5	55		13	109	*	*	*	*	*	*	*
06:00		11	40		8	81		19	121	*	*	*	*	*	*	*
06:15		14	38		8	57		22	95	*	*	*	*	*	*	*
06:30		14	44		10	54		24	98	*	*	*	*	*	*	*
06:45		24	46		9	46		33	92	*	*	*	*	*	*	*
07:00		25	35		17	32		42	67	*	*	*	*	*	*	*
07:15		34	32		32	46		66	78	*	*	*	*	*	*	*
07:30		47	28		44	31		91	59	*	*	*	*	*	*	*
07:45		73	25		49	22		122	47	*	*	*	*	*	*	*
08:00		103	20		38	17		141	37	*	*	*	*	*	*	*
08:15		81	16		59	26		140	42	*	*	*	*	*	*	*
08:30		67	24		43	22		110	46	*	*	*	*	*	*	*
08:45		53	17		39	16		92	33	*	*	*	*	*	*	*
09:00		39	31		35	19		74	50	*	*	*	*	*	*	*
09:15		50	13		36	20		86	33	*	*	*	*	*	*	*
09:30		42	16		36	18		78	34	*	*	*	*	*	*	*
09:45		35	21		29	17		64	38	*	*	*	*	*	*	*
10:00		29	20		38	10		67	30	*	*	*	*	*	*	*
10:15		38	10		43	10		81	20	*	*	*	*	*	*	*
10:30		31	9		38	12		69	21	*	*	*	*	*	*	*
10:45		29	14		29	12		58	26	*	*	*	*	*	*	*
11:00		40	5		34	9		74	14	*	*	*	*	*	*	*
11:15		46	9		44	9		90	18	*	*	*	*	*	*	*
11:30		35	10		31	3		66	13	*	*	*	*	*	*	*
11:45		28	5		42	9		70	14	*	*	*	*	*	*	*

Totals	1073	1621	846	2170	1919	3791	0	0	0	0	0	0
Day Totals	2694		3016		5710		0	0	0	0	0	0
% Total	18.7%	28.3%	14.8%	38.0%			*	*	*	*	*	*

Peaks	07:45	02:45	07:30	04:30	07:45	04:30
Volume	324	200	190	365	513	554
P.H.F.	.78	.76	.80	.88	.90	.91

Avg = 5674



MARKS TRAFFIC DATA SERVICE

CITY OF SANTA CRUZ

DELAWARE ST. W/O NATURAL BRIDGES DR.

Site Code:  
delaware

Start Time	14-Jan-02 Mon				15-Jan-02 Tue				16-Jan-02 Wed				Total		
	EB		WB		EB		WB		EB		WB		A.M.	P.M.	
	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	A.M.	P.M.	
12:00	*	*	*	*	1	34	0	40	0	42	0	51	1	167	
12:15	*	*	*	*	0	17	0	20	0	26	0	30	0	93	
12:30	*	*	*	*	0	13	0	25	1	23	1	30	2	91	
12:45	*	*	*	*	0	26	1	43	0	26	0	31	1	126	
01:00	*	*	*	*	1	31	1	33	0	22	1	30	3	116	
01:15	*	*	*	*	0	24	0	34	0	20	0	28	0	106	
01:30	*	*	*	*	1	24	1	19	1	28	0	30	3	101	
01:45	*	*	*	*	0	21	0	29	2	32	2	21	4	103	
02:00	*	*	*	*	0	15	1	27	1	27	1	29	3	98	
02:15	*	*	*	*	1	23	1	25	0	16	0	16	2	80	
02:30	*	*	*	*	0	21	0	27	0	24	0	20	0	92	
02:45	*	*	*	*	0	19	0	29	0	29	0	29	0	106	
03:00	*	*	*	*	0	25	0	33	0	26	0	31	0	115	
03:15	*	*	*	*	0	16	0	15	1	19	0	24	1	74	
03:30	*	*	*	*	0	23	0	30	1	22	0	27	1	102	
03:45	*	*	*	*	0	24	1	27	0	22	0	22	1	95	
04:00	*	*	*	*	1	16	0	24	0	14	0	27	1	81	
04:15	*	*	*	*	0	13	0	16	0	17	0	25	0	71	
04:30	*	*	*	*	0	13	0	17	1	21	1	23	2	74	
04:45	*	*	*	*	2	18	0	25	2	29	2	28	6	100	
05:00	*	*	*	*	1	23	1	16	1	55	1	24	4	118	
05:15	*	*	*	*	0	21	0	20	0	34	2	32	2	107	
05:30	*	*	*	*	0	26	3	27	1	23	1	19	5	95	
05:45	*	*	*	*	3	22	5	25	1	16	4	15	13	78	
06:00	*	*	*	*	1	20	2	22	5	15	5	28	13	85	
06:15	*	*	*	*	6	13	8	19	4	20	5	19	23	71	
06:30	*	*	*	*	8	14	4	15	7	15	2	11	21	55	
06:45	*	*	*	*	7	13	5	9	4	12	7	12	23	46	
07:00	*	*	*	*	0	14	9	11	3	6	6	30	18	61	
07:15	*	*	*	*	11	12	25	11	5	12	14	22	55	57	
07:30	*	*	*	*	10	9	21	5	7	5	13	8	54	27	
07:45	*	*	*	*	12	11	29	13	12	1	25	3	78	28	
08:00	*	*	*	*	11	10	31	12	9	3	24	7	75	32	
08:15	*	*	*	*	6	7	25	13	12	13	29	12	72	45	
08:30	*	*	*	*	3	11	23	8	16	19	28	16	70	54	
08:45	*	*	*	*	13	9	32	10	9	22	31	17	85	58	
09:00	*	*	*	*	14	9	22	4	16	12	24	14	76	39	
09:15	*	*	*	*	12	3	19	9	14	15	22	16	67	43	
09:30	*	*	*	*	20	11	32	8	16	8	15	13	83	40	
09:45	*	*	*	*	16	8	37	11	12	6	29	11	94	36	
10:00	*	*	*	*	21	5	50	4	12	7	29	5	112	21	
10:15	*	*	*	*	12	3	25	3	12	3	28	4	77	13	
10:30	*	*	*	*	16	1	21	1	13	3	24	5	74	10	
10:45	*	*	*	*	23	2	24	5	24	2	41	2	112	11	
11:00	*	*	*	*	21	1	23	1	12	0	21	1	77	3	
11:15	*	*	*	*	57	0	29	0	18	1	21	1	125	2	
11:30	*	*	*	*	14	1	17	0	14	0	22	1	67	2	
11:45	*	*	*	*	19	0	28	0	21	4	39	1	107	5	
Total	0	0	0	0	344	695	556	820	290	817	520	901	1710	5233	
Percentage	0.0%	0.0%	0.0%	0.0%	33.1%	66.9%	40.4%	59.6%	26.2%	73.8%	36.8%	63.4%	34.6%	65.4%	
Day Total					1039	1376				1107				1421	4943

TO: LESLEY  
ALBERT  
FROM: MIETEK  
@ MTDS



## **APPENDIX D-2**

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### **APPROVED AND PENDING PROJECT TRIP GENERATION ESTIMATES**

# Estimated Trip Generation

## Background Projects

Marine Science Campus CLRDP EIR

### Projects Under Construction

Location	Type	Units/Sqft	AM			PM		
			In	Out	Total	In	Out	Total
1008 Soquel	SRO	15	5	15	20	12	7	19
500 Ocean	Motel	34	10	7	17	20	18	38
208 Bay	Condos	10	1	7	8	6	3	9
505 El Rancho	SFD/TH	11	4	13	17	9	6	15
401 Pacific	SRO	72	15	45	60	51	29	80
101 Pacific	Apt	108	9	48	57	52	25	77
2901 Mission	Indust	16,408	19	4	23	5	14	19

### Approved Projects

Location	Type	Units/Sqft	AM			PM		
			In	Out	Total	In	Out	Total
1280 Shaffer	Apt	206	17	89	106	87	43	130
175 Belvedere	Apt	6	1	5	6	15	7	22
927 Soquel	SRO	24	7	19	26	19	11	30
502-06 Soquel	Retail	2,360	10	7	17	25	28	53
	Apt	34	3	17	20	25	12	37
719 Water	Comm	3,641	12	1	13	14	69	83
	Comm	28,507	46	30	76	132	142	274
1375 Pacific	Comm	90,442	92	58	150	282	306	588
125 River	Office	104,500	100	64	164	3110	336	646
	Retail	6,500	19	12	31	50	53	103
2027 Pacific	Comm	3,720	14	8	22	34	38	72
1111A River	Live/Work	7	2	5	7	16	8	24
133 Leibrant	SFR	48	11	32	43	35	20	55
630 Water	Apt	53	5	25	30	32	15	47
	Office	1,000	4	1	5	14	66	80
211 Gault	Sen. Housing	37	3	19	22	26	13	39
215 Beach	Motel	110	29	19	48	33	28	61
119-125 Blaine	Studio	13	5	14	19	11	6	17
2050 Pacific	Condo	69	6	32	38	30	15	45
615 Market	Townhome	50	5	25	30	23	12	35
120 Campbell	SFR	2	0	2	2	2	0	2
115 Coral	Shelter	30	8	22	30	23	13	36
115 Dubois	SRO	49	11	33	44	36	20	56
230 Fern	Light Indust	18,870	15	2	17	2	16	18
219 Grandview	Townhomes	20	1	8	9	11	5	16
230 Grandview	Condos	21	2	7	9	11	6	17
195 Harvey	Light Indust	17,212	14	2	16	2	15	17
	Apt	14	2	8	10	18	8	26
2050 Pacific	Retail	6,500	19	12	31	50	53	103
	Office	104,500	170	23	193	33	163	196

## **APPENDIX D-3**

### **LOS CALCULATION SHEETS**

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Marine Science Center

November 2003

Summary Scenario Comparison Report (With Average Critical Delay)  
Future Volume Alternative

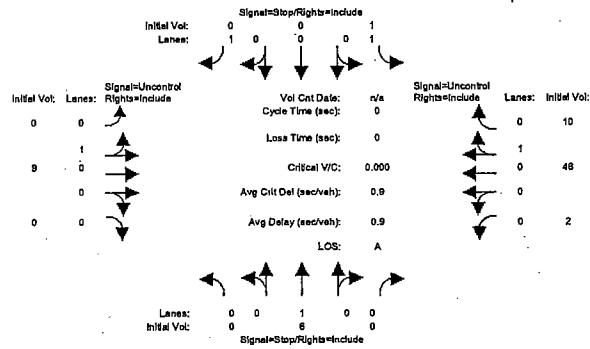
Intersection	Existing AM				Ex + Ph 1 AM				Ex + Ph 1 + Ph 2 AM					???				
	LOS	Avg Del (sec)	Crit V/C	Avg Crit Del (sec)	LOS	Avg Del (sec)	Crit V/C	Avg Crit Del (sec)	LOS	Avg Del (sec)	Crit V/C	Crit V/C Change	Avg Crit Del (sec)	Avg Crit Del Change	LOS	Avg Del (sec)	Crit V/C	Avg Crit Del (sec)
#1 Delaware/Shaffer [N/S:Shaffer E/W:Delaware]	A	0.9	0.000	0.9	B	0.4	0.000	0.4	B	0.2	0.000	+ 0.000	0.2	- 0.1	?	xx.x	x.xxx	xx.x
#2 Delaware/Natural Bridges [N/S:Natural Bridges E/W:Delaware]	A	7.9	0.194	7.9	A	8.4	0.275	8.4	A	9.4	0.378	+ 0.103	9.4	+ 0.9	?	xx.x	x.xxx	xx.x
#3 Delaware/Swanton [N/S: Swanton E/W: Delaware]	A	3.9	0.000	3.9	B	3.7	0.000	3.7	B	3.4	0.000	+ 0.000	3.4	- 0.2	?	xx.x	x.xxx	xx.x
#4 Bay/Laguna [N/S:Laguna E/W: Bay]	B	4.0	0.000	4.0	B	4.1	0.000	4.1	B	4.2	0.000	+ 0.000	4.2	+ 0.1	?	xx.x	x.xxx	xx.x
#5 SR 1/Shaffer [N/S: Shaffer E/w: SR 1]	B	2.3	0.000	2.3	B	2.3	0.000	2.3	B	2.3	0.000	+ 0.000	2.3	+ 0.0	?	xx.x	x.xxx	xx.x
#6 Delaware/Swift [N/S: Swift E/W: Delaware]	B	11.0	0.438	11.0	B	12.0	0.496	12.0	B	13.8	0.595	+ 0.099	13.8	+ 1.9	?	xx.x	x.xxx	xx.x
#7 Delaware/Almar [N/S: Almar E/W: Delaware]	A	9.3	0.354	9.3	A	9.7	0.384	9.7	B	10.2	0.422	+ 0.038	10.2	+ 0.5	?	xx.x	x.xxx	xx.x
#8 SR 1/Western [N/S: Western E/w: SR 1]	C	22.1	0.350	25.9	C	22.6	0.367	26.8	C	23.1	0.386	+ 0.019	27.6	+ 0.9	?	xx.x	x.xxx	xx.x
#9 SR 1/Swift [N/S: Swift E/w: SR 1]	C	21.2	0.316	29.6	C	21.1	0.332	29.6	C	20.9	0.351	+ 0.019	29.5	- 0.1	?	xx.x	x.xxx	xx.x
#10 Mission/Almar [N/S: Almar E/w: Mission]	C	21.7	0.396	29.3	C	22.3	0.421	30.4	C	23.1	0.455	+ 0.035	31.6	+ 1.2	?	xx.x	x.xxx	xx.x
#11 Mission/Bay [N/S: Bay E/w: Mission]	C	31.8	0.672	30.7	C	32.1	0.695	31.4	C	32.7	0.725	+ 0.030	32.6	+ 1.2	?	xx.x	x.xxx	xx.x
#12 Laurel/California [N/S: California E/w: Laurel]	C	20.3	0.442	23.8	C	20.4	0.447	24.0	C	20.6	0.452	+ 0.005	24.1	+ 0.2	?	xx.x	x.xxx	xx.x
#13 Mission/Laurel [N/S: Laurel E/w: Mission]	C	22.1	0.570	22.3	C	22.0	0.579	22.2	C	21.9	0.594	+ 0.015	22.0	- 0.2	?	xx.x	x.xxx	xx.x
#14 Mission/Walnut [N/S: Walnut E/w: Mission]	C	22.9	0.539	24.8	C	22.6	0.547	24.6	C	22.3	0.561	+ 0.014	24.3	- 0.3	?	xx.x	x.xxx	xx.x
#15 Mission/Union [N/S: Union E/w: Mission]	C	24.8	0.641	24.8	C	24.9	0.649	24.6	C	24.9	0.662	+ 0.013	24.4	- 0.3	?	xx.x	x.xxx	xx.x
#16 Mission/Chestnut [N/S: Chestnut E/w: Mission]	D	40.0	0.976	52.1	D	41.5	0.986	54.4	D	44.0	1.002	+ 0.016	58.4	+ 4.0	?	xx.x	x.xxx	xx.x
#17 Mission/River [N/S: River E/w: Mission]	C	35.0	0.860	46.4	D	35.1	0.865	46.6	D	35.3	0.874	+ 0.009	47.1	+ 0.5	?	xx.x	x.xxx	xx.x
#18 Western/Meder [N/S: Western E/w: Meder]	A	8.1	0.233	8.1	A	8.2	0.239	8.2	A	8.3	0.250	+ 0.011	8.3	+ 0.1	?	xx.x	x.xxx	xx.x
#19 High/Western [N/S: Western E/w: High]	D	4.2	0.000	4.2	D	4.4	0.000	4.4	D	4.6	0.000	+ 0.000	4.6	+ 0.2	?	xx.x	x.xxx	xx.x
#20 High/Bay [N/S: Bay E/w: High]	B	18.1	0.424	19.3	B	18.1	0.424	19.3	B	18.2	0.425	+ 0.001	19.4	+ 0.0	?	xx.x	x.xxx	xx.x
#21 Bay/Iowa [N/S: Bay E/w: Iowa]	B	12.2	0.284	10.5	B	12.2	0.285	10.5	B	12.1	0.285	+ 0.001	10.4	- 0.0	?	xx.x	x.xxx	xx.x
#22 Bay/Escalona [N/S: Bay E/w: Escalona]	C	4.6	0.000	4.6	C	4.7	0.000	4.7	C	4.7	0.000	+ 0.000	4.7	+ 0.1	?	xx.x	x.xxx	xx.x
#23 Bay/King [N/S: Bay E/w: King]	B	19.3	0.575	22.9	B	19.3	0.576	22.9	B	19.3	0.578	+ 0.002	22.9	+ 0.0	?	xx.x	x.xxx	xx.x
#24 Empire Grade/Heller [N/S: Heller E/w: Empire Grade]	B	3.2	0.000	3.2	B	3.2	0.000	3.2	B	3.2	0.000	+ 0.000	3.2	+ 0.0	?	xx.x	x.xxx	xx.x

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Existing AM

Intersection #1: Delaware/Shaffer (N/S:Shaffer E/W:Delaware)



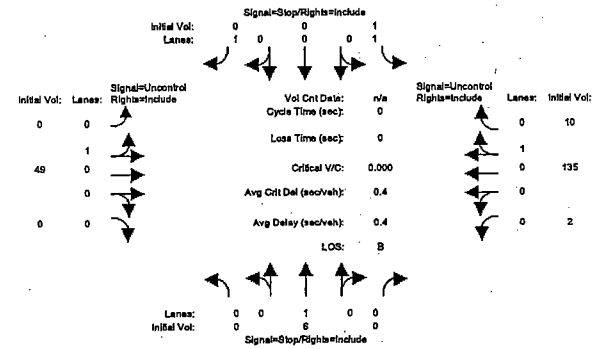
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	6	0	1	0	0	0	9	0	2	46	10
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	6	0	1	0	0	0	9	0	2	46	10
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	6	0	1	0	0	0	9	0	2	46	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	6	0	1	0	0	0	9	0	2	46	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	6	0	1	0	0	0	9	0	2	46	10
Critical Gap Module:												
Critical Gp:	xxxxx	6.6	xxxxx	7.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	4.1	xxxxx	xxxxx
FollowUpTim:	xxxxx	4.1	xxxxx	3.6	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	2.2	xxxxx	xxxxx
Capacity Module:												
Cnflct Vol:	xxxxx	69	xxxxx	67	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	9	xxxxx	xxxxx
Potent Cap.:	xxxxx	810	xxxxx	911	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	1591	xxxxx	xxxxx
Move Cap.:	xxxxx	809	xxxxx	905	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	1591	xxxxx	xxxxx
Level Of Service Module:												
Stopped Del:	xxxxx	9.5	xxxxx	9.0	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	7.3	xxxxx	xxxxx
LOS by Move:	*	A	*	A	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	9.5			9.0			xxxxxx			xxxxxx		
ApproachLOS:	A			A								

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex + Ph 1 AM

Intersection #1: Delaware/Shaffer (N/S:Shaffer E/W:Delaware)



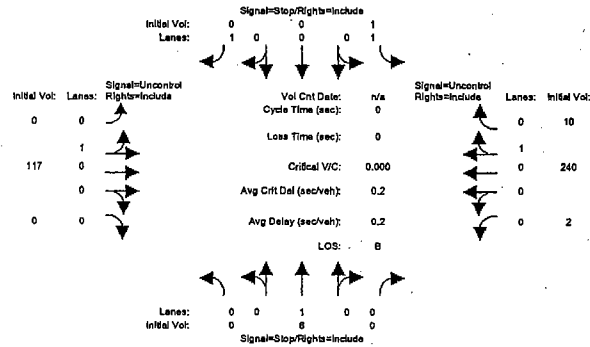
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	6	0	1	0	0	0	9	0	2	46	10
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	6	0	1	0	0	0	9	0	2	46	10
Added Vol:	0	0	0	0	0	0	0	40	0	0	89	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	6	0	1	0	0	0	49	0	2	135	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	6	0	1	0	0	0	49	0	2	135	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	6	0	1	0	0	0	49	0	2	135	10
Critical Gap Module:												
Critical Gp:	xxxxx	6.6	xxxxx	7.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	4.1	xxxxx	xxxxx
FollowUpTim:	xxxxx	4.1	xxxxx	3.6	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	2.2	xxxxx	xxxxx
Capacity Module:												
Cnflct Vol:	xxxxx	198	xxxxx	196	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	49	xxxxx	xxxxx
Potent Cap.:	xxxxx	687	xxxxx	750	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	1539	xxxxx	xxxxx
Move Cap.:	xxxxx	686	xxxxx	744	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	1539	xxxxx	xxxxx
Level Of Service Module:												
Stopped Del:	xxxxx	10.3	xxxxx	9.8	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	7.3	xxxxx	xxxxx
LOS by Move:	*	B	*	A	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	10.3			9.8			xxxxxx			xxxxxx		
ApproachLOS:	B			A								

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex 4 Ph 1 - Ph 2 AM

Intersection #1: Delaware/Shaffer [N/S:Shaffer E/W:Delaware]



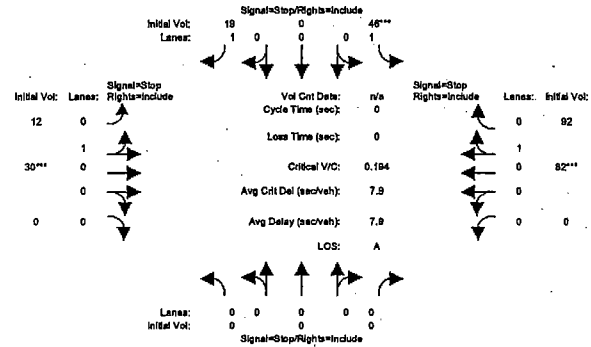
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	6	0	1	0	0	0	9	0	2	46	10
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	6	0	1	0	0	0	9	0	2	46	10
Added Vol:	0	0	0	0	0	0	0	108	0	0	194	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	6	0	1	0	0	0	117	0	2	240	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	6	0	1	0	0	0	117	0	2	240	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	6	0	1	0	0	0	117	0	2	240	10
Critical Gap Module:												
Critical Gp:	xxxxx	6.6	xxxxx	7.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	4.1	xxxxx	xxxxx
FollowUpTim:	xxxxx	4.1	xxxxx	3.6	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	2.2	xxxxx	xxxxx
Capacity Module:												
Cnflct Vol:	xxxxx	371	xxxxx	369	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	117	xxxxx	xxxxx
Potent Cap.:	xxxxx	549	xxxxx	577	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	1453	xxxxx	xxxxx
Move Cap.:	xxxxx	549	xxxxx	571	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	1453	xxxxx	xxxxx
Level Of Service Module:												
Stopped Del:	xxxxx	11.6	xxxxx	11.3	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	7.5	xxxxx	xxxxx
LOS by Move:	*	B	*	B	*	*	*	*	*	A	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	11.6			11.3			xxxxxx			xxxxxx		
ApproachLOS:	B			B			*			*		

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Estim AM

Intersection #2: Delaware/Natural Bridges [N/S:Natural Bridges E/W:Delaware]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	0	0	46	0	19	12	30	0	0	82	92
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	46	0	19	12	30	0	0	82	92
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	46	0	19	12	30	0	0	82	92
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	46	0	19	12	30	0	0	82	92
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	46	0	19	12	30	0	0	82	92
PCH Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	46	0	19	12	30	0	0	82	92
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	0.29	0.71	0.00	0.00	0.47	0.53
Final Sat.:	0	0	0	641	0	817	227	567	0	0	423	474
Capacity Analysis Module:												
Vol/Sat:	xxxxx	xxxxx	xxxxx	0.07	xxxxx	0.02	0.05	0.05	xxxxx	xxxxx	0.19	0.19
Crit Moves:	****											
Delay/Veh:	0.0	0.0	0.0	8.5	0.0	7.0	7.7	7.7	0.0	0.0	7.9	7.9
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	8.5	0.0	7.0	7.7	7.7	0.0	0.0	7.9	7.9
LOS by Move:	*	*	*	A	*	A	A	A	*	*	A	A
ApproachDel:	xxxxxx			8.1			7.7			7.9		
Delay Adj:	xxxxxx			1.00			1.00			1.00		
AppzAdjDel:	xxxxxx			8.1			7.7			7.9		
LOS by Appr:	*			A			A			A		

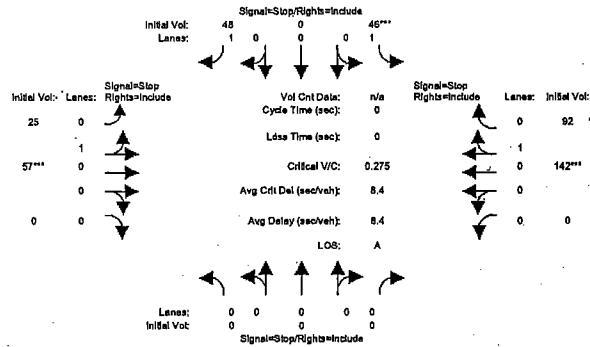


Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Ex + Ph 1 AM

Intersection #2: Delaware/Natural Bridges [N/S:Natural Bridges E/W:Delaware]



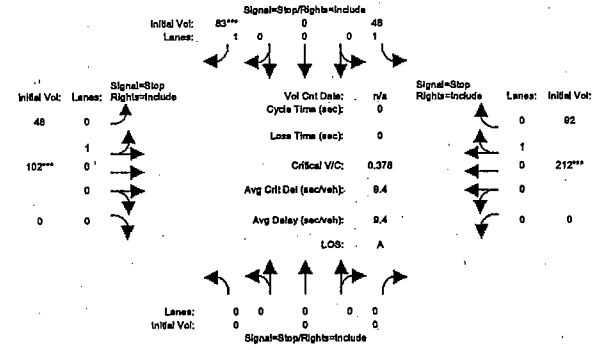
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	0	0	46	0	19	12	30	0	0	82	92
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	46	0	19	12	30	0	0	82	92
Added Vol:	0	0	0	0	0	29	13	27	0	0	60	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	46	0	48	25	57	0	0	142	92
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	46	0	48	25	57	0	0	142	92
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	46	0	48	25	57	0	0	142	92
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	46	0	48	25	57	0	0	142	92
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	0.30	0.70	0.00	0.00	0.61	0.39
Final Sat.:	0	0	0	611	0	765	233	532	0	0	517	335
Capacity Analysis Module:												
Vol/Sat:	xxxxx	xxxxx	xxxxx	0.08	xxxxx	0.06	0.11	0.11	xxxxx	xxxxx	0.27	0.27
Crit Moves:	****											
Delay/Veh:	0.0	0.0	0.0	8.8	0.0	7.4	8.1	8.1	0.0	0.0	8.7	8.7
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	8.8	0.0	7.4	8.1	8.1	0.0	0.0	8.7	8.7
LOS by Move:	*	*	*	A	*	A	A	A	*	*	A	A
ApproachDel:	,xxxxxxxx 8.1 8.1 8.7											
Delay Adj:	xxxxxx 1.00 1.00 1.00											
ApprAdjDel:	xxxxxxxx 8.1 8.1 8.7											
LOS by Appr:	* A A A											

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Ex + Ph 2 AM

Intersection #2: Delaware/Natural Bridges [N/S:Natural Bridges E/W:Delaware]



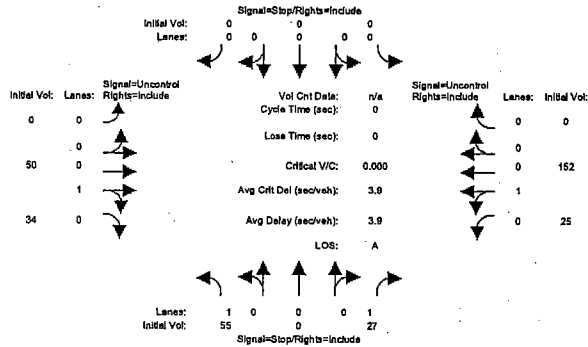
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	0	0	46	0	19	12	30	0	0	82	92
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	46	0	19	12	30	0	0	82	92
Added Vol:	0	0	0	0	0	64	36	72	0	0	130	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	46	0	83	48	102	0	0	212	92
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	46	0	83	48	102	0	0	212	92
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	46	0	83	48	102	0	0	212	92
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	46	0	83	48	102	0	0	212	92
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	0.32	0.68	0.00	0.00	0.70	0.30
Final Sat.:	0	0	0	572	0	705	234	498	0	0	561	244
Capacity Analysis Module:												
Vol/Sat:	xxxxx	xxxxx	xxxxx	0.08	xxxxx	0.12	0.20	0.20	xxxxx	xxxxx	0.38	0.38
Crit Moves:	****											
Delay/Veh:	0.0	0.0	0.0	9.2	0.0	8.1	9.0	9.0	0.0	0.0	9.9	9.9
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	9.2	0.0	8.1	9.0	9.0	0.0	0.0	9.9	9.9
LOS by Move:	*	*	*	A	*	A	A	A	*	*	A	A
ApproachDel:	,xxxxxxxx 8.5 8.5 9.0											
Delay Adj:	xxxxxx 1.00 1.00 1.00											
ApprAdjDel:	xxxxxxxx 8.5 8.5 9.0											
LOS by Appr:	* A A A											

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Edging AM

Intersection #3: Delaware/Swanton [N/S: Swanton E/W: Delaware]



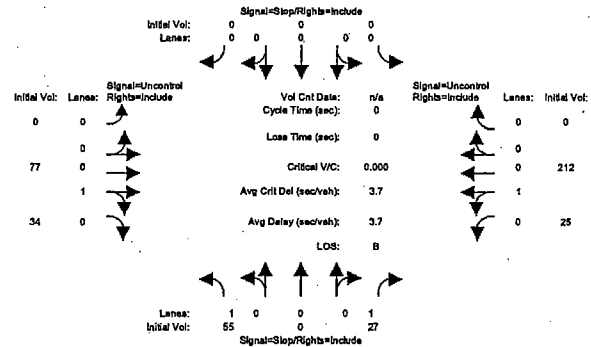
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	55	0	27	0	0	0	0	50	34	25	152	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	55	0	27	0	0	0	0	50	34	25	152	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	55	0	27	0	0	0	0	50	34	25	152	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	55	0	27	0	0	0	0	50	34	25	152	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	55	0	27	0	0	0	0	50	34	25	152	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Conflict Vol:	269	XXXX	67	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	84	XXXX	XXXX
Potent Cap.:	720	XXXX	997	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1494	XXXX	XXXX
Move Cap.:	711	XXXX	997	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1494	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	10.5	XXXX	8.7	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	7.5	XXXX	XXXX
LOS by Move:	B	*	A	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	7.5	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	9.9		XXXXXX	XXXXXX			XXXXXX			XXXXXX		
ApproachLOS:	A		*	*			*			*		*

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex + Ph 1 AM

Intersection #3: Delaware/Swanton [N/S: Swanton E/W: Delaware]



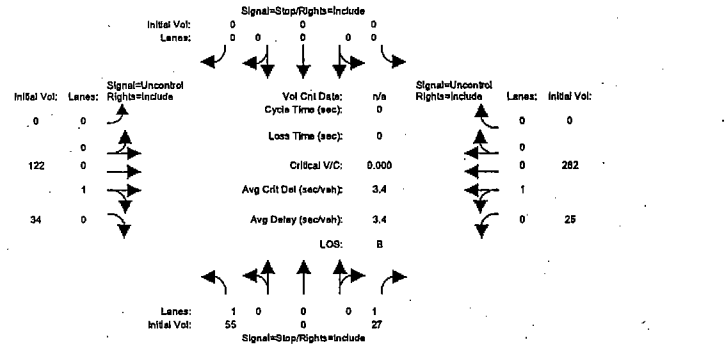
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	55	0	27	0	0	0	0	50	34	25	152	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	55	0	27	0	0	0	0	50	34	25	152	0
Added Vol:	0	0	0	0	0	0	0	27	0	0	60	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	55	0	27	0	0	0	0	77	34	25	212	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	55	0	27	0	0	0	0	77	34	25	212	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	55	0	27	0	0	0	0	77	34	25	212	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Conflict Vol:	356	XXXX	94	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	111	XXXX	XXXX
Potent Cap.:	642	XXXX	963	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1460	XXXX	XXXX
Move Cap.:	634	XXXX	963	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1460	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	11.2	XXXX	8.8	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	7.5	XXXX	XXXX
LOS by Move:	B	*	A	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	7.5	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	10.4		XXXXXX	XXXXXX			XXXXXX			XXXXXX		
ApproachLOS:	B		*	*			*			*		*

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 AM

Intersection #3: Delaware/Swanton [N/S: Swanton E/W: Delaware]



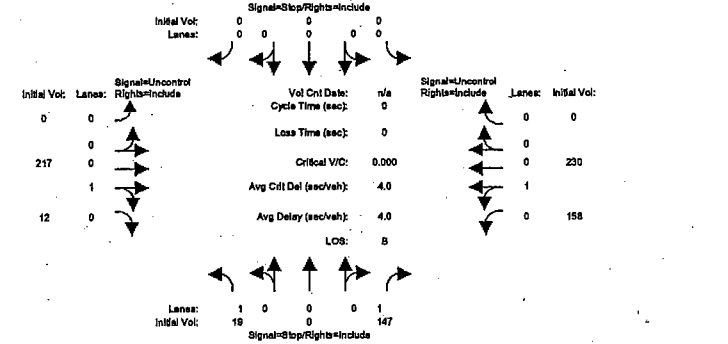
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	55	0	27	0	0	0	0	50	34	25	152	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	55	0	27	0	0	0	0	50	34	25	152	0
Added Vol:	0	0	0	0	0	0	0	72	0	0	130	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	55	0	27	0	0	0	0	122	34	25	282	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	55	0	27	0	0	0	0	122	34	25	282	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	55	0	27	0	0	0	0	122	34	25	282	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Conflict Vol:	471	XXXX	139	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	156	XXXX	XXXX
Potent Cap.:	551	XXXX	909	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1406	XXXX	XXXX
Move Cap.:	544	XXXX	909	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1406	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	12.4	XXXX	9.1	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	7.6	XXXX	XXXX
LOS by Move:	B	*	A	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	7.6	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	11.3		XXXXXX			XXXXXX			XXXXXX	XXXXXX		
ApproachLOS:	B		*			*			*	*		*

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Existing AM

Intersection #4: BayLaguna [N/S:Laguna E/W: Bay]



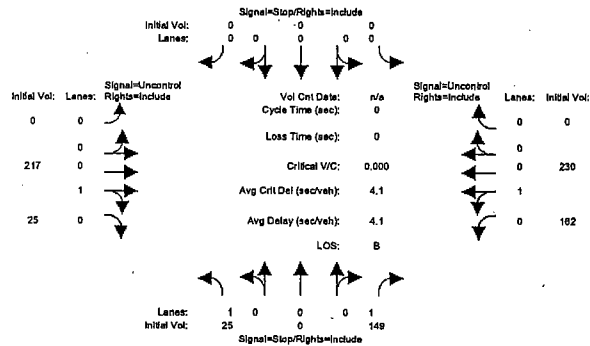
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	19	0	147	0	0	0	0	217	12	158	230	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	19	0	147	0	0	0	0	217	12	158	230	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	19	0	147	0	0	0	0	217	12	158	230	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	19	0	147	0	0	0	0	217	12	158	230	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	19	0	147	0	0	0	0	217	12	158	230	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Conflict Vol:	769	XXXX	223	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	229	XXXX	XXXX
Potent Cap.:	372	XXXX	822	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1351	XXXX	XXXX
Move Cap.:	336	XXXX	822	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1351	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	16.4	XXXX	10.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.0	XXXX	XXXX
LOS by Move:	C	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.0	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	11.0		XXXXXX			XXXXXX			XXXXXX	XXXXXX		
ApproachLOS:	B		*			*			*	*		*

Marina Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex + Ph 1 AM

Intersection #4: Bay/Laguna [N/S:Laguna EW: Bay]



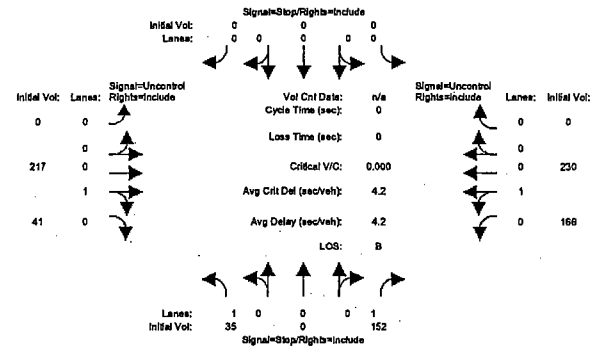
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	19	0	147	0	0	0	0	217	12	158	230	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	19	0	147	0	0	0	0	217	12	158	230	0
Added Vol:	6	0	2	0	0	0	0	0	13	4	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	25	0	149	0	0	0	0	217	25	162	230	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	25	0	149	0	0	0	0	217	25	162	230	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	25	0	149	0	0	0	0	217	25	162	230	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	784	XXXX	230	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	242	XXXX	XXXX
Potent Cap.:	365	XXXX	815	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1336	XXXX	XXXX
Move Cap.:	328	XXXX	815	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1336	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	16.9	XXXX	10.4	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.1	XXXX	XXXX
LOS by Move:	C	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT			LT - LTR - RT			LT - LTR - RT			LT - LTR - RT		
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.1	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	11.3			XXXX			XXXX			XXXX		
ApproachLOS:	B			*			*			*		

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 AM

Intersection #4: Bay/Laguna [N/S:Laguna EW: Bay]



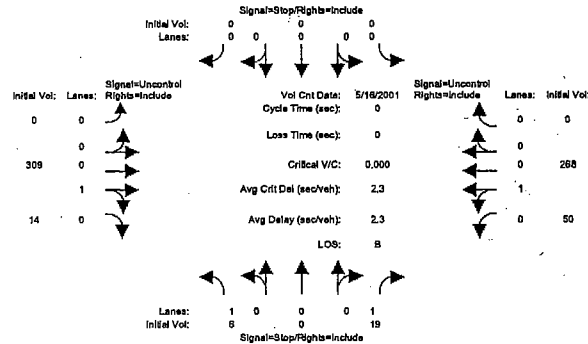
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	19	0	147	0	0	0	0	217	12	158	230	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	19	0	147	0	0	0	0	217	12	158	230	0
Added Vol:	16	0	5	0	0	0	0	0	29	8	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	35	0	152	0	0	0	0	217	41	166	230	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	35	0	152	0	0	0	0	217	41	166	230	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	35	0	152	0	0	0	0	217	41	166	230	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	800	XXXX	238	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	258	XXXX	XXXX
Potent Cap.:	357	XXXX	806	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1318	XXXX	XXXX
Move Cap.:	319	XXXX	806	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1318	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	17.7	XXXX	10.5	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.1	XXXX	XXXX
LOS by Move:	C	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT			LT - LTR - RT			LT - LTR - RT			LT - LTR - RT		
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.1	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	11.8			XXXX			XXXX			XXXX		
ApproachLOS:	B			*			*			*		

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Existing AM

Intersection #5: SR 1/Shaffer (N/S: Shaffer E/W: SR 1)



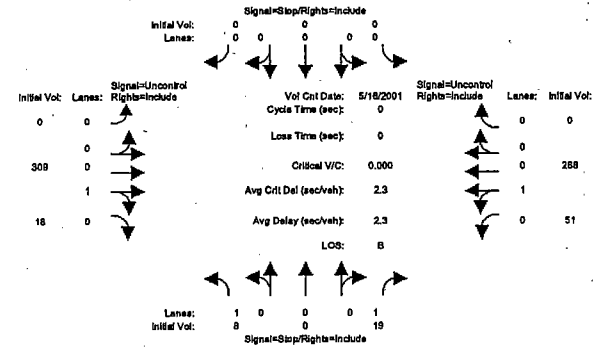
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: >> Count Date: 16 May 2001 <<												
Base Vol:	6	0	19	0	0	0	0	309	14	50	268	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	6	0	19	0	0	0	0	309	14	50	268	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	6	0	19	0	0	0	0	309	14	50	268	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	6	0	19	0	0	0	0	309	14	50	268	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	6	0	19	0	0	0	0	309	14	50	268	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	10.1	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	684	XXXX	316	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	323	XXXX	XXXX
Potent Cap.:	417	XXXX	729	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1248	XXXX	XXXX
Move Cap.:	404	XXXX	729	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1248	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	14.0	XXXX	10.1	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.0	XXXX	XXXX
LOS by Move:	B	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.0	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	11.0		XXXXXX	XXXXXX		XXXXXX	XXXXXX		XXXXXX	XXXXXX		XXXXXX
ApproachLOS:	B		*	*		*	*		*	*		*

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex + Ph 1 AM

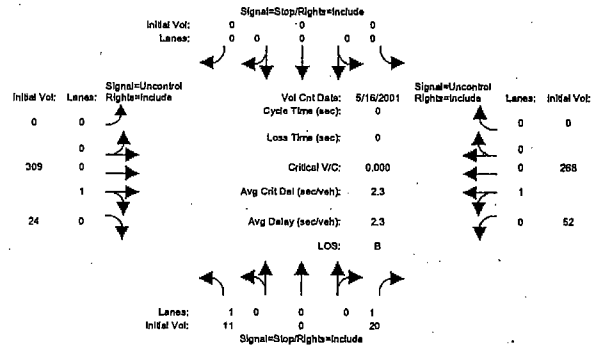
Intersection #5: SR 1/Shaffer (N/S: Shaffer E/W: SR 1)



Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: >> Count Date: 16 May 2001 <<												
Base Vol:	6	0	19	0	0	0	0	309	14	50	268	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	6	0	19	0	0	0	0	309	14	50	268	0
Added Vol:	2	0	0	0	0	0	0	0	4	1	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	8	0	19	0	0	0	0	309	18	51	268	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	8	0	19	0	0	0	0	309	18	51	268	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	8	0	19	0	0	0	0	309	18	51	268	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	10.1	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	688	XXXX	318	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	327	XXXX	XXXX
Potent Cap.:	415	XXXX	727	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1244	XXXX	XXXX
Move Cap.:	402	XXXX	727	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1244	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	14.1	XXXX	10.1	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.0	XXXX	XXXX
LOS by Move:	B	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.0	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	11.3		XXXXXX	XXXXXX		XXXXXX	XXXXXX		XXXXXX	XXXXXX		XXXXXX
ApproachLOS:	B		*	*		*	*		*	*		*

Marine Science Center  
November 2003  
Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 AM

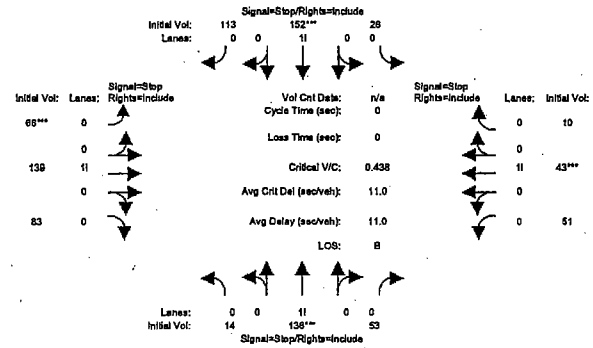
Intersection #6: SR 1/Shaffer [N/S: Shaffer E/W: SR 1]



Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	T	R	R	L	T	R	R	L	T	R	R	L	T	R	R
Volume Module: >> Count Date: 16 May 2001 <<																
Base Vol:	6	0	19	0	0	0	0	0	0	309	14	50	268	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	6	0	19	0	0	0	0	0	0	309	14	50	268	0	0	0
Added Vol:	5	0	1	0	0	0	0	0	0	0	10	2	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	11	0	20	0	0	0	0	0	0	309	24	52	268	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	11	0	20	0	0	0	0	0	0	309	24	52	268	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	11	0	20	0	0	0	0	0	0	309	24	52	268	0	0	0
Critical Gap Module:																
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX	XXXX	XXXX
Capacity Module:																
Cnflct Vol:	693	XXXX	321	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	333	XXXX	XXXX	XXXX	XXXX
Potent Cap.:	412	XXXX	724	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1238	XXXX	XXXX	XXXX	XXXX
Move Cap.:	399	XXXX	724	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1238	XXXX	XXXX	XXXX	XXXX
Level of Service Module:																
Stopped Del:	14.3	XXXX	10.1	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.0	XXXX	XXXX	XXXX	XXXX
LOS by Move:	B	*	B	*	*	*	*	*	*	*	*	A	*	*	*	*
Movement:	LT	LTR	RT	RT	LT	LTR	RT	RT	LT	LTR	RT	LT	LTR	RT	RT	RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.0	XXXX	XXXX	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	A	*	*	*	*
ApproachDel:	11.6	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
ApproachLOS:	B	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Marine Science Center  
November 2003  
Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Existing AM

Intersection #6: Delaware/Swift [N/S: Swift E/W: Delaware]

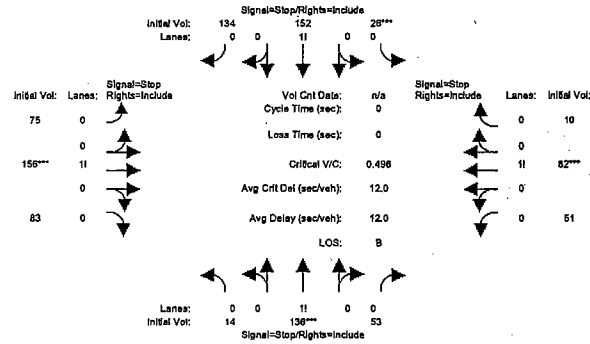


Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	T	R	R	L	T	R	R	L	T	R	R	L	T	R	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:																
Base Vol:	14	136	53	26	152	113	66	139	83	51	43	10	0	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	14	136	53	26	152	113	66	139	83	51	43	10	0	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	14	136	53	26	152	113	66	139	83	51	43	10	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	14	136	53	26	152	113	66	139	83	51	43	10	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	14	136	53	26	152	113	66	139	83	51	43	10	0	0	0	0
PCF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	14	136	53	26	152	113	66	139	83	51	43	10	0	0	0	0
Saturation Flow Module:																
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.07	0.67	0.26	0.09	0.52	0.39	0.23	0.48	0.29	0.49	0.41	0.10	0.10	0.10	0.10	0.10
Final Sat.:	45	433	169	61	356	264	151	317	189	284	240	56	56	56	56	56
Capacity Analysis Module:																
Vol/Sat:	0.31	0.31	0.31	0.43	0.43	0.43	0.44	0.44	0.44	0.18	0.18	0.18	0.18	0.18	0.18	0.18
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	10.3	10.3	10.3	11.3	11.3	11.3	11.7	11.7	11.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	10.3	10.3	10.3	11.3	11.3	11.3	11.7	11.7	11.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
LOS by Move:	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A
ApproachDel:	10.3	11.3	11.3	11.7	11.7	11.7	11.7	11.7	11.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ApprAdjDel:	10.3	11.3	11.3	11.7	11.7	11.7	11.7	11.7	11.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
LOS by Appr:	B	B	B	B	B	B	B	B	B	A	A	A	A	A	A	A

Marine Science Center

November 2003  
Level of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Ex + Ph 1 AM

Intersection #6: Delaware/Swift (N/S: Swift E/W: Delaware)

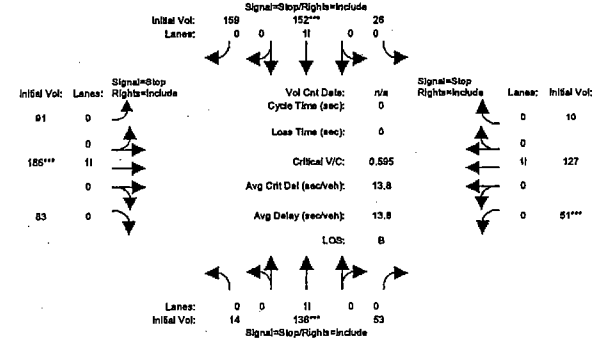


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	14	136	53	26	152	113	66	139	83	51	43	10
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	14	136	53	26	152	113	66	139	83	51	43	10
Added Vol:	0	0	0	0	0	21	9	17	0	0	39	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	14	136	53	26	152	134	75	156	83	51	82	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	14	136	53	26	152	134	75	156	83	51	82	10
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	14	136	53	26	152	134	75	156	83	51	82	10
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	14	136	53	26	152	134	75	156	83	51	82	10
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.07	0.67	0.26	0.08	0.49	0.43	0.24	0.50	0.26	0.36	0.57	0.07
Final Sat.:	42	407	158	54	318	280	151	315	168	201	323	39
Capacity Analysis Module:												
Vol/Sat:	0.33	0.33	0.33	0.48	0.48	0.48	0.50	0.50	0.50	0.25	0.25	0.25
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	10.9	10.9	10.9	12.4	12.4	12.4	12.9	12.9	12.9	10.5	10.5	10.5
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	10.9	10.9	10.9	12.4	12.4	12.4	12.9	12.9	12.9	10.5	10.5	10.5
LOS by Move:	B	B	B	B	B	B	B	B	B	B	B	B
ApproachDel:	10.9			12.4			12.9			10.5		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	10.9			12.4			12.9			10.5		
LOS by Appr:	B			B			B			B		

Marine Science Center

November 2003  
Level of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 AM

Intersection #6: Delaware/Swift (N/S: Swift E/W: Delaware)

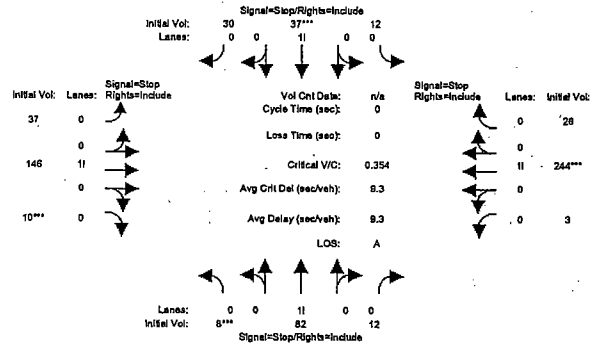


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	14	136	53	26	152	113	66	139	83	51	43	10
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	14	136	53	26	152	113	66	139	83	51	43	10
Added Vol:	0	0	0	0	0	46	25	47	0	0	84	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	14	136	53	26	152	159	91	186	83	51	127	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	14	136	53	26	152	159	91	186	83	51	127	10
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	14	136	53	26	152	159	91	186	83	51	127	10
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	14	136	53	26	152	159	91	186	83	51	127	10
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.07	0.67	0.26	0.08	0.45	0.47	0.25	0.52	0.23	0.27	0.68	0.05
Final Sat.:	38	371	145	47	276	289	153	313	140	146	363	29
Capacity Analysis Module:												
Vol/Sat:	0.37	0.37	0.37	0.55	0.55	0.55	0.59	0.59	0.59	0.35	0.35	0.35
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	11.8	11.8	11.8	14.3	14.3	14.3	15.6	15.6	15.6	11.8	11.8	11.8
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	11.8	11.8	11.8	14.3	14.3	14.3	15.6	15.6	15.6	11.8	11.8	11.8
LOS by Move:	B	B	B	B	B	B	C	C	C	B	B	B
ApproachDel:	11.8			14.3			15.6			11.8		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	11.8			14.3			15.6			11.8		
LOS by Appr:	B			B			C			B		

Marine Science Center  
November 2003

Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Existing AM

Intersection #7: Delaware/Almar [N/S: Almar E/W: Delaware]

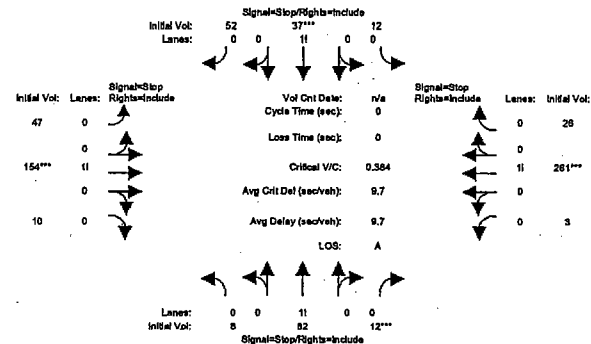


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	8	82	12	12	37	30	37	146	10	3	244	26
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	8	82	12	12	37	30	37	146	10	3	244	26
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	8	82	12	12	37	30	37	146	10	3	244	26
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	8	82	12	12	37	30	37	146	10	3	244	26
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	82	12	12	37	30	37	146	10	3	244	26
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	82	12	12	37	30	37	146	10	3	244	26
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.08	0.80	0.12	0.15	0.47	0.38	0.19	0.76	0.05	0.01	0.89	0.10
Final Sat.:	52	535	78	102	316	256	143	563	39	8	690	74
Capacity Analysis Module:												
Vol/Sat:	0.15	0.15	0.15	0.12	0.12	0.12	0.26	0.26	0.26	0.35	0.35	0.35
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	8.8	8.8	8.8	8.5	8.5	8.5	9.2	9.2	9.2	9.8	9.8	9.8
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	8.8	8.8	8.8	8.5	8.5	8.5	9.2	9.2	9.2	9.8	9.8	9.8
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	8.8			8.5			9.2			9.8		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	8.8			8.5			9.2			9.8		
LOS by Appr:	A			A			A			A		

Marine Science Center  
November 2003

Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Ex + Ph 1 AM

Intersection #7: Delaware/Almar [N/S: Almar E/W: Delaware]



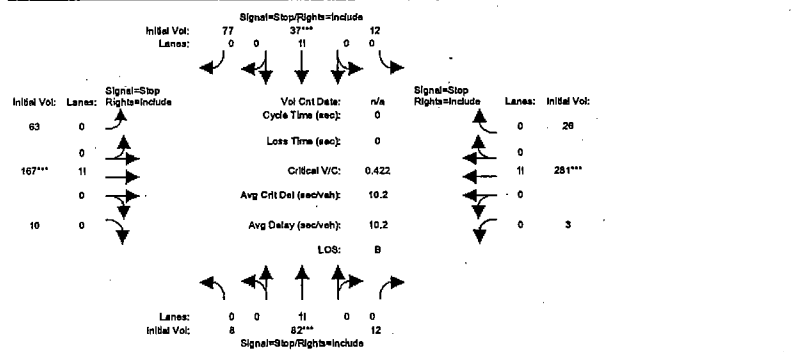
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	8	82	12	12	37	30	37	146	10	3	244	26
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	8	82	12	12	37	30	37	146	10	3	244	26
Added Vol:	0	0	0	0	0	0	22	10	8	0	0	17
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	8	82	12	12	37	30	52	47	154	10	3	261
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	8	82	12	12	37	30	52	47	154	10	3	261
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	82	12	12	37	30	52	47	154	10	3	261
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	82	12	12	37	30	52	47	154	10	3	261
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.08	0.80	0.12	0.12	0.37	0.51	0.22	0.73	0.05	0.01	0.90	0.09
Final Sat.:	50	517	76	80	245	345	162	530	34	8	679	68
Capacity Analysis Module:												
Vol/Sat:	0.16	0.16	0.16	0.15	0.15	0.15	0.29	0.29	0.29	0.38	0.38	0.38
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	9.0	9.0	9.0	8.7	8.7	8.7	9.6	9.6	9.6	10.3	10.3	10.3
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	9.0	9.0	9.0	8.7	8.7	8.7	9.6	9.6	9.6	10.3	10.3	10.3
LOS by Move:	A	A	A	A	A	A	A	A	A	B	B	B
ApproachDel:	9.0			8.7			9.6			10.3		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	9.0			8.7			9.6			10.3		
LOS by Appr:	A			A			A			B		



Marine Science Center  
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Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 AM

Intersección #7: Delaware/Almar [N/S: Almar E/W: Delaware]

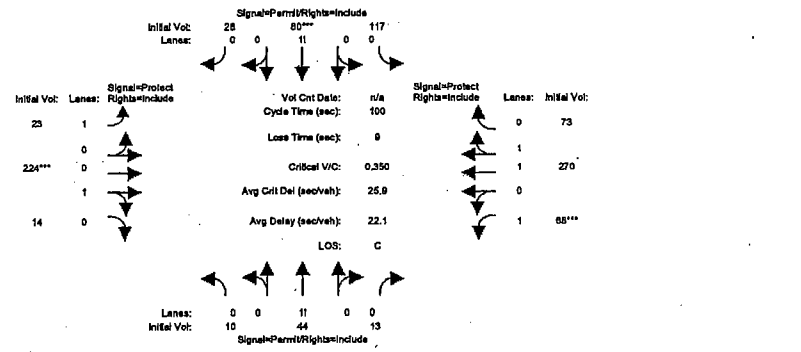


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	8	82	12	12	37	30	37	146	10	3	244	26
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	8	82	12	12	37	30	37	146	10	3	244	26
Added Vol:	0	0	0	0	0	47	26	21	0	0	37	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	8	82	12	12	37	77	63	167	10	3	281	26
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	8	82	12	12	37	77	63	167	10	3	281	26
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	82	12	12	37	77	63	167	10	3	281	26
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	82	12	12	37	77	63	167	10	3	281	26
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.08	0.80	0.12	0.10	0.29	0.61	0.26	0.70	0.04	0.01	0.91	0.08
Final Sat.:	48	496	73	63	193	401	186	492	29	7	665	62
Capacity Analysis Module:												
Vol/Sat:	0.17	0.17	0.17	0.19	0.19	0.19	0.34	0.34	0.34	0.42	0.42	0.42
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	9.2	9.2	9.2	9.0	9.0	9.0	10.2	10.2	10.2	10.9	10.9	10.9
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	9.2	9.2	9.2	9.0	9.0	9.0	10.2	10.2	10.2	10.9	10.9	10.9
LOS by Move:	A	A	A	A	A	A	B	B	B	B	B	B
ApproachDel:	9.2	9.0	9.0	9.0	10.2	10.2	10.2	10.9	10.9	10.9	10.9	10.9
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ApprAdjDel:	9.2	9.0	9.0	9.0	10.2	10.2	10.2	10.9	10.9	10.9	10.9	10.9
LOS by Appr:	A	A	A	A	B	B	B	B	B	B	B	B

Marine Science Center  
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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Est. By AM

Intersection #8: SR 1/Western [N/S: Western E/W: SR 1]



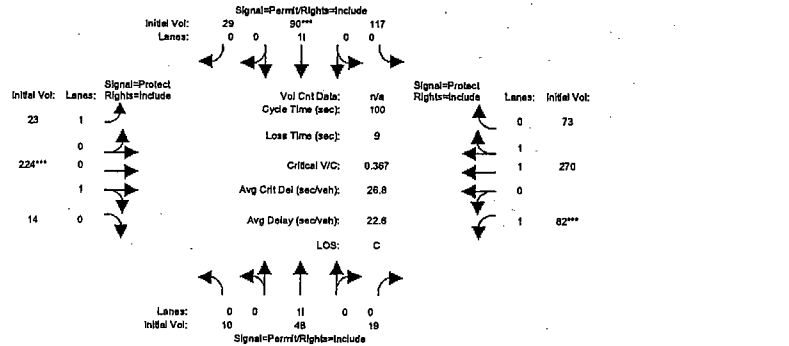
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	10	44	13	117	80	28	23	224	14	68	270	73
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	10	44	13	117	80	28	23	224	14	68	270	73
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	10	44	13	117	80	28	23	224	14	68	270	73
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	10	44	13	117	80	28	23	224	14	68	270	73
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	10	44	13	117	80	28	23	224	14	68	270	73
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	10	44	13	117	80	28	23	224	14	68	270	73
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.92	0.92	0.78	0.78	0.78	0.93	0.97	0.97	0.93	0.90	0.90
Lanes:	0.15	0.66	0.19	0.52	0.36	0.12	1.00	0.94	0.06	1.00	1.57	0.43
Final Sat.:	260	1142	337	773	528	185	1769	1737	109	1769	2696	729
Capacity Analysis Module:												
Vol/Sat:	0.04	0.04	0.04	0.15	0.15	0.15	0.01	0.13	0.13	0.04	0.10	0.10
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.43	0.43	0.43	0.43	0.43	0.43	0.05	0.37	0.37	0.11	0.42	0.42
Volume/Cap:	0.09	0.09	0.09	0.35	0.35	0.35	0.24	0.35	0.35	0.35	0.24	0.24
Delay/Veh:	16.8	16.8	16.8	19.3	19.3	19.3	46.5	23.2	23.2	42.3	18.6	18.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	16.8	16.8	16.8	19.3	19.3	19.3	46.5	23.2	23.2	42.3	18.6	18.6
DesignQueue:	0	1	0	4	3	1	1	8	1	3	9	2

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex + Ph 1 AM

Intersection #8: SR 1/Western [N/S: Western E/W: SR 1]



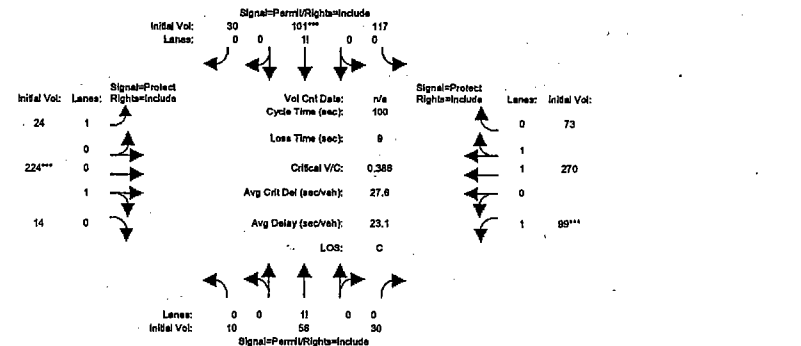
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	10	44	13	117	80	28	23	224	14	68	270	73
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	10	44	13	117	80	28	23	224	14	68	270	73
Added Vol:	0	4	6	0	10	1	0	0	0	14	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	10	48	19	117	90	29	23	224	14	82	270	73
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	10	48	19	117	90	29	23	224	14	82	270	73
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	10	48	19	117	90	29	23	224	14	82	270	73
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	10	48	19	117	90	29	23	224	14	82	270	73
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.91	0.91	0.91	0.79	0.79	0.79	0.93	0.97	0.97	0.93	0.90	0.90
Lanes:	0.13	0.62	0.25	0.50	0.38	0.12	1.00	0.94	0.06	1.00	1.57	0.43
Final Sat.:	225	1081	428	740	569	183	1769	1737	109	1769	2696	729
Capacity Analysis Module:												
Vol/Sat:	0.04	0.04	0.04	0.16	0.16	0.16	0.01	0.13	0.13	0.05	0.10	0.10
Crit Moves:				****			****			****		
Green/Cycle:	0.43	0.43	0.43	0.43	0.43	0.43	0.05	0.35	0.35	0.13	0.42	0.42
Volume/Cap:	0.10	0.10	0.10	0.37	0.37	0.37	0.24	0.37	0.37	0.37	0.24	0.24
Delay/Veh:	17.0	17.0	17.0	19.5	19.5	19.5	46.5	24.5	24.5	41.0	18.6	18.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	17.0	17.0	17.0	19.5	19.5	19.5	46.5	24.5	24.5	41.0	18.6	18.6
DesignQueue:	0	2	1	4	3	1	1	8	1	4	9	2

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 AM

Intersection #8: SR 1/Western [N/S: Western E/W: SR 1]



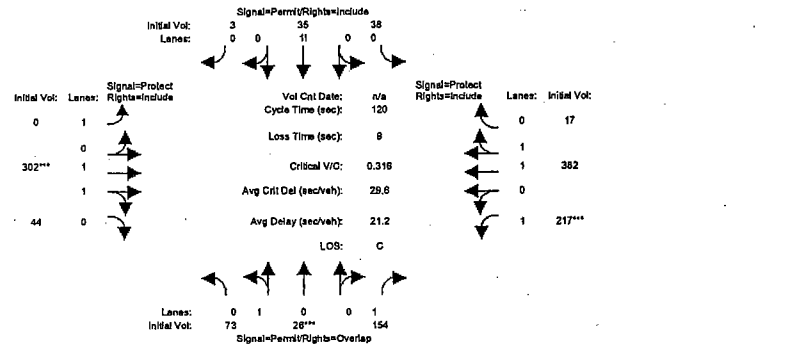
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	10	44	13	117	80	28	23	224	14	68	270	73
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	10	44	13	117	80	28	23	224	14	68	270	73
Added Vol:	0	12	17	0	21	2	1	0	0	31	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	10	56	30	117	101	30	24	224	14	99	270	73
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	10	56	30	117	101	30	24	224	14	99	270	73
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	10	56	30	117	101	30	24	224	14	99	270	73
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	10	56	30	117	101	30	24	224	14	99	270	73
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.91	0.91	0.91	0.78	0.78	0.78	0.93	0.97	0.97	0.93	0.90	0.90
Lanes:	0.10	0.59	0.31	0.47	0.41	0.12	1.00	0.94	0.06	1.00	1.57	0.43
Final Sat.:	180	1008	540	704	607	180	1769	1737	109	1769	2696	729
Capacity Analysis Module:												
Vol/Sat:	0.06	0.06	0.06	0.17	0.17	0.17	0.01	0.13	0.13	0.06	0.10	0.10
Crit Moves:				****			****			****		
Green/Cycle:	0.43	0.43	0.43	0.43	0.43	0.43	0.06	0.33	0.33	0.15	0.42	0.42
Volume/Cap:	0.13	0.13	0.13	0.39	0.39	0.39	0.24	0.39	0.39	0.39	0.24	0.24
Delay/Veh:	17.2	17.2	17.2	19.8	19.8	19.8	46.3	25.9	25.9	39.7	18.6	18.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	17.2	17.2	17.2	19.8	19.8	19.8	46.3	25.9	25.9	39.7	18.6	18.6
DesignQueue:	0	2	1	4	3	1	1	9	1	5	9	2

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Existing AM

Intersection #9: SR 1/Swift [N/S: Swift E/W: SR 1]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	73	26	154	38	35	3	0	302	44	217	382	17
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	73	26	154	38	35	3	0	302	44	217	382	17
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	73	26	154	38	35	3	0	302	44	217	382	17
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	73	26	154	38	35	3	0	302	44	217	382	17
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	73	26	154	38	35	3	0	302	44	217	382	17
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	73	26	154	38	35	3	0	302	44	217	382	17

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.74	0.74	0.83	0.82	0.82	0.82	1.00	0.91	0.91	0.93	0.93	0.93
Lanes:	0.74	0.26	1.00	0.50	0.46	0.04	1.00	1.75	0.25	1.00	1.91	0.09
Final Sat.:	1038	370	1583	775	714	61	1900	3029	441	1769	3367	150

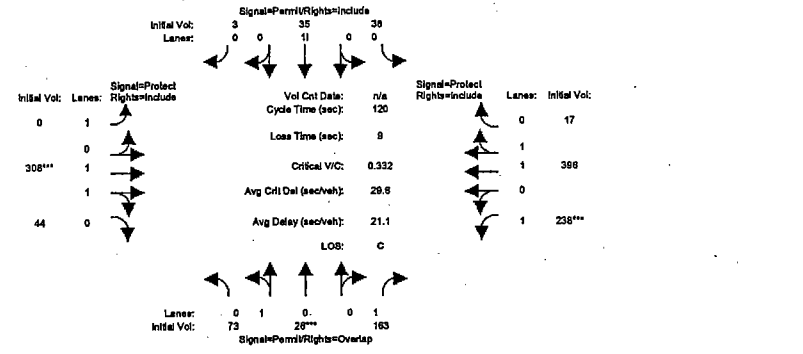
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.07	0.07	0.10	0.05	0.05	0.05	0.00	0.10	0.10	0.12	0.11	0.11
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.22	0.22	0.61	0.22	0.22	0.22	0.00	0.32	0.32	0.39	0.70	0.70
Volume/Cap:	0.32	0.32	0.16	0.22	0.22	0.22	0.00	0.32	0.32	0.32	0.16	0.16
Delay/Veh:	39.6	39.6	10.2	38.5	38.5	38.5	0.0	31.4	31.4	25.9	6.0	6.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	39.6	39.6	10.2	38.5	38.5	38.5	0.0	31.4	31.4	25.9	6.0	6.0
DesignQueue:	4	1	4	2	2	0	0	14	2	9	8	0

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex - Ph 1 AM

Intersection #9: SR 1/Swift [N/S: Swift E/W: SR 1]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	73	26	154	38	35	3	0	302	44	217	382	17
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	73	26	154	38	35	3	0	302	44	217	382	17
Added Vol:	0	0	9	0	0	0	0	0	6	0	21	14
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	73	26	163	38	35	3	0	308	44	238	396	17
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	73	26	163	38	35	3	0	308	44	238	396	17
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	73	26	163	38	35	3	0	308	44	238	396	17
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	73	26	163	38	35	3	0	308	44	238	396	17

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.74	0.74	0.83	0.82	0.82	0.82	1.00	0.91	0.91	0.93	0.93	0.93
Lanes:	0.74	0.26	1.00	0.50	0.46	0.04	1.00	1.75	0.25	1.00	1.92	0.08
Final Sat.:	1032	368	1583	774	713	61	1900	3037	434	1769	3372	145

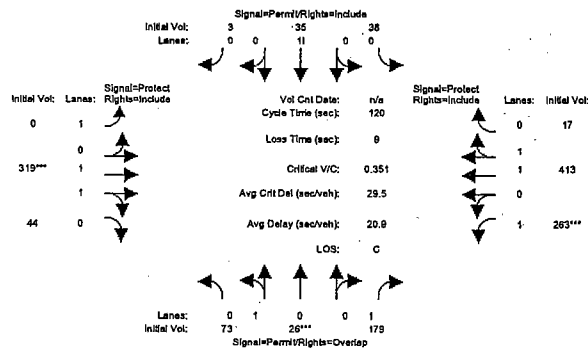
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.07	0.07	0.10	0.05	0.05	0.05	0.00	0.10	0.10	0.13	0.12	0.12
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.21	0.21	0.62	0.21	0.21	0.21	0.00	0.31	0.31	0.41	0.71	0.71
Volume/Cap:	0.33	0.33	0.17	0.23	0.23	0.23	0.00	0.33	0.33	0.33	0.17	0.17
Delay/Veh:	40.6	40.6	9.8	39.4	39.4	39.4	0.0	32.4	32.4	24.7	5.7	5.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	40.6	40.6	9.8	39.4	39.4	39.4	0.0	32.4	32.4	24.7	5.7	5.7
DesignQueue:	4	1	4	2	2	0	0	15	2	10	8	0

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 AM

Intersection #9: SR 1/Swift [N/S: Swift E/W: SR 1]



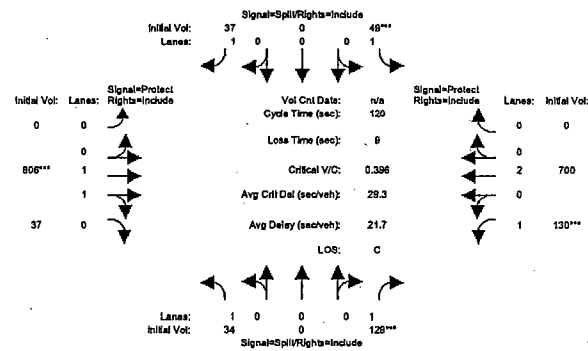
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	73	26	154	38	35	3	0	302	44	217	382	17
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	73	26	154	38	35	3	0	302	44	217	382	17
Added Vol:	0	0	25	0	0	0	0	17	0	46	31	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	73	26	179	38	35	3	0	319	44	263	413	17
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	73	26	179	38	35	3	0	319	44	263	413	17
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	73	26	179	38	35	3	0	319	44	263	413	17
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	73	26	179	38	35	3	0	319	44	263	413	17
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.73	0.73	0.83	0.81	0.81	0.81	1.00	0.91	0.91	0.93	0.93	0.93
Lanes:	0.74	0.26	1.00	0.50	0.46	0.04	1.00	1.76	0.24	1.00	1.92	0.08
Final Sat.:	1026	365	1583	773	712	61	1900	3053	421	1769	3378	139
Capacity Analysis Module:												
Vol/Sat:	0.07	0.07	0.11	0.05	0.05	0.05	0.00	0.10	0.10	0.15	0.12	0.12
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.20	0.20	0.63	0.20	0.20	0.20	0.00	0.30	0.30	0.42	0.72	0.72
Volume/Cap:	0.35	0.35	0.18	0.24	0.24	0.24	0.00	0.35	0.35	0.35	0.17	0.17
Delay/Veh:	41.8	41.8	9.5	40.5	40.5	40.5	0.0	33.2	33.2	23.7	5.3	5.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	41.8	41.8	9.5	40.5	40.5	40.5	0.0	33.2	33.2	23.7	5.3	5.3
DesignQueue:	4	1	5	2	2	0	0	15	2	10	8	0

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Existing AM

Intersection #10: Mission/Almar [N/S: Almar E/W: Mission]



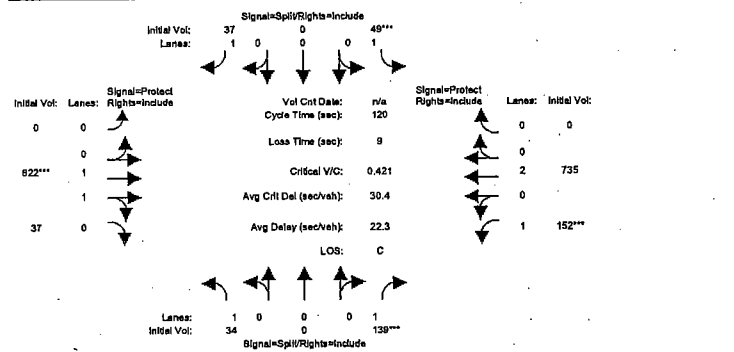
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	34	0	129	49	0	37	0	606	37	130	700	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	34	0	129	49	0	37	0	606	37	130	700	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	34	0	129	49	0	37	0	606	37	130	700	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	34	0	129	49	0	37	0	606	37	130	700	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	34	0	129	49	0	37	0	606	37	130	700	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	34	0	129	49	0	37	0	606	37	130	700	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	1.00	0.83	0.93	1.00	0.83	1.00	0.92	0.92	0.93	0.93	1.00
Lanes:	1.00	0.00	1.00	1.00	0.00	1.00	0.00	1.88	0.12	1.00	2.00	0.00
Final Sat.:	1769	0	1583	1769	0	1583	0	3304	202	1769	3538	139
Capacity Analysis Module:												
Vol/Sat:	0.02	0.00	0.08	0.03	0.00	0.02	0.00	0.18	0.18	0.07	0.20	0.00
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.21	0.00	0.21	0.07	0.00	0.07	0.00	0.46	0.46	0.19	0.65	0.00
Volume/Cap:	0.09	0.00	0.40	0.40	0.00	0.33	0.00	0.40	0.40	0.40	0.30	0.00
Delay/Veh:	38.7	0.0	42.0	55.5	0.0	54.9	0.0	21.3	21.3	43.7	9.3	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.7	0.0	42.0	55.5	0.0	54.9	0.0	21.3	21.3	43.7	9.3	0.0
DesignQueue:	2	0	7	3	0	2	0	23	1	7	17	0

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Level of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex + Ph 1 AM

Intersection #10: Mission/Almar [N/S: Almar E/W: Mission]



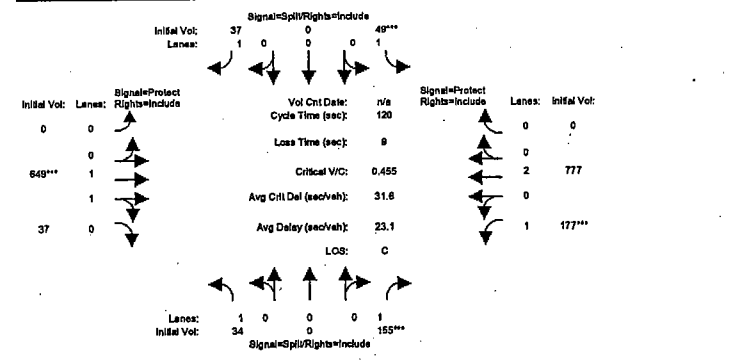
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	34	0	129	49	0	37	0	606	37	130	700	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	34	0	129	49	0	37	0	606	37	130	700	0
Added Vol:	0	0	10	0	0	0	0	16	0	22	35	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	34	0	139	49	0	37	0	622	37	152	735	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	34	0	139	49	0	37	0	622	37	152	735	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	34	0	139	49	0	37	0	622	37	152	735	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol:	34	0	139	49	0	37	0	622	37	152	735	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	1.00	0.83	0.93	1.00	0.83	1.00	0.92	0.92	0.93	0.93	1.00
Lanes:	1.00	0.00	1.00	1.00	0.00	1.00	0.00	1.89	0.11	1.00	2.00	0.00
Final Sat.:	1769	0	1583	1769	0	1583	0	3312	197	1769	3538	0
Capacity Analysis Module:												
Vol/Sat:	0.02	0.00	0.09	0.03	0.00	0.02	0.00	0.19	0.19	0.09	0.21	0.00
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.21	0.00	0.21	0.07	0.00	0.07	0.00	0.45	0.45	0.20	0.65	0.00
Volume/Cap:	0.09	0.00	0.42	0.42	0.00	0.36	0.00	0.42	0.42	0.42	0.32	0.00
Delay/Veh:	38.4	0.0	42.1	56.3	0.0	55.7	0.0	22.8	22.8	42.4	9.3	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.4	0.0	42.1	56.3	0.0	55.7	0.0	22.8	22.8	42.4	9.3	0.0
DesignQueue:	2	0	7	3	0	2	0	24	1	8	18	0

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Level of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 AM

Intersection #10: Mission/Almar [N/S: Almar E/W: Mission]



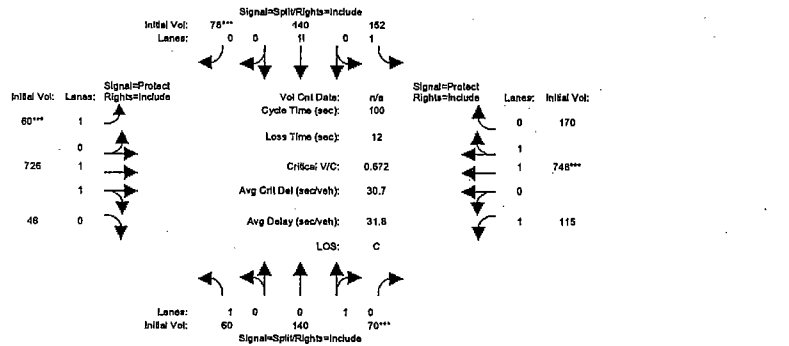
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	34	0	129	49	0	37	0	606	37	130	700	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	34	0	129	49	0	37	0	606	37	130	700	0
Added Vol:	0	0	26	0	0	0	0	43	0	47	77	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	34	0	155	49	0	37	0	649	37	177	777	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	34	0	155	49	0	37	0	649	37	177	777	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	34	0	155	49	0	37	0	649	37	177	777	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol:	34	0	155	49	0	37	0	649	37	177	777	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	1.00	0.83	0.93	1.00	0.83	1.00	0.92	0.92	0.93	0.93	1.00
Lanes:	1.00	0.00	1.00	1.00	0.00	1.00	0.00	1.89	0.11	1.00	2.00	0.00
Final Sat.:	1769	0	1583	1769	0	1583	0	3320	189	1769	3538	0
Capacity Analysis Module:												
Vol/Sat:	0.02	0.00	0.10	0.03	0.00	0.02	0.00	0.20	0.20	0.10	0.22	0.00
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.22	0.00	0.22	0.06	0.00	0.06	0.00	0.43	0.43	0.22	0.65	0.00
Volume/Cap:	0.09	0.00	0.46	0.46	0.00	0.38	0.00	0.46	0.46	0.46	0.34	0.00
Delay/Veh:	37.8	0.0	41.9	57.5	0.0	56.7	0.0	24.5	24.5	41.4	9.6	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.8	0.0	41.9	57.5	0.0	56.7	0.0	24.5	24.5	41.4	9.6	0.0
DesignQueue:	2	0	8	3	0	2	0	26	1	9	19	0

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Existing AM

Intersection #11: Mission/Bay [N/S: Bay E/W: Mission]



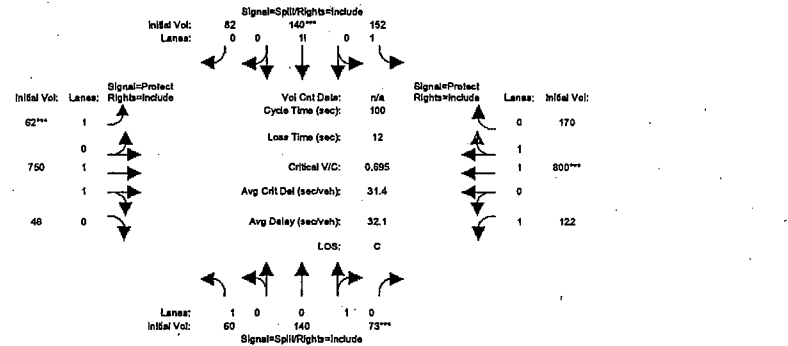
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	60	140	70	152	140	78	60	726	46	115	748	170
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	60	140	70	152	140	78	60	726	46	115	748	170
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	60	140	70	152	140	78	60	726	46	115	748	170
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	60	140	70	152	140	78	60	726	46	115	748	170
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	60	140	70	152	140	78	60	726	46	115	748	170
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	60	140	70	152	140	78	60	726	46	115	748	170
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.91	0.91	0.91	0.91	0.91	0.91	0.93	0.92	0.92	0.93	0.90	0.90
Lanes:	1.00	0.67	0.33	1.26	0.48	0.26	1.00	1.88	0.12	1.00	1.63	0.37
Final Sat.:	1736	1158	579	2182	826	460	1769	3297	209	1769	2802	637
Capacity Analysis Module:												
Vol/Sat:	0.03	0.12	0.12	0.07	0.17	0.17	0.03	0.22	0.22	0.07	0.27	0.27
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.18	0.18	0.18	0.25	0.25	0.25	0.05	0.35	0.35	0.10	0.40	0.40
Volume/Cap:	0.19	0.67	0.67	0.28	0.67	0.67	0.67	0.64	0.64	0.64	0.67	0.67
Delay/Veh:	35.1	43.9	43.9	30.2	38.9	36.9	64.9	28.6	28.6	50.5	26.1	26.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	35.1	43.9	43.9	30.2	36.9	36.9	64.9	28.6	28.6	50.5	26.1	26.1
DesignQueue:	3	7	3	6	6	3	3	28	2	6	27	6

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex + Ph 1 AM

Intersection #11: Mission/Bay [N/S: Bay E/W: Mission]



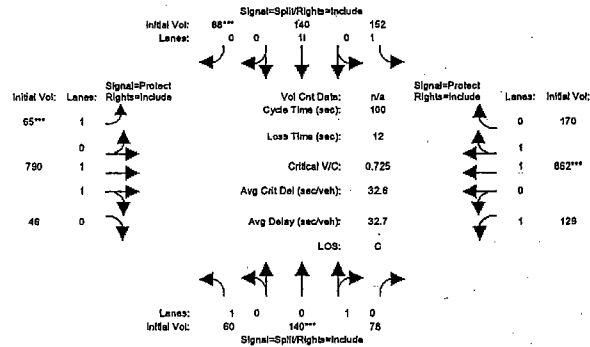
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	60	140	70	152	140	78	60	726	46	115	748	170
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	60	140	70	152	140	78	60	726	46	115	748	170
Added Vol:	0	0	3	0	0	4	2	24	0	7	52	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	60	140	73	152	140	82	62	750	46	122	800	170
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	60	140	73	152	140	82	62	750	46	122	800	170
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	60	140	73	152	140	82	62	750	46	122	800	170
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	60	140	73	152	140	82	62	750	46	122	800	170
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.91	0.91	0.91	0.91	0.91	0.91	0.93	0.92	0.92	0.93	0.91	0.91
Lanes:	1.00	0.66	0.34	1.25	0.47	0.28	1.00	1.88	0.12	1.00	1.65	0.35
Final Sat.:	1736	1140	594	2174	814	477	1769	3303	203	1769	2842	604
Capacity Analysis Module:												
Vol/Sat:	0.03	0.12	0.12	0.07	0.17	0.17	0.04	0.23	0.23	0.07	0.28	0.28
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.18	0.18	0.18	0.25	0.25	0.25	0.05	0.35	0.35	0.11	0.41	0.41
Volume/Cap:	0.20	0.69	0.69	0.28	0.69	0.69	0.69	0.65	0.65	0.65	0.69	0.69
Delay/Veh:	35.4	45.4	45.4	30.5	38.1	38.1	67.9	28.6	28.6	50.7	26.2	26.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	35.4	45.4	45.4	30.5	38.1	38.1	67.9	28.6	28.6	50.7	26.2	26.2
DesignQueue:	3	7	3	6	6	4	3	29	2	6	28	6

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex - Pk 1 - Pk 2 AM

Intersection #11: Mission/Bay [N/S: Bay E/W: Mission]



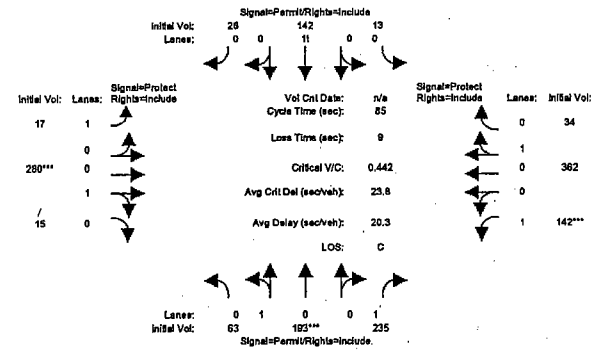
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	60	140	70	152	140	78	60	726	46	115	748	170
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	60	140	70	152	140	78	60	726	46	115	748	170
Added Vol:	0	0	8	0	0	10	5	64	0	14	114	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	60	140	78	152	140	88	65	790	46	129	862	170
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	60	140	78	152	140	88	65	790	46	129	862	170
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	60	140	78	152	140	88	65	790	46	129	862	170
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	60	140	78	152	140	88	65	790	46	129	862	170
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.91	0.91	0.91	0.91	0.91	0.91	0.93	0.92	0.92	0.93	0.91	0.91
Lanes:	1.00	0.64	0.36	1.25	0.46	0.29	1.00	1.89	0.11	1.00	1.67	0.33
Final Sat.:	1736	1110	619	2161	796	500	1769	3316	193	1769	2881	569
Capacity Analysis Module:												
Vol/Sat:	0.03	0.13	0.13	0.07	0.18	0.18	0.04	0.24	0.24	0.07	0.30	0.30
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.17	0.17	0.17	0.24	0.24	0.24	0.05	0.35	0.35	0.11	0.41	0.41
Volume/Cap:	0.20	0.72	0.72	0.29	0.72	0.72	0.72	0.67	0.67	0.67	0.72	0.72
Delay/Veh:	35.7	47.5	47.5	31.0	39.8	39.8	72.0	28.8	28.8	51.8	26.5	26.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	35.7	47.5	47.5	31.0	39.8	39.8	72.0	28.8	28.8	51.8	26.5	26.5
DesignQueue:	3	7	4	7	6	4	3	30	2	7	30	6

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Existing AM

Intersection #12: Laurel/California [N/S: California E/W: Laurel]



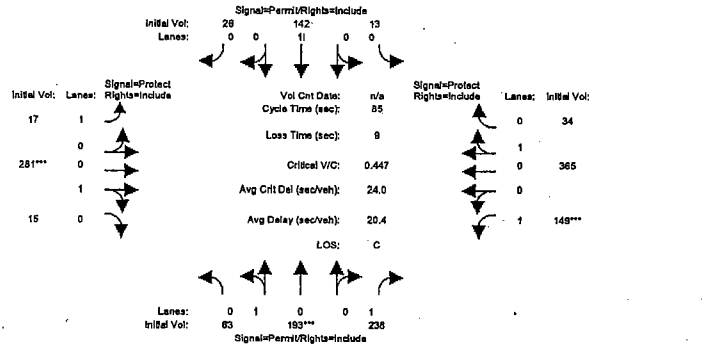
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	63	193	235	13	142	26	17	280	15	142	362	34
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	63	193	235	13	142	26	17	280	15	142	362	34
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	63	193	235	13	142	26	17	280	15	142	362	34
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	63	193	235	13	142	26	17	280	15	142	362	34
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	63	193	235	13	142	26	17	280	15	142	362	34
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	63	193	235	13	142	26	17	280	15	142	362	34
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.87	0.87	0.83	0.94	0.94	0.94	0.93	0.97	0.97	0.93	0.97	0.97
Lanes:	0.25	0.75	1.00	0.07	0.79	0.14	1.00	0.95	0.05	1.00	0.91	0.09
Final Sat.:	406	1245	1583	128	1397	256	1769	1753	94	1769	1680	158
Capacity Analysis Module:												
Vol/Sat:	0.16	0.16	0.15	0.10	0.10	0.10	0.01	0.16	0.16	0.08	0.22	0.22
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.35	0.35	0.35	0.35	0.35	0.35	0.02	0.36	0.36	0.18	0.52	0.52
Volume/Cap:	0.44	0.44	0.42	0.29	0.29	0.29	0.41	0.44	0.44	0.44	0.41	0.41
Delay/Veh:	21.7	21.7	21.6	20.2	20.2	20.2	47.6	21.1	21.1	31.9	12.8	12.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	21.7	21.7	21.6	20.2	20.2	20.2	47.6	21.1	21.1	31.9	12.8	12.8
DesignQueue:	2	6	7	0	4	1	1	9	0	6	9	1

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex + Ph 1 AM

Intersection #12: Laurel/California [N/S: California E/W: Laurel]



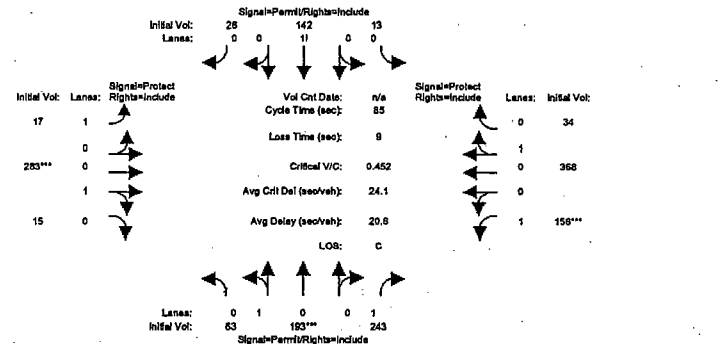
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	63	193	235	13	142	26	17	280	15	142	362	34
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	63	193	235	13	142	26	17	280	15	142	362	34
Added Vol:	0	0	3	0	0	0	0	1	0	7	3	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	63	193	238	13	142	26	17	281	15	149	365	34
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	63	193	238	13	142	26	17	281	15	149	365	34
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	63	193	238	13	142	26	17	281	15	149	365	34
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	63	193	238	13	142	26	17	281	15	149	365	34
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.87	0.87	0.83	0.94	0.94	0.94	0.93	0.97	0.97	0.93	0.97	0.97
Lanes:	0.25	0.75	1.00	0.07	0.79	0.14	1.00	0.95	0.05	1.00	0.91	0.09
Final Sat.:	407	1247	1583	128	1397	256	1769	1754	94	1769	1681	157
Capacity Analysis Module:												
Vol/Sat:	0.15	0.15	0.15	0.10	0.10	0.10	0.01	0.16	0.16	0.08	0.22	0.22
Crit Moves:	****											
Green/Cycle:	0.35	0.35	0.35	0.35	0.35	0.35	0.02	0.36	0.36	0.19	0.52	0.52
Volume/Cap:	0.45	0.45	0.43	0.29	0.29	0.29	0.41	0.45	0.45	0.45	0.41	0.41
Delay/Veh:	22.0	22.0	21.9	20.5	20.5	20.5	47.6	21.3	21.3	31.5	12.6	12.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	22.0	22.0	21.9	20.5	20.5	20.5	47.6	21.3	21.3	31.5	12.6	12.6
DesignQueue:	2	6	8	0	4	1	1	9	0	6	9	1

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 AM

Intersection #12: Laurel/California [N/S: California E/W: Laurel]



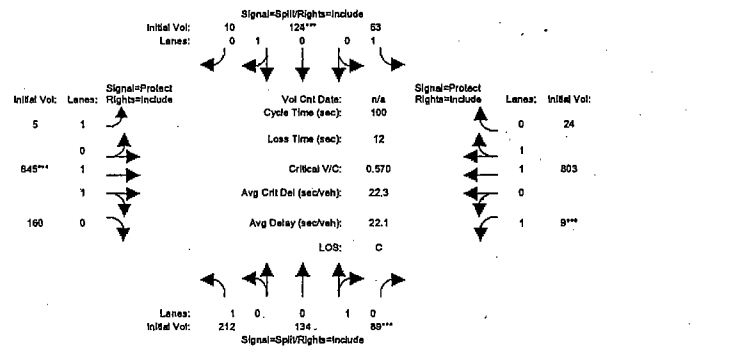
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	63	193	235	13	142	26	17	280	15	142	362	34
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	63	193	235	13	142	26	17	280	15	142	362	34
Added Vol:	0	0	8	0	0	0	0	3	0	14	6	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	63	193	243	13	142	26	17	283	15	156	368	34
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	63	193	243	13	142	26	17	283	15	156	368	34
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	63	193	243	13	142	26	17	283	15	156	368	34
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	63	193	243	13	142	26	17	283	15	156	368	34
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.87	0.87	0.83	0.94	0.94	0.94	0.93	0.97	0.97	0.93	0.97	0.97
Lanes:	0.25	0.75	1.00	0.07	0.79	0.14	1.00	0.95	0.05	1.00	0.92	0.08
Final Sat.:	407	1248	1583	128	1397	256	1769	1756	93	1769	1682	155
Capacity Analysis Module:												
Vol/Sat:	0.15	0.15	0.15	0.10	0.10	0.10	0.01	0.16	0.16	0.09	0.22	0.22
Crit Moves:	****											
Green/Cycle:	0.34	0.34	0.34	0.34	0.34	0.34	0.02	0.36	0.36	0.20	0.53	0.53
Volume/Cap:	0.45	0.45	0.45	0.30	0.30	0.30	0.41	0.45	0.45	0.45	0.41	0.41
Delay/Veh:	22.3	22.3	22.3	20.7	20.7	20.7	47.6	21.5	21.5	31.1	12.4	12.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	22.3	22.3	22.3	20.7	20.7	20.7	47.6	21.5	21.5	31.1	12.4	12.4
DesignQueue:	2	6	8	0	5	1	1	9	0	6	9	1



Marine Science Center  
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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Existing AM

Intersection #13: Mission/Laurel (N/S: Laurel E/W: Mission)

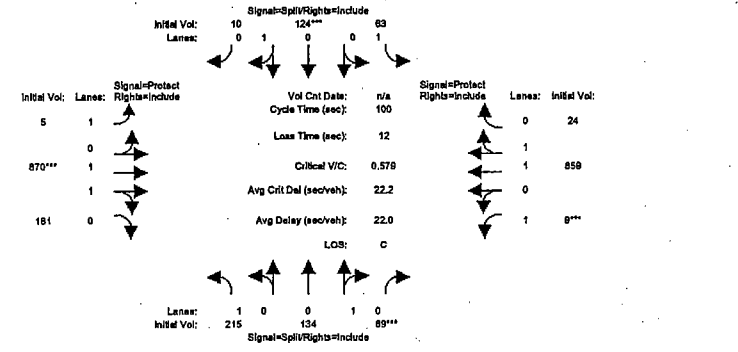


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	212	134	89	63	124	10	5	845	160	9	803	24
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	212	134	89	63	124	10	5	845	160	9	803	24
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	212	134	89	63	124	10	5	845	160	9	803	24
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	212	134	89	63	124	10	5	845	160	9	803	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	212	134	89	63	124	10	5	845	160	9	803	24
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	212	134	89	63	124	10	5	845	160	9	803	24
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.92	0.92	0.93	0.97	0.97	0.91	0.89	0.89	0.91	0.91	0.91
Lanes:	1.00	0.60	0.40	1.00	0.93	0.07	1.00	1.68	0.32	1.00	1.94	0.06
Final Sat.:	1769	1052	699	1769	1704	137	1736	2850	540	1736	3359	100
Capacity Analysis Module:												
Vol/Sat:	0.12	0.13	0.13	0.04	0.07	0.07	0.00	0.30	0.30	0.01	0.24	0.24
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.22	0.22	0.22	0.13	0.13	0.13	0.01	0.52	0.52	0.01	0.52	0.52
Volume/Cap:	0.54	0.57	0.57	0.28	0.57	0.57	0.46	0.57	0.57	0.57	0.46	0.46
Delay/Veh:	35.7	36.6	36.6	40.1	44.4	44.4	77.0	16.8	16.8	90.8	15.2	15.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	35.7	36.6	36.6	40.1	44.4	44.4	77.0	16.8	16.8	90.8	15.2	15.2
DesignQueue:	9	6	4	3	6	0	0	24	5	0	23	1

Marine Science Center  
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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex + Ph 1 AM

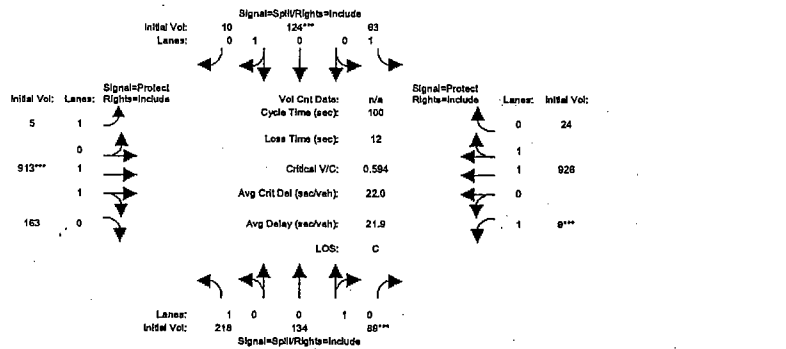
Intersection #13: Mission/Laurel (N/S: Laurel E/W: Mission)



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	212	134	89	63	124	10	5	845	160	9	803	24
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	212	134	89	63	124	10	5	845	160	9	803	24
Added Vol:	3	0	0	0	0	0	0	25	1	0	56	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	215	134	89	63	124	10	5	870	161	9	859	24
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	215	134	89	63	124	10	5	870	161	9	859	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	215	134	89	63	124	10	5	870	161	9	859	24
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	215	134	89	63	124	10	5	870	161	9	859	24
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.92	0.92	0.93	0.97	0.97	0.91	0.89	0.89	0.91	0.91	0.91
Lanes:	1.00	0.60	0.40	1.00	0.93	0.07	1.00	1.69	0.31	1.00	1.95	0.05
Final sat.:	1769	1052	699	1769	1704	137	1736	2863	530	1736	3365	94
Capacity Analysis Module:												
Vol/Sat:	0.12	0.13	0.13	0.04	0.07	0.07	0.00	0.30	0.30	0.01	0.26	0.26
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.22	0.22	0.22	0.13	0.13	0.13	0.01	0.53	0.53	0.01	0.53	0.53
Volume/Cap:	0.55	0.58	0.58	0.28	0.58	0.58	0.48	0.58	0.58	0.58	0.48	0.48
Delay/Veh:	36.3	37.0	37.0	40.3	44.8	44.8	81.1	16.7	16.7	93.9	15.2	15.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	36.3	37.0	37.0	40.3	44.8	44.8	81.1	16.7	16.7	93.9	15.2	15.2
DesignQueue:	10	6	4	3	6	0	0	25	5	0	24	1

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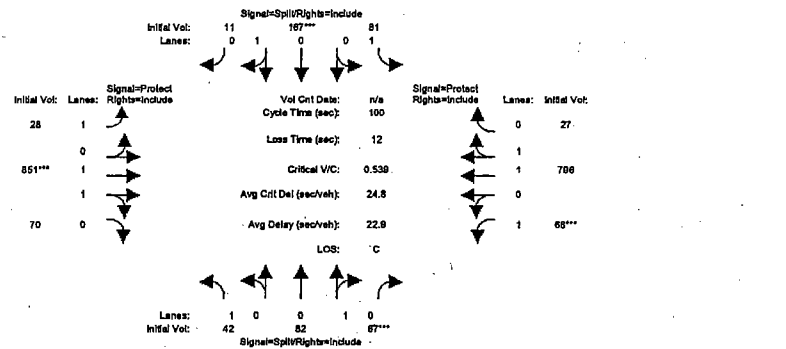
Intersection #13: Mission/Laurel [N/S: Laurel E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	212	134	89	63	124	10	5	845	160	9	803	24
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	212	134	89	63	124	10	5	845	160	9	803	24
Added Vol:	6	0	0	0	0	0	0	68	3	0	123	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	218	134	89	63	124	10	5	913	163	9	926	24
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	218	134	89	63	124	10	5	913	163	9	926	24
Reduc Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	218	134	89	63	124	10	5	913	163	9	926	24
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	218	134	89	63	124	10	5	913	163	9	926	24
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.92	0.92	0.93	0.97	0.97	0.91	0.89	0.89	0.91	0.91	0.91
Lanes:	1.00	0.60	0.40	1.00	0.93	0.07	1.00	1.70	0.30	1.00	1.95	0.05
Final Sat.:	1769	1052	699	1769	1704	137	1736	2879	514	1736	3372	87
Capacity Analysis Module:												
Vol/Sat:	0.12	0.13	0.13	0.04	0.07	0.07	0.00	0.32	0.32	0.01	0.27	0.27
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.21	0.21	0.21	0.12	0.12	0.12	0.01	0.53	0.53	0.01	0.54	0.54
Volume/Cap:	0.57	0.59	0.59	0.29	0.59	0.59	0.51	0.59	0.59	0.59	0.51	0.51
Delay/Veh:	37.3	37.9	37.9	40.7	45.7	45.7	88.5	16.4	16.4	99.7	15.0	15.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.3	37.9	37.9	40.7	45.7	45.7	88.5	16.4	16.4	99.7	15.0	15.0
DesignQueue:	10	6	4	3	6	0	0	26	5	0	25	1

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Intersection #14: Mission/Walnut [N/S: Walnut E/W: Mission]



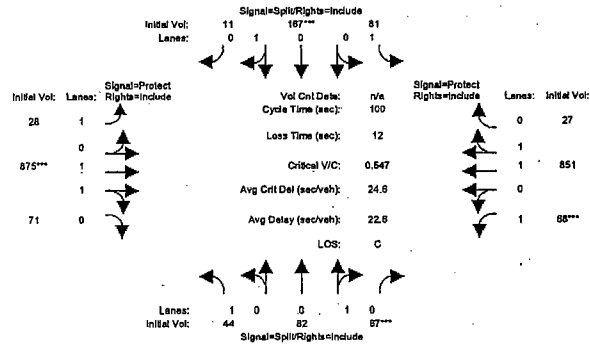
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	42	82	67	81	167	11	28	851	70	68	796	27
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	42	82	67	81	167	11	28	851	70	68	796	27
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	42	82	67	81	167	11	28	851	70	68	796	27
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	42	82	67	81	167	11	28	851	70	68	796	27
Reduc Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	42	82	67	81	167	11	28	851	70	68	796	27
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	42	82	67	81	167	11	28	851	70	68	796	27
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.93	0.93	0.95	0.99	0.99	0.95	0.94	0.94	0.95	0.95	0.95
Lanes:	1.00	0.55	0.45	1.00	0.94	0.06	1.00	1.85	0.15	1.00	1.93	0.07
Final Sat.:	1805	976	797	1805	1767	116	1805	3299	271	1805	3474	118
Capacity Analysis Module:												
Vol/Sat:	0.02	0.08	0.08	0.04	0.09	0.09	0.02	0.26	0.26	0.04	0.23	0.23
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.16	0.16	0.16	0.18	0.18	0.18	0.03	0.48	0.48	0.07	0.51	0.51
Volume/Cap:	0.15	0.54	0.54	0.26	0.54	0.54	0.45	0.54	0.54	0.54	0.45	0.45
Delay/Veh:	36.7	41.0	41.0	36.0	39.3	39.3	52.3	18.7	18.7	49.5	15.5	15.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	36.7	41.0	41.0	36.0	39.3	39.3	52.3	18.7	18.7	49.5	15.5	15.5
DesignQueue:	2	4	3	4	8	1	2	26	2	4	23	1

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Intersection #14: Mission/Walnut [N/S: Walnut E/W: Mission]



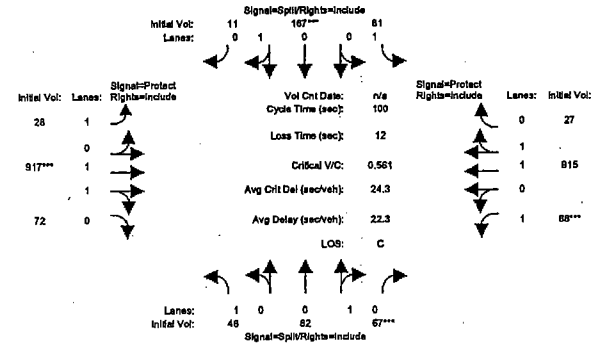
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	42	82	67	81	167	11	28	851	70	68	796	27
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	42	82	67	81	167	11	28	851	70	68	796	27
Added Vol:	2	0	0	0	0	0	0	24	1	0	55	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	44	82	67	81	167	11	28	875	71	68	851	27
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	44	82	67	81	167	11	28	875	71	68	851	27
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	44	82	67	81	167	11	28	875	71	68	851	27
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	44	82	67	81	167	11	28	875	71	68	851	27
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.93	0.93	0.95	0.99	0.99	0.95	0.94	0.94	0.95	0.95	0.95
Lanes:	1.00	0.55	0.45	1.00	0.94	0.06	1.00	1.85	0.15	1.00	1.94	0.06
Final Sat.:	1805	976	797	1805	1767	116	1805	3302	268	1805	3481	110
Capacity Analysis Module:												
Vol/Sat:	0.02	0.08	0.08	0.04	0.09	0.09	0.02	0.26	0.26	0.04	0.24	0.24
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.15	0.15	0.15	0.17	0.17	0.17	0.03	0.48	0.48	0.07	0.52	0.52
Volume/Cap:	0.16	0.55	0.55	0.26	0.55	0.55	0.47	0.55	0.55	0.55	0.47	0.47
Delay/Veh:	37.0	41.4	41.4	36.3	39.7	39.7	53.2	18.4	18.4	50.1	15.4	15.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.0	41.4	41.4	36.3	39.7	39.7	53.2	18.4	18.4	50.1	15.4	15.4
DesignQueue:	2	4	3	4	8	1	2	27	2	4	24	1

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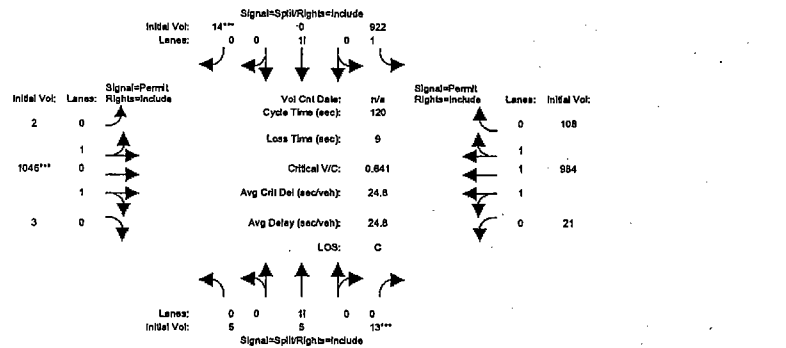
Intersection #14: Mission/Walnut [N/S: Walnut E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	42	82	67	81	167	11	28	851	70	68	796	27
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	42	82	67	81	167	11	28	851	70	68	796	27
Added Vol:	4	0	0	0	0	0	0	66	2	0	119	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	46	82	67	81	167	11	28	917	72	68	915	27
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	46	82	67	81	167	11	28	917	72	68	915	27
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	46	82	67	81	167	11	28	917	72	68	915	27
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	46	82	67	81	167	11	28	917	72	68	915	27
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.93	0.93	0.95	0.99	0.99	0.95	0.94	0.94	0.95	0.95	0.95
Lanes:	1.00	0.55	0.45	1.00	0.94	0.06	1.00	1.85	0.15	1.00	1.94	0.06
Final Sat.:	1805	976	797	1805	1767	116	1805	3310	260	1805	3493	103
Capacity Analysis Module:												
Vol/Sat:	0.03	0.08	0.08	0.04	0.09	0.09	0.02	0.28	0.28	0.04	0.26	0.26
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.15	0.15	0.15	0.17	0.17	0.17	0.03	0.49	0.49	0.07	0.53	0.53
Volume/Cap:	0.17	0.56	0.56	0.27	0.56	0.56	0.49	0.56	0.56	0.56	0.49	0.49
Delay/Veh:	37.4	42.1	42.1	36.7	40.4	40.4	54.3	18.1	18.1	51.0	15.2	15.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.4	42.1	42.1	36.7	40.4	40.4	54.3	18.1	18.1	51.0	15.2	15.2
DesignQueue:	2	4	3	4	8	1	2	28	2	4	26	1

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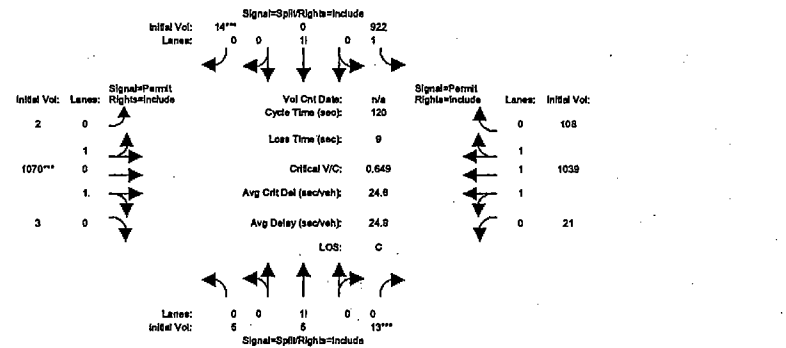
Intersection #15: Mission/Union [N/S: Union E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	5	5	13	922	0	14	2 1046	3	21 984	108		
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	5	5	13	922	0	14	2 1046	3	21 984	108		
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	5	5	13	922	0	14	2 1046	3	21 984	108		
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	5	5	13	922	0	14	2 1046	3	21 984	108		
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	5	13	922	0	14	2 1046	3	21 984	108		
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	5	5	13	922	0	14	2 1046	3	21 984	108		
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.90	0.90	0.90	0.93	1.00	0.93	0.89	0.89	0.89	0.79	0.79	0.79
Lanes:	0.22	0.22	0.56	1.97	0.00	0.03	0.00	1.99	0.01	0.06	2.65	0.29
Final Sat.:	370	370	962	3490	0	52	6 3363	10	85 3984	437		
Capacity Analysis Module:												
Vol/Sat:	0.01	0.01	0.01	0.26	0.00	0.27	0.31	0.31	0.31	0.25	0.25	0.25
Crit Moves:	****											
Green/Cycle:	0.02	0.02	0.02	0.42	0.00	0.42	0.49	0.49	0.49	0.49	0.49	0.49
Volume/Cap:	0.64	0.64	0.64	0.63	0.00	0.64	0.64	0.64	0.64	0.51	0.51	0.51
Delay/Veh:	91.4	91.4	91.4	28.5	0.0	28.7	23.9	23.9	23.9	21.3	21.3	21.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	91.4	91.4	91.4	28.5	0.0	28.7	23.9	23.9	23.9	21.3	21.3	21.3
DesignQueue:	0	0	1	38	0	1	0	39	0	1	36	4

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Intersection #15: Mission/Union [N/S: Union E/W: Mission]



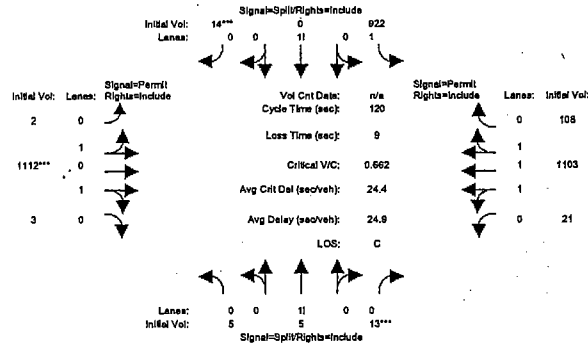
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	5	5	13	922	0	14	2 1046	3	21 984	108		
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	5	5	13	922	0	14	2 1046	3	21 984	108		
Added Vol:	0	0	0	0	0	0	0	0	24	0	0	55
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	5	5	13	922	0	14	2 1070	3	21 1039	108		
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	5	5	13	922	0	14	2 1070	3	21 1039	108		
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	5	13	922	0	14	2 1070	3	21 1039	108		
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	5	5	13	922	0	14	2 1070	3	21 1039	108		
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.90	0.90	0.90	0.93	1.00	0.93	0.89	0.89	0.89	0.79	0.79	0.79
Lanes:	0.22	0.22	0.56	1.97	0.00	0.03	0.00	1.99	0.01	0.05	2.67	0.28
Final Sat.:	370	370	962	3490	0	52	6 3363	9	81 4017	418		
Capacity Analysis Module:												
Vol/Sat:	0.01	0.01	0.01	0.26	0.00	0.27	0.32	0.32	0.32	0.26	0.26	0.26
Crit Moves:	****											
Green/Cycle:	0.02	0.02	0.02	0.41	0.00	0.41	0.49	0.49	0.49	0.49	0.49	0.49
Volume/Cap:	0.65	0.65	0.65	0.64	0.00	0.65	0.65	0.65	0.65	0.53	0.53	0.53
Delay/Veh:	93.4	93.4	93.4	29.0	0.0	29.2	23.7	23.7	23.7	21.2	21.2	21.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	93.4	93.4	93.4	29.0	0.0	29.2	23.7	23.7	23.7	21.2	21.2	21.2
DesignQueue:	0	0	1	39	0	1	0	39	0	1	37	4

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex - Ph. 1 - Ph. 2 AM

Intersection #15: Mission/Union [N/S: Union E/W: Mission]



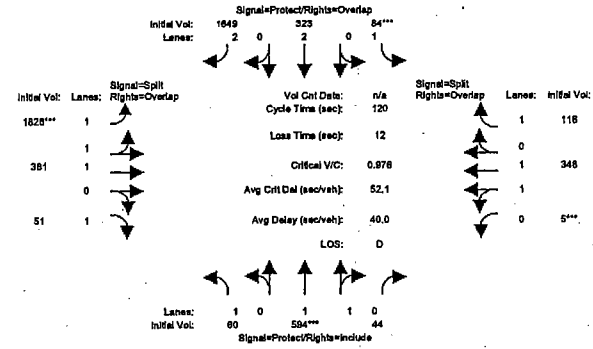
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	5	5	13	922	0	14	2	1046	3	21	984	108
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	5	5	13	922	0	14	2	1046	3	21	984	108
Added Vol:	0	0	0	0	0	0	0	66	0	0	119	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	5	5	13	922	0	14	2	1112	3	21	1103	108
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	5	5	13	922	0	14	2	1112	3	21	1103	108
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	5	13	922	0	14	2	1112	3	21	1103	108
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	5	5	13	922	0	14	2	1112	3	21	1103	108
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.90	0.90	0.90	0.93	1.00	0.93	0.89	0.89	0.89	0.79	0.79	0.79
Lanes:	0.22	0.22	0.56	1.97	0.00	0.03	0.00	1.99	0.01	0.05	2.69	0.26
Final Sat.:	370	370	962	3490	0	52	6	3363	9	77	4029	395
Capacity Analysis Module:												
Vol/Sat:	0.01	0.01	0.01	0.26	0.00	0.27	0.33	0.33	0.33	0.27	0.27	0.27
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.02	0.02	0.02	0.41	0.00	0.41	0.50	0.50	0.50	0.50	0.50	0.50
Volume/Cap:	0.66	0.66	0.66	0.65	0.00	0.66	0.66	0.66	0.66	0.55	0.55	0.55
Delay/Veh:	97.1	97.1	97.1	29.9	0.0	30.2	23.5	23.5	23.5	21.0	21.0	21.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	97.1	97.1	97.1	29.9	0.0	30.2	23.5	23.5	23.5	21.0	21.0	21.0
DesignQueue:	0	0	1	39	0	1	0	40	0	1	39	4

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Estating AM

Intersection #16: Mission/Chestnut [N/S: Chestnut E/W: Mission]



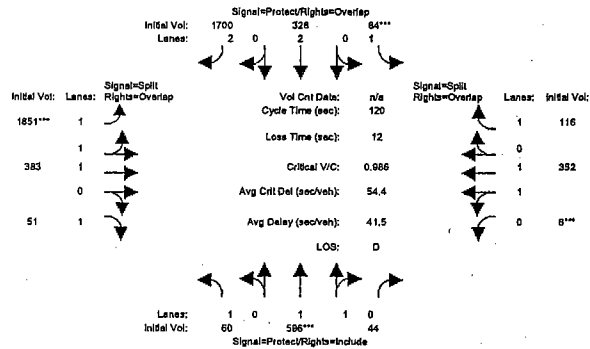
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	60	594	44	84	323	1649	1828	381	51	5	348	116
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	60	594	44	84	323	1649	1828	381	51	5	348	116
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	60	594	44	84	323	1649	1828	381	51	5	348	116
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	60	594	44	84	323	1649	1828	381	51	5	348	116
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	60	594	44	84	323	1649	1828	381	51	5	348	116
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	60	594	44	84	323	1649	1828	381	51	5	348	116
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.92	0.92	0.91	0.91	0.72	0.88	0.88	0.82	0.93	0.93	0.83
Lanes:	1.00	1.86	0.14	1.00	2.00	2.00	2.00	1.00	1.00	0.03	1.97	1.00
Final Sat.:	1769	3261	242	1736	3473	2734	3334	1667	1554	50	3484	1583
Capacity Analysis Module:												
Vol/Sat:	0.03	0.18	0.18	0.05	0.09	0.60	0.55	0.23	0.03	0.10	0.10	0.07
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.06	0.19	0.19	0.05	0.17	0.73	0.56	0.56	0.62	0.10	0.10	0.15
Volume/Cap:	0.54	0.98	0.98	0.98	0.54	0.82	0.98	0.41	0.05	0.98	0.98	0.48
Delay/Veh:	59.6	77.8	77.8	145.8	46.2	13.5	39.3	15.0	8.8	94.6	94.6	48.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	59.6	77.8	77.8	145.8	46.2	13.5	39.3	15.0	8.8	94.6	94.6	48.1
DesignQueue:	4	34	2	5	18	33	61	12	1	0	21	7

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex + Ph 1 AM

Intersection #16: Mission/Chestnut [N/S: Chestnut E/W: Mission]



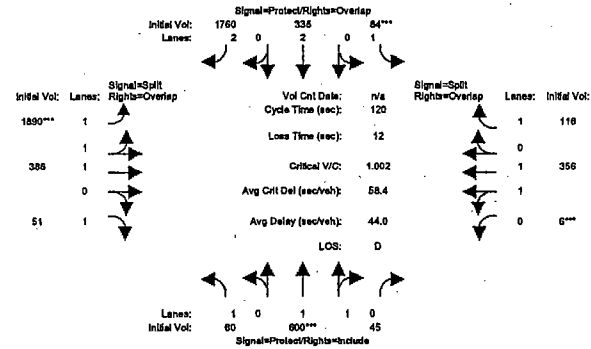
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	60	594	44	84	323	1649	1828	381	51	5	348	116
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	60	594	44	84	323	1649	1828	381	51	5	348	116
Added Vol:	0	2	0	0	5	51	23	2	0	1	4	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	60	596	44	84	328	1700	1851	383	51	6	352	116
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	60	596	44	84	328	1700	1851	383	51	6	352	116
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	60	596	44	84	328	1700	1851	383	51	6	352	116
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	60	596	44	84	328	1700	1851	383	51	6	352	116
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.92	0.92	0.91	0.91	0.72	0.88	0.88	0.82	0.93	0.93	0.83
Lanes:	1.00	1.86	0.14	1.00	2.00	2.00	2.00	1.00	1.00	0.03	1.97	1.00
Final Sat.:	1769	3262	241	1736	3473	2734	3334	1667	1554	59	3475	1583
Capacity Analysis Module:												
Vol/Sat:	0.03	0.18	0.18	0.05	0.09	0.62	0.56	0.23	0.03	0.10	0.10	0.07
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.06	0.19	0.19	0.05	0.17	0.74	0.56	0.56	0.62	0.10	0.10	0.15
Volume/Cap:	0.55	0.99	0.99	0.99	0.55	0.85	0.99	0.41	0.05	0.99	0.99	0.48
Delay/Veh:	60.4	80.5	80.5	149.7	46.5	14.6	41.5	14.9	8.8	97.1	97.1	48.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	60.4	80.5	80.5	149.7	46.5	14.6	41.5	14.9	8.8	97.1	97.1	48.1
DesignQueue:	4	34	2	5	19	34	62	12	1	0	22	7

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 AM

Intersection #16: Mission/Chestnut [N/S: Chestnut E/W: Mission]



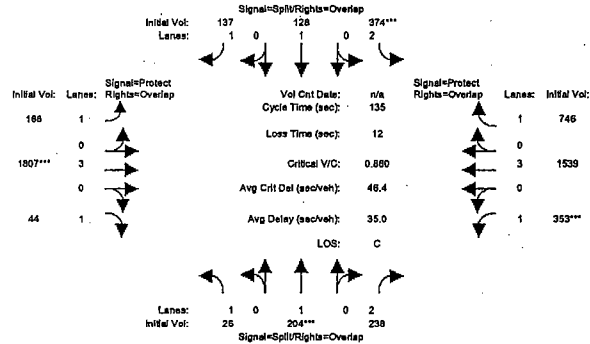
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	60	594	44	84	323	1649	1828	381	51	5	348	116
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	60	594	44	84	323	1649	1828	381	51	5	348	116
Added Vol:	0	6	1	0	12	111	62	5	0	1	8	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	60	600	45	84	335	1760	1890	386	51	6	356	116
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	60	600	45	84	335	1760	1890	386	51	6	356	116
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	60	600	45	84	335	1760	1890	386	51	6	356	116
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	60	600	45	84	335	1760	1890	386	51	6	356	116
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.92	0.92	0.91	0.91	0.72	0.88	0.88	0.82	0.93	0.93	0.83
Lanes:	1.00	1.86	0.14	1.00	2.00	2.00	2.00	1.00	1.00	0.03	1.97	1.00
Final Sat.:	1769	3258	244	1736	3473	2734	3334	1667	1554	59	3476	1583
Capacity Analysis Module:												
Vol/Sat:	0.03	0.18	0.18	0.05	0.10	0.64	0.57	0.23	0.03	0.10	0.10	0.07
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.06	0.18	0.18	0.05	0.17	0.74	0.57	0.57	0.63	0.10	0.10	0.15
Volume/Cap:	0.56	1.00	1.00	1.00	0.56	0.87	1.00	0.41	0.05	1.00	1.00	0.49
Delay/Veh:	61.5	85.0	85.0	156.0	46.8	16.1	45.4	14.8	8.7	101.7	102	48.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	61.5	85.0	85.0	156.0	46.8	16.1	45.4	14.8	8.7	101.7	102	48.3
DesignQueue:	4	34	3	5	19	35	63	12	1	0	22	7

Marine Science Center

November 2003

Level Of Service Computation Report  
2009 HCM Operations (Future Volume Alternative)  
Existing AM

Intersection #17: Mission/River [N/S: River E/W: Mission]



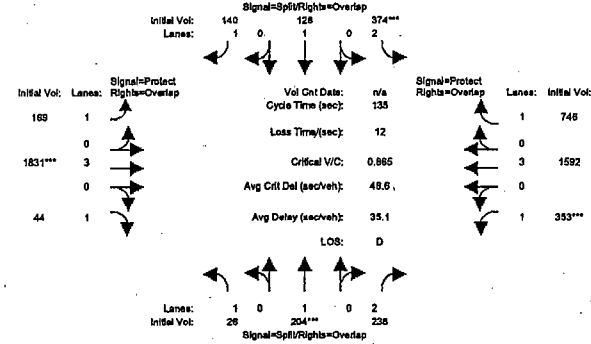
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	26	204	238	374	128	137	168	1807	44	353	1539	746
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	26	204	238	374	128	137	168	1807	44	353	1539	746
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	26	204	238	374	128	137	168	1807	44	353	1539	746
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	26	204	238	374	128	137	168	1807	44	353	1539	746
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	26	204	238	374	128	137	168	1807	44	353	1539	746
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	26	204	238	374	128	137	168	1807	44	353	1539	746
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.98	0.73	0.90	0.98	0.83	0.93	0.89	0.83	0.93	0.89	0.83
Lanes:	1.00	1.00	2.00	2.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1769	1862	2786	3432	1862	1583	1769	5083	1583	1769	5083	1583
Capacity Analysis Module:												
Vol/Sat:	0.01	0.11	0.09	0.11	0.07	0.09	0.09	0.36	0.03	0.20	0.30	0.47
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.13	0.13	0.36	0.13	0.13	0.24	0.11	0.41	0.54	0.23	0.54	0.66
Volume/Cap:	0.12	0.86	0.24	0.86	0.54	0.37	0.88	0.86	0.05	0.86	0.56	0.71
Delay/Veh:	46.6	76.9	27.0	67.1	51.7	39.1	86.2	35.8	13.0	60.7	18.7	15.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	46.6	76.9	27.0	67.1	51.7	39.1	86.2	35.8	13.0	60.7	18.7	15.1
DesignQueue:	2	12	10	22	8	7	10	77	1	19	51	19

Marine Science Center

November 2003

Level Of Service Computation Report  
2009 HCM Operations (Future Volume Alternative)  
Ex. 4 Ph. 1 AM

Intersection #17: Mission/River [N/S: River E/W: Mission]



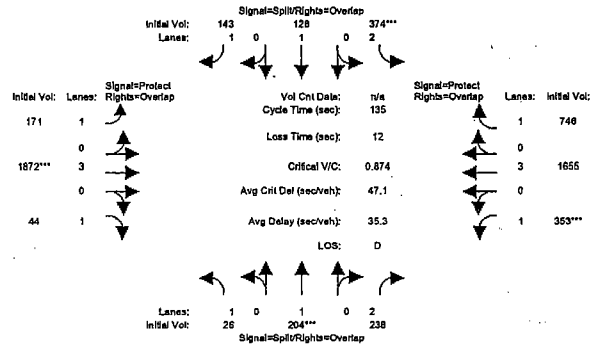
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	26	204	238	374	128	137	168	1807	44	353	1539	746
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	26	204	238	374	128	137	168	1807	44	353	1539	746
Added Vol:	0	0	0	0	0	3	1	24	0	0	53	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	26	204	238	374	128	140	169	1831	44	353	1592	746
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	26	204	238	374	128	140	169	1831	44	353	1592	746
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	26	204	238	374	128	140	169	1831	44	353	1592	746
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	26	204	238	374	128	140	169	1831	44	353	1592	746
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.98	0.73	0.90	0.98	0.83	0.93	0.89	0.83	0.93	0.89	0.83
Lanes:	1.00	1.00	2.00	2.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1769	1862	2786	3432	1862	1583	1769	5083	1583	1769	5083	1583
Capacity Analysis Module:												
Vol/Sat:	0.01	0.11	0.09	0.11	0.07	0.09	0.10	0.36	0.03	0.20	0.31	0.47
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.13	0.13	0.36	0.13	0.13	0.24	0.11	0.42	0.54	0.23	0.54	0.66
Volume/Cap:	0.12	0.86	0.24	0.86	0.55	0.38	0.88	0.86	0.05	0.86	0.58	0.71
Delay/Veh:	46.7	78.0	27.2	67.9	51.9	39.1	85.8	35.9	12.9	61.6	19.0	15.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	46.7	78.0	27.2	67.9	51.9	39.1	85.8	35.9	12.9	61.6	19.0	15.1
DesignQueue:	2	12	10	22	8	7	10	78	1	19	53	19

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex - Ph 1 - Ph 2 AM

Intersection #17: Mission/River [N/S: River E/W: Mission]



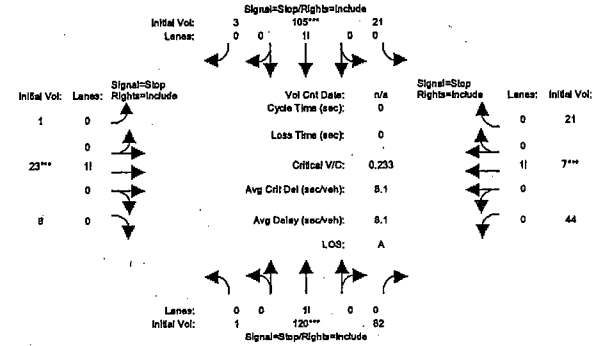
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	26	204	238	374	128	137	168	1807	44	353	1539	746
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	26	204	238	374	128	137	168	1807	44	353	1539	746
Added Vol:	0	0	0	0	0	6	3	65	0	0	116	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	26	204	238	374	128	143	171	1872	44	353	1655	746
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	26	204	238	374	128	143	171	1872	44	353	1655	746
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	26	204	238	374	128	143	171	1872	44	353	1655	746
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	26	204	238	374	128	143	171	1872	44	353	1655	746
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.98	0.73	0.90	0.98	0.83	0.93	0.89	0.83	0.93	0.89	0.83
Lanes:	1.00	1.00	2.00	2.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1769	1862	2786	3432	1862	1583	1769	5083	1583	1769	5083	1583
Capacity Analysis Module:												
Vol/Sat:	0.01	0.11	0.09	0.11	0.07	0.09	0.10	0.37	0.03	0.20	0.33	0.47
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.13	0.13	0.35	0.12	0.12	0.24	0.11	0.42	0.55	0.23	0.54	0.66
Volume/Cap:	0.12	0.87	0.24	0.87	0.55	0.38	0.87	0.87	0.05	0.87	0.60	0.71
Delay/Veh:	46.8	79.9	27.5	69.3	52.2	39.2	85.0	36.1	12.7	63.2	19.3	15.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	46.8	79.9	27.5	69.3	52.2	39.2	85.0	36.1	12.7	63.2	19.3	15.1
DesignQueue:	2	12	10	22	8	7	10	79	1	19	55	19

Marine Science Center

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Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Existing AM

Intersection #18: Western/Meder [N/S: Western E/W: Meder]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	1	120	82	21	105	3	1	23	6	44	7	21
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1	120	82	21	105	3	1	23	6	44	7	21
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	1	120	82	21	105	3	1	23	6	44	7	21
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1	120	82	21	105	3	1	23	6	44	7	21
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	120	82	21	105	3	1	23	6	44	7	21
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	1	120	82	21	105	3	1	23	6	44	7	21
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.01	0.59	0.40	0.16	0.82	0.02	0.03	0.77	0.20	0.61	0.10	0.29
Final Sat.:	4	516	353	131	657	19	25	565	147	453	72	216
Capacity Analysis Module:												
Vol/Sat:	0.23	0.23	0.23	0.16	0.16	0.16	0.04	0.04	0.04	0.10	0.10	0.10
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	8.2	8.2	8.2	8.1	8.1	8.1	7.7	7.7	7.7	8.0	8.0	8.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	8.2	8.2	8.2	8.1	8.1	8.1	7.7	7.7	7.7	8.0	8.0	8.0
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	8.2			8.1			7.7			8.0		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	8.2			8.1			7.7			8.0		
LOS by Appr:	A			A			A			A		

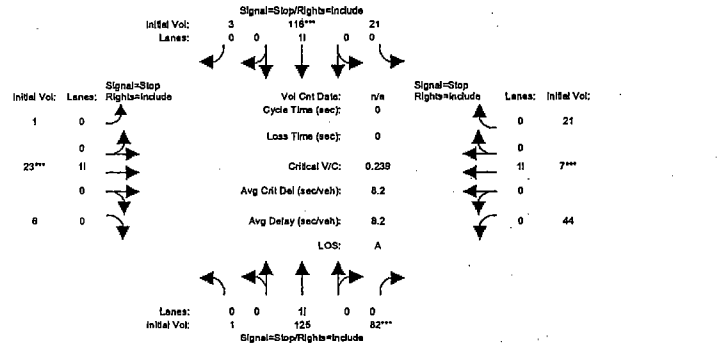


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Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Ex + Ph 1 AM

Intersection #18: Western/Meder [N/S: Western E/W: Meder]



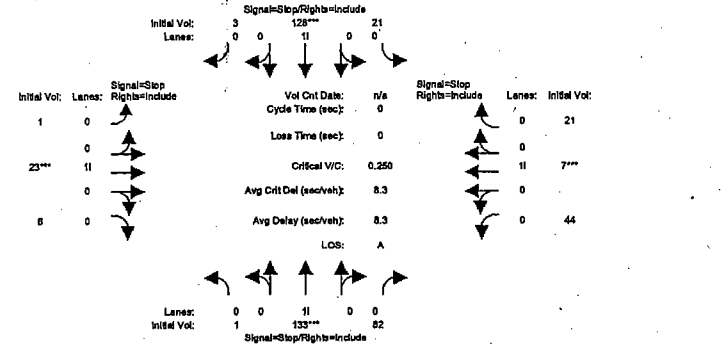
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	1	120	82	21	105	3	1	23	6	44	7	21
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1	120	82	21	105	3	1	23	6	44	7	21
Added Vol:	0	5	0	0	11	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	1	125	82	21	116	3	1	23	6	44	7	21
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1	125	82	21	116	3	1	23	6	44	7	21
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	125	82	21	116	3	1	23	6	44	7	21
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	1	125	82	21	116	3	1	23	6	44	7	21
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.01	0.61	0.39	0.15	0.83	0.02	0.03	0.77	0.20	0.61	0.10	0.29
Final Sat.:	4	522	343	121	668	17	24	560	146	449	71	214
Capacity Analysis Module:												
Vol/Sat:	0.24	0.24	0.24	0.17	0.17	0.17	0.04	0.04	0.04	0.10	0.10	0.10
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	8.3	8.3	8.3	8.2	8.2	8.2	7.8	7.8	7.8	8.1	8.1	8.1
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	8.3	8.3	8.3	8.2	8.2	8.2	7.8	7.8	7.8	8.1	8.1	8.1
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	8.3			8.2			7.8			8.1		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	8.3			8.2			7.8			8.1		
LOS by Appr:	A			A			A			A		

Marine Science Center

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Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 AM

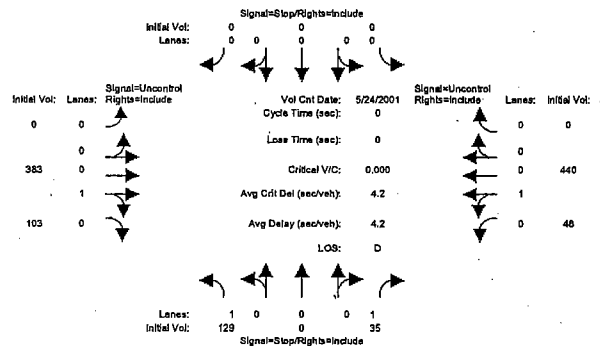
Intersection #18: Western/Meder [N/S: Western E/W: Meder]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	1	120	82	21	105	3	1	23	6	44	7	21
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1	120	82	21	105	3	1	23	6	44	7	21
Added Vol:	0	13	0	0	23	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	1	133	82	21	128	3	1	23	6	44	7	21
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1	133	82	21	128	3	1	23	6	44	7	21
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	133	82	21	128	3	1	23	6	44	7	21
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	1	133	82	21	128	3	1	23	6	44	7	21
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.01	0.61	0.38	0.14	0.84	0.02	0.03	0.77	0.20	0.61	0.10	0.29
Final Sat.:	4	532	328	111	678	16	24	552	144	443	70	211
Capacity Analysis Module:												
Vol/Sat:	0.25	0.25	0.25	0.19	0.19	0.19	0.04	0.04	0.04	0.10	0.10	0.10
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	8.4	8.4	8.4	8.3	8.3	8.3	7.8	7.8	7.8	8.1	8.1	8.1
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	8.4	8.4	8.4	8.3	8.3	8.3	7.8	7.8	7.8	8.1	8.1	8.1
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	8.4			8.3			7.8			8.1		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	8.4			8.3			7.8			8.1		
LOS by Appr:	A			A			A			A		

Marine Science Center  
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Level Of Service Computation Report  
2000 HCM Unsignalized Future Volume Alternative  
Existing AM

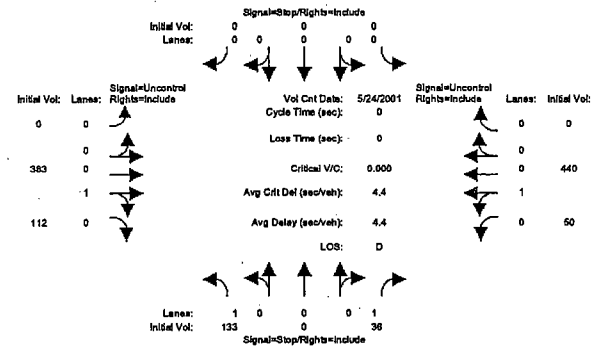
Intersection #19: High/Western [N/S: Western E/w: High]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: >> Count Date: 24 May 2001 <<												
Base Vol:	89	0	18	0	0	0	0	334	78	43	334	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	89	0	18	0	0	0	0	334	78	43	334	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	40	0	17	0	0	0	0	49	25	5	106	0
Initial Fut:	129	0	35	0	0	0	0	383	103	48	440	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	129	0	35	0	0	0	0	383	103	48	440	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	129	0	35	0	0	0	0	383	103	48	440	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	971	XXXX	435	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	486	XXXX	XXXX
Potent Cap.:	283	XXXX	626	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1087	XXXX	XXXX
Move Cap.:	273	XXXX	626	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1087	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	29.4	XXXX	11.1	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.5	XXXX	XXXX
LOS by Move:	D	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.5	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	25.5											
ApproachLOS:	D											

Marine Science Center  
November 2003  
Level Of Service Computation Report  
2000 HCM Unsignalized Future Volume Alternative  
Ex - Ph 1 AM

Intersection #19: High/Western [N/S: Western E/w: High]



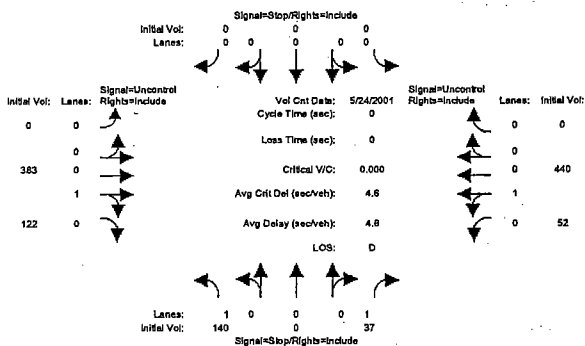
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: >> Count Date: 24 May 2001 <<												
Base Vol:	89	0	18	0	0	0	0	334	78	43	334	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	89	0	18	0	0	0	0	334	78	43	334	0
Added Vol:	4	0	1	0	0	0	0	0	0	9	2	0
Campus Incr:	40	0	17	0	0	0	0	49	25	5	106	0
Initial Fut:	133	0	36	0	0	0	0	383	112	50	440	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	133	0	36	0	0	0	0	383	112	50	440	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	133	0	36	0	0	0	0	383	112	50	440	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	979	XXXX	439	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	495	XXXX	XXXX
Potent Cap.:	280	XXXX	622	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1079	XXXX	XXXX
Move Cap.:	270	XXXX	622	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1079	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	30.7	XXXX	11.1	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.5	XXXX	XXXX
LOS by Move:	D	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.5	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	26.5											
ApproachLOS:	D											

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex = Ph 1 + Ph 2 AM

Intersection #19: High/Western [N/S: Western E/W: High]



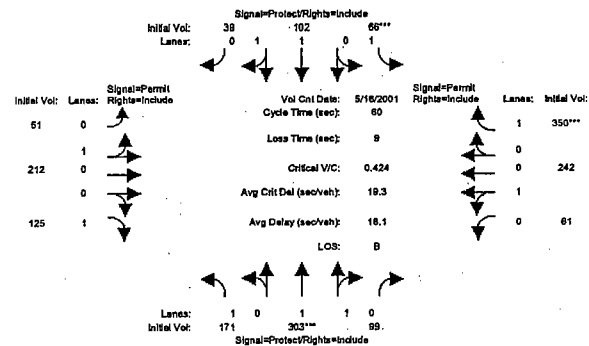
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: >> Count Date: 24 May 2001 <<												
Base Vol:	89	0	18	0	0	0	0	334	78	43	334	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	89	0	18	0	0	0	0	334	78	43	334	0
Added Vol:	11	0	2	0	0	0	0	0	19	4	0	0
Campus Incr:	40	0	17	0	0	0	0	49	25	5	106	0
Initial Fut:	140	0	37	0	0	0	0	383	122	52	440	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	140	0	37	0	0	0	0	383	122	52	440	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	140	0	37	0	0	0	0	383	122	52	440	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	988	XXXX	444	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	505	XXXX	XXXX
Potent Cap.:	276	XXXX	618	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1070	XXXX	XXXX
Move Cap.:	266	XXXX	618	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1070	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	32.7	XXXX	11.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.5	XXXX	XXXX
LOS by Move:	D	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.5	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	28.2	*	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
ApproachLOS:	D	*	*	*	*	*	*	*	*	*	*	*

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Existing AM

Intersection #20: High/Bay [N/S: Bay E/W: High]



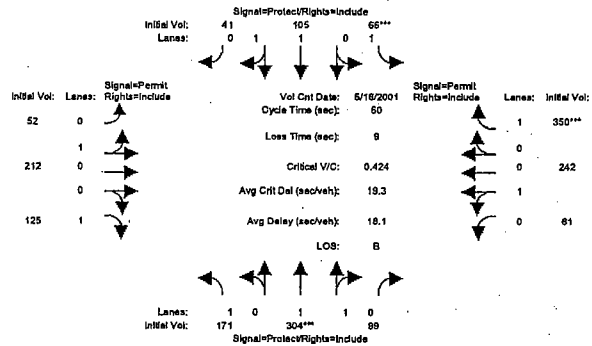
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module: >> Count Date: 16 May 2001 <<												
Base Vol:	171	303	99	66	102	39	51	212	125	61	242	350
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	171	303	99	66	102	39	51	212	125	61	242	350
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	171	303	99	66	102	39	51	212	125	61	242	350
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	171	303	99	66	102	39	51	212	125	61	242	350
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	171	303	99	66	102	39	51	212	125	61	242	350
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	171	303	99	66	102	39	51	212	125	61	242	350
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.90	0.90	0.93	0.89	0.89	0.88	0.88	0.83	0.88	0.88	0.83
Lanes:	1.00	1.51	0.49	1.00	1.45	0.55	0.19	0.81	1.00	0.20	0.80	1.00
Final Sat.:	1769	2568	839	1769	2452	937	324	1346	1583	335	1330	1583
Capacity Analysis Module:												
Vol/Sat:	0.10	0.12	0.12	0.04	0.04	0.04	0.16	0.16	0.08	0.18	0.18	0.22
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.26	0.28	0.28	0.09	0.11	0.11	0.52	0.52	0.52	0.52	0.52	0.52
Volume/Cap:	0.38	0.42	0.42	0.42	0.38	0.38	0.30	0.30	0.15	0.35	0.35	0.42
Delay/Veh:	25.0	23.9	23.9	36.4	33.7	33.7	11.1	11.1	10.0	11.4	11.4	12.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	25.0	23.9	23.9	36.4	33.7	33.7	11.1	11.1	10.0	11.4	11.4	12.1
DesignQueue:	6	10	3	3	4	2	1	5	3	1	5	8

Marine Science Center

November 2003

Level of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex + Ph 1 AM

Intersection #20: High/Bay [N/S: Bay E/W: High]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module: >> Count Date: 16 May 2001 <<												
Base Vol:	171	303	99	66	102	39	51	212	125	61	242	350
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	171	303	99	66	102	39	51	212	125	61	242	350
Added Vol:	0	1	0	0	3	2	1	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	171	304	99	66	105	41	52	212	125	61	242	350
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	171	304	99	66	105	41	52	212	125	61	242	350
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	171	304	99	66	105	41	52	212	125	61	242	350
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	171	304	99	66	105	41	52	212	125	61	242	350

Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.90	0.90	0.93	0.89	0.89	0.87	0.87	0.83	0.88	0.88	0.83
Lanes:	1.00	1.51	0.49	1.00	1.44	0.56	0.20	0.80	1.00	0.20	0.80	1.00
Final Sat.:	1769	2570	837	1769	2437	952	327	1334	1583	335	1330	1583

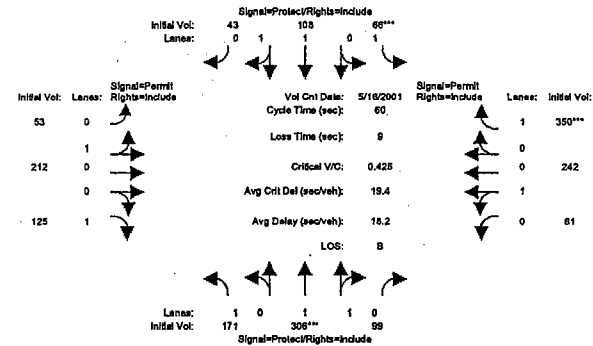
Capacity Analysis Module:												
Vol/Sat:	0.10	0.12	0.12	0.04	0.04	0.04	0.16	0.16	0.08	0.18	0.18	0.22
Crit Moves:	****											
Green/Cycle:	0.25	0.28	0.28	0.09	0.11	0.11	0.52	0.52	0.52	0.52	0.52	0.52
Volume/Cap:	0.38	0.42	0.42	0.42	0.38	0.38	0.31	0.31	0.15	0.35	0.35	0.42
Delay/Veh:	25.2	23.9	23.9	36.4	33.5	33.5	11.1	11.1	10.1	11.5	11.5	12.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	25.2	23.9	23.9	36.4	33.5	33.5	11.1	11.1	10.1	11.5	11.5	12.1
DesignQueue:	6	10	3	3	4	2	1	5	3	1	5	8

Marine Science Center

November 2003

Level of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 AM

Intersection #20: High/Bay [N/S: Bay E/W: High]



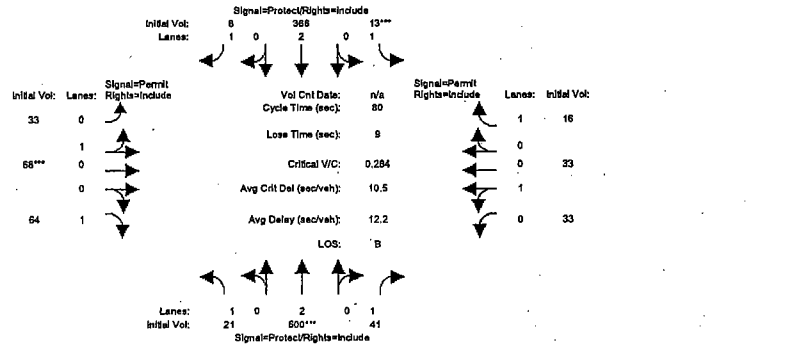
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module: >> Count Date: 16 May 2001 <<												
Base Vol:	171	303	99	66	102	39	51	212	125	61	242	350
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	171	303	99	66	102	39	51	212	125	61	242	350
Added Vol:	0	3	0	0	6	4	2	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	171	306	99	66	108	43	53	212	125	61	242	350
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	171	306	99	66	108	43	53	212	125	61	242	350
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	171	306	99	66	108	43	53	212	125	61	242	350
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	171	306	99	66	108	43	53	212	125	61	242	350

Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.90	0.90	0.93	0.89	0.89	0.87	0.87	0.83	0.88	0.88	0.83
Lanes:	1.00	1.51	0.49	1.00	1.43	0.57	0.20	0.80	1.00	0.20	0.80	1.00
Final Sat.:	1769	2574	833	1769	2422	964	332	1327	1583	335	1330	1583

Capacity Analysis Module:												
Vol/Sat:	0.10	0.12	0.12	0.04	0.04	0.04	0.16	0.16	0.08	0.18	0.18	0.22
Crit Moves:	****											
Green/Cycle:	0.25	0.28	0.28	0.09	0.12	0.12	0.52	0.52	0.52	0.52	0.52	0.52
Volume/Cap:	0.38	0.43	0.43	0.43	0.38	0.38	0.31	0.31	0.15	0.35	0.35	0.43
Delay/Veh:	25.4	23.9	23.9	36.5	33.3	33.3	11.2	11.2	10.1	11.5	11.5	12.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	25.4	23.9	23.9	36.5	33.3	33.3	11.2	11.2	10.1	11.5	11.5	12.2
DesignQueue:	6	10	3	3	4	2	1	5	3	1	5	8

Marine Science Center  
November 2003  
Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Existing AM

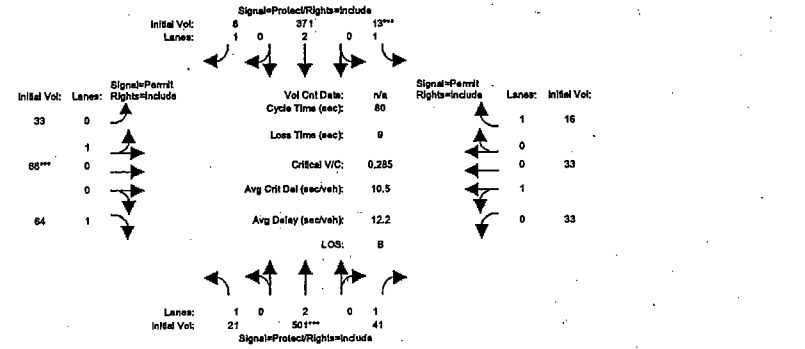
Intersection #21: Bay/lowa [N/S: Bay E/w: lowa]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	21	500	41	13	368	8	33	68	64	33	33	16
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	21	500	41	13	368	8	33	68	64	33	33	16
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	21	500	41	13	368	8	33	68	64	33	33	16
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
PHF Volume:	25	602	49	16	443	10	40	82	77	40	40	19
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	602	49	16	443	10	40	82	77	40	40	19
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	25	602	49	16	443	10	40	82	77	40	40	19
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.83	0.93	0.93	0.83	0.88	0.88	0.83	0.82	0.82	0.83
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	0.33	0.67	1.00	0.50	0.50	1.00
Final Sat.:	1769	3538	1583	1769	3538	1583	544	1121	1583	779	779	1583
Capacity Analysis Module:												
Vol/Sat:	0.01	0.17	0.03	0.01	0.13	0.01	0.07	0.07	0.05	0.05	0.05	0.01
Crit Moves:	****			****			****			****		
Green/Cycle:	0.06	0.60	0.60	0.03	0.57	0.57	0.26	0.26	0.26	0.26	0.26	0.26
Volume/Cap:	0.22	0.28	0.05	0.28	0.22	0.01	0.28	0.28	0.19	0.20	0.20	0.05
Delay/Veh:	36.5	7.8	6.7	40.7	8.7	7.6	24.2	24.2	23.4	23.5	23.5	22.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	36.5	7.8	6.7	40.7	8.7	7.6	24.2	24.2	23.4	23.5	23.5	22.4
DesignQueue:	1	11	1	1	9	0	1	3	3	1	1	1

Marine Science Center  
November 2003  
Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex - Ph 1 AM

Intersection #21: Bay/lowa [N/S: Bay E/w: lowa]



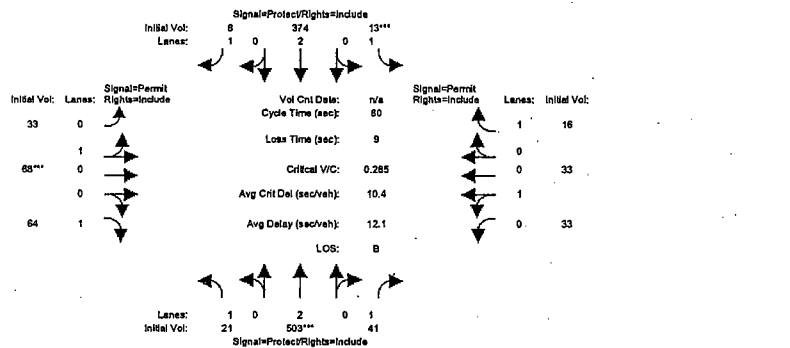
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	21	500	41	13	368	8	33	68	64	33	33	16
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	21	500	41	13	368	8	33	68	64	33	33	16
Added Vol:	0	1	0	0	3	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	21	501	41	13	371	8	33	68	64	33	33	16
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
PHF Volume:	25	604	49	16	447	10	40	82	77	40	40	19
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	604	49	16	447	10	40	82	77	40	40	19
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	25	604	49	16	447	10	40	82	77	40	40	19
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.83	0.93	0.93	0.83	0.88	0.88	0.83	0.82	0.82	0.83
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	0.33	0.67	1.00	0.50	0.50	1.00
Final Sat.:	1769	3538	1583	1769	3538	1583	544	1121	1583	779	779	1583
Capacity Analysis Module:												
Vol/Sat:	0.01	0.17	0.03	0.01	0.13	0.01	0.07	0.07	0.05	0.05	0.05	0.01
Crit Moves:	****			****			****			****		
Green/Cycle:	0.06	0.60	0.60	0.03	0.57	0.57	0.26	0.26	0.26	0.26	0.26	0.26
Volume/Cap:	0.22	0.28	0.05	0.28	0.22	0.01	0.28	0.28	0.19	0.20	0.20	0.05
Delay/Veh:	36.5	7.8	6.6	40.7	8.7	7.6	24.2	24.2	23.4	23.5	23.5	22.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	36.5	7.8	6.6	40.7	8.7	7.6	24.2	24.2	23.4	23.5	23.5	22.4
DesignQueue:	1	11	1	1	9	0	1	3	3	1	1	1

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 AM

Intersection #21: Baylowa [N/S: Bay E/w: Iowa]



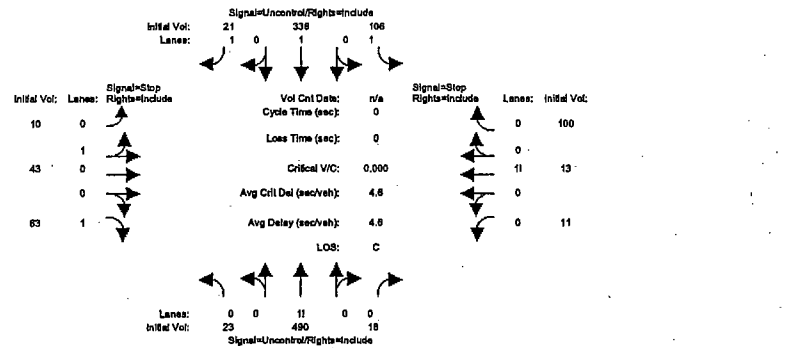
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:	0	0	0	0	0	0	0	0	0	0	0	0
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	21	500	41	13	368	8	33	68	64	33	33	16
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	21	500	41	13	368	8	33	68	64	33	33	16
Added Vol:	0	3	0	0	6	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	21	503	41	13	374	8	33	68	64	33	33	16
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
PHF Volume:	25	606	49	16	451	10	40	82	77	40	40	19
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	606	49	16	451	10	40	82	77	40	40	19
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	25	606	49	16	451	10	40	82	77	40	40	19
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.83	0.93	0.93	0.83	0.88	0.88	0.83	0.82	0.82	0.83
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	0.33	0.67	1.00	0.50	0.50	1.00
Final Sat.:	1769	3538	1583	1769	3538	1583	544	1121	1583	779	779	1583
Capacity Analysis Module:												
Vol/Sat:	0.01	0.17	0.03	0.01	0.13	0.01	0.07	0.07	0.05	0.05	0.05	0.01
Crit Moves:	****			****			****			****		
Green/Cycle:	0.06	0.60	0.60	0.03	0.57	0.57	0.26	0.26	0.26	0.26	0.26	0.26
Volume/Cap:	0.22	0.29	0.05	0.29	0.22	0.01	0.29	0.29	0.19	0.20	0.20	0.05
Delay/Veh:	36.6	7.8	6.6	40.7	8.6	7.5	24.2	24.2	23.5	23.6	23.6	22.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	36.6	7.8	6.6	40.7	8.6	7.5	24.2	24.2	23.5	23.6	23.6	22.5
DesignQueue:	1	11	1	1	9	0	1	3	3	1	1	1

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2000 HCM Unsignalized (Future Volume Alternative)  
Existing AM

Intersection #22: Bay/Escalona [N/S: Bay E/w: Escalona]



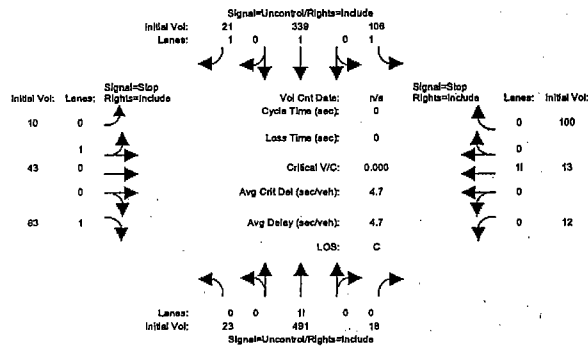
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	23	490	18	106	336	21	10	43	63	11	13	100
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	23	490	18	106	336	21	10	43	63	11	13	100
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	23	490	18	106	336	21	10	43	63	11	13	100
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	23	490	18	106	336	21	10	43	63	11	13	100
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	23	490	18	106	336	21	10	43	63	11	13	100
Critical Gap Module:												
Critical Gap:	4.1	xxxx	xxxx	4.1	xxxx	xxxx	7.1	6.5	6.2	7.1	6.5	6.2
FollowUpTim:	2.2	xxxx	xxxx	2.2	xxxx	xxxx	3.5	4.0	3.3	3.5	4.0	3.3
Capacity Module:												
Conflict Vol:	357	xxxx	xxxx	508	xxxx	xxxx	1150	1102	336	1157	1114	499
Potent Cap.:	1213	xxxx	xxxx	1067	xxxx	xxxx	177	213	711	175	210	576
Move Cap.:	1213	xxxx	xxxx	1067	xxxx	xxxx	126	189	711	120	185	576
Level Of Service Module:												
Stopped Del:	8.0	xxxx	xxxx	8.7	xxxx	xxxx	10.6	xxxx	xxxx	xxxx	xxxx	xxxx
LOS by Move:	A	*	*	A	*	*	B	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	172	xxxx	xxxx	xxxx	370	xxxx
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	34.9	xxxx	xxxx	xxxx	19.6	xxxx
Shared LOS:	*	*	*	*	*	*	D	*	*	C	*	*
ApproachDel:	xxxxxx			xxxxxx			21.7			19.6		
ApproachLOS:	*			*			C			C		

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex + Ph 1 AM

Intersection #22: Bay/Escalona [N/S: Bay E/W: Escalona]



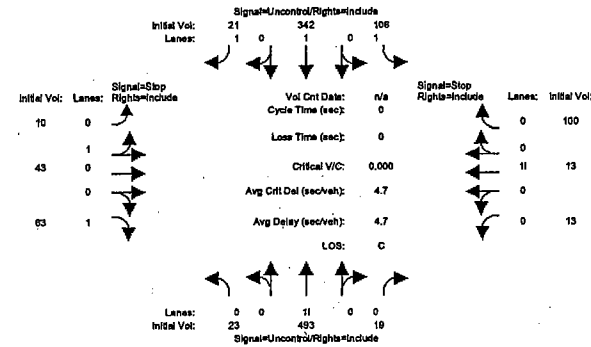
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:												
Volume Module:												
Base Vol:	23	490	18	106	336	21	10	43	63	11	13	100
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	23	490	18	106	336	21	10	43	63	11	13	100
Added Vol:	0	1	0	0	3	0	0	0	0	1	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	23	491	18	106	339	21	10	43	63	12	13	100
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	23	491	18	106	339	21	10	43	63	12	13	100
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	23	491	18	106	339	21	10	43	63	12	13	100
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxx	4.1	xxxx	xxxx	7.1	6.5	6.2	7.1	6.5	6.2
FollowUpTim:	2.2	xxxx	xxxx	2.2	xxxx	xxxx	3.5	4.0	3.3	3.5	4.0	3.3
Capacity Module:												
Cnflct Vol:	360	xxxx	xxxx	509	xxxx	xxxx	1154	1106	339	1161	1118	500
Potent Cap.:	1210	xxxx	xxxx	1066	xxxx	xxxx	176	212	708	174	209	575
Move Cap.:	1210	xxxx	xxxx	1066	xxxx	xxxx	125	187	708	119	184	575
Level Of Service Module:												
Stopped Del:	8.0	xxxx	xxxx	8.7	xxxx	xxxx	10.6	xxxx	xxxx	10.6	xxxx	xxxx
LOS by Move:	A	*	*	A	*	*	B	*	*	B	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	171	xxxx	xxxx	xxxx	362	xxxx
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	35.1	xxxx	xxxx	xxxx	20.1	xxxx
Shared LOS:	*	*	*	*	*	*	E	*	*	C	*	*
ApproachDel:	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	21.8	xxxxxx	xxxxxx	20.1	xxxxxx	
ApproachLOS:	*	*	*	*	*	*	C	*	*	C	*	

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 AM

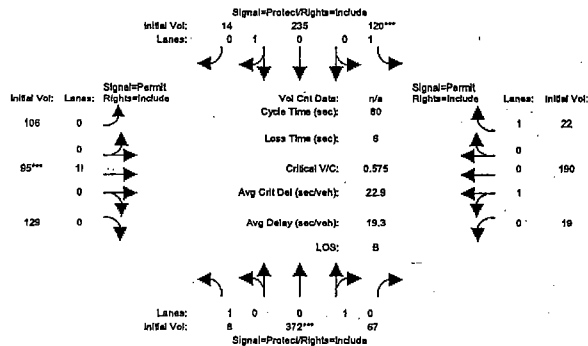
Intersection #22: Bay/Escalona [N/S: Bay E/W: Escalona]



Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:												
Volume Module:												
Base Vol:	23	490	18	106	336	21	10	43	63	11	13	100
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	23	490	18	106	336	21	10	43	63	11	13	100
Added Vol:	0	3	1	0	6	0	0	0	0	2	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	23	493	19	106	342	21	10	43	63	13	13	100
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	23	493	19	106	342	21	10	43	63	13	13	100
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	23	493	19	106	342	21	10	43	63	13	13	100
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxx	4.1	xxxx	xxxx	7.1	6.5	6.2	7.1	6.5	6.2
FollowUpTim:	2.2	xxxx	xxxx	2.2	xxxx	xxxx	3.5	4.0	3.3	3.5	4.0	3.3
Capacity Module:												
Cnflct Vol:	363	xxxx	xxxx	512	xxxx	xxxx	1159	1112	342	1166	1124	503
Potent Cap.:	1207	xxxx	xxxx	1064	xxxx	xxxx	174	211	705	172	207	573
Move Cap.:	1207	xxxx	xxxx	1064	xxxx	xxxx	124	186	705	118	183	573
Level Of Service Module:												
Stopped Del:	8.0	xxxx	xxxx	8.8	xxxx	xxxx	10.6	xxxx	xxxx	10.6	xxxx	xxxx
LOS by Move:	A	*	*	A	*	*	B	*	*	B	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	170	xxxx	xxxx	xxxx	354	xxxx
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	35.5	xxxx	xxxx	xxxx	20.7	xxxx
Shared LOS:	*	*	*	*	*	*	E	*	*	C	*	*
ApproachDel:	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	22.0	xxxxxx	xxxxxx	20.7	xxxxxx	
ApproachLOS:	*	*	*	*	*	*	C	*	*	C	*	

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2000 HCM Operations (Future Volume Alternative)  
Edging AM

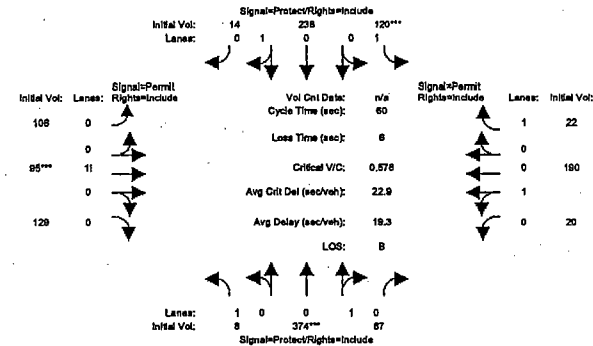
Intersection #23: Bay/King [N/S: Bay E/W: King]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	8	372	67	120	235	14	106	95	129	19	190	22
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	8	372	67	120	235	14	106	95	129	19	190	22
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	8	372	67	120	235	14	106	95	129	19	190	22
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	8	372	67	120	235	14	106	95	129	19	190	22
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	372	67	120	235	14	106	95	129	19	190	22
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	372	67	120	235	14	106	95	129	19	190	22
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.96	0.96	0.93	0.97	0.97	0.78	0.78	0.78	0.94	0.94	0.83
Lanes:	1.00	0.85	0.15	1.00	0.94	0.06	0.32	0.29	0.39	0.09	0.91	1.00
Final Sat.:	1769	1542	278	1769	1743	104	476	427	580	163	1628	1583
Capacity Analysis Module:												
Vol/Sat:	0.00	0.24	0.24	0.07	0.13	0.13	0.22	0.22	0.22	0.12	0.12	0.01
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.02	0.42	0.42	0.12	0.52	0.52	0.39	0.39	0.39	0.39	0.39	0.39
Volume/Cap:	0.26	0.57	0.57	0.57	0.26	0.26	0.57	0.57	0.57	0.30	0.30	0.04
Delay/Veh:	43.2	18.8	18.8	37.3	10.8	10.8	20.8	20.8	20.8	17.3	17.3	15.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	43.2	18.8	18.8	37.3	10.8	10.8	20.8	20.8	20.8	17.3	17.3	15.3
DesignQueue:	0	10	2	5	5	0	3	3	4	1	5	1

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Ex + Ph 1 AM

Intersection #23: Bay/King [N/S: Bay E/W: King]

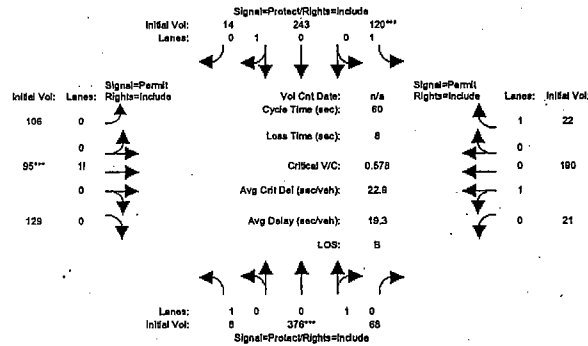


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	8	372	67	120	235	14	106	95	129	19	190	22
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	8	372	67	120	235	14	106	95	129	19	190	22
Added Vol:	0	2	0	0	3	0	0	0	0	1	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	8	374	67	120	238	14	106	95	129	20	190	22
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	8	374	67	120	238	14	106	95	129	20	190	22
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	374	67	120	238	14	106	95	129	20	190	22
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	374	67	120	238	14	106	95	129	20	190	22
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.96	0.96	0.93	0.97	0.97	0.78	0.78	0.78	0.94	0.94	0.83
Lanes:	1.00	0.85	0.15	1.00	0.94	0.06	0.32	0.29	0.39	0.10	0.90	1.00
Final Sat.:	1769	1543	276	1769	1744	103	476	427	580	170	1612	1583
Capacity Analysis Module:												
Vol/Sat:	0.00	0.24	0.24	0.07	0.14	0.14	0.22	0.22	0.22	0.12	0.12	0.01
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.02	0.42	0.42	0.12	0.52	0.52	0.39	0.39	0.39	0.39	0.39	0.39
Volume/Cap:	0.26	0.58	0.58	0.58	0.26	0.26	0.58	0.58	0.58	0.31	0.31	0.04
Delay/Veh:	43.3	18.8	18.8	37.3	10.8	10.8	20.8	20.8	20.8	17.3	17.3	15.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	43.3	18.8	18.8	37.3	10.8	10.8	20.8	20.8	20.8	17.3	17.3	15.3
DesignQueue:	0	10	2	5	5	0	3	3	4	1	5	1



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Ex + Ph 1 + Ph 2 AM

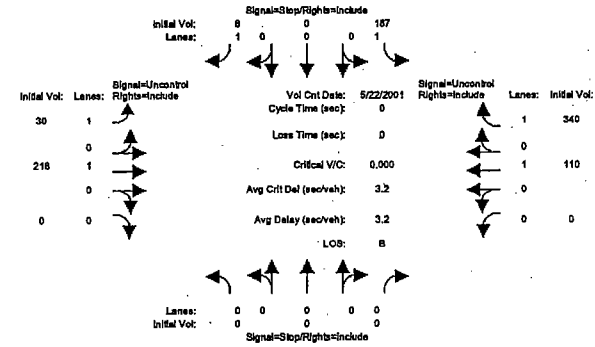
Intersection #23: Bay/King [N/S: Bay E/W: King]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	8	372	67	120	235	14	106	95	129	19	190	22
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	8	372	67	120	235	14	106	95	129	19	190	22
Added Vol:	0	4	1	0	8	0	0	0	0	2	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	8	376	68	120	243	14	106	95	129	21	190	22
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	8	376	68	120	243	14	106	95	129	21	190	22
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	376	68	120	243	14	106	95	129	21	190	22
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	376	68	120	243	14	106	95	129	21	190	22
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.96	0.96	0.93	0.97	0.97	0.78	0.78	0.78	0.94	0.94	0.83
Lanes:	1.00	0.85	0.15	1.00	0.95	0.05	0.32	0.29	0.39	0.10	0.90	1.00
Final Sat.:	1769	1541	279	1769	1746	101	476	426	579	177	1603	1583
Capacity Analysis Module:												
Vol/Sat:	0.00	0.24	0.24	0.07	0.14	0.14	0.22	0.22	0.22	0.12	0.12	0.01
Crit Moves:	****			****			****					
Green/Cycle:	0.02	0.42	0.42	0.12	0.52	0.52	0.39	0.39	0.39	0.39	0.39	0.39
Volume/Cap:	0.27	0.58	0.58	0.58	0.27	0.27	0.58	0.58	0.58	0.31	0.31	0.04
Delay/Veh:	43.5	18.8	18.8	37.4	10.7	10.7	20.9	20.9	20.9	17.4	17.4	15.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	43.5	18.8	18.8	37.4	10.7	10.7	20.9	20.9	20.9	17.4	17.4	15.3
DesignQueue:	0	10	2	5	5	0	3	3	4	1	5	1

Marine Science Center  
November 2003  
Level of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Existing AM

Intersection #24: Empire Grade/Heller [N/S: Heller E/W: Empire Grade]



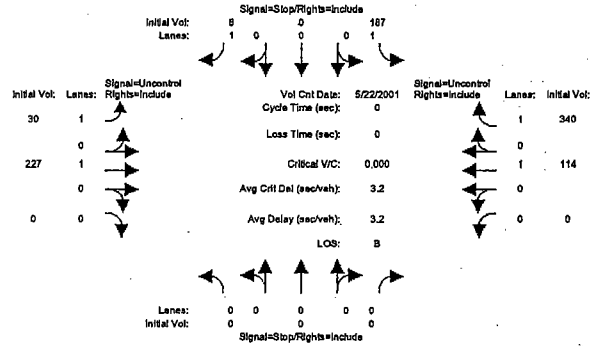
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:	>> Count Date: 22 May 2001 <<											
Base Vol:	0	0	0	187	0	8	30	218	0	0	110	340
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Base:	0	0	0	187	0	8	30	218	0	0	110	340
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	187	0	8	30	218	0	0	110	340
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	187	0	8	30	218	0	0	110	340
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	187	0	8	30	218	0	0	110	340
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	6.4	xxxx	6.2	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	3.5	xxxx	3.3	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflct Vol:	xxxxx	xxxx	xxxxx	388	xxxx	110	450	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxxx	xxxx	xxxxx	619	xxxx	949	1121	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxxx	xxxx	xxxxx	607	xxxx	949	1121	xxxx	xxxxx	xxxx	xxxx	xxxxx
Level of Service Module:												
Stopped Del:	xxxxx	xxxx	xxxxx	13.6	xxxx	8.8	8.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	B	*	A	A	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			13.4			xxxxxx			xxxxxx		
ApproachLOS:	*			B			*			*		

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex + Ph 1 AM

Intersection #24: Empire Grade/Heller [N/S: Heller E/W: Empire Grade]



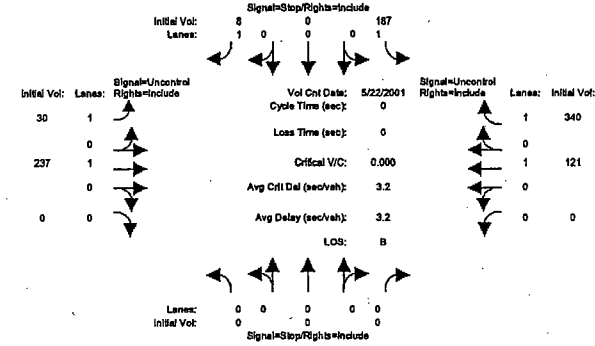
Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	T	R		L	T	R		L	T	R		L	T	R	
Volume Module: >> Count Date: 22 May 2001 <<																
Base Vol:	0	0	0	187	0	8	30	218	0	0	110	340	0	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	187	0	8	30	218	0	0	110	340	0	0	0	0
Added Vol:	0	0	0	0	0	0	0	9	0	0	4	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	187	0	8	30	227	0	0	114	340	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	187	0	8	30	227	0	0	114	340	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	187	0	8	30	227	0	0	114	340	0	0	0	0
Critical Gap Module:																
Critical Gp:	xxxxx	xxxxx	xxxxx	xxxxx	6.4	xxxxx	6.2	4.1	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
FollowUpTim:	xxxxx	xxxxx	xxxxx	xxxxx	3.5	xxxxx	3.3	2.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Capacity Module:																
Cnflct Vol:	xxxxx	xxxxx	xxxxx	xxxxx	401	xxxxx	114	454	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Potent Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	609	xxxxx	944	1117	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Move Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	596	xxxxx	944	1117	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Level Of Service Module:																
Stopped Del:	xxxxx	xxxxx	xxxxx	xxxxx	13.8	xxxxx	8.8	8.3	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
LOS by Move:	*	*	*	*	B	*	A	A	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT		LT	LTR	RT		LT	LTR	RT		LT	LTR	RT	
Shared Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxxx				13.6	xxxxxxx			xxxxxxx			xxxxxxx				xxxxxxx
ApproachLOS:	*				B	*			*			*				*

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 AM

Intersection #24: Empire Grade/Heller [N/S: Heller E/W: Empire Grade]



Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	T	R		L	T	R		L	T	R		L	T	R	
Volume Module: >> Count Date: 22 May 2001 <<																
Base Vol:	0	0	0	187	0	8	30	218	0	0	110	340	0	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	187	0	8	30	218	0	0	110	340	0	0	0	0
Added Vol:	0	0	0	0	0	0	0	19	0	0	11	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	187	0	8	30	237	0	0	121	340	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	187	0	8	30	237	0	0	121	340	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	187	0	8	30	237	0	0	121	340	0	0	0	0
Critical Gap Module:																
Critical Gp:	xxxxx	xxxxx	xxxxx	xxxxx	6.4	xxxxx	6.2	4.1	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
FollowUpTim:	xxxxx	xxxxx	xxxxx	xxxxx	3.5	xxxxx	3.3	2.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Capacity Module:																
Cnflct Vol:	xxxxx	xxxxx	xxxxx	xxxxx	418	xxxxx	121	461	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Potent Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	595	xxxxx	936	1111	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Move Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	583	xxxxx	936	1111	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Level Of Service Module:																
Stopped Del:	xxxxx	xxxxx	xxxxx	xxxxx	14.1	xxxxx	8.9	8.3	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
LOS by Move:	*	*	*	*	B	*	A	A	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT		LT	LTR	RT		LT	LTR	RT		LT	LTR	RT	
Shared Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxxx				13.8	xxxxxxx			xxxxxxx			xxxxxxx				xxxxxxx
ApproachLOS:	*				B	*			*			*				*

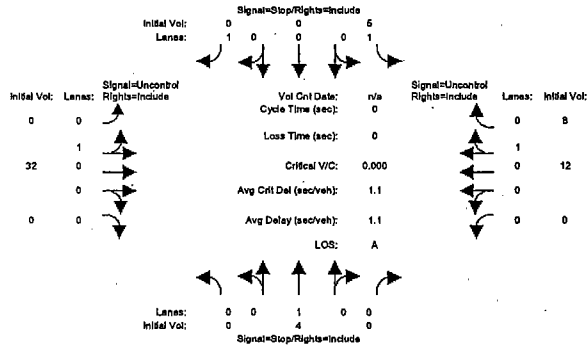
Marine Science Center

November 2003

Summary Scenario Comparison Report (With Average Critical Delay)  
Future Volume Alternative

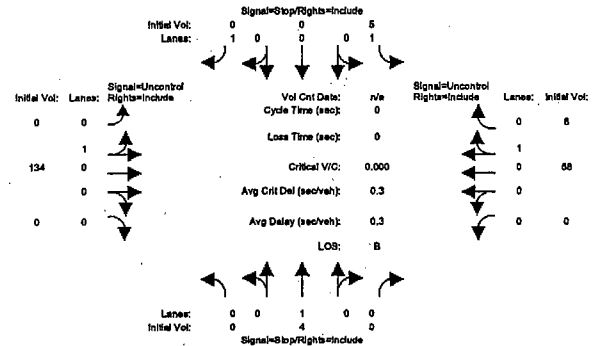
Intersection	Existing PM				Ex + Ph 1 PM				Ex + Ph 1 + Ph 2 PM						???			
	LOS	Avg Del (sec)	Crit V/C	Avg Crit Del (sec)	LOS	Avg Del (sec)	Crit V/C	Avg Crit Del (sec)	LOS	Avg Del (sec)	Crit V/C	Crit V/C Change	Avg Crit Del (sec)	Avg Crit Del Change	LOS	Avg Del (sec)	Crit V/C	Avg Crit Del (sec)
#1 Delaware/Shaffer [N/S:Shaffer E/W:Delaware]	A	1.1	0.000	1.1	B	0.3	0.000	0.3	B	0.2	0.000	+0.000	0.2	-0.1	?	xx.X	x.xxx	xx.X
#2 Delaware/Natural Bridges [N/S:Natural Bridges E/W:Delaware]	A	8.4	0.162	8.4	A	9.0	0.282	9.0	B	10.5	0.455	+0.173	10.5	+1.4	?	xx.X	x.xxx	xx.X
#3 Delaware/Swanton [N/S: Swanton E/W: Delaware]	B	3.5	0.000	3.5	B	3.1	0.000	3.1	B	2.9	0.000	+0.000	2.9	-0.2	?	xx.X	x.xxx	xx.X
#4 Bay/Laguna [N/S:Laguna E/W: Bay]	B	4.3	0.000	4.3	B	4.5	0.000	4.5	B	4.8	0.000	+0.000	4.8	+0.3	?	xx.X	x.xxx	xx.X
#5 SR 1/Shaffer [N/S: Shaffer E/w: SR 1]	B	2.2	0.000	2.2	B	2.3	0.000	2.3	B	2.3	0.000	+0.000	2.3	+0.1	?	xx.X	x.xxx	xx.X
#6 Delaware/Swift [N/S: Swift E/W: Delaware]	B	10.9	0.477	10.9	B	11.9	0.525	11.9	B	13.8	0.604	+0.079	13.8	+1.9	?	xx.X	x.xxx	xx.X
#7 Delaware/Almar [N/S: Almar E/W: Delaware]	B	11.4	0.548	11.4	B	12.5	0.617	12.5	B	14.5	0.703	+0.085	14.5	+2.0	?	xx.X	x.xxx	xx.X
#8 SR 1/Western [N/S: Western E/w: SR 1]	B	18.1	0.510	17.7	B	19.0	0.524	19.0	C	20.2	0.546	+0.023	21.0	+2.0	?	xx.X	x.xxx	xx.X
#9 SR 1/Swift [N/S: Swift E/w: SR 1]	C	20.0	0.398	24.9	C	20.2	0.410	25.1	C	20.5	0.427	+0.017	25.6	+0.5	?	xx.X	x.xxx	xx.X
#10 Mission/Almar [N/S: Almar E/w: Mission]	C	24.6	0.568	31.4	C	25.7	0.604	32.8	C	27.2	0.650	+0.046	34.8	+2.0	?	xx.X	x.xxx	xx.X
#11 Mission/Bay [N/S: Bay E/w: Mission]	D	51.1	0.940	54.7	E	55.0	0.959	58.2	E	61.9	0.987	+0.028	66.5	+8.2	?	xx.X	x.xxx	xx.X
#12 Laurel/California [N/S: California E/w: Laurel]	C	20.6	0.578	22.4	C	20.7	0.587	22.8	C	21.0	0.600	+0.013	23.3	+0.5	?	xx.X	x.xxx	xx.X
#13 Mission/Laurel [N/S: Laurel E/w: Mission]	D	35.3	0.851	37.8	D	36.1	0.873	38.9	D	37.4	0.900	+0.027	40.7	+1.8	?	xx.X	x.xxx	xx.X
#14 Mission/Walnut [N/S: Walnut E/w: Mission]	B	19.2	0.547	18.6	B	19.0	0.562	20.9	B	18.6	0.586	+0.024	20.6	-0.3	?	xx.X	x.xxx	xx.X
#15 Mission/Union [N/S: Union E/w: Mission]	C	24.1	0.621	21.6	C	24.2	0.628	21.5	C	24.2	0.645	+0.017	21.1	-0.4	?	xx.X	x.xxx	xx.X
#16 Mission/Chestnut [N/S: Chestnut E/w: Mission]	E	79.4	1.122	93.6	F	82.7	1.133	97.7	F	88.6	1.152	+0.019	100.8	+3.1	?	xx.X	x.xxx	xx.X
#17 Mission/River [N/S: River E/w: Mission]	D	45.1	0.904	57.2	D	45.9	0.918	58.6	D	47.1	0.934	+0.016	60.6	+2.0	?	xx.X	x.xxx	xx.X
#18 Western/Meder [N/S: Western E/w: Meder]	A	8.7	0.257	8.7	A	8.8	0.272	8.8	A	8.9	0.292	+0.020	8.9	+0.1	?	xx.X	x.xxx	xx.X
#19 High/Western [N/S: Western E/w: High]	D	4.4	0.000	4.4	D	4.8	0.000	4.8	E	5.3	0.000	+0.000	5.3	+0.5	?	xx.X	x.xxx	xx.X
#20 High/Bay [N/S: Bay E/w: High]	C	22.9	0.558	25.1	C	22.9	0.559	25.1	C	22.9	0.561	+0.002	25.1	+0.0	?	xx.X	x.xxx	xx.X
#21 Bay/Iowa [N/S: Bay E/w: Iowa]	B	10.1	0.395	9.6	B	10.1	0.395	9.6	B	10.0	0.396	+0.001	9.6	-0.0	?	xx.X	x.xxx	xx.X
#22 Bay/Escalona [N/S: Bay E/w: Escalona]	F	9.1	0.000	9.1	F	9.2	0.000	9.2	F	9.7	0.000	+0.000	9.7	+0.5	?	xx.X	x.xxx	xx.X
#23 Bay/King [N/S: Bay E/w: King]	C	22.7	0.749	29.2	C	22.8	0.751	29.3	C	22.9	0.755	+0.004	29.5	+0.1	?	xx.X	x.xxx	xx.X
#24 Empire Grade/Heller [N/S: Heller E/w: Empire Grade]	C	8.9	0.000	8.9	C	9.2	0.000	9.2	C	9.6	0.000	+0.000	9.6	+0.4	?	xx.X	x.xxx	xx.X

Intersection #1: Delaware/Shaffer [N/S:Shaffer EW:Delaware]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	4	0	5	0	0	0	32	0	0	12	8
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	4	0	5	0	0	0	32	0	0	12	8
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	4	0	5	0	0	0	32	0	0	12	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	4	0	5	0	0	0	32	0	0	12	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	4	0	5	0	0	0	32	0	0	12	8
Critical Gap Module:												
Critical Gp:	xxxxx	6.6	xxxxx	7.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
FollowUpTim:	xxxxx	4.1	xxxxx	3.6	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Capacity Module:												
Cnflct Vol:	xxxxx	52	xxxxx	50	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Potent Cap.:	xxxxx	828	xxxxx	935	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Move Cap.:	xxxxx	828	xxxxx	932	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Level Of Service Module:												
Stopped Del:	xxxxx	9.4	xxxxx	8.9	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
LOS by Move:	*	A	*	*	A	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	9.4			8.9			xxxxxxx			xxxxxxx		
ApproachLOS:	A			A			*			*		

Intersection #1: Delaware/Shaffer [N/S:Shaffer EW:Delaware]



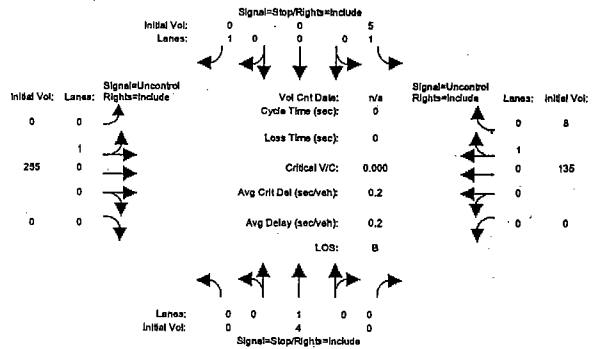
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	4	0	5	0	0	0	32	0	0	12	8
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	4	0	5	0	0	0	32	0	0	12	8
Added Vol:	0	0	0	0	0	0	0	102	0	0	46	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	4	0	5	0	0	0	134	0	0	58	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	4	0	5	0	0	0	134	0	0	58	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	4	0	5	0	0	0	134	0	0	58	8
Critical Gap Module:												
Critical Gp:	xxxxx	6.6	xxxxx	7.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
FollowUpTim:	xxxxx	4.1	xxxxx	3.6	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Capacity Module:												
Cnflct Vol:	xxxxx	200	xxxxx	198	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Potent Cap.:	xxxxx	685	xxxxx	748	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Move Cap.:	xxxxx	685	xxxxx	745	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Level Of Service Module:												
Stopped Del:	xxxxx	10.3	xxxxx	9.9	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
LOS by Move:	*	B	*	*	A	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	10.3			9.9			xxxxxxx			xxxxxxx		
ApproachLOS:	B			A			*			*		

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Level of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 PM

Intersection #1: Delaware/Shaffer [N/S:Shaffer E/W:Delaware]



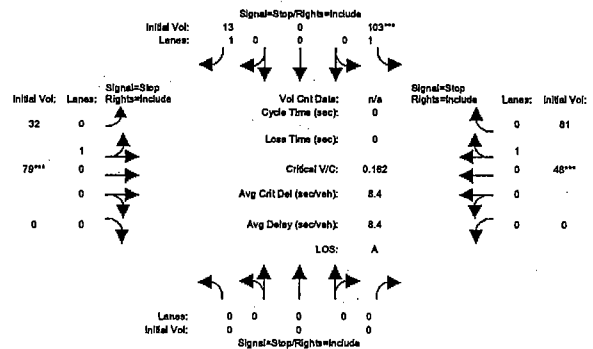
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	4	0	0	5	0	0	0	32	0	0	12
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	4	0	0	5	0	0	0	32	0	0	12
Added Vol:	0	0	0	0	0	0	0	223	0	0	123	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	4	0	0	5	0	0	255	0	0	135	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	4	0	0	5	0	0	255	0	0	135	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	4	0	0	5	0	0	255	0	0	135	8
Critical Gap Module:												
Critical Gap:	xxxxx	6.6	xxxxx	7.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
FollowUpTim:	xxxxx	4.1	xxxxx	3.6	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Capacity Module:												
Cnflct Vol:	xxxxx	398	xxxxx	396	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Potent Cap.:	xxxxx	530	xxxxx	553	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Move Cap.:	xxxxx	530	xxxxx	550	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Level Of Service Module:												
Stopped Del:	xxxxx	11.8	xxxxx	11.6	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
LOS by Move:	*	B	*	*	B	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	11.8			11.6	xxxxxxx		xxxxxxx			xxxxxxx		
ApproachLOS:	B			B		*	*			*		*

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Level of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Existing PM

Intersection #2: Delaware/Natural Bridges [N/S:Natural Bridges E/W:Delaware]



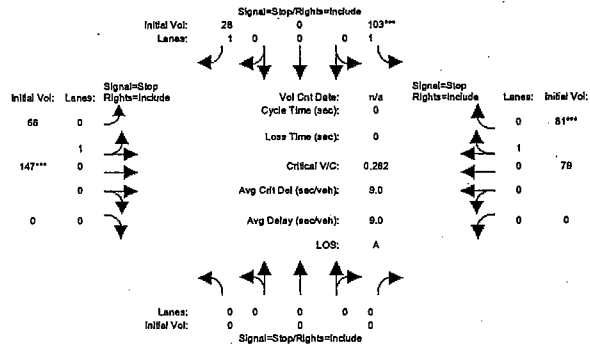
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	0	0	103	0	13	32	79	0	0	0	48
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	103	0	13	32	79	0	0	0	48
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	103	0	13	32	79	0	0	0	48
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	103	0	13	32	79	0	0	0	48
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	103	0	13	32	79	0	0	0	48
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	103	0	13	32	79	0	0	0	48
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	0.29	0.71	0.00	0.00	0.37	0.63
Final Sat.:	0	0	0	634	0	802	222	548	0	0	316	534
Capacity Analysis Module:												
Vol/Sat:	xxxxx	xxxxx	xxxxx	0.16	xxxxx	0.02	0.14	0.14	xxxxx	xxxxx	0.15	0.15
Crit Moves:	****											
Delay/Veh:	0.0	0.0	0.0	9.2	0.0	7.1	8.3	8.3	0.0	0.0	7.8	7.8
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	9.2	0.0	7.1	8.3	8.3	0.0	0.0	7.8	7.8
LOS by Move:	*	*	*	A	*	A	A	A	*	*	A	A
ApproachDel:	xxxxxx			9.0			8.3			7.8		
Delay Adj:	xxxxxx			1.00			1.00			1.00		
ApprAdjDel:	xxxxxx			9.0			8.3			7.8		
LOS by Appr:	*			A			A			A		

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Level of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Ex + Ph 1 PM

Intersection #2: Delaware/Natural Bridges [N/S:Natural Bridges E/W:Delaware]



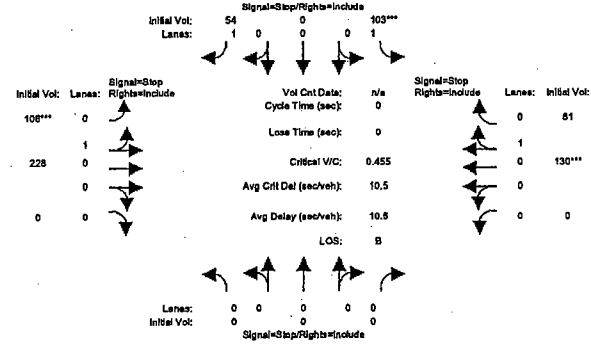
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	0	0	103	0	13	32	79	0	0	48	81
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	103	0	13	32	79	0	0	48	81
Added Vol:	0	0	0	0	0	15	34	68	0	0	31	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	103	0	28	66	147	0	0	79	81
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	103	0	28	66	147	0	0	79	81
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	103	0	28	66	147	0	0	79	81
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	103	0	28	66	147	0	0	79	81
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	0.31	0.69	0.00	0.00	0.49	0.51
Final Sat.:	0	0	0	593	0	737	234	521	0	0	396	406
Capacity Analysis Module:												
Vol/Sat:	xxxx	xxxx	xxxx	0.17	xxxx	0.04	0.28	0.28	xxxx	xxxx	0.20	0.20
Crit Moves:				****			****			****		
Delay/Veh:	0.0	0.0	0.0	9.7	0.0	7.5	9.4	9.4	0.0	0.0	8.4	8.4
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	9.7	0.0	7.5	9.4	9.4	0.0	0.0	8.4	8.4
LOS by Move:	*	*	*	A	*	A	A	A	*	*	A	A
ApproachDel:				9.2			9.4			8.4		
Delay Adj:	xxxxxx			1.00			1.00			1.00		
ApprAdjDel:	xxxxxx			9.2			9.4			8.4		
LOS by Appr:	*			A			A			A		

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Level of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 PM

Intersection #2: Delaware/Natural Bridges [N/S:Natural Bridges E/W:Delaware]



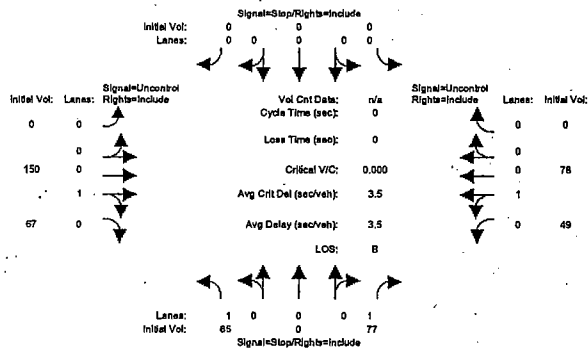
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	0	0	103	0	13	32	79	0	0	48	81
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	103	0	13	32	79	0	0	48	81
Added Vol:	0	0	0	0	0	41	74	149	0	0	82	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	103	0	54	106	228	0	0	130	81
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	103	0	54	106	228	0	0	130	81
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	103	0	54	106	228	0	0	130	81
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	103	0	54	106	228	0	0	130	81
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	0.32	0.68	0.00	0.00	0.62	0.38
Final Sat.:	0	0	0	548	0	670	233	501	0	0	461	287
Capacity Analysis Module:												
Vol/Sat:	xxxx	xxxx	xxxx	0.19	xxxx	0.08	0.46	0.46	xxxx	xxxx	0.28	0.28
Crit Moves:				****			****			****		
Delay/Veh:	0.0	0.0	0.0	10.2	0.0	8.1	11.6	11.6	0.0	0.0	9.4	9.4
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	10.2	0.0	8.1	11.6	11.6	0.0	0.0	9.4	9.4
LOS by Move:	*	*	*	B	*	A	B	B	*	*	A	A
ApproachDel:				9.5			11.6			9.4		
Delay Adj:	xxxxxx			1.00			1.00			1.00		
ApprAdjDel:	xxxxxx			9.5			11.6			9.4		
LOS by Appr:	*			A			B			A		

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Existing PM

Intersection #3: Delaware/Swanton [N/S: Swanton E/W: Delaware]



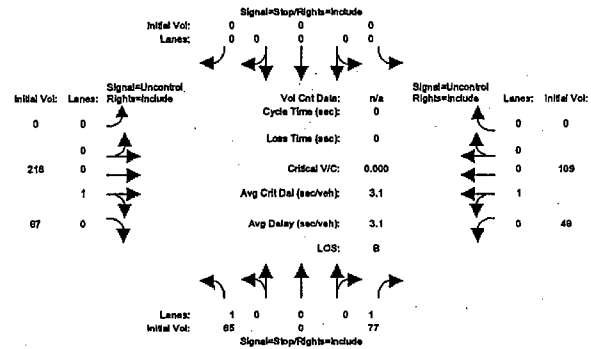
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	65	0	77	0	0	0	0	150	67	49	78	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	65	0	77	0	0	0	0	150	67	49	78	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	65	0	77	0	0	0	0	150	67	49	78	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	65	0	77	0	0	0	0	150	67	49	78	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	65	0	77	0	0	0	0	150	67	49	78	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	6.2	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	4.1	xxxx	xxxx
FollowUpTim:	3.5	xxxx	3.3	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	2.2	xxxx	xxxx
Capacity Module:												
Cnflct Vol:	360	xxxx	184	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	217	xxxx	xxxx
Potent Cap.:	639	xxxx	859	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1335	xxxx	xxxx
Move Cap.:	621	xxxx	859	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1335	xxxx	xxxx
Level Of Service Module:												
Stopped Del:	11.5	xxxx	9.6	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	7.8	xxxx	xxxx
LOS by Move:	B	*	A	*	*	*	*	*	*	A	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	7.8	xxxx	xxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	10.5		xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
ApproachLOS:	B		*	*	*	*	*	*	*	*	*	*

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex + Ph 1 PM

Intersection #3: Delaware/Swanton [N/S: Swanton E/W: Delaware]



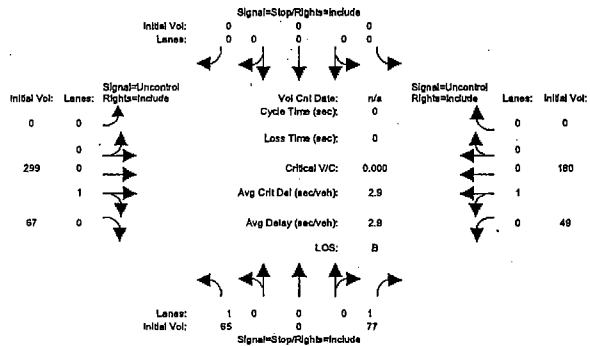
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	65	0	77	0	0	0	0	150	67	49	78	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	65	0	77	0	0	0	0	150	67	49	78	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	68	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	65	0	77	0	0	0	0	150	67	49	109	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	65	0	77	0	0	0	0	218	67	49	109	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	65	0	77	0	0	0	0	218	67	49	109	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	6.2	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	4.1	xxxx	xxxx
FollowUpTim:	3.5	xxxx	3.3	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	2.2	xxxx	xxxx
Capacity Module:												
Cnflct Vol:	459	xxxx	252	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	285	xxxx	xxxx
Potent Cap.:	560	xxxx	787	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1260	xxxx	xxxx
Move Cap.:	543	xxxx	787	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1260	xxxx	xxxx
Level Of Service Module:												
Stopped Del:	12.5	xxxx	10.1	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.0	xxxx	xxxx
LOS by Move:	B	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.0	xxxx	xxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	11.2		xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
ApproachLOS:	B		*	*	*	*	*	*	*	*	*	*

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex. # 1 - Pg. 2 PM

Intersection #3: Delaware/Swanton [N/S: Swanton E/W: Delaware]



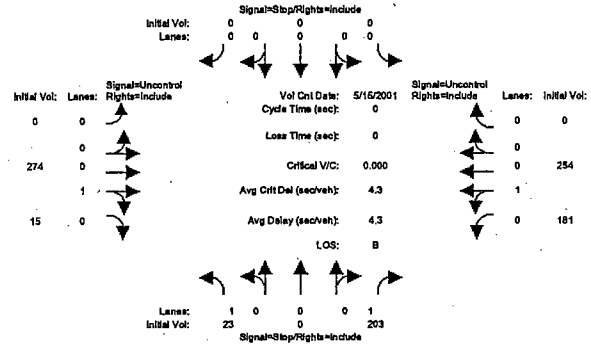
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:	65	0	77	0	0	0	0	150	67	49	78	0
Base Vol:	65	0	77	0	0	0	0	150	67	49	78	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	65	0	77	0	0	0	0	149	0	0	82	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	65	0	77	0	0	0	0	299	67	49	160	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	65	0	77	0	0	0	0	299	67	49	160	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	65	0	77	0	0	0	0	299	67	49	160	0
Critical Gap Module:	6.4	xxxx	6.2	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	4.1	xxxx	xxxx
Critical Gp:	3.5	xxxx	3.3	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	2.2	xxxx	xxxx
FollowUpTim:	3.5	xxxx	3.3	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	2.2	xxxx	xxxx
Capacity Module:	591	xxxx	333	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	366	xxxx	xxxx
Cnflct Vol:	470	xxxx	709	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1176	xxxx	xxxx
Potent Cap.:	454	xxxx	709	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1176	xxxx	xxxx
Move Cap.:	454	xxxx	709	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1176	xxxx	xxxx
Level Of Service Module:	14.2	xxxx	10.7	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.2	xxxx	xxxx
Stopped Del:	B	*	B	*	*	*	*	*	*	A	*	*
LOS by Move:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Movement:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.2	xxxx	xxxx
Shrd StpDel:	*	*	*	*	*	*	*	*	*	A	*	*
Shared LOS:	12.3	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
ApproachDel:	B	*	*	*	*	*	*	*	*	*	*	*
ApproachLOS:	B	*	*	*	*	*	*	*	*	*	*	*

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November 2003

Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Estating PM

Intersection #4: Bay/Laguna [N/S: Laguna E/W: Bay]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:	23	0	203	0	0	0	0	274	15	181	254	0
Base Vol:	23	0	203	0	0	0	0	274	15	181	254	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	23	0	203	0	0	0	0	274	15	181	254	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	23	0	203	0	0	0	0	274	15	181	254	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	23	0	203	0	0	0	0	274	15	181	254	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	23	0	203	0	0	0	0	274	15	181	254	0
Critical Gap Module:	6.4	xxxx	6.2	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	4.1	xxxx	xxxx
Critical Gp:	3.5	xxxx	3.3	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	2.2	xxxx	xxxx
FollowUpTim:	3.5	xxxx	3.3	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	2.2	xxxx	xxxx
Capacity Module:	898	xxxx	282	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	289	xxxx	xxxx
Cnflct Vol:	313	xxxx	762	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1284	xxxx	xxxx
Potent Cap.:	275	xxxx	762	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1284	xxxx	xxxx
Move Cap.:	275	xxxx	762	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1284	xxxx	xxxx
Level Of Service Module:	19.3	xxxx	11.4	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.3	xxxx	xxxx
Stopped Del:	C	*	B	*	*	*	*	*	*	A	*	*
LOS by Move:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Movement:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.3	xxxx	xxxx
Shrd StpDel:	*	*	*	*	*	*	*	*	*	A	*	*
Shared LOS:	12.2	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
ApproachDel:	B	*	*	*	*	*	*	*	*	*	*	*
ApproachLOS:	B	*	*	*	*	*	*	*	*	*	*	*

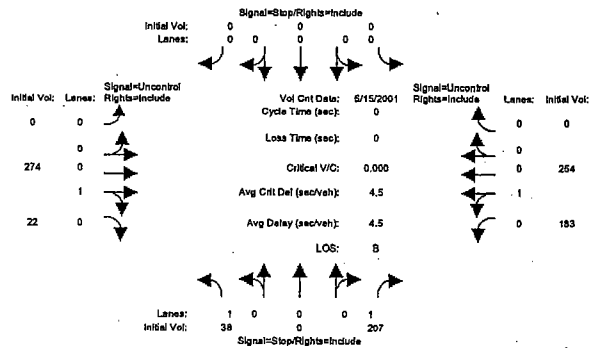


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Level of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex + Ph 1 PM

Intersection #4: Bay/Laguna [N/S:Laguna E/W: Bay]



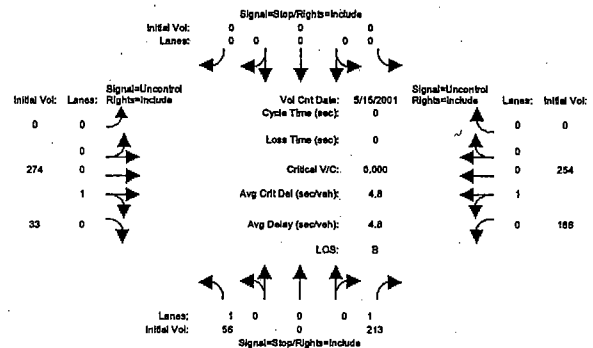
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: >> Count Date: 15 May 2001 <<												
Base Vol:	23	0	203	0	0	0	0	274	15	181	254	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	23	0	203	0	0	0	0	274	15	181	254	0
Added Vol:	15	0	4	0	0	0	0	0	7	2	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	38	0	207	0	0	0	0	274	22	183	254	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	38	0	207	0	0	0	0	274	22	183	254	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	38	0	207	0	0	0	0	274	22	183	254	0
Critical Gap Module:												
Critical Gp:	6.4	XXXXX	6.2	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	4.1	XXXXX	XXXXX
FollowUpTim:	3.5	XXXXX	3.3	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	2.2	XXXXX	XXXXX
Capacity Module:												
Cnflct Vol:	905	XXXXX	285	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	296	XXXXX	XXXXX
Potent Cap.:	309	XXXXX	759	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	1277	XXXXX	XXXXX
Move Cap.:	272	XXXXX	759	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	1277	XXXXX	XXXXX
Level of Service Module:												
Stopped Del:	20.4	XXXXX	11.5	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	8.3	XXXXX	XXXXX
LOS by Move:	C	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
Shrd StpDel:	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	8.3	XXXXX	XXXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	12.9	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
ApproachLOS:	B	*	*	*	*	*	*	*	*	*	*	*

Marine Science Center

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Level of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 PM

Intersection #4: Bay/Laguna [N/S:Laguna E/W: Bay]



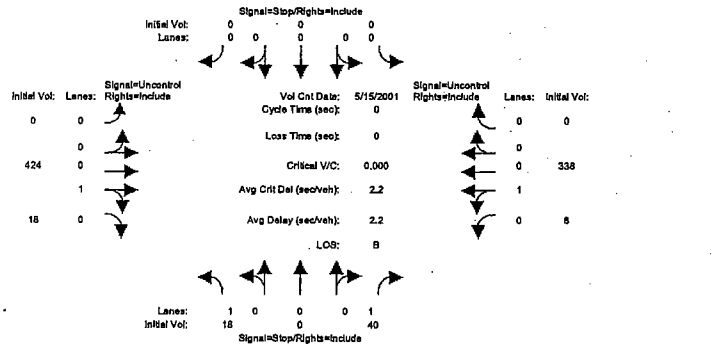
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: >> Count Date: 15 May 2001 <<												
Base Vol:	23	0	203	0	0	0	0	274	15	181	254	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	23	0	203	0	0	0	0	274	15	181	254	0
Added Vol:	33	0	10	0	0	0	0	0	18	5	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	56	0	213	0	0	0	0	274	33	186	254	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	56	0	213	0	0	0	0	274	33	186	254	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	56	0	213	0	0	0	0	274	33	186	254	0
Critical Gap Module:												
Critical Gp:	6.4	XXXXX	6.2	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	4.1	XXXXX	XXXXX
FollowUpTim:	3.5	XXXXX	3.3	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	2.2	XXXXX	XXXXX
Capacity Module:												
Cnflct Vol:	916	XXXXX	291	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	307	XXXXX	XXXXX
Potent Cap.:	305	XXXXX	753	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	1265	XXXXX	XXXXX
Move Cap.:	266	XXXXX	753	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	1265	XXXXX	XXXXX
Level of Service Module:												
Stopped Del:	22.1	XXXXX	11.7	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	8.3	XXXXX	XXXXX
LOS by Move:	C	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
Shrd StpDel:	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	8.3	XXXXX	XXXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	13.8	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX
ApproachLOS:	B	*	*	*	*	*	*	*	*	*	*	*

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ending PM

Intersection #5: SR 1/Shaffer [N/S: Shaffer E/W: SR 1]



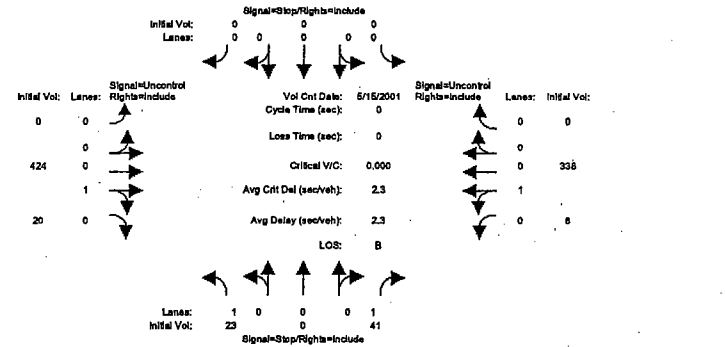
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: >> Count Date: 15 May 2001 <<												
Base Vol:	18	0	40	0	0	0	0	424	18	8	338	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	18	0	40	0	0	0	0	424	18	8	338	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	18	0	40	0	0	0	0	424	18	8	338	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	18	0	40	0	0	0	0	424	18	8	338	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	18	0	40	0	0	0	0	424	18	8	338	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	787	XXXX	433	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	442	XXXX	XXXX
Potent Cap.:	363	XXXX	627	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1129	XXXX	XXXX
Move Cap.:	361	XXXX	627	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1129	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	15.5	XXXX	11.1	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.2	XXXX	XXXX
LOS by Move:	C	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.2	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	12.5											
ApproachLOS:	B											

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex + Ph 1 PM

Intersection #5: SR 1/Shaffer [N/S: Shaffer E/W: SR 1]



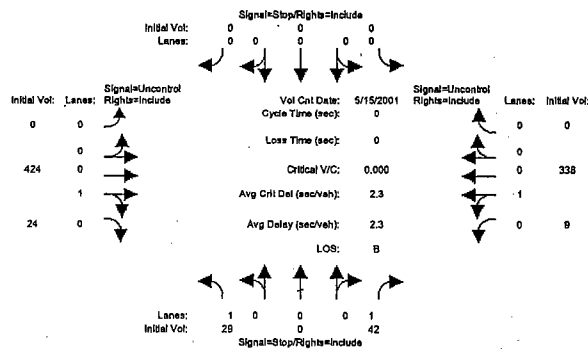
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: >> Count Date: 15 May 2001 <<												
Base Vol:	18	0	40	0	0	0	0	424	18	8	338	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	18	0	40	0	0	0	0	424	18	8	338	0
Added Vol:	5	0	1	0	0	0	0	0	0	2	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	23	0	41	0	0	0	0	424	20	8	338	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	23	0	41	0	0	0	0	424	20	8	338	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	23	0	41	0	0	0	0	424	20	8	338	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	788	XXXX	434	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	444	XXXX	XXXX
Potent Cap.:	363	XXXX	626	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1127	XXXX	XXXX
Move Cap.:	361	XXXX	626	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1129	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	15.7	XXXX	11.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.2	XXXX	XXXX
LOS by Move:	C	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.2	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	12.8											
ApproachLOS:	B											

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Level Of Service Computation Report  
2000 HCM Unsignalized Future Volume Alternative  
Ex + PH 1 + Ph 2 PM

Intersection #5: SR 1/Shaffer [N/S: Shaffer E/W: SR 1]



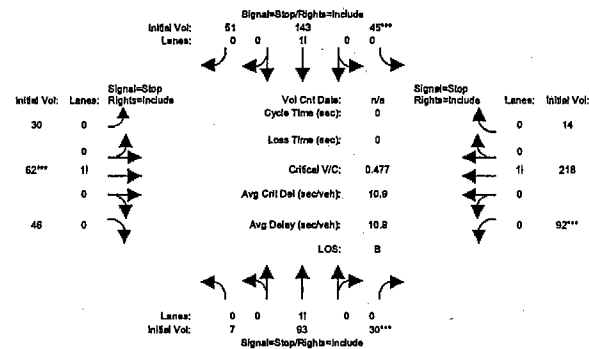
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: >> Count Date: 15 May 2001 <<												
Base Vol:	18	0	40	0	0	0	0	424	18	8	338	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	18	0	40	0	0	0	0	424	18	8	338	0
Added Vol:	11	0	2	0	0	0	0	0	6	1	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	29	0	42	0	0	0	0	424	24	9	338	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	29	0	42	0	0	0	0	424	24	9	338	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	29	0	42	0	0	0	0	424	24	9	338	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	11.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	792	XXXX	436	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	448	XXXX	XXXX
Potent Cap.:	361	XXXX	625	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1123	XXXX	XXXX
Move Cap.:	359	XXXX	625	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1123	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	15.9	XXXX	11.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.2	XXXX	XXXX
LOS by Move:	C	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.2	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	13.1		XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX		XXXX
ApproachLOS:	B		*	*	*	*	*	*	*	*		*

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Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Existing PM

Intersection #6: Delaware/Swift [N/S: Swift E/W: Delaware]



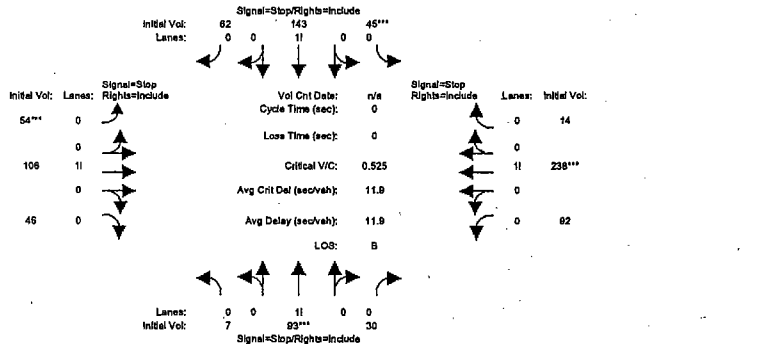
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	7	93	30	45	143	51	30	62	46	92	218	14
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	7	93	30	45	143	51	30	62	46	92	218	14
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	7	93	30	45	143	51	30	62	46	92	218	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	7	93	30	45	143	51	30	62	46	92	218	14
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	93	30	45	143	51	30	62	46	92	218	14
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	7	93	30	45	143	51	30	62	46	92	218	14
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.05	0.72	0.23	0.19	0.60	0.21	0.22	0.45	0.33	0.28	0.68	0.04
Final Sat.:	34	446	144	123	392	140	140	290	215	193	457	29
Capacity Analysis Module:												
Vol/Sat:	0.21	0.21	0.21	0.37	0.37	0.37	0.21	0.21	0.21	0.48	0.48	0.48
Crit Moves:	*****											
Delay/Veh:	9.5	9.5	9.5	10.8	10.8	10.8	9.4	9.4	9.4	12.2	12.2	12.2
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	9.5	9.5	9.5	10.8	10.8	10.8	9.4	9.4	9.4	12.2	12.2	12.2
LOS by Move:	A	A	A	B	B	B	A	A	A	B	B	B
ApproachDel:	9.5			10.8			9.4			12.2		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	9.5			10.8			9.4			12.2		
LOS by Appr:	A			B			A			B		

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Ex + Ph 1 PM

Intersection #6: Delaware/Swift (N/S: Swift EW: Delaware)



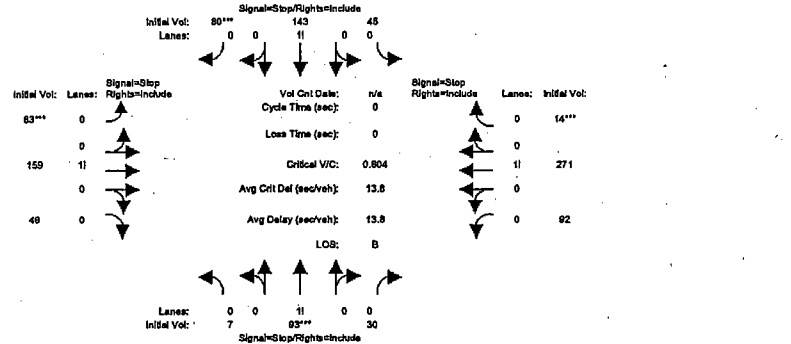
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	7	93	30	45	143	51	30	62	46	92	218	14
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	7	93	30	45	143	51	30	62	46	92	218	14
Added Vol:	0	0	0	0	0	11	24	44	0	0	20	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	7	93	30	45	143	62	54	106	46	92	238	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	7	93	30	45	143	62	54	106	46	92	238	14
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	93	30	45	143	62	54	106	46	92	238	14
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol:	7	93	30	45	143	62	54	106	46	92	238	14
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.05	0.72	0.23	0.18	0.57	0.25	0.26	0.52	0.22	0.27	0.69	0.04
Final Sat:	31	413	133	111	354	154	164	322	140	175	454	27
Capacity Analysis Module:												
Vol/Sat:	0.23	0.23	0.23	0.40	0.40	0.40	0.33	0.33	0.33	0.52	0.52	0.52
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	10.0	10.0	10.0	11.6	11.6	11.6	10.7	10.7	10.7	13.4	13.4	13.4
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	10.0	10.0	10.0	11.6	11.6	11.6	10.7	10.7	10.7	13.4	13.4	13.4
LOS by Move:	B	B	B	B	B	B	B	B	B	B	B	B
ApproachDel:	10.0			11.6			10.7			13.4		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	10.0			11.6			10.7			13.4		
LOS by Appr:	B			B			B			B		

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 PM

Intersection #6: Delaware/Swift (N/S: Swift EW: Delaware)



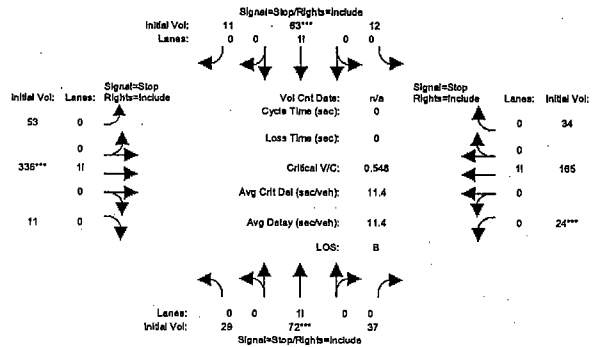
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	7	93	30	45	143	51	30	62	46	92	218	14
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	7	93	30	45	143	51	30	62	46	92	218	14
Added Vol:	0	0	0	0	0	29	53	97	0	0	53	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	7	93	30	45	143	80	83	159	46	92	271	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	7	93	30	45	143	80	83	159	46	92	271	14
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	93	30	45	143	80	83	159	46	92	271	14
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol:	7	93	30	45	143	80	83	159	46	92	271	14
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.05	0.72	0.23	0.17	0.53	0.30	0.29	0.55	0.16	0.24	0.72	0.04
Final Sat:	28	372	120	97	309	173	174	334	96	152	449	23
Capacity Analysis Module:												
Vol/Sat:	0.25	0.25	0.25	0.46	0.46	0.46	0.48	0.48	0.48	0.60	0.60	0.60
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	10.7	10.7	10.7	13.0	13.0	13.0	13.1	13.1	13.1	15.9	15.9	15.9
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	10.7	10.7	10.7	13.0	13.0	13.0	13.1	13.1	13.1	15.9	15.9	15.9
LOS by Move:	B	B	B	B	B	B	B	B	B	C	C	C
ApproachDel:	10.7			13.0			13.1			15.9		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	10.7			13.0			13.1			15.9		
LOS by Appr:	B			B			B			C		

Marine Science Center

November 2003

Level of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Existing PM

Intersection #7: Delaware/Almar [N/S: Almar E/W: Delaware]



Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:	0	0	0	0	0	0	0	0	0	0	0	0
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	29	72	37	12	63	11	53	336	11	24	165	34
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	29	72	37	12	63	11	53	336	11	24	165	34
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	29	72	37	12	63	11	53	336	11	24	165	34
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	29	72	37	12	63	11	53	336	11	24	165	34
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	29	72	37	12	63	11	53	336	11	24	165	34
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	29	72	37	12	63	11	53	336	11	24	165	34

Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.21	0.52	0.27	0.14	0.73	0.13	0.13	0.84	0.03	0.11	0.74	0.15
Final Sat.:	128	318	163	81	427	74	97	614	20	75	516	106

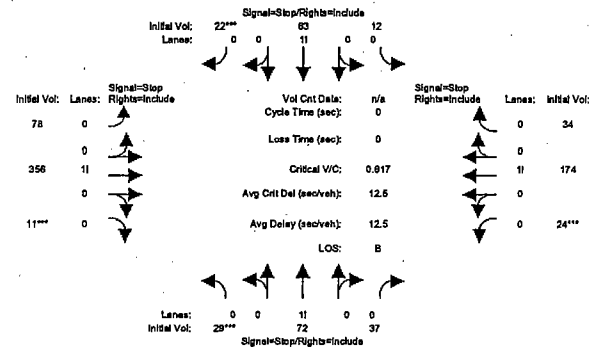
Capacity Analysis Module:												
Vol/Sat:	0.23	0.23	0.23	0.15	0.15	0.15	0.55	0.55	0.55	0.32	0.32	0.32
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	9.7	9.7	9.7	9.4	9.4	9.4	13.1	13.1	13.1	10.1	10.1	10.1
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	9.7	9.7	9.7	9.4	9.4	9.4	13.1	13.1	13.1	10.1	10.1	10.1
LOS by Move:	A	A	A	A	A	A	B	B	B	B	B	B
ApproachDel:	9.7	9.7	9.7	9.4	9.4	9.4	13.1	13.1	13.1	10.1	10.1	10.1
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ApprAdjDel:	9.7	9.7	9.7	9.4	9.4	9.4	13.1	13.1	13.1	10.1	10.1	10.1
LOS by Appr:	A	A	A	A	A	A	B	B	B	B	B	B

Marine Science Center

November 2003

Level of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Ex + Ph 1 PM

Intersection #7: Delaware/Almar [N/S: Almar E/W: Delaware]



Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:	0	0	0	0	0	0	0	0	0	0	0	0
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	29	72	37	12	63	11	53	336	11	24	165	34
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	29	72	37	12	63	11	53	336	11	24	165	34
Added Vol:	0	0	0	0	0	0	0	0	0	11	25	20
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	29	72	37	12	63	11	53	336	11	24	174	34
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	29	72	37	12	63	11	53	336	11	24	174	34
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	29	72	37	12	63	11	53	336	11	24	174	34
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	29	72	37	12	63	11	53	336	11	24	174	34

Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.21	0.52	0.27	0.12	0.65	0.23	0.18	0.80	0.02	0.10	0.75	0.15
Final Sat.:	123	306	157	70	369	129	126	577	18	70	510	100

Capacity Analysis Module:												
Vol/Sat:	0.24	0.24	0.24	0.17	0.17	0.17	0.62	0.62	0.62	0.34	0.34	0.34
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	10.0	10.0	10.0	9.6	9.6	9.6	15.0	15.0	15.0	10.4	10.4	10.4
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	10.0	10.0	10.0	9.6	9.6	9.6	15.0	15.0	15.0	10.4	10.4	10.4
LOS by Move:	B	B	B	A	A	A	B	B	B	B	B	B
ApproachDel:	10.0	10.0	10.0	9.6	9.6	9.6	15.0	15.0	15.0	10.4	10.4	10.4
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ApprAdjDel:	10.0	10.0	10.0	9.6	9.6	9.6	15.0	15.0	15.0	10.4	10.4	10.4
LOS by Appr:	B	B	B	A	A	A	B	B	B	B	B	B

Marine Science Center

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Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 PM

Intersection #7: Delaware/Almar [N/S: Almar E/W: Delaware]

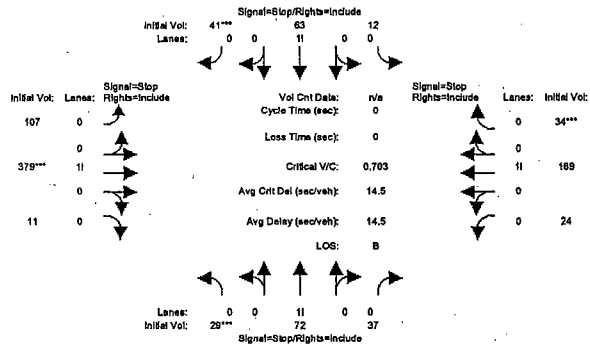


Table with columns for Approach, Movement, North Bound, South Bound, East Bound, West Bound. Includes Volume Module, Saturation Flow Module, and Capacity Analysis Module data.

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Easting PM

Intersection #8: SR 1/Western [N/S: Western E/W: SR 1]

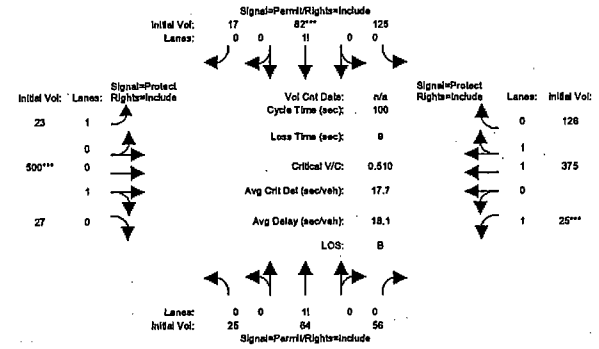


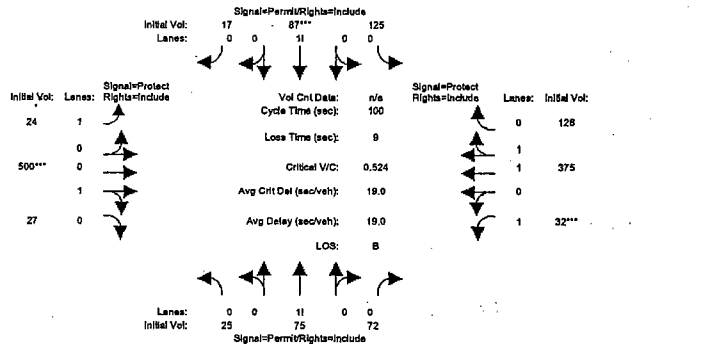
Table with columns for Approach, Movement, North Bound, South Bound, East Bound, West Bound. Includes Volume Module, Saturation Flow Module, and Capacity Analysis Module data.

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex + Ph 1 PM

Intersection #8: SR 1/Western [N/S: Western E/W: SR 1]



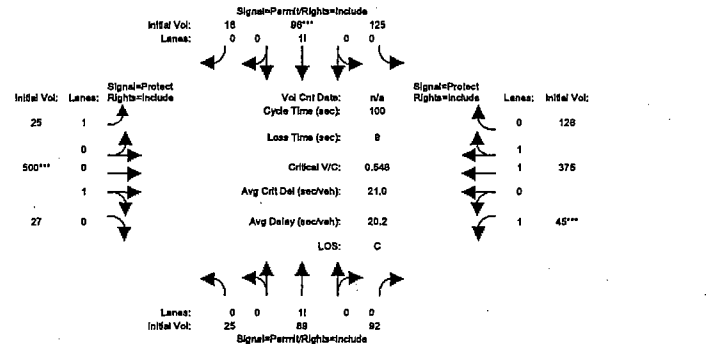
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	25	64	56	125	82	17	23	500	27	25	375	126
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	25	64	56	125	82	17	23	500	27	25	375	126
Added Vol:	0	11	16	0	5	0	1	0	0	7	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	25	75	72	125	87	17	24	500	27	32	375	126
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	25	75	72	125	87	17	24	500	27	32	375	126
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	75	72	125	87	17	24	500	27	32	375	126
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	25	75	72	125	87	17	24	500	27	32	375	126
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.87	0.87	0.87	0.70	0.70	0.70	0.93	0.97	0.97	0.93	0.90	0.90
Lanes:	0.14	0.44	0.42	0.55	0.38	0.07	1.00	0.95	0.05	1.00	1.50	0.50
Final Sat.:	240	720	691	722	503	98	1769	1752	95	1769	2547	856
Capacity Analysis Module:												
Vol/Sat:	0.10	0.10	0.10	0.17	0.17	0.17	0.01	0.29	0.29	0.02	0.15	0.15
Crit Moves:				****			****			****		
Green/Cycle:	0.33	0.33	0.33	0.33	0.33	0.33	0.05	0.54	0.54	0.03	0.53	0.53
Volume/Cap:	0.32	0.32	0.32	0.52	0.52	0.52	0.28	0.52	0.52	0.52	0.28	0.28
Delay/Veh:	25.4	25.4	25.4	28.3	28.3	28.3	47.6	15.0	15.0	55.5	13.0	13.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	25.4	25.4	25.4	28.3	28.3	28.3	47.6	15.0	15.0	55.5	13.0	13.0
DesignQueue:	1	3	3	5	3	1	1	14	1	2	10	3

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 PM

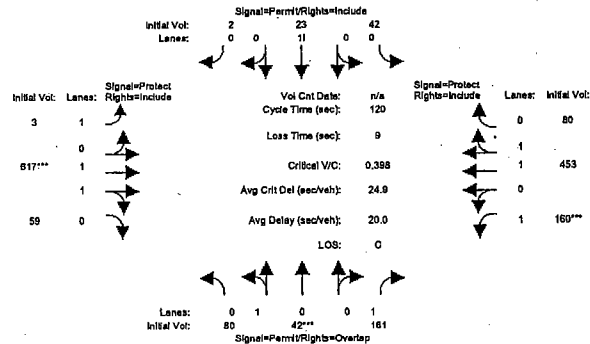
Intersection #8: SR 1/Western [N/S: Western E/W: SR 1]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	25	64	56	125	82	17	23	500	27	25	375	126
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	25	64	56	125	82	17	23	500	27	25	375	126
Added Vol:	0	25	36	0	14	1	2	0	0	20	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	25	89	92	125	96	18	25	500	27	45	375	126
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	25	89	92	125	96	18	25	500	27	45	375	126
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	25	89	92	125	96	18	25	500	27	45	375	126
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	25	89	92	125	96	18	25	500	27	45	375	126
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.87	0.87	0.87	0.68	0.68	0.68	0.93	0.97	0.97	0.93	0.90	0.90
Lanes:	0.12	0.43	0.45	0.52	0.40	0.08	1.00	0.95	0.05	1.00	1.50	0.50
Final Sat.:	202	718	742	671	515	97	1769	1752	95	1769	2547	856
Capacity Analysis Module:												
Vol/Sat:	0.12	0.12	0.12	0.19	0.19	0.19	0.01	0.29	0.29	0.03	0.15	0.15
Crit Moves:				****			****			****		
Green/Cycle:	0.34	0.34	0.34	0.34	0.34	0.34	0.05	0.52	0.52	0.05	0.52	0.52
Volume/Cap:	0.36	0.36	0.36	0.55	0.55	0.55	0.28	0.55	0.55	0.55	0.28	0.28
Delay/Veh:	25.2	25.2	25.2	28.1	28.1	28.1	47.6	16.6	16.6	54.1	13.6	13.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	25.2	25.2	25.2	28.1	28.1	28.1	47.6	16.6	16.6	54.1	13.6	13.6
DesignQueue:	1	3	3	5	4	1	1	14	1	2	10	3

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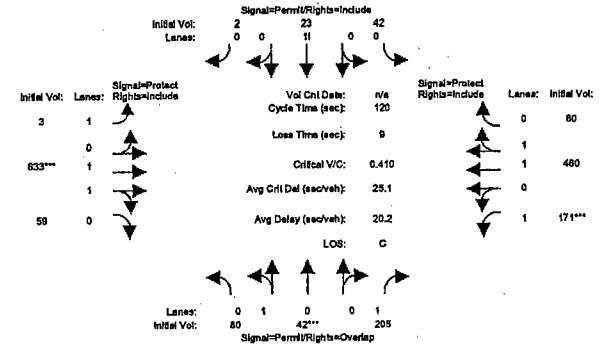
Intersection #9: SR 1/Swift [N/S: Swift E/W: SR 1]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	80	42	181	42	23	2	3	617	59	160	453	80
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	80	42	181	42	23	2	3	617	59	160	453	80
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	80	42	181	42	23	2	3	617	59	160	453	80
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	80	42	181	42	23	2	3	617	59	160	453	80
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	80	42	181	42	23	2	3	617	59	160	453	80
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	80	42	181	42	23	2	3	617	59	160	453	80
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.76	0.76	0.83	0.77	0.77	0.77	0.93	0.92	0.92	0.93	0.91	0.91
Lanes:	0.66	0.34	1.00	0.63	0.34	0.03	1.00	1.83	0.17	1.00	1.70	0.30
Final Sat.:	947	497	1583	917	502	44	1769	3187	305	1769	2941	519
Capacity Analysis Module:												
Vol/Sat:	0.08	0.08	0.11	0.05	0.05	0.05	0.00	0.19	0.19	0.09	0.15	0.15
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.21	0.21	0.44	0.21	0.21	0.21	0.01	0.49	0.49	0.23	0.71	0.71
Volume/Cap:	0.40	0.40	0.26	0.22	0.22	0.22	0.22	0.40	0.40	0.40	0.22	0.22
Delay/Veh:	41.6	41.6	21.5	39.4	39.4	39.4	67.1	19.8	19.8	40.1	6.2	6.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	41.6	41.6	21.5	39.4	39.4	39.4	67.1	19.8	19.8	40.1	6.2	6.2
DesignQueue:	4	2	7	2	1	0	0	22	2	8	9	2

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Intersection #9: SR 1/Swift [N/S: Swift E/W: SR 1]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	80	42	181	42	23	2	3	617	59	160	453	80
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	80	42	181	42	23	2	3	617	59	160	453	80
Added Vol:	0	0	24	0	0	0	0	16	0	0	11	7
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	80	42	205	42	23	2	3	633	59	171	460	80
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	80	42	205	42	23	2	3	633	59	171	460	80
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	80	42	205	42	23	2	3	633	59	171	460	80
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	80	42	205	42	23	2	3	633	59	171	460	80
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.76	0.76	0.83	0.77	0.77	0.77	0.93	0.92	0.92	0.93	0.91	0.91
Lanes:	0.66	0.34	1.00	0.63	0.34	0.03	1.00	1.83	0.17	1.00	1.70	0.30
Final Sat.:	946	497	1583	916	502	44	1769	3194	298	1769	2947	513
Capacity Analysis Module:												
Vol/Sat:	0.08	0.08	0.13	0.05	0.05	0.05	0.00	0.20	0.20	0.10	0.16	0.16
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.21	0.21	0.44	0.21	0.21	0.21	0.01	0.48	0.48	0.24	0.71	0.71
Volume/Cap:	0.41	0.41	0.29	0.22	0.22	0.22	0.22	0.41	0.41	0.41	0.22	0.22
Delay/Veh:	42.2	42.2	21.7	40.0	40.0	40.0	67.1	20.2	20.2	39.5	6.0	6.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	42.2	42.2	21.7	40.0	40.0	40.0	67.1	20.2	20.2	39.5	6.0	6.0
DesignQueue:	4	2	7	2	1	0	0	23	2	9	9	2

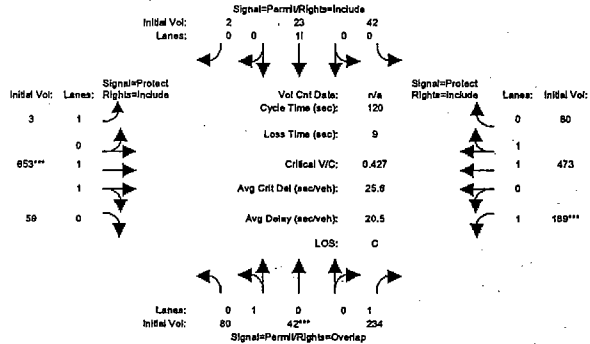


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Intersection #9: SR 1/Swift [N/S: Swift E/W: SR 1]



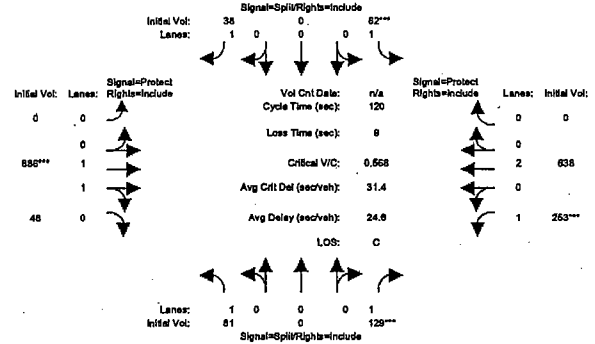
Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	T	R	R	L	T	R	R	L	T	R	R	L	T	R	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:																
Base Vol:	80	42	181	42	23	2	3	617	59	160	453	80	1.00	1.00	1.00	1.00
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	80	42	181	42	23	2	3	617	59	160	453	80				
Added Vol:	0	0	53	0	0	0	0	36	0	29	20	0				
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0				
Initial Fut:	80	42	234	42	23	2	3	653	59	189	473	80				
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	80	42	234	42	23	2	3	653	59	189	473	80				
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0				
Reduced Vol:	80	42	234	42	23	2	3	653	59	189	473	80				
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	80	42	234	42	23	2	3	653	59	189	473	80				
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.76	0.76	0.83	0.77	0.77	0.77	0.93	0.92	0.92	0.93	0.91	0.91	0.93	0.92	0.92	0.93
Lanes:	0.66	0.34	1.00	0.63	0.34	0.03	1.00	1.83	0.17	1.00	1.71	0.29	1.00	2.00	0.00	0.00
Final Sat.:	944	496	1583	914	500	44	1769	3206	290	1769	2959	501				
Capacity Analysis Module:																
Vol/Sat:	0.08	0.08	0.15	0.05	0.05	0.05	0.00	0.20	0.20	0.11	0.16	0.16				
Crit Moves:	****															
Green/Cycle:	0.20	0.20	0.45	0.20	0.20	0.20	0.01	0.48	0.48	0.25	0.72	0.72				
Volume/Cap:	0.43	0.43	0.33	0.23	0.23	0.23	0.22	0.43	0.43	0.43	0.22	0.22				
Delay/Veh:	43.2	43.2	21.7	40.8	40.8	40.8	67.4	20.8	20.8	38.5	5.7	5.7				
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
AdjDel/Veh:	43.2	43.2	21.7	40.8	40.8	40.8	67.4	20.8	20.8	38.5	5.7	5.7				
DesignQueue:	4	2	9	2	1	0	0	24	2	10	9	2				

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Intersection #10: Mission/Almar [N/S: Almar E/W: Mission]



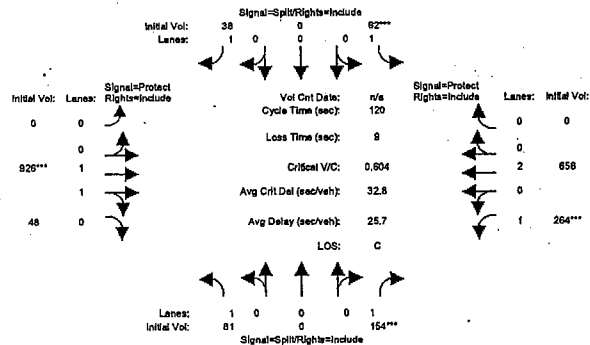
Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	T	R	R	L	T	R	R	L	T	R	R	L	T	R	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:																
Base Vol:	81	0	129	62	0	38	0	886	48	253	638	0	1.00	1.00	1.00	1.00
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	81	0	129	62	0	38	0	886	48	253	638	0				
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0				
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0				
Initial Fut:	81	0	129	62	0	38	0	886	48	253	638	0				
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	81	0	129	62	0	38	0	886	48	253	638	0				
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0				
Reduced Vol:	81	0	129	62	0	38	0	886	48	253	638	0				
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	81	0	129	62	0	38	0	886	48	253	638	0				
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	1.00	0.83	0.93	1.00	0.83	1.00	0.92	0.92	0.93	0.93	1.00	0.93	0.93	1.00	1.00
Lanes:	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.90	0.10	1.00	2.00	0.00	1.00	2.00	0.00	0.00
Final Sat.:	1769	0	1583	1769	0	1583	0	3329	180	1769	3538	0				
Capacity Analysis Module:																
Vol/Sat:	0.05	0.00	0.08	0.04	0.00	0.02	0.00	0.27	0.27	0.14	0.18	0.00				
Crit Moves:	****															
Green/Cycle:	0.14	0.00	0.14	0.06	0.00	0.06	0.00	0.47	0.47	0.25	0.72	0.00				
Volume/Cap:	0.32	0.00	0.57	0.57	0.00	0.39	0.00	0.57	0.57	0.57	0.25	0.00				
Delay/Veh:	46.9	0.0	51.3	61.7	0.0	56.7	0.0	23.6	23.6	40.9	5.8	0.0				
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
AdjDel/Veh:	46.9	0.0	51.3	61.7	0.0	56.7	0.0	23.6	23.6	40.9	5.8	0.0				
DesignQueue:	5	0	8	4	0	2	0	34	2	13	12	0				

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Ex - Ph 1 PM

Intersection #10: Mission/Almar [N/S: Almar E/W: Mission]



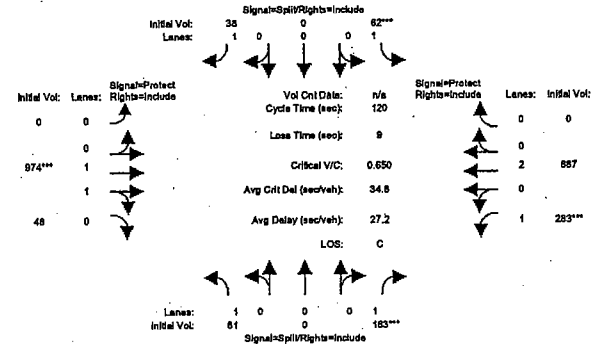
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	81	0	129	62	0	38	0	886	48	253	638	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	81	0	129	62	0	38	0	886	48	253	638	0
Added Vol:	0	0	25	0	0	0	0	40	0	11	18	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	81	0	154	62	0	38	0	926	48	264	656	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	81	0	154	62	0	38	0	926	48	264	656	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	81	0	154	62	0	38	0	926	48	264	656	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MIF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	81	0	154	62	0	38	0	926	48	264	656	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	1.00	0.83	0.93	1.00	0.83	1.00	0.92	0.92	0.93	0.93	1.00
Lanes:	1.00	0.00	1.00	1.00	0.00	1.00	0.00	1.90	0.10	1.00	2.00	0.00
Final Sat.:	1769	0	1583	1769	0	1583	0	3340	173	1769	3538	0
Capacity Analysis Module:												
Vol/Sat:	0.05	0.00	0.10	0.04	0.00	0.02	0.00	0.28	0.28	0.15	0.19	0.00
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.16	0.00	0.16	0.06	0.00	0.06	0.00	0.46	0.46	0.25	0.71	0.00
Volume/Cap:	0.28	0.00	0.60	0.60	0.00	0.41	0.00	0.60	0.60	0.60	0.26	0.00
Delay/Veh:	44.8	0.0	50.9	65.0	0.0	57.6	0.0	25.0	25.0	42.4	6.4	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	44.8	0.0	50.9	65.0	0.0	57.6	0.0	25.0	25.0	42.4	6.4	0.0
DesignQueue:	5	0	9	4	0	2	0	36	2	14	13	0

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Level of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex - Ph 1 + Ph 2 PM

Intersection #10: Mission/Almar [N/S: Almar E/W: Mission]



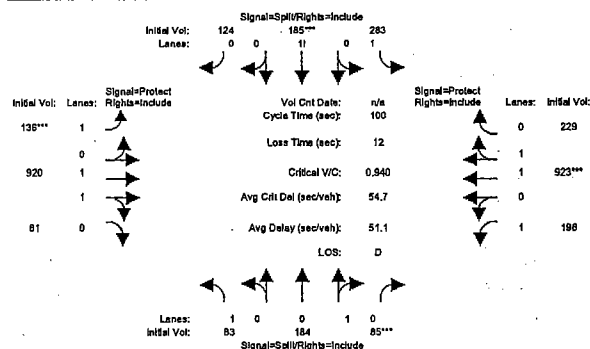
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	81	0	129	62	0	38	0	886	48	253	638	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	81	0	129	62	0	38	0	886	48	253	638	0
Added Vol:	0	0	54	0	0	0	0	88	0	30	49	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	81	0	183	62	0	38	0	974	48	283	687	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	81	0	183	62	0	38	0	974	48	283	687	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	81	0	183	62	0	38	0	974	48	283	687	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MIF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	81	0	183	62	0	38	0	974	48	283	687	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	1.00	0.83	0.93	1.00	0.83	1.00	0.92	0.92	0.93	0.93	1.00
Lanes:	1.00	0.00	1.00	1.00	0.00	1.00	0.00	1.91	0.09	1.00	2.00	0.00
Final Sat.:	1769	0	1583	1769	0	1583	0	3348	165	1769	3538	0
Capacity Analysis Module:												
Vol/Sat:	0.05	0.00	0.12	0.04	0.00	0.02	0.00	0.29	0.29	0.16	0.19	0.00
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.18	0.00	0.18	0.05	0.00	0.05	0.00	0.45	0.45	0.25	0.69	0.00
Volume/Cap:	0.26	0.00	0.65	0.65	0.00	0.45	0.00	0.65	0.65	0.65	0.28	0.00
Delay/Veh:	42.9	0.0	51.2	70.4	0.0	58.7	0.0	26.8	26.8	44.1	7.1	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	42.9	0.0	51.2	70.4	0.0	58.7	0.0	26.8	26.8	44.1	7.1	0.0
DesignQueue:	4	0	10	4	0	2	0	39	2	15	15	0

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Exhibing PM

Intersection #11: Mission/Bay [N/S: Bay E/W: Mission]



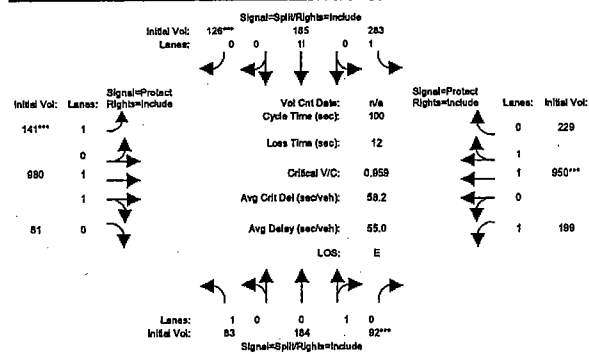
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	83	184	85	283	185	124	136	920	81	196	923	229
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	83	184	85	283	185	124	136	920	81	196	923	229
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	83	184	85	283	185	124	136	920	81	196	923	229
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	83	184	85	283	185	124	136	920	81	196	923	229
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	83	184	85	283	185	124	136	920	81	196	923	229
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	83	184	85	283	185	124	136	920	81	196	923	229
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.91	0.92	0.92	0.91	0.91	0.91	0.93	0.92	0.92	0.93	0.90	0.90
Lanes:	1.00	0.68	0.32	1.31	0.41	0.28	1.00	1.84	0.16	1.00	1.60	0.40
Final Sat.:	1736	1191	550	2274	711	476	1769	3213	283	1769	2750	682
Capacity Analysis Module:												
Vol/Sat:	0.05	0.15	0.15	0.12	0.26	0.26	0.08	0.29	0.29	0.11	0.34	0.34
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.16	0.16	0.16	0.28	0.28	0.28	0.08	0.32	0.32	0.12	0.36	0.36
Volume/Cap:	0.29	0.94	0.94	0.45	0.94	0.94	0.91	0.91	0.91	0.91	0.94	0.94
Delay/Veh:	37.2	78.7	78.7	30.1	57.6	57.6	102.5	43.3	43.3	79.6	44.9	44.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.2	78.7	78.7	30.1	57.6	57.6	102.5	43.3	43.3	79.6	44.9	44.9
DesignQueue:	4	9	4	12	8	5	7	38	3	10	36	9

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex + Ph 1 PM

Intersection #11: Mission/Bay [N/S: Bay E/W: Mission]

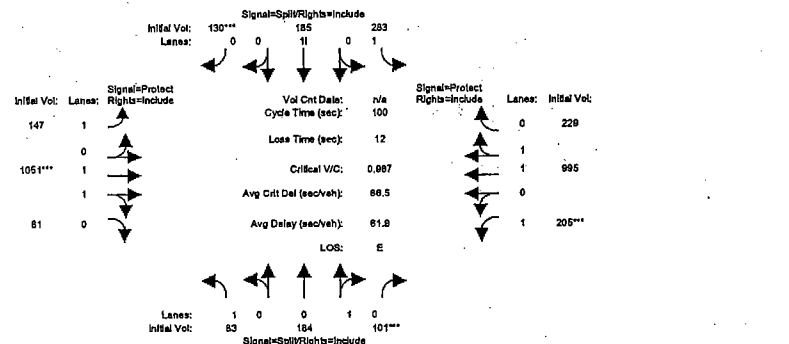


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	83	184	85	283	185	124	136	920	81	196	923	229
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	83	184	85	283	185	124	136	920	81	196	923	229
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	83	184	92	283	185	126	141	980	81	199	950	229
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	83	184	92	283	185	126	141	980	81	199	950	229
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	83	184	92	283	185	126	141	980	81	199	950	229
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	83	184	92	283	185	126	141	980	81	199	950	229
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.91	0.91	0.91	0.91	0.91	0.91	0.93	0.92	0.92	0.93	0.90	0.90
Lanes:	1.00	0.67	0.33	1.31	0.41	0.28	1.00	1.85	0.15	1.00	1.61	0.39
Final Sat.:	1736	1158	579	2269	707	481	1769	3232	267	1769	2768	667
Capacity Analysis Module:												
Vol/Sat:	0.05	0.16	0.16	0.12	0.26	0.26	0.08	0.30	0.30	0.11	0.34	0.34
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.17	0.17	0.17	0.27	0.27	0.27	0.08	0.32	0.32	0.12	0.36	0.36
Volume/Cap:	0.29	0.96	0.96	0.46	0.96	0.96	0.96	0.94	0.94	0.94	0.96	0.96
Delay/Veh:	37.1	83.1	83.1	30.4	61.9	61.9	107.2	48.0	48.0	89.5	48.1	48.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.1	83.1	83.1	30.4	61.9	61.9	107.2	48.0	48.0	89.5	48.1	48.1
DesignQueue:	4	9	4	12	8	5	7	40	3	10	37	9

Marine Science Center  
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Level of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex - Ph 1 - Ph 2 PM

Intersection #11: Mission/Bay [N/S: Bay E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	83	184	85	283	185	124	136	920	81	196	923	229
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	83	184	85	283	185	124	136	920	81	196	923	229
Added Vol:	0	0	16	0	0	6	11	131	0	9	72	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	83	184	101	283	185	130	147	1051	81	205	995	229
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	83	184	101	283	185	130	147	1051	81	205	995	229
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	83	184	101	283	185	130	147	1051	81	205	995	229
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	83	184	101	283	185	130	147	1051	81	205	995	229

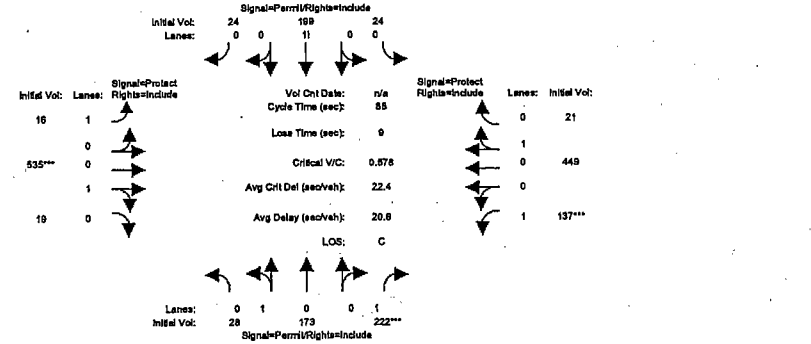
Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.91	0.91	0.91	0.91	0.91	0.91	0.93	0.92	0.92	0.93	0.90	0.90
Lanes:	1.00	0.65	0.35	1.31	0.41	0.28	1.00	1.86	0.14	1.00	1.63	0.37
Final Sat.:	1736	1118	613	2262	700	492	1769	3249	250	1769	2795	643

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.05	0.26	0.16	0.13	0.26	0.26	0.08	0.32	0.32	0.12	0.36	0.36
Crit Moves:	****			****			****			****		
Green/Cycle:	0.17	0.17	0.17	0.27	0.27	0.27	0.08	0.33	0.33	0.12	0.36	0.36
Volume/Cap:	0.29	0.99	0.99	0.47	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
Delay/Veh:	37.0	90.7	90.7	30.9	69.5	69.5	115.0	56.7	56.7	102.5	53.8	53.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.0	90.7	90.7	30.9	69.5	69.5	115.0	56.7	56.7	102.5	53.8	53.8
DesignQueue:	4	9	5	12	8	6	8	43	3	10	39	9

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Existing PM

Intersection #12: Laurel/California [N/S: California E/W: Laurel]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	28	173	222	24	199	24	16	535	19	137	449	21
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	28	173	222	24	199	24	16	535	19	137	449	21
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	28	173	222	24	199	24	16	535	19	137	449	21
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	28	173	222	24	199	24	16	535	19	137	449	21
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	28	173	222	24	199	24	16	535	19	137	449	21
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	28	173	222	24	199	24	16	535	19	137	449	21

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.91	0.91	0.83	0.93	0.93	0.93	0.93	0.98	0.98	0.93	0.97	0.97
Lanes:	0.14	0.86	1.00	0.10	0.80	0.10	1.00	0.97	0.03	1.00	0.96	0.04
Final Sat.:	242	1495	1583	171	1420	171	1769	1789	64	1769	1766	83

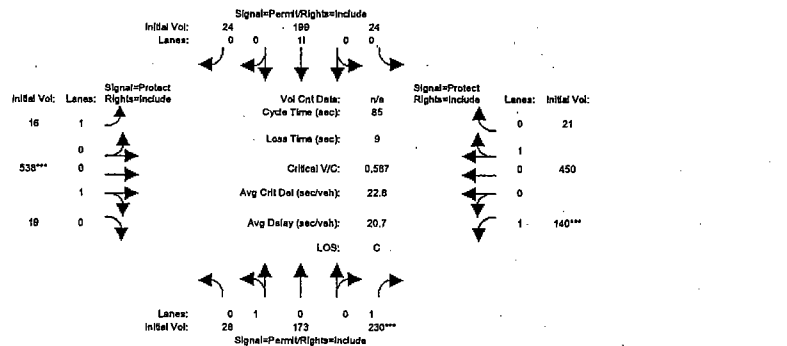
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.12	0.12	0.14	0.14	0.14	0.14	0.01	0.30	0.30	0.08	0.25	0.25
Crit Moves:	****			****			****			****		
Green/Cycle:	0.24	0.24	0.24	0.24	0.24	0.24	0.02	0.52	0.52	0.13	0.63	0.63
Volume/Cap:	0.48	0.48	0.58	0.58	0.58	0.58	0.40	0.58	0.58	0.58	0.40	0.40
Delay/Veh:	28.4	28.4	30.5	30.3	30.3	30.3	47.6	15.0	15.0	38.1	8.1	8.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	28.4	28.4	30.5	30.3	30.3	30.3	47.6	15.0	15.0	38.1	8.1	8.1
DesignQueue:	1	6	8	1	7	1	1	13	0	6	8	0

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Level Of Service Computation Report  
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Ex \* Ph 1 PM

Intersection #12: Laurel/California [N/S: California E/W: Laurel]



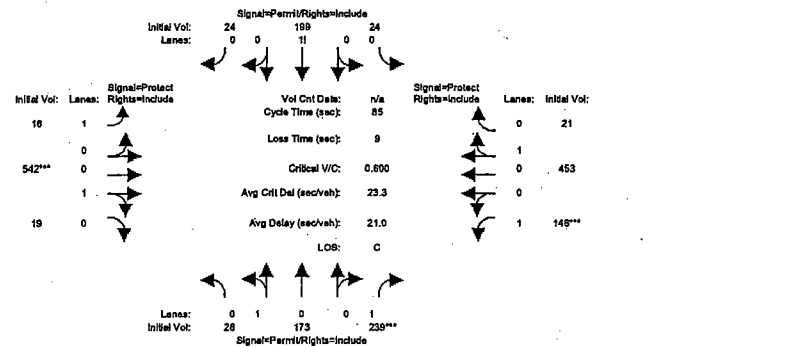
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	28	173	222	24	199	24	16	535	19	137	449	21
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	28	173	222	24	199	24	16	535	19	137	449	21
Added Vol:	0	0	8	0	0	0	0	3	0	3	1	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	28	173	230	24	199	24	16	538	19	140	450	21
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	28	173	230	24	199	24	16	538	19	140	450	21
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	28	173	230	24	199	24	16	538	19	140	450	21
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	28	173	230	24	199	24	16	538	19	140	450	21
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.92	0.83	0.93	0.93	0.93	0.93	0.98	0.98	0.93	0.97	0.97
Lanes:	0.14	0.86	1.00	0.10	0.80	0.10	1.00	0.97	0.03	1.00	0.96	0.04
Final Sat.:	243	1500	1583	171	1420	171	1769	1789	63	1769	1767	82
Capacity Analysis Module:												
Vol/Sat:	0.12	0.12	0.15	0.14	0.14	0.14	0.01	0.30	0.30	0.08	0.25	0.25
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.25	0.25	0.25	0.25	0.25	0.25	0.02	0.51	0.51	0.13	0.62	0.62
Volume/Cap:	0.47	0.47	0.59	0.57	0.57	0.57	0.41	0.59	0.59	0.59	0.41	0.41
Delay/Veh:	28.0	28.0	30.5	29.7	29.7	29.7	47.8	15.4	15.4	38.3	8.3	8.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	28.0	28.0	30.5	29.7	29.7	29.7	47.8	15.4	15.4	38.3	8.3	8.3
DesignQueue:	1	6	8	1	7	1	1	13	0	6	9	0

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Ex \* Ph 1 \* Ph 2 PM

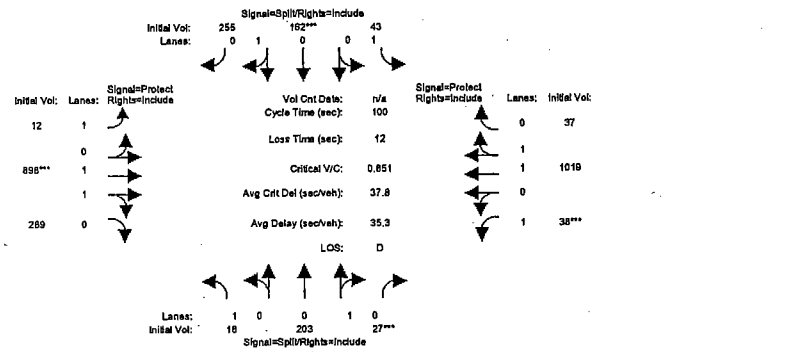
Intersection #12: Laurel/California [N/S: California E/W: Laurel]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	28	173	222	24	199	24	16	535	19	137	449	21
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	28	173	222	24	199	24	16	535	19	137	449	21
Added Vol:	0	0	17	0	0	0	0	7	0	9	4	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	28	173	239	24	199	24	16	542	19	146	453	21
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	28	173	239	24	199	24	16	542	19	146	453	21
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	28	173	239	24	199	24	16	542	19	146	453	21
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	28	173	239	24	199	24	16	542	19	146	453	21
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.92	0.83	0.93	0.93	0.93	0.93	0.98	0.98	0.93	0.97	0.97
Lanes:	0.14	0.86	1.00	0.10	0.80	0.10	1.00	0.97	0.03	1.00	0.96	0.04
Final Sat.:	244	1505	1583	171	1420	171	1769	1790	63	1769	1767	82
Capacity Analysis Module:												
Vol/Sat:	0.11	0.11	0.15	0.14	0.14	0.14	0.01	0.30	0.30	0.08	0.26	0.26
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.25	0.25	0.25	0.25	0.25	0.25	0.02	0.50	0.50	0.14	0.62	0.62
Volume/Cap:	0.46	0.46	0.60	0.56	0.56	0.56	0.41	0.60	0.60	0.60	0.41	0.41
Delay/Veh:	27.6	27.6	30.6	29.2	29.2	29.2	48.0	16.0	16.0	38.6	8.5	8.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	27.6	27.6	30.6	29.2	29.2	29.2	48.0	16.0	16.0	38.6	8.5	8.5
DesignQueue:	1	6	9	1	7	1	1	14	0	6	9	0

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Exhibit PH

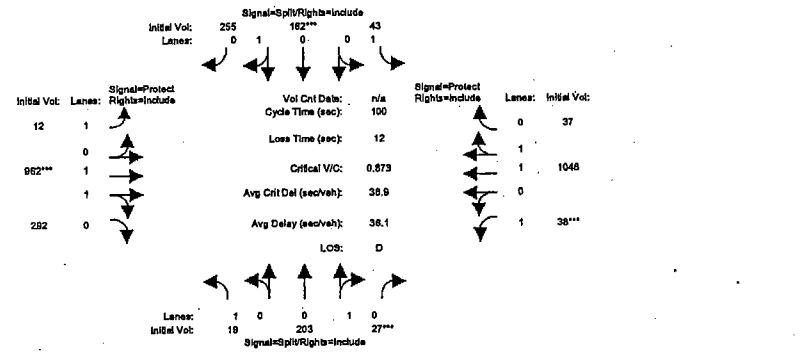
Intersection #13: Mission/Laurel [N/S: Laurel E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	18	203	27	43	162	255	12	898	289	38	1019	37
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	18	203	27	43	162	255	12	898	289	38	1019	37
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	18	203	27	43	162	255	12	898	289	38	1019	37
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	18	203	27	43	162	255	12	898	289	38	1019	37
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	203	27	43	162	255	12	898	289	38	1019	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	18	203	27	43	162	255	12	898	289	38	1019	37
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.96	0.96	0.93	0.89	0.89	0.91	0.88	0.88	0.91	0.91	0.91
Lanes:	1.00	0.88	0.12	1.00	0.39	0.61	1.00	1.51	0.49	1.00	1.93	0.07
Final Sat.:	1769	1614	215	1769	657	1034	1736	2533	815	1736	3334	121
Capacity Analysis Module:												
Vol/Sat:	0.01	0.13	0.13	0.02	0.25	0.25	0.01	0.35	0.35	0.02	0.31	0.31
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.15	0.15	0.15	0.29	0.29	0.29	0.01	0.42	0.42	0.03	0.43	0.43
Volume/Cap:	0.07	0.85	0.85	0.08	0.85	0.85	0.71	0.85	0.85	0.85	0.71	0.71
Delay/Veh:	36.8	63.4	63.4	25.9	46.8	46.8	134.5	31.6	31.6	128.5	24.8	24.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	36.8	63.4	63.4	25.9	46.8	46.8	134.5	31.6	31.6	128.5	24.8	24.8
DesignQueue:	1	10	1	2	7	11	1	32	10	2	35	1

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Ex - Ph 1 PM

Intersection #13: Mission/Laurel [N/S: Laurel E/W: Mission]



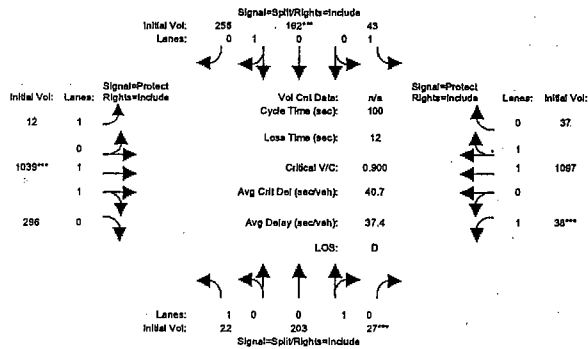
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	18	203	27	43	162	255	12	898	289	38	1019	37
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	18	203	27	43	162	255	12	898	289	38	1019	37
Added Vol:	1	0	0	0	0	0	0	0	0	0	64	3
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	19	203	27	43	162	255	12	962	292	38	1048	37
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	19	203	27	43	162	255	12	962	292	38	1048	37
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	203	27	43	162	255	12	962	292	38	1048	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	19	203	27	43	162	255	12	962	292	38	1048	37
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.96	0.96	0.93	0.89	0.89	0.91	0.88	0.88	0.91	0.91	0.91
Lanes:	1.00	0.88	0.12	1.00	0.39	0.61	1.00	1.53	0.47	1.00	1.93	0.07
Final Sat.:	1769	1614	215	1769	657	1034	1736	2571	780	1736	3338	118
Capacity Analysis Module:												
Vol/Sat:	0.01	0.13	0.13	0.02	0.25	0.25	0.01	0.37	0.37	0.02	0.31	0.31
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.14	0.14	0.14	0.28	0.28	0.28	0.01	0.43	0.43	0.03	0.44	0.44
Volume/Cap:	0.07	0.87	0.87	0.09	0.87	0.87	0.71	0.87	0.87	0.87	0.71	0.71
Delay/Veh:	37.2	67.7	67.7	26.5	50.3	50.3	135.0	32.3	32.3	137.4	24.1	24.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.2	67.7	67.7	26.5	50.3	50.3	135.0	32.3	32.3	137.4	24.1	24.1
DesignQueue:	1	10	1	2	7	11	1	33	10	2	35	1

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Intersection #13: Mission/Laurel [N/S: Laurel E/W: Mission]



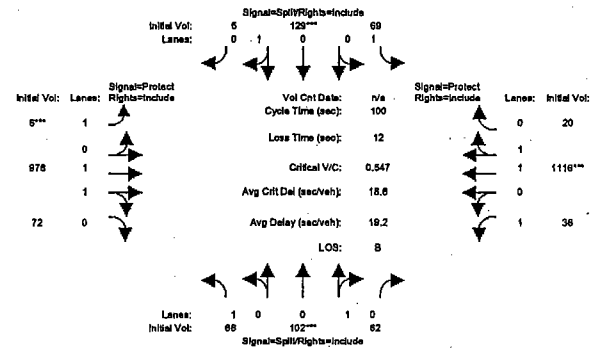
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	18	203	27	43	162	255	12	898	289	38	1019	37
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Base:	18	203	27	43	162	255	12	898	289	38	1019	37
Added Vol:	4	0	0	0	0	0	0	141	7	0	78	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	22	203	27	43	162	255	12	1039	296	38	1097	37
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	22	203	27	43	162	255	12	1039	296	38	1097	37
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	203	27	43	162	255	12	1039	296	38	1097	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	22	203	27	43	162	255	12	1039	296	38	1097	37
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.96	0.96	0.93	0.89	0.89	0.91	0.88	0.88	0.91	0.91	0.91
Lanes:	1.00	0.88	0.12	1.00	0.39	0.61	1.00	1.56	0.44	1.00	1.93	0.07
Final Sat.:	1769	1614	215	1769	657	1034	1736	2614	745	1736	3343	113
Capacity Analysis Module:												
Vol/Sat:	0.01	0.13	0.13	0.02	0.25	0.25	0.01	0.40	0.40	0.02	0.33	0.33
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.14	0.14	0.14	0.27	0.27	0.27	0.01	0.44	0.44	0.02	0.46	0.46
Volume/Cap:	0.09	0.90	0.90	0.09	0.90	0.90	0.72	0.90	0.90	0.90	0.72	0.72
Delay/Veh:	37.6	73.7	73.7	27.1	55.2	55.2	140.3	33.7	33.7	148.6	23.6	23.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.6	73.7	73.7	27.1	55.2	55.2	140.3	33.7	33.7	148.6	23.6	23.6
DesignQueue:	1	10	1	2	7	11	1	36	10	2	36	1

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Existing PM

Intersection #14: Mission/Walnut [N/S: Walnut E/W: Mission]



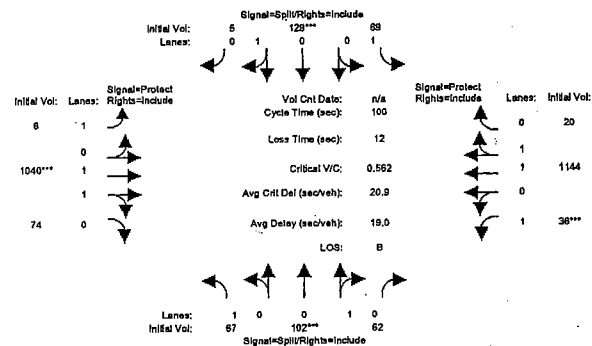
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	66	102	62	69	129	5	6	978	72	36	1116	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Base:	66	102	62	69	129	5	6	978	72	36	1116	20
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	66	102	62	69	129	5	6	978	72	36	1116	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	66	102	62	69	129	5	6	978	72	36	1116	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	66	102	62	69	129	5	6	978	72	36	1116	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	66	102	62	69	129	5	6	978	72	36	1116	20
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.94	0.94	0.95	0.99	0.99	0.95	0.94	0.94	0.95	0.95	0.95
Lanes:	1.00	0.62	0.38	1.00	0.96	0.04	1.00	1.86	0.14	1.00	1.96	0.04
Final Sat.:	1805	1114	677	1805	1818	70	1805	3329	245	1805	3536	63
Capacity Analysis Module:												
Vol/Sat:	0.04	0.09	0.09	0.04	0.07	0.07	0.00	0.29	0.29	0.02	0.32	0.32
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.17	0.17	0.17	0.13	0.13	0.13	0.01	0.55	0.55	0.04	0.58	0.58
Volume/Cap:	0.22	0.55	0.55	0.29	0.55	0.55	0.55	0.54	0.54	0.54	0.55	0.55
Delay/Veh:	36.4	40.3	40.3	40.1	43.4	43.4	97.0	14.9	14.9	55.8	13.4	13.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	36.4	40.3	40.3	40.1	43.4	43.4	97.0	14.9	14.9	55.8	13.4	13.4
DesignQueue:	3	5	3	3	3	0	0	27	2	2	28	1

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Ex - Ph 1 PM

Intersection #14: Mission/Walnut (N/S: Walnut E/W: Mission)



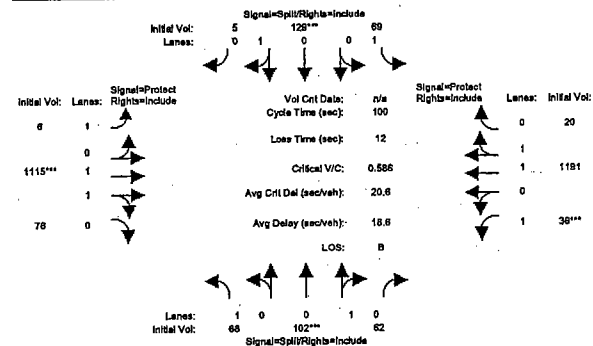
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	66	102	62	69	129	5	6	978	72	36	1116	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	66	102	62	69	129	5	6	978	72	36	1116	20
Added Vol:	1	0	0	0	0	0	0	62	2	0	28	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	67	102	62	69	129	5	6	1040	74	36	1144	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	67	102	62	69	129	5	6	1040	74	36	1144	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	67	102	62	69	129	5	6	1040	74	36	1144	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	67	102	62	69	129	5	6	1040	74	36	1144	20
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.94	0.94	0.95	0.99	0.99	0.95	0.94	0.94	0.95	0.95	0.95
Lanes:	1.00	0.62	0.38	1.00	0.96	0.04	1.00	1.87	0.13	1.00	1.97	0.03
Final Sat.:	1805	1114	677	1805	1818	70	1805	3336	237	1805	3537	62
Capacity Analysis Module:												
Vol/Sat:	0.04	0.09	0.09	0.04	0.07	0.07	0.00	0.31	0.31	0.02	0.32	0.32
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.16	0.16	0.16	0.13	0.13	0.13	0.01	0.56	0.56	0.04	0.58	0.58
Volume/Cap:	0.23	0.56	0.56	0.30	0.56	0.56	0.56	0.55	0.56	0.56	0.55	0.55
Delay/Veh:	36.8	41.0	41.0	40.4	44.1	44.1	99.7	14.7	14.7	58.3	13.1	13.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	36.8	41.0	41.0	40.4	44.1	44.1	99.7	14.7	14.7	58.3	13.1	13.1
DesignQueue:	3	5	3	3	6	0	0	28	2	2	29	1

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Ex - Ph 1 + Ph 2 PM

Intersection #14: Mission/Walnut (N/S: Walnut E/W: Mission)



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	66	102	62	69	129	5	6	978	72	36	1116	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	66	102	62	69	129	5	6	978	72	36	1116	20
Added Vol:	2	0	0	0	0	0	0	137	4	0	75	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	68	102	62	69	129	5	6	1115	76	36	1191	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	68	102	62	69	129	5	6	1115	76	36	1191	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	68	102	62	69	129	5	6	1115	76	36	1191	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	68	102	62	69	129	5	6	1115	76	36	1191	20
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.94	0.94	0.95	0.99	0.99	0.95	0.94	0.94	0.95	0.95	0.95
Lanes:	1.00	0.62	0.38	1.00	0.96	0.04	1.00	1.87	0.13	1.00	1.97	0.03
Final Sat.:	1805	1114	677	1805	1818	70	1805	3346	228	1805	3540	59
Capacity Analysis Module:												
Vol/Sat:	0.04	0.09	0.09	0.04	0.07	0.07	0.00	0.33	0.33	0.02	0.34	0.34
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.16	0.16	0.16	0.12	0.12	0.12	0.01	0.57	0.57	0.03	0.60	0.60
Volume/Cap:	0.24	0.59	0.59	0.32	0.59	0.59	0.56	0.59	0.59	0.59	0.56	0.56
Delay/Veh:	37.4	42.4	42.4	41.0	45.5	45.5	104.6	14.4	14.4	61.4	12.6	12.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.4	42.4	42.4	41.0	45.5	45.5	104.6	14.4	14.4	61.4	12.6	12.6
DesignQueue:	3	5	3	3	6	0	0	29	2	2	29	0

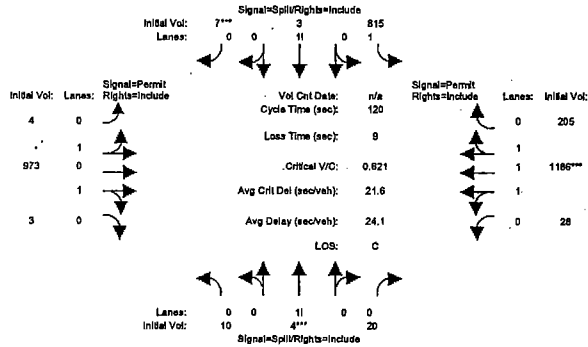


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Intersection #15: Mission/Union [N/S: Union E/W: Mission]



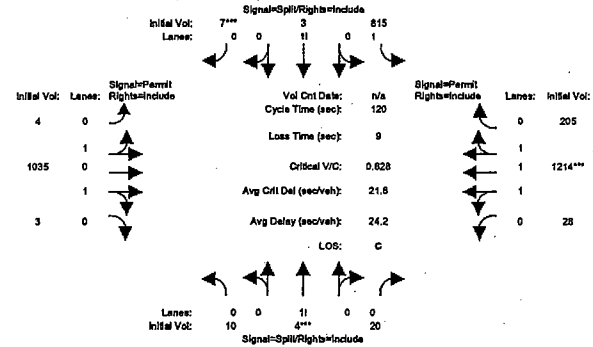
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	10	4	20	815	3	7	4	973	3	28	1186	205
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Base:	10	4	20	815	3	7	4	973	3	28	1186	205
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	10	4	20	815	3	7	4	973	3	28	1186	205
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	10	4	20	815	3	7	4	973	3	28	1186	205
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	10	4	20	815	3	7	4	973	3	28	1186	205
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	10	4	20	815	3	7	4	973	3	28	1186	205
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.89	0.89	0.89	0.93	0.93	0.93	0.88	0.88	0.88	0.78	0.78	0.78
Lanes:	0.29	0.12	0.59	1.97	0.01	0.02	0.01	1.98	0.01	0.06	2.51	0.43
Final Sat.:	497	199	995	3503	13	30	14	3333	10	88	3723	644
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.02	0.23	0.24	0.24	0.29	0.29	0.29	0.32	0.32	0.32
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.03	0.03	0.03	0.38	0.38	0.38	0.51	0.51	0.51	0.51	0.51	0.51
Volume/Cap:	0.62	0.62	0.62	0.61	0.62	0.62	0.57	0.57	0.57	0.62	0.62	0.62
Delay/Veh:	77.2	77.2	77.2	31.0	31.1	31.1	20.5	20.5	20.5	21.4	21.4	21.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	77.2	77.2	77.2	31.0	31.1	31.1	20.5	20.5	20.5	21.4	21.4	21.4
DesignQueue:	1	0	1	36	0	0	0	34	0	1	41	7

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Ex + Ph 1 PM

Intersection #15: Mission/Union [N/S: Union E/W: Mission]



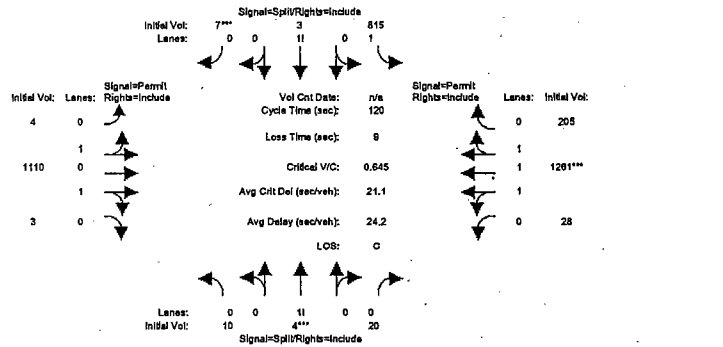
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	10	4	20	815	3	7	4	973	3	28	1186	205
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Base:	10	4	20	815	3	7	4	973	3	28	1186	205
Added Vol:	0	0	0	0	0	0	0	62	0	0	28	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	10	4	20	815	3	7	4	1035	3	28	1214	205
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	10	4	20	815	3	7	4	1035	3	28	1214	205
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	10	4	20	815	3	7	4	1035	3	28	1214	205
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	10	4	20	815	3	7	4	1035	3	28	1214	205
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.89	0.89	0.89	0.93	0.93	0.93	0.88	0.88	0.88	0.78	0.78	0.78
Lanes:	0.29	0.12	0.59	1.97	0.01	0.02	0.01	1.98	0.01	0.06	2.52	0.42
Final Sat.:	497	199	995	3503	13	30	13	3335	10	86	3733	630
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.02	0.23	0.24	0.24	0.31	0.31	0.31	0.33	0.33	0.33
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.03	0.03	0.03	0.38	0.38	0.38	0.52	0.52	0.52	0.52	0.52	0.52
Volume/Cap:	0.63	0.63	0.63	0.62	0.63	0.63	0.60	0.60	0.60	0.63	0.63	0.63
Delay/Veh:	78.5	78.5	78.5	31.4	31.6	31.6	20.8	20.8	20.8	21.2	21.2	21.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	78.5	78.5	78.5	31.4	31.6	31.6	20.8	20.8	20.8	21.2	21.2	21.2
DesignQueue:	1	0	1	36	0	0	0	36	0	1	42	7

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 Ex + Ph 1 + Ph 2 PM

Intersection #15: Mission/Union (NS: Union E/W: Mission)



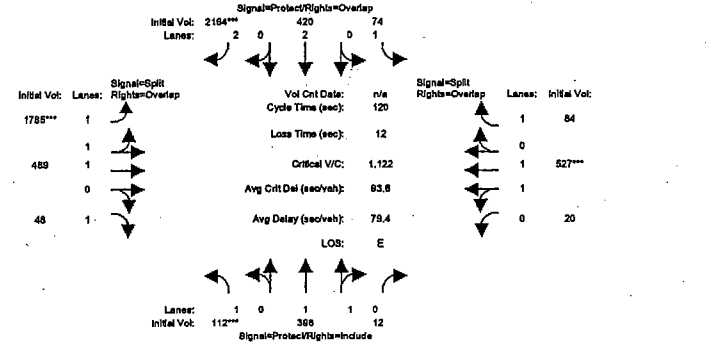
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	10	4	20	815	3	7	4	973	3	28	1186	205
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	10	4	20	815	3	7	4	973	3	28	1186	205
Added Vol:	0	0	0	0	0	0	0	137	0	0	75	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	10	4	20	815	3	7	4	1110	3	28	1261	205
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	10	4	20	815	3	7	4	1110	3	28	1261	205
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	10	4	20	815	3	7	4	1110	3	28	1261	205
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	10	4	20	815	3	7	4	1110	3	28	1261	205
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.89	0.89	0.89	0.93	0.93	0.93	0.88	0.88	0.88	0.77	0.77	0.77
Lanes:	0.29	0.12	0.59	1.97	0.01	0.02	0.01	1.98	0.01	0.06	2.53	0.41
Final Sat.:	497	199	995	3503	13	30	12	3336	9	82	3696	601
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.02	0.23	0.24	0.24	0.33	0.33	0.33	0.34	0.34	0.34
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.03	0.03	0.03	0.37	0.37	0.37	0.53	0.53	0.53	0.53	0.53	0.53
Volume/Cap:	0.65	0.65	0.65	0.64	0.65	0.65	0.63	0.63	0.63	0.65	0.65	0.65
Delay/Veh:	81.8	81.8	81.8	32.6	32.8	32.8	20.7	20.7	20.7	20.9	20.9	20.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	81.8	81.8	81.8	32.6	32.8	32.8	20.7	20.7	20.7	20.9	20.9	20.9
DesignQueue:	1	0	1	37	0	0	0	38	0	1	43	7

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 Existing PM

Intersection #16: Mission/Chestnut (NS: Chestnut E/W: Mission)



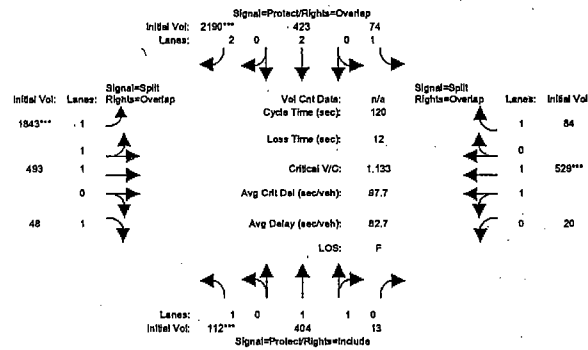
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	112	398	12	74	420	2164	1785	489	48	20	527	84
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	112	398	12	74	420	2164	1785	489	48	20	527	84
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	112	398	12	74	420	2164	1785	489	48	20	527	84
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	112	398	12	74	420	2164	1785	489	48	20	527	84
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	112	398	12	74	420	2164	1785	489	48	20	527	84
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	112	398	12	74	420	2164	1785	489	48	20	527	84
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.93	0.91	0.91	0.72	0.88	0.88	0.82	0.93	0.93	0.83
Lanes:	1.00	1.94	0.06	1.00	2.00	2.00	2.00	1.00	1.00	0.07	1.93	1.00
Final Sat.:	1769	3421	103	1736	3473	2734	3341	1670	1554	129	3402	1583
Capacity Analysis Module:												
Vol/Sat:	0.06	0.12	0.12	0.04	0.12	0.79	0.53	0.29	0.03	0.15	0.15	0.05
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.06	0.21	0.21	0.08	0.23	0.71	0.48	0.48	0.53	0.14	0.14	0.21
Volume/Cap:	1.12	0.56	0.56	0.56	0.53	1.12	1.12	0.61	0.06	1.12	1.12	0.25
Delay/Veh:	183.3	43.4	43.4	58.6	41.2	80.0	93.5	23.6	13.5	130.3	130	39.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	183.3	43.4	43.4	58.6	41.2	80.0	93.5	23.6	13.5	130.3	130	39.5
DesignQueue:	7	22	1	5	22	50	71	18	2	1	31	4

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Intersection #16: Mission/Chestnut [N/S: Chestnut E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	112	398	12	74	420	2164	1785	489	48	20	527	84
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	112	398	12	74	420	2164	1785	489	48	20	527	84
Added Vol:	0	6	1	0	3	26	58	4	0	0	2	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	112	404	13	74	423	2190	1843	493	48	20	529	84
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	112	404	13	74	423	2190	1843	493	48	20	529	84
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	112	404	13	74	423	2190	1843	493	48	20	529	84
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	112	404	13	74	423	2190	1843	493	48	20	529	84

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.93	0.91	0.91	0.72	0.88	0.88	0.82	0.93	0.93	0.83
Lanes:	1.00	1.94	0.06	1.00	2.00	2.00	2.00	1.00	1.00	0.07	1.93	1.00
Final Sat.:	1769	3410	110	1736	3473	2734	3341	1670	1554	129	3402	1583

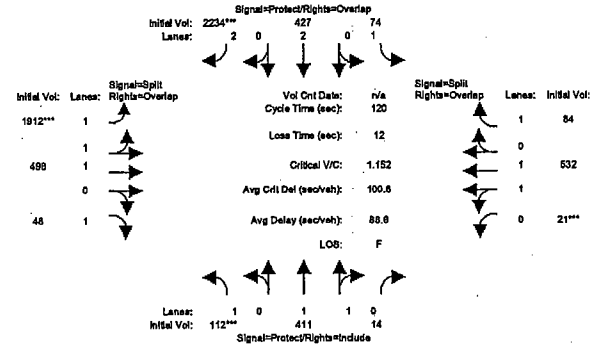
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.06	0.12	0.12	0.04	0.12	0.80	0.55	0.30	0.03	0.16	0.16	0.05
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.06	0.20	0.20	0.07	0.22	0.71	0.49	0.49	0.54	0.14	0.14	0.21
Volume/Cap:	1.13	0.58	0.58	0.58	0.55	1.13	1.13	0.61	0.06	1.13	1.13	0.25
Delay/Veh:	187.5	44.5	44.5	60.7	42.5	84.5	97.3	22.7	13.0	134.5	135	39.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	187.5	44.5	44.5	60.7	42.5	84.5	97.3	22.7	13.0	134.5	135	39.9
DesignQueue:	7	22	1	5	23	50	72	18	1	1	32	4

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Ex + Ph 1 + Ph 2 PM

Intersection #16: Mission/Chestnut [N/S: Chestnut E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	112	398	12	74	420	2164	1785	489	48	20	527	84
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	112	398	12	74	420	2164	1785	489	48	20	527	84
Added Vol:	0	13	2	0	7	70	127	9	0	1	5	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	112	411	14	74	427	2234	1912	498	48	21	532	84
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	112	411	14	74	427	2234	1912	498	48	21	532	84
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	112	411	14	74	427	2234	1912	498	48	21	532	84
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	112	411	14	74	427	2234	1912	498	48	21	532	84

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.93	0.91	0.91	0.72	0.88	0.88	0.82	0.93	0.93	0.83
Lanes:	1.00	1.93	0.07	1.00	2.00	2.00	2.00	1.00	1.00	0.08	1.92	1.00
Final Sat.:	1769	3404	116	1736	3473	2734	3341	1670	1554	134	3397	1583

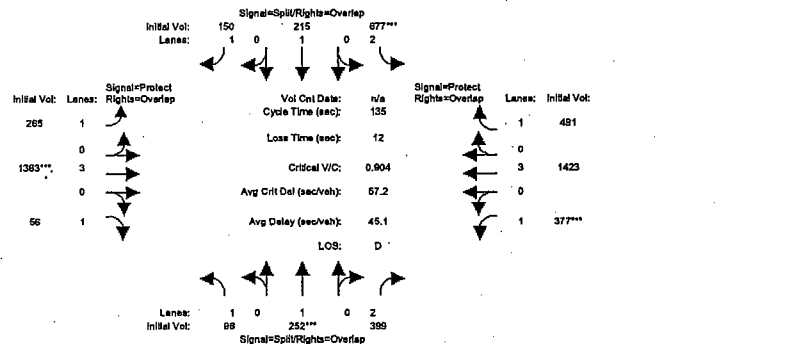
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.06	0.12	0.12	0.04	0.12	0.82	0.57	0.30	0.03	0.16	0.16	0.05
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.05	0.20	0.20	0.07	0.21	0.71	0.50	0.50	0.55	0.14	0.14	0.21
Volume/Cap:	1.15	0.61	0.61	0.61	0.58	1.15	1.15	0.60	0.06	1.15	1.15	0.26
Delay/Veh:	194.7	45.5	45.5	63.1	43.6	92.4	104.7	21.9	12.5	141.9	142	40.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	194.7	45.5	45.5	63.1	43.6	92.4	104.7	21.9	12.5	141.9	142	40.4
DesignQueue:	7	23	1	5	23	51	74	18	1	1	32	5

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Existing PM

Intersection #17: Mission/River (N/S: River E/W: Mission)



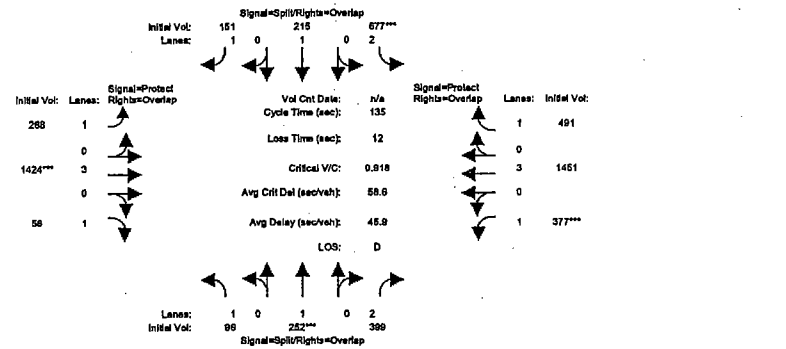
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	96	252	399	677	215	150	265	1363	56	377	1423	491
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	96	252	399	677	215	150	265	1363	56	377	1423	491
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	96	252	399	677	215	150	265	1363	56	377	1423	491
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	96	252	399	677	215	150	265	1363	56	377	1423	491
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	96	252	399	677	215	150	265	1363	56	377	1423	491
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	96	252	399	677	215	150	265	1363	56	377	1423	491
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.98	0.73	0.90	0.98	0.83	0.93	0.89	0.83	0.93	0.89	0.83
Lanes:	1.00	1.00	2.00	2.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1769	1862	2786	3432	1862	1583	1769	5083	1583	1769	5083	1583
Capacity Analysis Module:												
Vol/Sat:	0.05	0.14	0.14	0.20	0.12	0.09	0.15	0.27	0.04	0.21	0.28	0.31
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.15	0.15	0.39	0.22	0.22	0.39	0.17	0.30	0.45	0.24	0.36	0.58
Volume/Cap:	0.36	0.90	0.37	0.90	0.53	0.24	0.86	0.90	0.08	0.90	0.78	0.54
Delay/Veh:	46.7	80.5	26.7	60.1	42.8	24.7	69.9	48.6	19.1	67.2	36.5	16.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	46.7	80.5	26.7	60.1	42.8	24.7	69.9	48.6	19.1	67.2	36.5	16.2
DesignQueue:	6	15	17	37	12	6	15	68	2	20	65	15

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Ex - Ph 1 PM

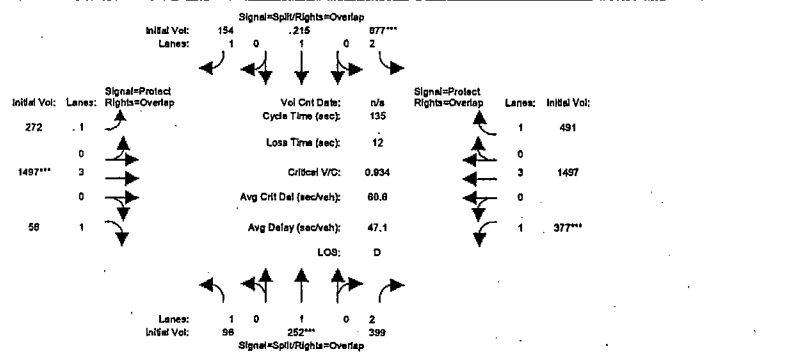
Intersection #17: Mission/River (N/S: River E/W: Mission)



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	96	252	399	677	215	150	265	1363	56	377	1423	491
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	96	252	399	677	215	150	265	1363	56	377	1423	491
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	96	252	399	677	215	151	268	1424	56	377	1451	491
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	96	252	399	677	215	151	268	1424	56	377	1451	491
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	96	252	399	677	215	151	268	1424	56	377	1451	491
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	96	252	399	677	215	151	268	1424	56	377	1451	491
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.98	0.73	0.90	0.98	0.83	0.93	0.89	0.83	0.93	0.89	0.83
Lanes:	1.00	1.00	2.00	2.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1769	1862	2786	3432	1862	1583	1769	5083	1583	1769	5083	1583
Capacity Analysis Module:												
Vol/Sat:	0.05	0.14	0.14	0.20	0.12	0.10	0.15	0.28	0.04	0.21	0.29	0.31
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.15	0.15	0.38	0.21	0.21	0.39	0.18	0.31	0.45	0.23	0.36	0.58
Volume/Cap:	0.37	0.92	0.38	0.92	0.54	0.24	0.86	0.92	0.08	0.92	0.79	0.54
Delay/Veh:	47.0	83.8	27.2	62.4	43.2	24.8	68.5	49.3	18.7	70.2	36.7	16.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	47.0	83.8	27.2	62.4	43.2	24.8	68.5	49.3	18.7	70.2	36.7	16.3
DesignQueue:	6	15	17	37	12	6	15	71	2	20	66	15

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Ex + Ph 1 + Ph 2 PM

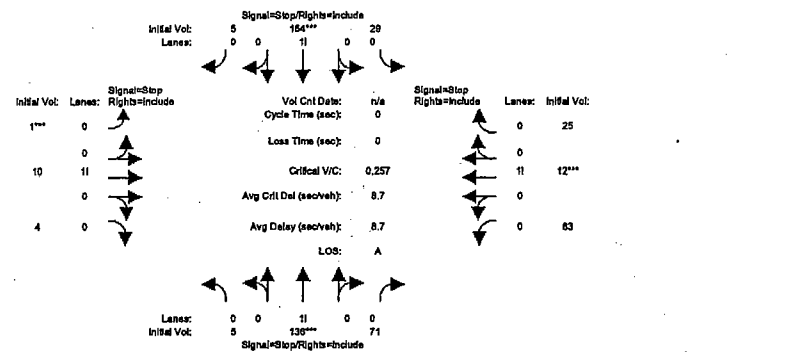
Intersection #17: Mission/River [N/S: River E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	96	252	399	677	215	150	265	1363	56	377	1423	491
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	96	252	399	677	215	150	265	1363	56	377	1423	491
Added Vol:	0	0	0	0	0	4	7	134	0	0	74	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	96	252	399	677	215	154	272	1497	56	377	1497	491
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	96	252	399	677	215	154	272	1497	56	377	1497	491
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	96	252	399	677	215	154	272	1497	56	377	1497	491
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	96	252	399	677	215	154	272	1497	56	377	1497	491
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.98	0.73	0.90	0.98	0.83	0.93	0.89	0.83	0.93	0.89	0.83
Lanes:	1.00	1.00	2.00	2.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1769	1862	2786	3432	1862	1583	1769	5083	1583	1769	5083	1583
Capacity Analysis Module:												
Vol/Sat:	0.05	0.14	0.14	0.20	0.12	0.10	0.15	0.29	0.04	0.22	0.29	0.31
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.14	0.14	0.37	0.21	0.21	0.39	0.18	0.32	0.46	0.23	0.36	0.57
Volume/Cap:	0.37	0.93	0.38	0.93	0.55	0.25	0.85	0.93	0.08	0.93	0.81	0.54
Delay/Veh:	47.3	88.0	27.7	65.5	43.8	24.8	67.1	50.3	18.2	74.0	37.3	16.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	47.3	88.0	27.7	65.5	43.8	24.8	67.1	50.3	18.2	74.0	37.3	16.4
DesignQueue:	6	15	17	37	12	6	15	73	2	20	68	15

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Existing PM

Intersection #18: Western/Meder [N/S: Western E/W: Meder]



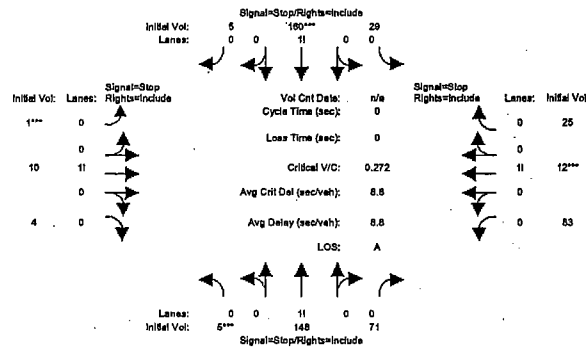
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	5	136	71	29	154	5	1	10	4	83	12	25
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	5	136	71	29	154	5	1	10	4	83	12	25
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	5	136	71	29	154	5	1	10	4	83	12	25
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	5	136	71	29	154	5	1	10	4	83	12	25
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	136	71	29	154	5	1	10	4	83	12	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	5	136	71	29	154	5	1	10	4	83	12	25
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.02	0.65	0.33	0.15	0.82	0.03	0.06	0.67	0.27	0.69	0.10	0.21
Final Sat.:	19	530	277	121	642	21	46	462	185	498	71	147
Capacity Analysis Module:												
Vol/Sat:	0.26	0.26	0.26	0.24	0.24	0.24	0.02	0.02	0.02	0.17	0.17	0.17
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	8.6	8.6	8.6	8.8	8.8	8.8	7.9	7.9	7.9	8.7	8.7	8.7
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	8.6	8.6	8.6	8.8	8.8	8.8	7.9	7.9	7.9	8.7	8.7	8.7
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	8.6			8.8			7.9			8.7		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	8.6			8.8			7.9			8.7		
LOS by Appr:	A			A			A			A		

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Ex - Ph 1 PM

Intersection #18: Western/Meder (N/S: Western E/W: Meder)



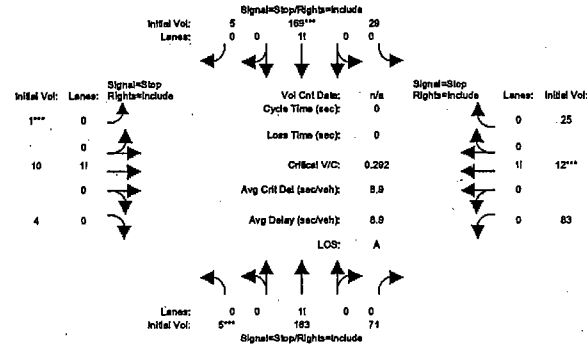
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:												
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	5	136	71	29	154	5	1	10	4	83	12	25
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	5	136	71	29	154	5	1	10	4	83	12	25
Added Vol:	0	12	0	0	6	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	5	148	71	29	160	5	1	10	4	83	12	25
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	5	148	71	29	160	5	1	10	4	83	12	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	148	71	29	160	5	1	10	4	83	12	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	5	148	71	29	160	5	1	10	4	83	12	25
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.02	0.66	0.32	0.15	0.82	0.03	0.06	0.67	0.27	0.69	0.10	0.21
Final Sat.:	18	544	261	117	644	20	46	456	182	483	70	145
Capacity Analysis Module:												
Vol/Sat:	0.27	0.27	0.27	0.25	0.25	0.25	0.02	0.02	0.02	0.17	0.17	0.17
Crit Moves:	****			****			****			****		
Delay/Veh:	8.8	8.8	8.8	8.9	8.9	8.9	7.9	7.9	7.9	8.7	8.7	8.7
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	8.8	8.8	8.8	8.9	8.9	8.9	7.9	7.9	7.9	8.7	8.7	8.7
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	8.8			8.9			7.9			8.7		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	8.8			8.9			7.9			8.7		
LOS by Appr:	A			A			A			A		

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
Ex - Ph 1 + Ph 2 PM

Intersection #18: Western/Meder (N/S: Western E/W: Meder)



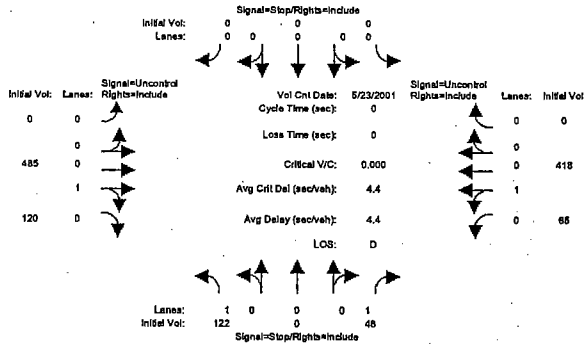
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:												
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	5	136	71	29	154	5	1	10	4	83	12	25
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	5	136	71	29	154	5	1	10	4	83	12	25
Added Vol:	0	27	0	0	15	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	5	163	71	29	169	5	1	10	4	83	12	25
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	5	163	71	29	169	5	1	10	4	83	12	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	163	71	29	169	5	1	10	4	83	12	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	5	163	71	29	169	5	1	10	4	83	12	25
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.02	0.68	0.30	0.14	0.84	0.02	0.06	0.67	0.27	0.69	0.10	0.21
Final Sat.:	17	558	243	111	648	19	45	449	179	477	69	144
Capacity Analysis Module:												
Vol/Sat:	0.29	0.29	0.29	0.26	0.26	0.26	0.02	0.02	0.02	0.17	0.17	0.17
Crit Moves:	****			****			****			****		
Delay/Veh:	9.0	9.0	9.0	9.0	9.0	9.0	8.0	8.0	8.0	8.8	8.8	8.8
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	9.0	9.0	9.0	9.0	9.0	9.0	8.0	8.0	8.0	8.8	8.8	8.8
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	9.0			9.0			8.0			8.8		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	9.0			9.0			8.0			8.8		
LOS by Appr:	A			A			A			A		

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Existing PM

Intersection #19: High/Western [N/S: Western E/W: High]



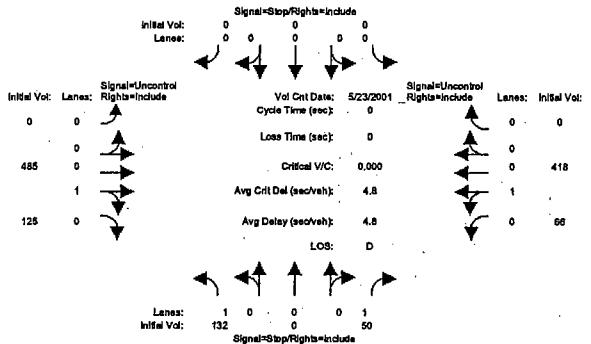
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:	>> Count Date: 23 May 2001 <<											
Base Vol:	122	0	48	0	0	0	0	485	120	65	418	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	122	0	48	0	0	0	0	485	120	65	418	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	122	0	48	0	0	0	0	485	120	65	418	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	122	0	48	0	0	0	0	485	120	65	418	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	122	0	48	0	0	0	0	485	120	65	418	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	xxxx	6.2	xxxx	xxxx	xxxx	xxxx	xxxx	4.1	xxxx	xxxx
FollowUpTim:	3.5	xxxx	3.3	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	2.2	xxxx	xxxx
Capacity Module:												
Cnflct Vol:	1093	xxxx	545	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	605	xxxx	xxxx
Potent Cap.:	239	xxxx	542	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	983	xxxx	xxxx
Move Cap.:	227	xxxx	542	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	983	xxxx	xxxx
Level Of Service Module:												
Stopped Del:	38.0	xxxx	12.3	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.9	xxxx	xxxx
LOS by Move:	E	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.9	xxxx	xxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	30.7			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	D			*			*			*		

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex - Ph 1 PM

Intersection #19: High/Western [N/S: Western E/W: High]



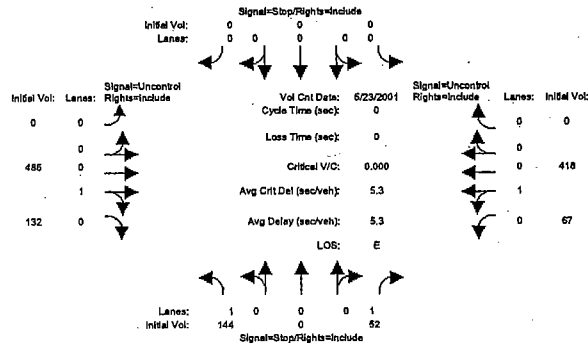
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:	>> Count Date: 23 May 2001 <<											
Base Vol:	122	0	48	0	0	0	0	485	120	65	418	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	122	0	48	0	0	0	0	485	120	65	418	0
Added Vol:	10	0	2	0	0	0	0	0	5	1	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	132	0	50	0	0	0	0	485	125	66	418	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	132	0	50	0	0	0	0	485	125	66	418	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	132	0	50	0	0	0	0	485	125	66	418	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	xxxx	6.2	xxxx	xxxx	xxxx	xxxx	xxxx	4.1	xxxx	xxxx
FollowUpTim:	3.5	xxxx	3.3	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	2.2	xxxx	xxxx
Capacity Module:												
Cnflct Vol:	1098	xxxx	547	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	610	xxxx	xxxx
Potent Cap.:	238	xxxx	540	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	979	xxxx	xxxx
Move Cap.:	225	xxxx	540	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	979	xxxx	xxxx
Level Of Service Module:												
Stopped Del:	41.4	xxxx	12.3	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.9	xxxx	xxxx
LOS by Move:	E	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.9	xxxx	xxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	33.4			xxxxxx			xxxxxx			xxxxxx		
ApproachLOS:	D			*			*			*		

Marine Balance Center

November 2003

Level Of Service Computation Report  
2009 HCM Unsignalized (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 PM

Intersection #19: High/Western [N/S: Western E/w: High]



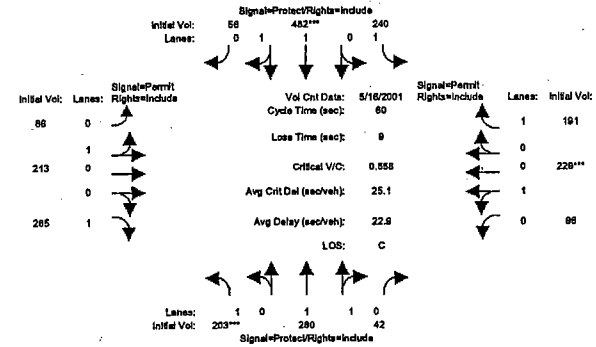
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: >> Count Date: 23 May 2001 <<												
Base Vol:	122	0	48	0	0	0	0	485	120	65	418	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	122	0	48	0	0	0	0	485	120	65	418	0
Added Vol:	22	0	4	0	0	0	0	0	12	2	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	144	0	52	0	0	0	0	485	132	67	418	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	144	0	52	0	0	0	0	485	132	67	418	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	144	0	52	0	0	0	0	485	132	67	418	0
Critical Gap Module:												
Critical Gap:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	1103	XXXX	551	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	617	XXXX	XXXX
Potent Cap.:	236	XXXX	538	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	973	XXXX	XXXX
Move Cap.:	223	XXXX	538	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	973	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	46.5	XXXX	12.4	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	9.0	XXXX	XXXX
LOS by Move:	E	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	9.0	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	37.5		XXXXXX			XXXXXX			XXXXXX			XXXXXX
ApproachLOS:	E		*			*			*			*

Marine Balance Center

November 2003

Level Of Service Computation Report  
2009 HCM Operations (Future Volume Alternative)  
Edging PM

Intersection #20: High/Bay [N/S: Bay E/w: High]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module: >> Count Date: 16 May 2001 <<												
Base Vol:	203	280	42	240	482	56	66	213	285	96	229	191
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	203	280	42	240	482	56	66	213	285	96	229	191
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	203	280	42	240	482	56	66	213	285	96	229	191
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	203	280	42	240	482	56	66	213	285	96	229	191
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	203	280	42	240	482	56	66	213	285	96	229	191
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	203	280	42	240	482	56	66	213	285	96	229	191
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.91	0.91	0.93	0.92	0.92	0.82	0.82	0.83	0.76	0.76	0.83
Lanes:	1.00	1.74	0.26	1.00	1.79	0.21	0.24	0.76	1.00	0.30	0.70	1.00
Final Sat.:	1769	3018	453	1769	3119	362	368	1188	1583	426	1015	1583
Capacity Analysis Module:												
Vol/Sat:	0.11	0.09	0.09	0.14	0.15	0.15	0.18	0.18	0.18	0.23	0.23	0.12
Crit Moves:	****			****						****		
Green/Cycle:	0.21	0.20	0.20	0.29	0.28	0.28	0.40	0.40	0.40	0.40	0.40	0.40
Volume/Cap:	0.56	0.47	0.47	0.47	0.56	0.56	0.44	0.44	0.45	0.56	0.56	0.30
Delay/Veh:	30.4	29.0	29.0	24.2	25.4	25.4	17.8	17.8	17.8	19.5	19.5	16.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	30.4	29.0	29.0	24.2	25.4	25.4	17.8	17.8	17.8	19.5	19.5	16.4
DesignQueue:	7	10	2	8	16	2	2	6	8	3	6	5



Marina Science Center  
November 2003  
Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex - Ph 1 PM

Intersection #20: High/Bay [N/S: Bay E/W: High]

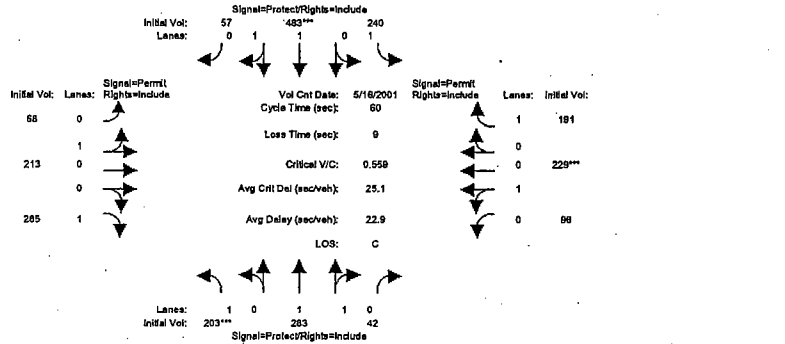


Table with columns: Approach, Movement, North Bound, South Bound, East Bound, West Bound. Rows include Min. Green and Volume Module data.

Volume Module data table showing counts for Base Vol, Growth Adj, Initial Bse, Added Vol, Campus Incr, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Saturation Flow Module data table showing Sat/Lane, Adjustment, Lanes, and Final Sat values.

Capacity Analysis Module data table showing Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue values.

Marina Science Center  
November 2003  
Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex - Ph 1 - Ph 2 PM

Intersection #20: High/Bay [N/S: Bay E/W: High]

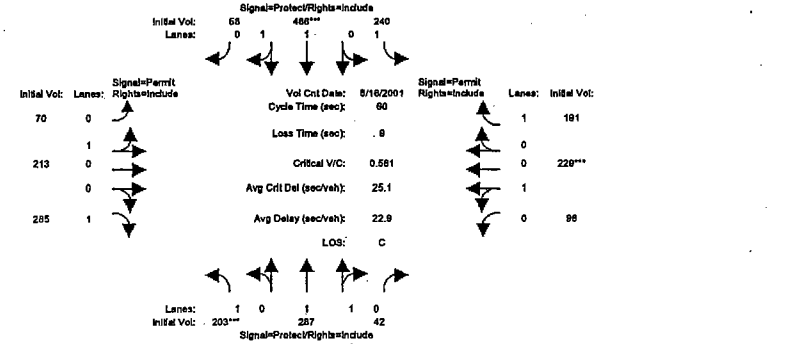


Table with columns: Approach, Movement, North Bound, South Bound, East Bound, West Bound. Rows include Min. Green and Volume Module data.

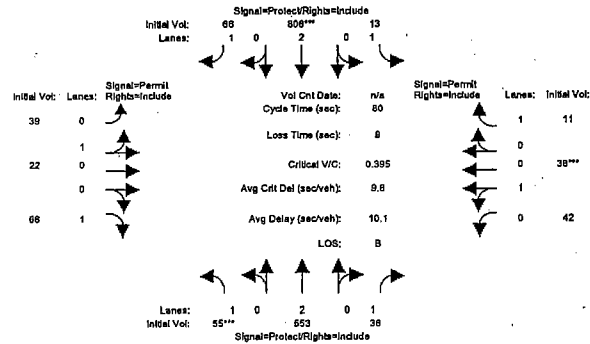
Volume Module data table showing counts for Base Vol, Growth Adj, Initial Bse, Added Vol, Campus Incr, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and Final Vol.

Saturation Flow Module data table showing Sat/Lane, Adjustment, Lanes, and Final Sat values.

Capacity Analysis Module data table showing Vol/Sat, Crit Moves, Green/Cycle, Volume/Cap, Delay/Veh, User DelAdj, AdjDel/Veh, and DesignQueue values.

Marine Science Center  
November 2003  
Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Exhibit PM

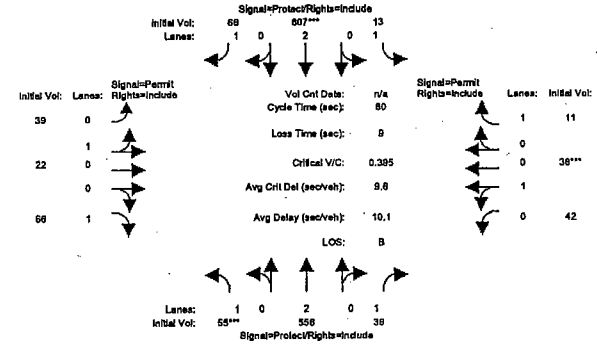
Intersection #21: Bay/lowa [N/S: Bay E/W: lowa]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	55	553	36	13	806	66	39	22	66	33	38	11
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	55	553	36	13	806	66	39	22	66	33	38	11
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	9	0
Initial Fut:	55	553	36	13	806	66	39	22	66	42	38	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
PHF Volume:	62	621	40	15	906	74	44	25	74	47	43	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	62	621	40	15	906	74	44	25	74	47	43	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	62	621	40	15	906	74	44	25	74	47	43	12
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.83	0.93	0.93	0.83	0.76	0.76	0.83	0.80	0.80	0.83
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	0.64	0.36	1.00	0.52	0.48	1.00
Final Sat.:	1769	3538	1583	1769	3538	1583	929	524	1583	796	720	1583
Capacity Analysis Module:												
Vol/Sat:	0.03	0.18	0.03	0.01	0.26	0.05	0.05	0.05	0.05	0.06	0.06	0.01
Crit Moves:	****			****			****			****		
Green/Cycle:	0.09	0.70	0.70	0.03	0.65	0.65	0.15	0.15	0.15	0.15	0.15	0.15
Volume/Cap:	0.39	0.25	0.04	0.25	0.39	0.07	0.31	0.31	0.31	0.39	0.39	0.05
Delay/Veh:	36.1	4.3	3.6	39.9	6.7	5.2	31.1	31.1	31.1	31.8	31.8	29.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	36.1	4.3	3.6	39.9	6.7	5.2	31.1	31.1	31.1	31.8	31.8	29.2
DesignQueue:	3	9	1	1	15	1	2	1	3	2	2	0

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Ex + Pn 1 PM

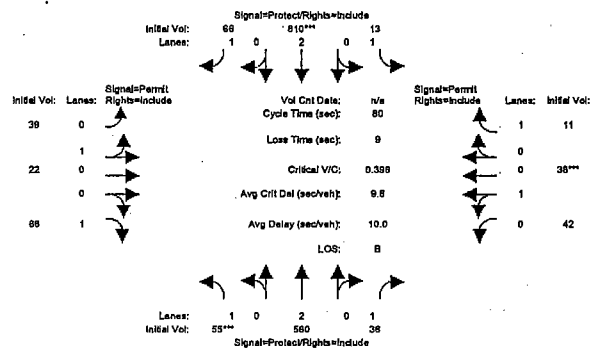
Intersection #21: Bay/lowa [N/S: Bay E/W: lowa]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	55	553	36	13	806	66	39	22	66	33	38	11
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	55	553	36	13	806	66	39	22	66	33	38	11
Added Vol:	0	3	0	0	1	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	9	0
Initial Fut:	55	556	36	13	807	66	39	22	66	42	38	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
PHF Volume:	62	625	40	15	907	74	44	25	74	47	43	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	62	625	40	15	907	74	44	25	74	47	43	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	62	625	40	15	907	74	44	25	74	47	43	12
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.83	0.93	0.93	0.83	0.76	0.76	0.83	0.80	0.80	0.83
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	0.64	0.36	1.00	0.52	0.48	1.00
Final Sat.:	1769	3538	1583	1769	3538	1583	929	524	1583	796	720	1583
Capacity Analysis Module:												
Vol/Sat:	0.03	0.18	0.03	0.01	0.26	0.05	0.05	0.05	0.05	0.06	0.06	0.01
Crit Moves:	****			****			****			****		
Green/Cycle:	0.09	0.70	0.70	0.03	0.65	0.65	0.15	0.15	0.15	0.15	0.15	0.15
Volume/Cap:	0.39	0.25	0.04	0.25	0.39	0.07	0.31	0.31	0.31	0.39	0.39	0.05
Delay/Veh:	36.1	4.3	3.6	40.0	6.7	5.2	31.2	31.2	31.1	31.8	31.8	29.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	36.1	4.3	3.6	40.0	6.7	5.2	31.2	31.2	31.1	31.8	31.8	29.2
DesignQueue:	3	9	1	1	15	1	2	1	3	2	2	0

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Ex • Ph 1 • Ph 2 PM

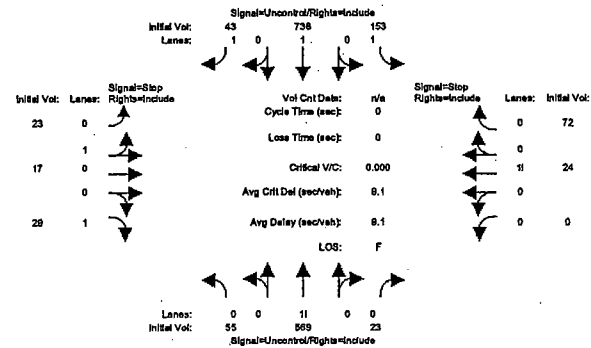
Intersection #21: Bay/lowa [N/S: Bay E/w: lowa]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	55	563	36	13	806	66	39	22	66	33	38	11
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	55	553	36	13	806	66	39	22	66	33	38	11
Added Vol:	0	7	0	0	4	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	5	0
Initial Fut:	55	560	36	13	810	66	39	22	66	42	38	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
PHF Volume:	62	629	40	15	910	74	44	25	74	47	43	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	62	629	40	15	910	74	44	25	74	47	43	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	62	629	40	15	910	74	44	25	74	47	43	12
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.83	0.93	0.93	0.83	0.76	0.76	0.83	0.80	0.80	0.83
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	0.64	0.36	1.00	0.52	0.48	1.00
Final Sat.:	1769	3538	1583	1769	3538	1583	927	523	1583	796	720	1583
Capacity Analysis Module:												
Vol/Sat:	0.03	0.18	0.03	0.01	0.26	0.05	0.05	0.05	0.05	0.06	0.06	0.01
Crit Moves:	****			****						****		
Green/Cycle:	0.09	0.71	0.71	0.03	0.65	0.65	0.15	0.15	0.15	0.15	0.15	0.15
Volume/Cap:	0.40	0.25	0.04	0.25	0.40	0.07	0.32	0.32	0.31	0.40	0.40	0.05
Delay/Veh:	36.1	4.3	3.6	40.0	6.7	5.2	31.2	31.2	31.1	31.9	31.9	29.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	36.1	4.3	3.6	40.0	6.7	5.2	31.2	31.2	31.1	31.9	31.9	29.2
DesignQueue:	3	9	1	1	15	1	2	1	3	2	2	0

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2000 HCM Unsignalized (Future Volume Alternative)  
Existing PM

Intersection #22: Bay/Escalona [N/S: Bay E/w: Escalona]



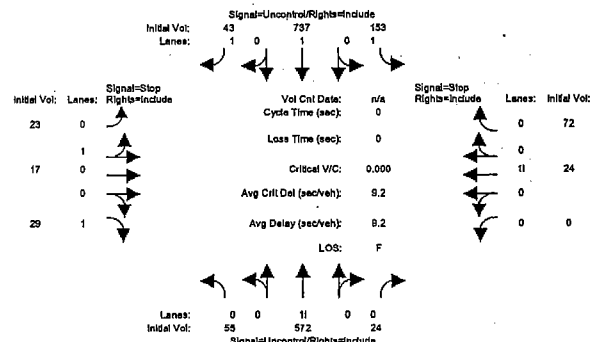
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	55	569	23	153	736	43	23	17	29	0	24	72
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	55	569	23	153	736	43	23	17	29	0	24	72
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	55	569	23	153	736	43	23	17	29	0	24	72
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	55	569	23	153	736	43	23	17	29	0	24	72
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	55	569	23	153	736	43	23	17	29	0	24	72
Critical Gap Module:												
Critical Gap:	4.1	xxxx	xxxx	4.1	xxxx	xxxx	7.1	6.5	6.2	xxxx	6.5	6.2
FollowUpTim:	2.2	xxxx	xxxx	2.2	xxxx	xxxx	3.5	4.0	3.3	xxxx	4.0	3.3
Capacity Module:												
Conflict Vol:	779	xxxx	xxxx	592	xxxx	xxxx	1781	1744	736	xxxx	1776	581
Potent Cap.:	847	xxxx	xxxx	994	xxxx	xxxx	65	87	422	xxxx	84	518
Move Cap.:	847	xxxx	xxxx	994	xxxx	xxxx	34	69	422	xxxx	66	518
Level Of Service Module:												
Stopped Del:	9.5	xxxx	xxxx	9.3	xxxx	xxxx	14.2	xxxx	xxxx	xxxx	xxxx	xxxx
LOS by Move:	A	*	*	A	*	*	B	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	43	xxxx	xxxx	xxxx	xxxx	191
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	259.0	xxxx	xxxx	xxxx	xxxx	41.5
Shared LOS:	*	*	*	*	*	*	F	*	*	*	*	E
ApproachDel:	xxxxxxx			xxxxxxx			156.1					41.5
ApproachLOS:	*			*			F					E

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex = Ph 1 PM

Intersection #22: Bay/Escalona [N/S: Bay E/w: Escalona]



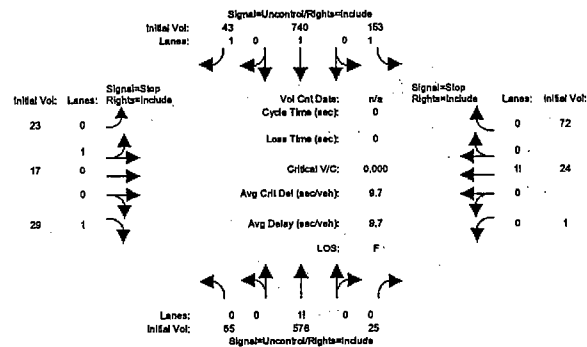
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	55	569	23	153	736	43	23	17	29	0	24	72
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	55	569	23	153	736	43	23	17	29	0	24	72
Added Vol:	0	3	1	0	1	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	55	572	24	153	737	43	23	17	29	0	24	72
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	55	572	24	153	737	43	23	17	29	0	24	72
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol:	55	572	24	153	737	43	23	17	29	0	24	72
Critical Gap Module:												
Critical Gap:	4.1	XXXX	XXXXXX	4.1	XXXX	XXXXXX	7.1	6.5	6.2	XXXX	6.5	6.2
FollowUpTim:	2.2	XXXX	XXXXXX	2.2	XXXX	XXXXXX	3.5	4.0	3.3	XXXX	4.0	3.3
Capacity Module:												
Cnflct Vol:	780	XXXX	XXXXXX	596	XXXX	XXXXXX	1785	1749	737	XXXX	1780	584
Potent Cap.:	846	XXXX	XXXXXX	990	XXXX	XXXXXX	64	87	422	XXXX	83	515
Move Cap.:	846	XXXX	XXXXXX	990	XXXX	XXXXXX	33	68	422	XXXX	66	515
Level Of Service Module:												
Stopped Del:	9.5	XXXX	XXXXXX	9.3	XXXX	XXXXXX	XXXX	XXXX	14.2	XXXX	XXXX	XXXXXX
LOS by Move:	A	*	*	A	*	*	*	*	B	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	43	XXXX	XXXX	XXXX	XXXX	190
Shrd StpDel:	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	263.8	XXXX	XXXX	XXXX	XXXX	42.0
Shared LOS:	*	*	*	*	*	*	F	*	*	*	E	*
ApproachDel:	XXXXXX			XXXXXX			158.9				42.0	
ApproachLOS:	*			*			F				E	

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex = Ph 1 + Ph 2 PM

Intersection #22: Bay/Escalona [N/S: Bay E/w: Escalona]



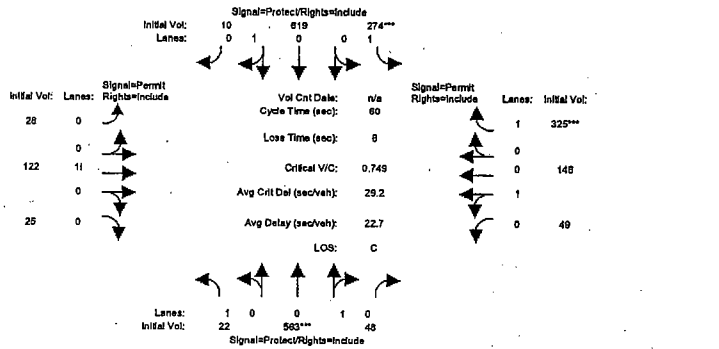
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	55	569	23	153	736	43	23	17	29	0	24	72
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	55	569	23	153	736	43	23	17	29	0	24	72
Added Vol:	0	7	2	0	4	0	0	0	0	1	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	55	576	25	153	740	43	23	17	29	1	24	72
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	55	576	25	153	740	43	23	17	29	1	24	72
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol:	55	576	25	153	740	43	23	17	29	1	24	72
Critical Gap Module:												
Critical Gap:	4.1	XXXX	XXXXXX	4.1	XXXX	XXXXXX	7.1	6.5	6.2	7.1	6.5	6.2
FollowUpTim:	2.2	XXXX	XXXXXX	2.2	XXXX	XXXXXX	3.5	4.0	3.3	3.5	4.0	3.3
Capacity Module:												
Cnflct Vol:	783	XXXX	XXXXXX	601	XXXX	XXXXXX	1793	1757	740	1789	1788	589
Potent Cap.:	844	XXXX	XXXXXX	986	XXXX	XXXXXX	63	86	420	64	82	512
Move Cap.:	844	XXXX	XXXXXX	986	XXXX	XXXXXX	33	68	420	40	65	512
Level Of Service Module:												
Stopped Del:	9.6	XXXX	XXXXXX	9.3	XXXX	XXXXXX	XXXX	XXXX	14.2	XXXX	XXXX	XXXXXX
LOS by Move:	A	*	*	A	*	*	*	*	B	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	42	XXXX	XXXX	XXXX	181	XXXXXX
Shrd StpDel:	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	271.7	XXXX	XXXX	XXXX	45.8	XXXXXX
Shared LOS:	*	*	*	*	*	*	F	*	*	*	E	*
ApproachDel:	XXXXXX			XXXXXX			163.5				45.8	
ApproachLOS:	*			*			F				E	

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Existing PM

Intersection #23: Bay/King [N/S: Bay E/W: King]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	22	499	48	209	532	10	28	121	25	49	145	284
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	22	499	48	209	532	10	28	121	25	49	145	284
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	64	0	65	87	0	0	1	0	0	0	1
Initial Fut:	22	563	48	274	619	10	28	122	25	49	146	325
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	22	563	48	274	619	10	28	122	25	49	146	325
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	563	48	274	619	10	28	122	25	49	146	325
PCB Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	22	563	48	274	619	10	28	122	25	49	146	325

Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.97	0.97	0.93	0.98	0.98	0.90	0.90	0.90	0.89	0.89	0.83
Lanes:	1.00	0.92	0.08	1.00	0.98	0.02	0.16	0.70	0.14	0.25	0.75	1.00
Final Sat.:	1769	1695	145	1769	1829	30	274	1196	245	425	1266	1583

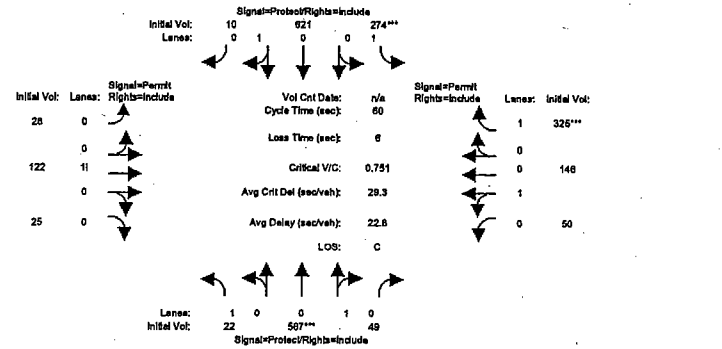
Capacity Analysis Module:												
Vol/Sat:	0.01	0.33	0.33	0.15	0.34	0.34	0.10	0.10	0.10	0.12	0.12	0.21
Crit Moves:	****											
Green/Cycle:	0.02	0.44	0.44	0.21	0.63	0.63	0.27	0.27	0.27	0.27	0.27	0.27
Volume/Cap:	0.54	0.75	0.75	0.75	0.54	0.54	0.37	0.37	0.37	0.42	0.42	0.75
Delay/Veh:	52.4	22.4	22.4	38.1	8.9	8.9	24.0	24.0	24.0	24.4	24.4	33.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	52.4	22.4	22.4	38.1	8.9	8.9	24.0	24.0	24.0	24.4	24.4	33.6
DesignQueue:	1	15	1	10	11	0	1	4	1	2	5	11

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex 4 Ph 1 PM

Intersection #23: Bay/King [N/S: Bay E/W: King]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	22	499	48	209	532	10	28	121	25	49	145	284
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	22	499	48	209	532	10	28	121	25	49	145	284
Added Vol:	0	4	1	0	2	0	0	0	0	0	1	0
Campus Incr:	0	64	0	65	87	0	0	1	0	0	0	1
Initial Fut:	22	567	49	274	621	10	28	122	25	50	146	325
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	22	567	49	274	621	10	28	122	25	50	146	325
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	567	49	274	621	10	28	122	25	50	146	325
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	22	567	49	274	621	10	28	122	25	50	146	325

Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.97	0.97	0.93	0.98	0.98	0.90	0.90	0.90	0.88	0.88	0.83
Lanes:	1.00	0.92	0.08	1.00	0.98	0.02	0.16	0.70	0.14	0.26	0.74	1.00
Final Sat.:	1769	1693	146	1769	1829	29	274	1196	245	429	1252	1583

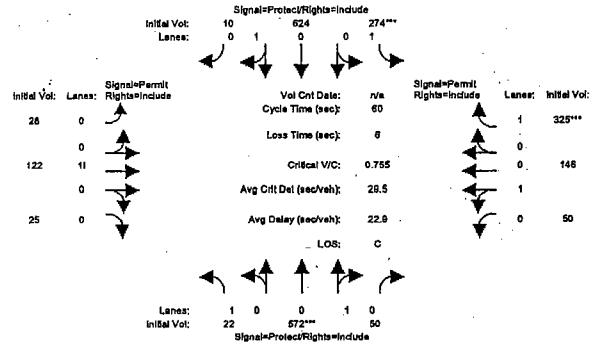
Capacity Analysis Module:												
Vol/Sat:	0.01	0.33	0.33	0.15	0.34	0.34	0.10	0.10	0.10	0.12	0.12	0.21
Crit Moves:	****											
Green/Cycle:	0.02	0.45	0.45	0.21	0.63	0.63	0.27	0.27	0.27	0.27	0.27	0.27
Volume/Cap:	0.54	0.75	0.75	0.75	0.54	0.54	0.37	0.37	0.37	0.43	0.43	0.75
Delay/Veh:	52.5	22.4	22.4	38.3	8.9	8.9	24.0	24.0	24.0	24.6	24.6	33.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	52.5	22.4	22.4	38.3	8.9	8.9	24.0	24.0	24.0	24.6	24.6	33.8
DesignQueue:	1	15	1	10	11	0	1	4	1	2	5	11

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 PM

Intersection #23: Bay/King [N/S: Bay E/W: King]



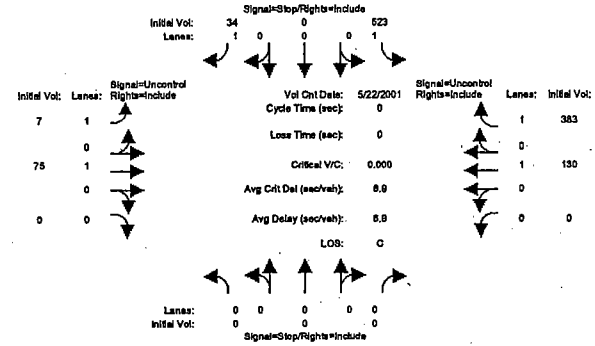
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	22	499	48	209	532	10	28	121	25	49	145	284
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	22	499	48	209	532	10	28	121	25	49	145	284
Added Vol:	0	9	2	0	5	0	0	0	0	1	0	0
Campus Incr:	0	64	0	65	87	0	0	1	0	0	1	41
Initial Fut:	22	572	50	274	624	10	28	122	25	50	146	325
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	22	572	50	274	624	10	28	122	25	50	146	325
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	572	50	274	624	10	28	122	25	50	146	325
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MDF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	22	572	50	274	624	10	28	122	25	50	146	325
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.97	0.97	0.93	0.98	0.98	0.90	0.90	0.90	0.88	0.88	0.83
Lanes:	1.00	0.92	0.08	1.00	0.98	0.02	0.16	0.70	0.14	0.26	0.74	1.00
Final Sat.:	1769	1692	148	1769	1829	29	274	1196	245	429	1252	1583
Capacity Analysis Module:												
Vol/Sat:	0.01	0.34	0.34	0.15	0.34	0.34	0.10	0.10	0.10	0.12	0.12	0.21
Crit Moves:	****											
Green/Cycle:	0.02	0.45	0.45	0.21	0.63	0.63	0.27	0.27	0.27	0.27	0.27	0.27
Volume/Cap:	0.54	0.75	0.75	0.75	0.54	0.54	0.38	0.38	0.38	0.43	0.43	0.75
Delay/Veh:	52.7	22.4	22.4	38.6	8.8	8.8	24.1	24.1	24.1	24.6	24.6	34.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	52.7	22.4	22.4	38.6	8.8	8.8	24.1	24.1	24.1	24.6	24.6	34.1
DesignQueue:	1	15	1	10	11	0	1	4	1	2	5	11

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Eading PM

Intersection #24: Empire Grade/Heller [N/S: Heller E/W: Empire Grade]



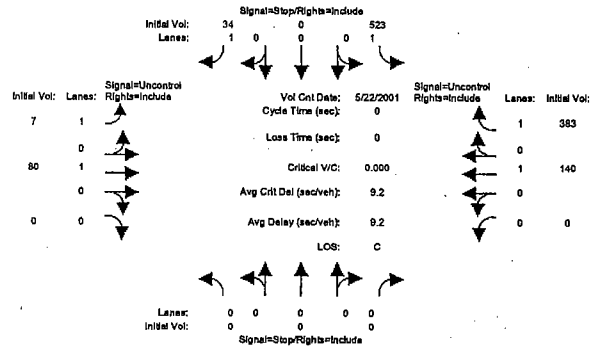
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: >> Count Date: 22 May 2001 <<												
Base Vol:	0	0	0	523	0	34	7	75	0	0	130	383
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	523	0	34	7	75	0	0	130	383
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	523	0	34	7	75	0	0	130	383
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	523	0	34	7	75	0	0	130	383
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	523	0	34	7	75	0	0	130	383
Critical Gap Module:												
Critical Gp:	XXXX	XXXX	XXXX	6.4	XXXX	6.2	4.1	XXXX	XXXX	XXXX	XXXX	XXXX
FollowUpTim:	XXXX	XXXX	XXXX	3.5	XXXX	3.3	2.2	XXXX	XXXX	XXXX	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	XXXX	XXXX	XXXX	219	XXXX	130	513	XXXX	XXXX	XXXX	XXXX	XXXX
Potent Cap.:	XXXX	XXXX	XXXX	774	XXXX	925	1063	XXXX	XXXX	XXXX	XXXX	XXXX
Move Cap.:	XXXX	XXXX	XXXX	770	XXXX	925	1063	XXXX	XXXX	XXXX	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	XXXX	XXXX	XXXX	19.0	XXXX	9.0	8.4	XXXX	XXXX	XXXX	XXXX	XXXX
LOS by Move:	*	*	*	C	*	A	A	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	XXXXXX											
ApproachLOS:	*	18.4										
		C										

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex + Ph 1 PM

Intersection #24: Empire Grade/Heller [N/S: Heller E/W: Empire Grade]



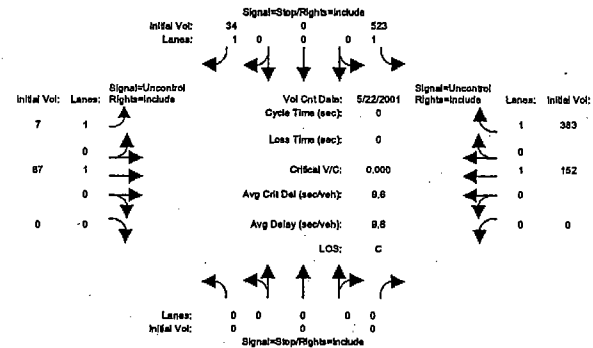
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: >> Count Date: 22 May 2001 <<												
Base Vol:	0	0	0	523	0	34	7	75	0	0	130	383
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	523	0	34	7	75	0	0	130	383
Added Vol:	0	0	0	0	0	0	0	5	0	0	10	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	523	0	34	7	80	0	0	140	383
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	523	0	34	7	80	0	0	140	383
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	523	0	34	7	80	0	0	140	383
Critical Gap Module:												
Critical Gp:	xxxxx	xxxxx	xxxxx	6.4	xxxxx	6.2	4.1	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
FollowUpTim:	xxxxx	xxxxx	xxxxx	3.5	xxxxx	3.3	2.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Capacity Module:												
Cnflct Vol:	xxxxx	xxxxx	xxxxx	234	xxxxx	140	523	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Potent Cap.:	xxxxx	xxxxx	xxxxx	759	xxxxx	913	1054	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Move Cap.:	xxxxx	xxxxx	xxxxx	755	xxxxx	913	1054	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Level Of Service Module:												
Stopped Del:	xxxxx	xxxxx	xxxxx	19.8	xxxxx	9.1	8.4	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
LOS by Move:	*	*	*	C	*	A	A	*	*	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxx			19.1			xxxxx			xxxxx		
ApproachLOS:	*			C			*			*		

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
Ex + Ph 1 + Ph 2 PM

Intersection #24: Empire Grade/Heller [N/S: Heller E/W: Empire Grade]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module: >> Count Date: 22 May 2001 <<												
Base Vol:	0	0	0	523	0	34	7	75	0	0	130	383
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	523	0	34	7	75	0	0	130	383
Added Vol:	0	0	0	0	0	0	0	12	0	0	22	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	523	0	34	7	87	0	0	152	383
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	523	0	34	7	87	0	0	152	383
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	523	0	34	7	87	0	0	152	383
Critical Gap Module:												
Critical Gp:	xxxxx	xxxxx	xxxxx	6.4	xxxxx	6.2	4.1	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
FollowUpTim:	xxxxx	xxxxx	xxxxx	3.5	xxxxx	3.3	2.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Capacity Module:												
Cnflct Vol:	xxxxx	xxxxx	xxxxx	253	xxxxx	152	535	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Potent Cap.:	xxxxx	xxxxx	xxxxx	740	xxxxx	900	1043	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Move Cap.:	xxxxx	xxxxx	xxxxx	736	xxxxx	900	1043	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Level Of Service Module:												
Stopped Del:	xxxxx	xxxxx	xxxxx	20.9	xxxxx	9.2	8.5	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
LOS by Move:	*	*	*	C	*	A	A	*	*	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxx			20.2			xxxxx			xxxxx		
ApproachLOS:	*			C			*			*		

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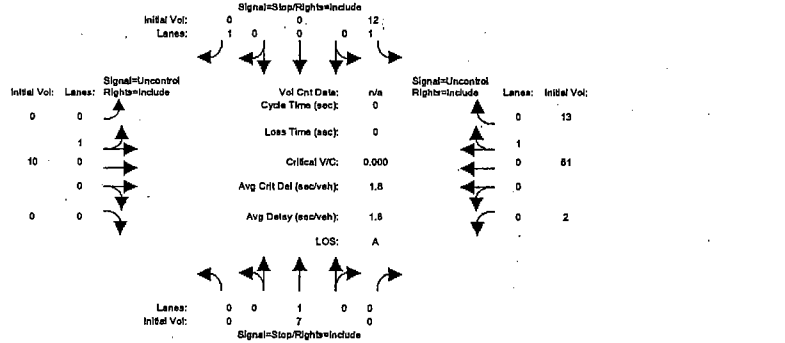
November 2003

Summary Scenario Comparison Report (With Average Critical Delay)  
Future Volume Alternative

Intersection	2010 No Project AM				2010 Plus Phase 1 AM				2010 No Project PM					2010 Plus Phase 1 PM				
	LOS	Avg Del (sec)	Crit V/C	Avg Crit Del (sec)	LOS	Avg Del (sec)	Crit V/C	Avg Crit Del (sec)	LOS	Avg Del (sec)	Crit V/C	Crit V/C Change	Avg Crit Del (sec)	Avg Crit Del Change	LOS	Avg Del (sec)	Crit V/C	Avg Crit Del (sec)
#1 Delaware/Shaffer [N/S:Shaffer E/W:Delaware]	A	1.8	0.000	1.8	B	0.8	0.000	0.8	A	1.5	0.000	+ 0.000	1.5	+ 0.6	B	0.5	0.000	0.5
#2 Delaware/Natural Bridges [N/S:Natural Bridges E/W:Delaware]	A	8.1	0.218	8.1	A	8.6	0.300	8.6	A	8.6	0.182	- 0.118	8.6	- 0.0	A	9.3	0.308	9.3
#3 Delaware/Swanton [N/S: Swanton E/W: Delaware]	B	3.8	0.000	3.8	B	3.6	0.000	3.6	B	3.5	0.000	+ 0.000	3.5	- 0.1	B	3.2	0.000	3.2
#4 Bay/Laguna [N/S:Laguna E/W: Bay]	B	4.3	0.000	4.3	B	4.4	0.000	4.4	B	4.6	0.000	+ 0.000	4.6	+ 0.2	C	4.9	0.000	4.9
#5 SR 1/Shaffer [N/S: Shaffer E/w: SR 1]	B	2.8	0.000	2.8	B	2.8	0.000	2.8	B	2.8	0.000	+ 0.000	2.8	+ 0.0	B	2.9	0.000	2.9
#6 Delaware/Swift [N/S: Swift E/W: Delaware]	B	12.8	0.547	12.8	B	14.3	0.611	14.3	B	12.6	0.577	- 0.034	12.6	- 1.7	B	14.0	0.632	14.0
#7 Delaware/Almar [N/S: Almar E/W: Delaware]	B	10.1	0.433	10.1	B	10.6	0.466	10.6	B	13.5	0.657	+ 0.191	13.5	+ 2.9	C	15.4	0.731	15.4
#8 SR 1/Western [N/S: Western E/w: SR 1]	C	24.0	0.487	26.0	C	24.4	0.503	26.9	C	22.5	0.669	+ 0.166	23.5	- 3.4	C	23.4	0.686	25.1
#9 SR 1/Swift [N/S: Swift E/w: SR 1]	C	23.3	0.425	31.4	C	23.3	0.440	31.4	C	22.2	0.492	+ 0.052	27.0	- 4.4	C	22.4	0.504	27.3
#10 Mission/Almar [N/S: Almar E/w: Mission]	C	21.1	0.539	28.5	C	22.0	0.567	30.1	C	24.4	0.671	+ 0.103	32.5	+ 2.4	C	25.9	0.706	34.5
#11 Mission/Bay [N/S: Bay E/w: Mission]	D	37.9	0.831	38.2	D	39.0	0.854	41.1	F	104.6	1.166	+ 0.312	126.0	+ 84.9	F	113.4	1.184	133.3
#12 Laurel/California [N/S: California E/w: Laurel]	C	21.4	0.550	25.5	C	21.5	0.555	25.7	C	25.7	0.729	+ 0.173	28.7	+ 3.0	C	26.0	0.732	28.9
#13 Mission/Laurel [N/S: Laurel E/w: Mission]	C	24.7	0.710	23.6	C	24.8	0.719	23.6	D	41.8	0.933	+ 0.214	51.0	+ 27.5	D	43.8	0.955	54.4
#14 Mission/Walnut [N/S: Walnut E/w: Mission]	C	23.7	0.637	26.4	C	23.7	0.645	26.3	B	19.5	0.586	- 0.059	20.7	- 5.6	B	19.2	0.606	20.5
#15 Mission/Union [N/S: Union E/w: Mission]	C	28.3	0.780	28.4	C	28.4	0.787	28.5	C	29.3	0.812	+ 0.024	27.0	- 1.4	C	29.6	0.822	27.2
#16 Mission/Chestnut [N/S: Chestnut E/w: Mission]	F	81.5	1.154	112.8	F	85.3	1.164	116.9	F	162.6	1.375	+ 0.210	199.1	+ 82.2	F	166.5	1.386	207.3
#17 Mission/River [N/S: River E/w: Mission]	D	45.3	0.987	64.7	D	45.9	0.993	65.8	E	68.2	1.070	+ 0.077	95.6	+ 29.8	E	70.7	1.083	99.9
#18 Western/Meder [N/S: Western E/w: Meder]	A	8.9	0.339	8.9	A	9.0	0.347	9.0	A	9.7	0.357	+ 0.010	9.7	+ 0.8	A	9.9	0.372	9.9
#19 High/Western [N/S: Western E/w: High]	F	11.8	0.000	11.8	F	12.8	0.000	12.8	F	17.0	0.000	+ 0.000	17.0	+ 4.2	F	19.9	0.000	19.9
#20 High/Bay [N/S: Bay E/w: High]	C	20.5	0.609	22.5	C	20.5	0.609	22.5	C	27.7	0.760	+ 0.151	31.6	+ 9.1	C	27.8	0.762	31.6
#21 Bay/Iowa [N/S: Bay E/w: Iowa]	B	11.4	0.397	9.6	B	11.4	0.397	9.6	A	9.9	0.512	+ 0.115	9.6	- 0.0	A	9.9	0.512	9.6
#22 Bay/Escalona [N/S: Bay E/w: Escalona]	F	13.6	0.000	13.6	F	14.0	0.000	14.0	F	132.0	0.000	+ 0.000	132.0	+ 118.0	F	137.9	0.000	137.9
#23 Bay/King [N/S: Bay E/w: King]	C	22.2	0.717	27.1	C	22.2	0.719	27.1	C	28.0	0.865	+ 0.146	37.8	+ 10.7	C	28.2	0.868	38.1
#24 Empire Grade/Heller [N/S: Heller E/w: Empire Grade]	C	4.1	0.000	4.1	C	4.1	0.000	4.1	F	35.8	0.000	+ 0.000	35.8	+ 31.6	F	38.7	0.000	38.7

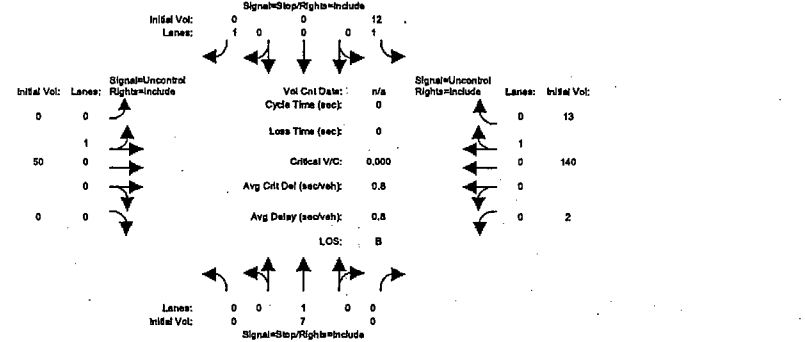


Intersection #1: Delaware/Shaffer [N/S:Shaffer EW:Delaware]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	6	0	11	0	0	0	9	0	2	46	12
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	0	7	0	12	0	0	0	10	0	2	51	13
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	7	0	12	0	0	0	10	0	2	51	13
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	7	0	12	0	0	0	10	0	2	51	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol:	0	7	0	12	0	0	0	10	0	2	51	13
Critical Gap Module:												
Critical Gap:	xxxx	6.6	xxxx	7.2	xxxx	xxxx	xxxx	xxxx	xxxx	4.1	xxxx	xxxx
FollowUpTim:	xxxx	4.1	xxxx	3.6	xxxx	xxxx	xxxx	xxxx	xxxx	2.2	xxxx	xxxx
Capacity Module:												
Conflict Vol:	xxxx	78	xxxx	75	xxxx	xxxx	xxxx	xxxx	xxxx	10	xxxx	xxxx
Potent Cap.:	xxxx	801	xxxx	901	xxxx	xxxx	xxxx	xxxx	xxxx	1590	xxxx	xxxx
Move Cap.:	xxxx	800	xxxx	894	xxxx	xxxx	xxxx	xxxx	xxxx	1590	xxxx	xxxx
Level Of Service Module:												
Stopped Del:	xxxx	9.5	xxxx	9.1	xxxx	xxxx	xxxx	xxxx	xxxx	7.3	xxxx	xxxx
LOS by Move:	*	A	*	A	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	9.5			9.1								
ApproachLOS:	A			A								

Intersection #1: Delaware/Shaffer [N/S:Shaffer EW:Delaware]



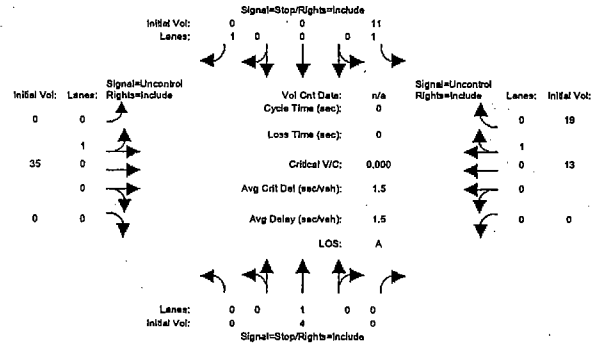
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	6	0	11	0	0	0	9	0	2	46	12
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	0	7	0	12	0	0	0	10	0	2	51	13
Added Vol:	0	0	0	0	0	0	0	0	0	0	40	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	7	0	12	0	0	0	10	0	2	51	13
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	7	0	12	0	0	0	10	0	2	51	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol:	0	7	0	12	0	0	0	10	0	2	51	13
Critical Gap Module:												
Critical Gap:	xxxx	6.6	xxxx	7.2	xxxx	xxxx	xxxx	xxxx	xxxx	4.1	xxxx	xxxx
FollowUpTim:	xxxx	4.1	xxxx	3.6	xxxx	xxxx	xxxx	xxxx	xxxx	2.2	xxxx	xxxx
Capacity Module:												
Conflict Vol:	xxxx	207	xxxx	204	xxxx	xxxx	xxxx	xxxx	xxxx	50	xxxx	xxxx
Potent Cap.:	xxxx	679	xxxx	741	xxxx	xxxx	xxxx	xxxx	xxxx	1538	xxxx	xxxx
Move Cap.:	xxxx	678	xxxx	735	xxxx	xxxx	xxxx	xxxx	xxxx	1538	xxxx	xxxx
Level Of Service Module:												
Stopped Del:	xxxx	10.4	xxxx	10.0	xxxx	xxxx	xxxx	xxxx	xxxx	7.3	xxxx	xxxx
LOS by Move:	*	B	*	A	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	10.4			10.0								
ApproachLOS:	B			A								

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2010 No Project PM

Intersection #1: Delaware/Shaffer [N/S:Shaffer E/W:Delaware]



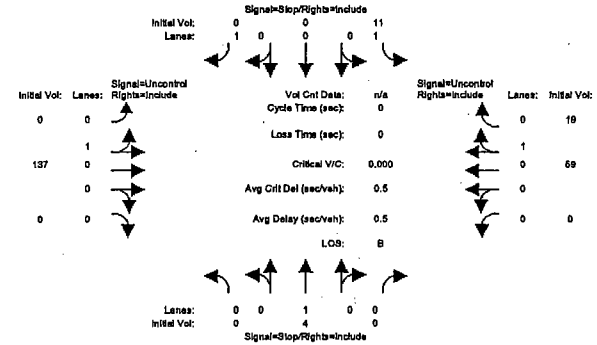
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:	-----											
Base Vol:	0	4	0	10	0	0	0	32	0	0	12	17
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	0	4	0	11	0	0	0	35	0	0	13	19
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	4	0	11	0	0	0	35	0	0	13	19
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	4	0	11	0	0	0	35	0	0	13	19
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	4	0	11	0	0	0	35	0	0	13	19
Critical Gap Module:	-----											
Critical Gp:	xxxxx	6.6	xxxxx	7.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
FollowUpTim:	xxxxx	4.1	xxxxx	3.6	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Capacity Module:	-----											
Cnflct Vol:	xxxxx	67	xxxxx	60	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Potent Cap.:	xxxxx	812	xxxxx	921	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Move Cap.:	xxxxx	812	xxxxx	917	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Level of Service Module:	-----											
Stopped Del:	xxxxx	9.5	xxxxx	9.0	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
LOS by Move:	*	A	*	A	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	9.5			9.0								
ApproachLOS:	A			A								

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2010 Phase 1 PM

Intersection #1: Delaware/Shaffer [N/S:Shaffer E/W:Delaware]



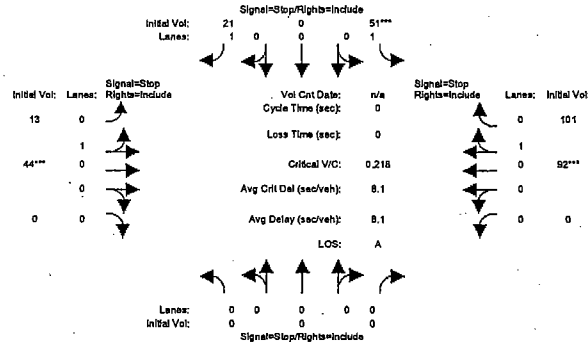
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:	-----											
Base Vol:	0	4	0	10	0	0	0	32	0	0	12	17
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	0	4	0	11	0	0	0	35	0	0	13	19
Added Vol:	0	0	0	0	0	0	0	102	0	0	46	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	4	0	11	0	0	0	137	0	0	59	19
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	4	0	11	0	0	0	137	0	0	59	19
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	4	0	11	0	0	0	137	0	0	59	19
Critical Gap Module:	-----											
Critical Gp:	xxxxx	6.6	xxxxx	7.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
FollowUpTim:	xxxxx	4.1	xxxxx	3.6	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Capacity Module:	-----											
Cnflct Vol:	xxxxx	215	xxxxx	208	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Potent Cap.:	xxxxx	672	xxxxx	737	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Move Cap.:	xxxxx	672	xxxxx	733	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Level of Service Module:	-----											
Stopped Del:	xxxxx	10.4	xxxxx	10.0	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
LOS by Move:	*	B	*	A	*	*	*	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	10.4			10.0								
ApproachLOS:	B			A								

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Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2010 No Project AM

Intersection #: Delaware/Natural Bridges [N/S:Natural Bridges E/W:Delaware]



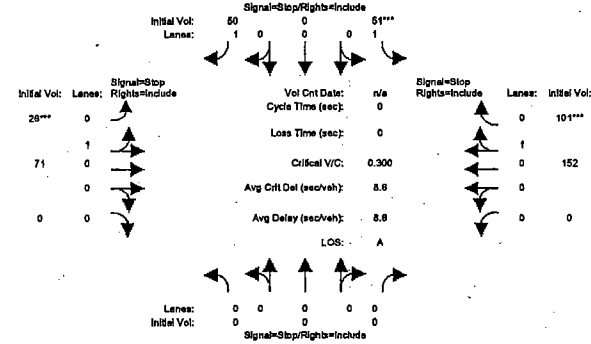
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	0	0	46	0	19	12	40	0	0	84	92
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	0	0	0	51	0	21	13	44	0	0	92	101
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	51	0	21	13	44	0	0	92	101
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	51	0	21	13	44	0	0	92	101
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	51	0	21	13	44	0	0	92	101
PCB Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	51	0	21	13	44	0	0	92	101
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	0.23	0.77	0.00	0.00	0.48	0.52
Final Sat.:	0	0	0	631	0	798	182	606	0	0	424	464
Capacity Analysis Module:												
Vol/Sat:	xxxx	xxxx	xxxx	0.08	xxxx	0.03	0.07	0.07	xxxx	xxxx	0.22	0.22
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	0.0	0.0	0.0	8.7	0.0	7.1	7.8	7.8	0.0	0.0	8.1	8.1
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	8.7	0.0	7.1	7.8	7.8	0.0	0.0	8.1	8.1
LOS by Move:	*	*	*	A	*	A	A	A	*	*	A	A
ApproachDel:	xxxxxx			8.2			7.8			8.1		
Delay Adj:	xxxxxx			1.00			1.00			1.00		
ApprAdjDel:	xxxxxx			8.2			7.8			8.1		
LOS by Appr:	*			A			A			A		

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Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2010 Plus Phase 1 AM

Intersection #: Delaware/Natural Bridges [N/S:Natural Bridges E/W:Delaware]



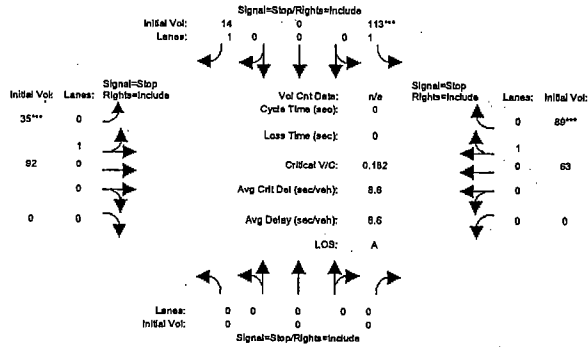
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	0	0	46	0	19	12	40	0	0	84	92
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	0	0	0	51	0	21	13	44	0	0	92	101
Added Vol:	0	0	0	0	0	29	.13	27	0	0	60	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	51	0	21	13	44	0	0	92	101
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	51	0	21	13	44	0	0	92	101
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	51	0	21	13	44	0	0	92	101
PCB Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	51	0	21	13	44	0	0	92	101
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	0.27	0.73	0.00	0.00	0.60	0.40
Final Sat.:	0	0	0	601	0	750	204	554	0	0	508	337
Capacity Analysis Module:												
Vol/Sat:	xxxx	xxxx	xxxx	0.08	xxxx	0.07	0.13	0.13	xxxx	xxxx	0.30	0.30
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	0.0	0.0	0.0	8.9	0.0	7.5	8.3	8.3	0.0	0.0	8.9	8.9
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	8.9	0.0	7.5	8.3	8.3	0.0	0.0	8.9	8.9
LOS by Move:	*	*	*	A	*	A	A	A	*	*	A	A
ApproachDel:	xxxxxx			8.2			8.3			8.9		
Delay Adj:	xxxxxx			1.00			1.00			1.00		
ApprAdjDel:	xxxxxx			8.2			8.3			8.9		
LOS by Appr:	*			A			A			A		

Merline Science Center

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Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2010 No Protect PM

Intersection #2: Delaware/Natural Bridges [N/S:Natural Bridges E/W:Delaware]



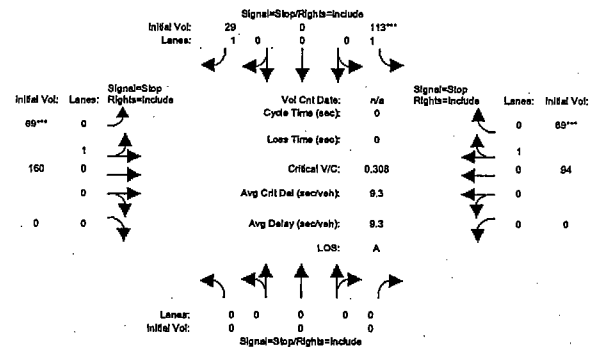
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	0	0	103	0	13	32	84	0	0	57	81
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	0	0	0	113	0	14	35	92	0	0	63	89
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	113	0	14	35	92	0	0	63	89
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	113	0	14	35	92	0	0	63	89
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	113	0	14	35	92	0	0	63	89
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	113	0	14	35	92	0	0	63	89
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	0.28	0.72	0.00	0.00	0.41	0.59
Final Sat.:	0	0	0	621	0	783	209	549	0	0	344	489
Capacity Analysis Module:												
Vol/Sat:	xxxx	xxxx	xxxx	0.18	xxxx	0.02	0.17	0.17	xxxx	xxxx	0.18	0.18
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	0.0	0.0	0.0	9.5	0.0	7.2	8.5	8.5	0.0	0.0	8.1	8.1
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	9.5	0.0	7.2	8.5	8.5	0.0	0.0	8.1	8.1
LOS by Move:	*	*	*	A	*	A	A	A	*	*	A	A
ApproachDel:	xxxxxxx			9.2			8.5			8.1		
Delay Adj:	xxxxxx			1.00			1.00			1.00		
ApprAdjDel:	xxxxxxx			9.2			8.5			8.1		
LOS by Appr:	*			A			A			A		

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Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2010 Plus Phase 1 PM

Intersection #2: Delaware/Natural Bridges [N/S:Natural Bridges E/W:Delaware]



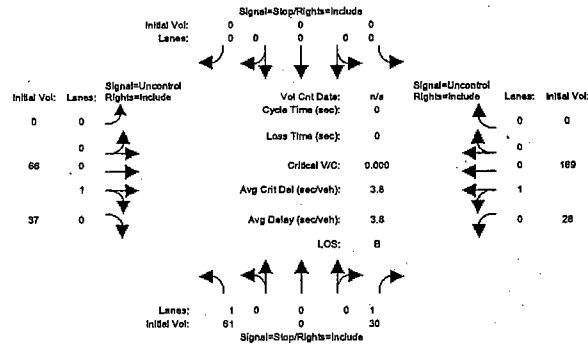
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	0	0	103	0	13	32	84	0	0	57	81
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	0	0	0	113	0	14	35	92	0	0	63	89
Added Vol:	0	0	0	0	0	15	34	68	0	0	31	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	113	0	29	69	160	0	0	94	89
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	113	0	29	69	160	0	0	94	89
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	113	0	29	69	160	0	0	94	89
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	113	0	29	69	160	0	0	94	89
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	0.30	0.70	0.00	0.00	0.51	0.49
Final Sat.:	0	0	0	583	0	722	224	520	0	0	404	384
Capacity Analysis Module:												
Vol/Sat:	xxxx	xxxx	xxxx	0.19	xxxx	0.04	0.31	0.31	xxxx	xxxx	0.23	0.23
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	0.0	0.0	0.0	9.9	0.0	7.6	9.7	9.7	0.0	0.0	8.7	8.7
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	9.9	0.0	7.6	9.7	9.7	0.0	0.0	8.7	8.7
LOS by Move:	*	*	*	A	*	A	A	A	*	*	A	A
ApproachDel:	xxxxxxx			9.4			9.7			8.7		
Delay Adj:	xxxxxx			1.00			1.00			1.00		
ApprAdjDel:	xxxxxxx			9.4			9.7			8.7		
LOS by Appr:	*			A			A			A		

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Intersection #3: Delaware/Swanton [N/S: Swanton EW: Delaware]



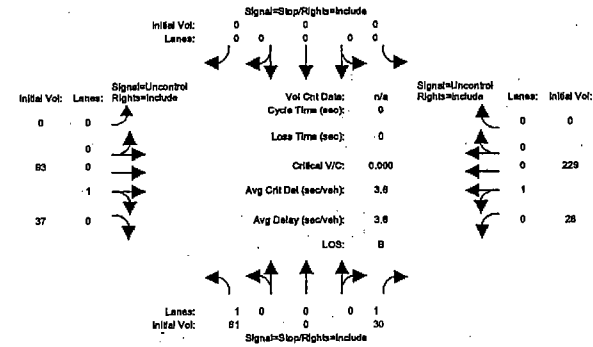
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	55	0	27	0	0	0	0	60	34	25	154	0
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	61	0	30	0	0	0	0	66	37	28	169	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	61	0	30	0	0	0	0	66	37	28	169	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	61	0	30	0	0	0	0	66	37	28	169	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	61	0	30	0	0	0	0	66	37	28	169	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Conflict Vol:	309	XXXX	85	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	103	XXXX	XXXX
Potent Cap.:	683	XXXX	974	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1470	XXXX	XXXX
Move Cap.:	673	XXXX	974	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1470	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	10.9	XXXX	8.8	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	7.5	XXXX	XXXX
LOS by Move:	B	*	A	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	7.5	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	10.2		XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX		XXXXXX
ApproachLOS:	B		*	*	*	*	*	*	*	*		*

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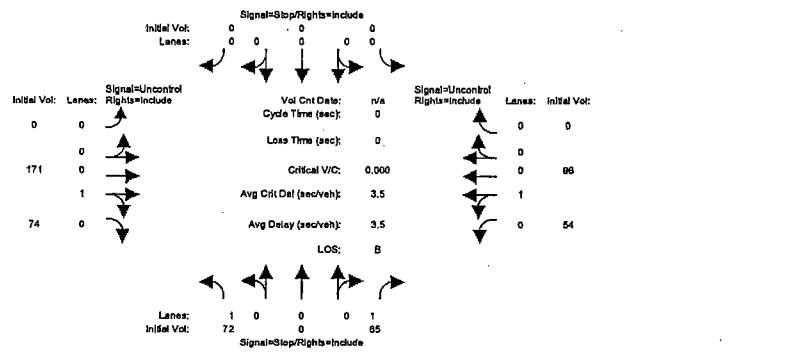
Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2010 Plus Phase 1 AM

Intersection #3: Delaware/Swanton [N/S: Swanton EW: Delaware]



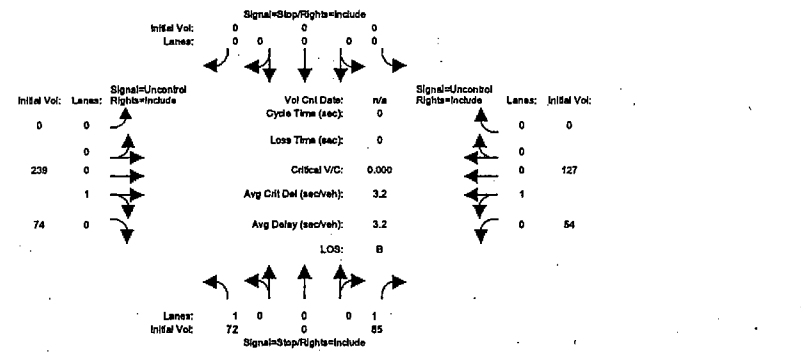
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	55	0	27	0	0	0	0	60	34	25	154	0
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	61	0	30	0	0	0	0	66	37	28	169	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	61	0	30	0	0	0	0	66	37	28	169	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	61	0	30	0	0	0	0	66	37	28	169	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	61	0	30	0	0	0	0	66	37	28	169	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Conflict Vol:	396	XXXX	112	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	130	XXXX	XXXX
Potent Cap.:	609	XXXX	941	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1437	XXXX	XXXX
Move Cap.:	600	XXXX	941	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1437	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	11.7	XXXX	8.9	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	7.6	XXXX	XXXX
LOS by Move:	B	*	A	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	7.6	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	10.8		XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX		XXXXXX
ApproachLOS:	B		*	*	*	*	*	*	*	*		*

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Intersection #3: Delaware/Swanton [N/S: Swanton E/W: Delaware]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	65	0	77	0	0	0	0	155	67	49	87	10
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	72	0	85	0	0	0	0	171	74	54	96	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	72	0	85	0	0	0	0	171	74	54	96	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	72	0	85	0	0	0	0	171	74	54	96	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	72	0	85	0	0	0	0	171	74	54	96	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	6.2	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	4.1	xxxx	xxxx
FollowUpTim:	3.5	xxxx	3.3	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	2.2	xxxx	xxxx
Capacity Module:												
Cnflct Vol:	411	xxxx	207	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	244	xxxx	xxxx
Potent Cap.:	597	xxxx	833	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1305	xxxx	xxxx
Move Cap.:	578	xxxx	833	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1305	xxxx	xxxx
Level Of Service Module:												
Stopped Del:	12.1	xxxx	9.8	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	7.9	xxxx	xxxx
LOS by Move:	B	*	A	*	*	*	*	*	*	A	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	7.9	xxxx	xxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	10.9		xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
ApproachLOS:	B		*	*	*	*	*	*	*	*	*	*

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2010 Plus Phase 1 PM  
Intersection #3: Delaware/Swanton [N/S: Swanton E/W: Delaware]



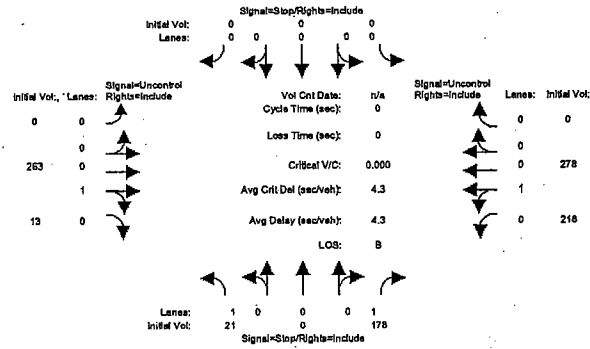
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	65	0	77	0	0	0	0	155	67	49	87	0
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	72	0	85	0	0	0	0	171	74	54	96	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	72	0	85	0	0	0	0	171	74	54	127	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	72	0	85	0	0	0	0	171	74	54	127	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	72	0	85	0	0	0	0	171	74	54	127	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	6.2	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	4.1	xxxx	xxxx
FollowUpTim:	3.5	xxxx	3.3	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	2.2	xxxx	xxxx
Capacity Module:												
Cnflct Vol:	510	xxxx	275	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	312	xxxx	xxxx
Potent Cap.:	523	xxxx	763	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1231	xxxx	xxxx
Move Cap.:	505	xxxx	763	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1231	xxxx	xxxx
Level Of Service Module:												
Stopped Del:	13.3	xxxx	10.3	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.1	xxxx	xxxx
LOS by Move:	B	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.1	xxxx	xxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	11.7		xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
ApproachLOS:	B		*	*	*	*	*	*	*	*	*	*

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2010 No Project AM

Intersection #4: Bay/Laguna [N/S:Laguna E/W: Bay]



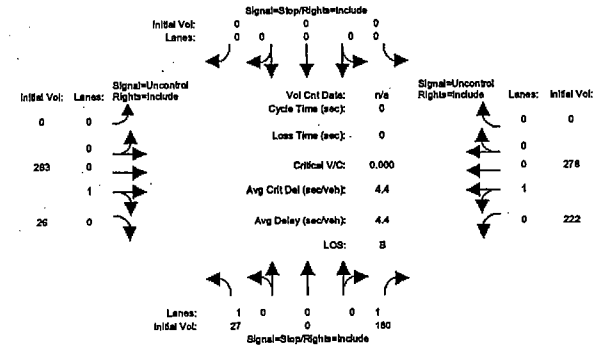
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	19	0	162	0	0	0	0	239	12	198	253	0
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	21	0	178	0	0	0	0	263	13	218	278	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	21	0	178	0	0	0	0	263	13	218	278	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	21	0	178	0	0	0	0	263	13	218	278	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	21	0	178	0	0	0	0	263	13	218	278	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Conflict Vol:	983	XXXX	270	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	276	XXXX	XXXX
Potent Cap.:	278	XXXX	774	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1298	XXXX	XXXX
Move Cap.:	237	XXXX	774	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1298	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	21.6	XXXX	11.0	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.3	XXXX	XXXX
LOS by Move:	C	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT		LT - LTR - RT		LT - LTR - RT		LT - LTR - RT		LT - LTR - RT		LT - LTR - RT	
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.3	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	12.1		XXXXXX				XXXXXX			XXXXXX		
ApproachLOS:	B		*				*			*		

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Intersection #4: Bay/Laguna [N/S:Laguna E/W: Bay]



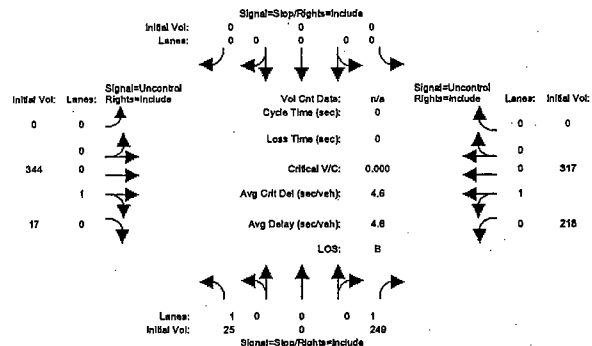
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	19	0	162	0	0	0	0	239	12	198	253	0
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	21	0	178	0	0	0	0	263	13	218	278	0
Added Vol:	6	0	2	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	27	0	180	0	0	0	0	263	26	222	278	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	27	0	180	0	0	0	0	263	26	222	278	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	27	0	180	0	0	0	0	263	26	222	278	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Conflict Vol:	998	XXXX	276	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	289	XXXX	XXXX
Potent Cap.:	273	XXXX	768	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1284	XXXX	XXXX
Move Cap.:	231	XXXX	768	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1284	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	22.6	XXXX	11.1	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.4	XXXX	XXXX
LOS by Move:	C	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT		LT - LTR - RT		LT - LTR - RT		LT - LTR - RT		LT - LTR - RT		LT - LTR - RT	
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.4	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	12.6		XXXXXX				XXXXXX			XXXXXX		
ApproachLOS:	B		*				*			*		

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2010 No Project PM

Intersection #4: Bay/Laguna [N/S:Laguna E/W: Bay]



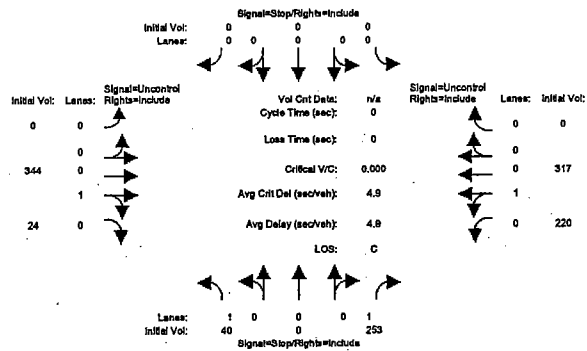
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:	-----											
Base Vol:	23	0	226	0	0	0	0	313	15	198	288	0
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	25	0	249	0	0	0	0	344	17	218	317	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	25	0	249	0	0	0	0	344	17	218	317	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	25	0	249	0	0	0	0	344	17	218	317	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	25	0	249	0	0	0	0	344	17	218	317	0
Critical Gap Module:	-----											
Critical Gp:	6.4	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	4.1	xxxx	xxxx
FollowUpTim:	3.5	xxxx	3.3	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	2.2	xxxx	xxxx
Capacity Module:	-----											
Cnflct Vol:	1105	xxxx	353	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	361	xxxx	xxxx
Potent Cap.:	235	xxxx	696	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1209	xxxx	xxxx
Move Cap.:	198	xxxx	696	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1209	xxxx	xxxx
Level Of Service Module:	-----											
Stopped Del:	25.8	xxxx	13.0	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.6	xxxx	xxxx
LOS by Move:	D	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.6	xxxx	xxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	14.2			xxxx			xxxx			xxxx		
ApproachLOS:	B			*			*			*		

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2010 Plus Phase 1 PM

Intersection #4: Bay/Laguna [N/S:Laguna E/W: Bay]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:	-----											
Base Vol:	23	0	226	0	0	0	0	313	15	198	288	0
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	25	0	249	0	0	0	0	344	17	218	317	0
Added Vol:	15	0	4	0	0	0	0	0	0	0	7	2
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	40	0	253	0	0	0	0	344	24	220	317	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	40	0	253	0	0	0	0	344	24	220	317	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	40	0	253	0	0	0	0	344	24	220	317	0
Critical Gap Module:	-----											
Critical Gp:	6.4	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	4.1	xxxx	xxxx
FollowUpTim:	3.5	xxxx	3.3	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	2.2	xxxx	xxxx
Capacity Module:	-----											
Cnflct Vol:	1112	xxxx	356	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	368	xxxx	xxxx
Potent Cap.:	233	xxxx	693	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1202	xxxx	xxxx
Move Cap.:	196	xxxx	693	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1202	xxxx	xxxx
Level Of Service Module:	-----											
Stopped Del:	28.1	xxxx	13.2	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.7	xxxx	xxxx
LOS by Move:	D	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.7	xxxx	xxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	15.2			xxxx			xxxx			xxxx		
ApproachLOS:	C			*			*			*		

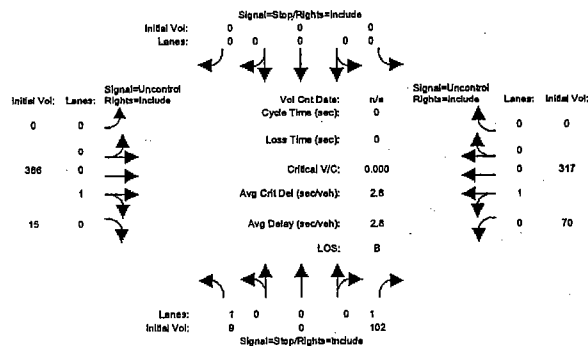


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2000 HCM Unsignalized (Future Volume Alternative)  
2010 No Project AM

Intersection #5: SR 1/Shaffer [N/S: Shaffer E/W: SR 1]



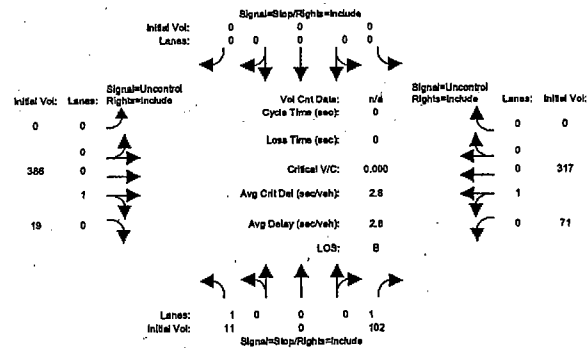
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
<b>Volume Module:</b>												
Base Vol:	8	0	93	0	0	0	0	351	14	64	288	0
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	9	0	102	0	0	0	0	386	15	70	317	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	9	0	102	0	0	0	0	386	15	70	317	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	9	0	102	0	0	0	0	386	15	70	317	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	9	0	102	0	0	0	0	386	15	70	317	0
<b>Critical Gap Module:</b>												
Critical Gp:	6.4	xxxx	6.2	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	4.1	xxxx	xxxx
FollowUpTim:	3.5	xxxx	3.3	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	2.2	xxxx	xxxx
<b>Capacity Module:</b>												
Conflict Vol:	851	xxxx	394	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	402	xxxx	xxxx
Potent Cap.:	333	xxxx	660	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1168	xxxx	xxxx
Move Cap.:	317	xxxx	660	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1168	xxxx	xxxx
<b>Level Of Service Module:</b>												
Stopped Del:	16.7	xxxx	11.5	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.3	xxxx	xxxx
LOS by Move:	C	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.3	xxxx	xxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	11.9	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
ApproachLOS:	B	*	*	*	*	*	*	*	*	*	*	*

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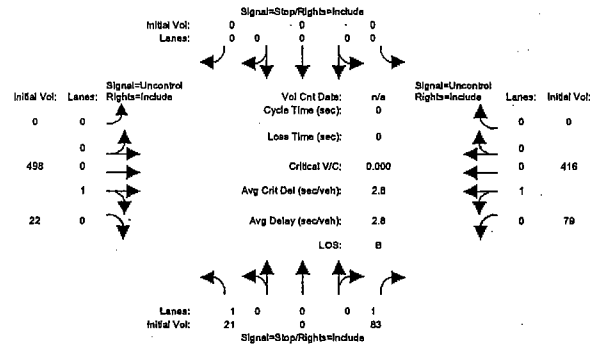
Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2010 Plus Phase 1 AM

Intersection #5: SR 1/Shaffer [N/S: Shaffer E/W: SR 1]



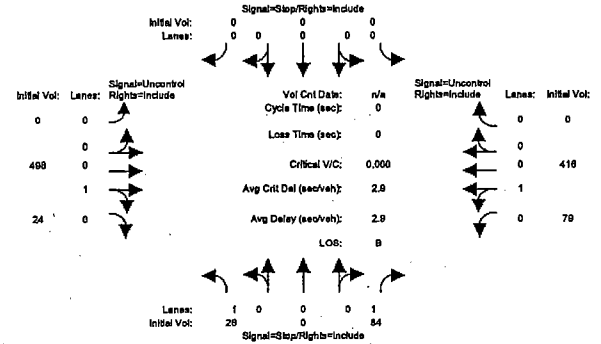
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
<b>Volume Module:</b>												
Base Vol:	8	0	93	0	0	0	0	351	14	64	288	0
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	9	0	102	0	0	0	0	386	15	70	317	0
Added Vol:	2	0	0	0	0	0	0	0	0	4	1	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	11	0	102	0	0	0	0	386	19	71	317	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	11	0	102	0	0	0	0	386	19	71	317	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	11	0	102	0	0	0	0	386	19	71	317	0
<b>Critical Gap Module:</b>												
Critical Gp:	6.4	xxxx	6.2	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	4.1	xxxx	xxxx
FollowUpTim:	3.5	xxxx	3.3	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	2.2	xxxx	xxxx
<b>Capacity Module:</b>												
Conflict Vol:	855	xxxx	396	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	406	xxxx	xxxx
Potent Cap.:	331	xxxx	658	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1164	xxxx	xxxx
Move Cap.:	315	xxxx	658	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	1164	xxxx	xxxx
<b>Level Of Service Module:</b>												
Stopped Del:	16.8	xxxx	11.5	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.3	xxxx	xxxx
LOS by Move:	C	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	8.3	xxxx	xxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	12.0	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
ApproachLOS:	B	*	*	*	*	*	*	*	*	*	*	*

Intersection #5: SR 1/Shaffer [N/S: Shaffer E/W: SR 1]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	19	0	75	0	0	0	0	453	20	72	378	0
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	21	0	83	0	0	0	0	498	22	79	416	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	21	0	83	0	0	0	0	498	22	79	416	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	21	0	83	0	0	0	0	498	22	79	416	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol:	21	0	83	0	0	0	0	498	22	79	416	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	1083	XXXX	509	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	520	XXXX	XXXX
Potent Cap:	242	XXXX	568	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1056	XXXX	XXXX
Move Cap:	228	XXXX	568	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1056	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	22.4	XXXX	12.4	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.7	XXXX	XXXX
LOS by Move:	C	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	- RT	LT - LTR - RT	- RT	LT - LTR - RT	- RT	LT - LTR - RT	- RT	LT - LTR - RT	- RT	LT - LTR - RT	- RT
Shared Cap:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.7	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	14.4											
ApproachLOS:	B											

Intersection #5: SR 1/Shaffer [N/S: Shaffer E/W: SR 1]



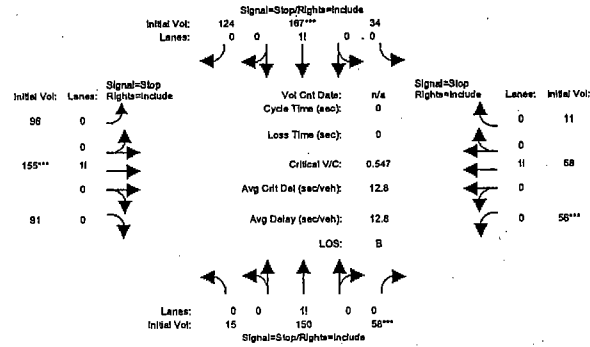
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	19	0	75	0	0	0	0	453	20	72	378	0
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	21	0	83	0	0	0	0	498	22	79	416	0
Added Vol:	5	0	1	0	0	0	0	0	0	2	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	26	0	84	0	0	0	0	498	24	79	416	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	26	0	84	0	0	0	0	498	24	79	416	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol:	26	0	84	0	0	0	0	498	24	79	416	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	1085	XXXX	510	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	522	XXXX	XXXX
Potent Cap:	242	XXXX	567	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1054	XXXX	XXXX
Move Cap:	228	XXXX	567	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1054	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	22.8	XXXX	12.4	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.7	XXXX	XXXX
LOS by Move:	C	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	- RT	LT - LTR - RT	- RT	LT - LTR - RT	- RT	LT - LTR - RT	- RT	LT - LTR - RT	- RT	LT - LTR - RT	- RT
Shared Cap:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.7	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	14.9											
ApproachLOS:	B											

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Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2010 No Project AM

Intersection #6: Delaware/Swift (N/S: Swift EW: Delaware)



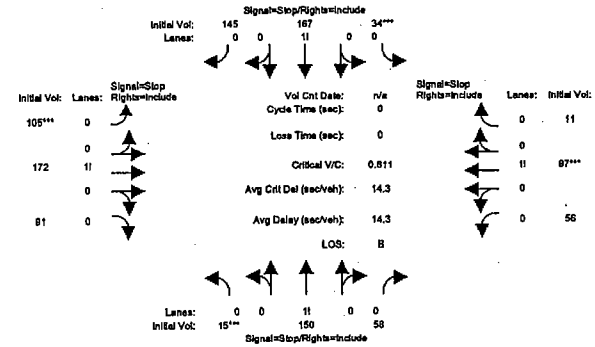
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	14	136	53	31	152	113	87	141	83	51	53	10
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	15	150	58	34	167	124	96	155	91	56	58	11
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	15	150	58	34	167	124	96	155	91	56	58	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	15	150	58	34	167	124	96	155	91	56	58	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	15	150	58	34	167	124	96	155	91	56	58	11
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	15	150	58	34	167	124	96	155	91	56	58	11
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.07	0.67	0.26	0.10	0.52	0.38	0.28	0.45	0.27	0.45	0.46	0.09
Final Sat.:	41	401	156	67	327	243	175	283	167	240	250	47
Capacity Analysis Module:												
Vol/Sat:	0.37	0.37	0.37	0.51	0.51	0.51	0.55	0.55	0.55	0.23	0.23	0.23
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	11.4	11.4	11.4	13.2	13.2	13.2	14.1	14.1	14.1	10.5	10.5	10.5
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	11.4	11.4	11.4	13.2	13.2	13.2	14.1	14.1	14.1	10.5	10.5	10.5
LOS by Move:	B	B	B	B	B	B	B	B	B	B	B	B
ApproachDel:	11.4			13.2			14.1			10.5		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	11.4			13.2			14.1			10.5		
LOS by Appr:	B			B			B			B		

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Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2010 Plus Phase 1 AM

Intersection #6: Delaware/Swift (N/S: Swift EW: Delaware)



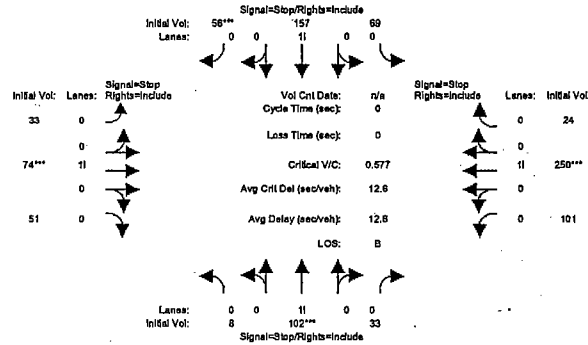
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	14	136	53	31	152	113	87	141	83	51	53	10
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	15	150	58	34	167	124	96	155	91	56	58	11
Added Vol:	0	0	0	0	0	0	0	21	9	17	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	15	150	58	34	167	145	105	172	91	56	97	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	15	150	58	34	167	145	105	172	91	56	97	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	15	150	58	34	167	145	105	172	91	56	97	11
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	15	150	58	34	167	145	105	172	91	56	97	11
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.07	0.67	0.26	0.10	0.48	0.42	0.28	0.47	0.25	0.34	0.59	0.07
Final Sat.:	39	375	146	60	293	255	171	281	149	177	308	35
Capacity Analysis Module:												
Vol/Sat:	0.40	0.40	0.40	0.57	0.57	0.57	0.61	0.61	0.61	0.32	0.32	0.32
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	12.2	12.2	12.2	14.8	14.8	14.8	16.2	16.2	16.2	11.6	11.6	11.6
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	12.2	12.2	12.2	14.8	14.8	14.8	16.2	16.2	16.2	11.6	11.6	11.6
LOS by Move:	B	B	B	B	B	B	C	C	C	B	B	B
ApproachDel:	12.2			14.8			16.2			11.6		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	12.2			14.8			16.2			11.6		
LOS by Appr:	B			B			C			B		

Marine Science Center

November 2003

Level Of Service Computation Report  
 2000 HCM 4-Way Stop (Future Volume Alternative)  
 2010 No Project PM

Intersection #6: Delaware/Swift (N/S: Swift E/W: Delaware)



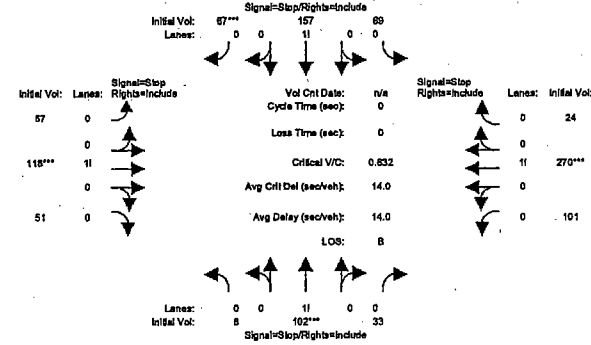
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	7	93	30	63	143	51	30	67	46	92	227	22
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	8	102	33	69	157	56	33	74	51	101	250	24
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	8	102	33	69	157	56	33	74	51	101	250	24
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	8	102	33	69	157	56	33	74	51	101	250	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	102	33	69	157	56	33	74	51	101	250	24
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	102	33	69	157	56	33	74	51	101	250	24
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.05	0.72	0.23	0.24	0.56	0.20	0.21	0.47	0.32	0.27	0.67	0.06
Final Sat.:	31	412	133	152	344	123	126	281	193	175	433	42
Capacity Analysis Module:												
Vol/Sat:	0.25	0.25	0.25	0.46	0.46	0.46	0.26	0.26	0.26	0.58	0.58	0.58
Crit Moves:	****			****			****			****		
Delay/Veh:	10.2	10.2	10.2	12.5	12.5	12.5	10.2	10.2	10.2	14.7	14.7	14.7
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	10.2	10.2	10.2	12.5	12.5	12.5	10.2	10.2	10.2	14.7	14.7	14.7
LOS by Move:	B	B	B	B	B	B	B	B	B	B	B	B
ApproachDel:	10.2			12.5			10.2			14.7		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	10.2			12.5			10.2			14.7		
LOS by Appr:	B			B			B			B		

Marine Science Center

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Level Of Service Computation Report  
 2000 HCM 4-Way Stop (Future Volume Alternative)  
 2010 Plus Phase 1 PM

Intersection #6: Delaware/Swift (N/S: Swift E/W: Delaware)



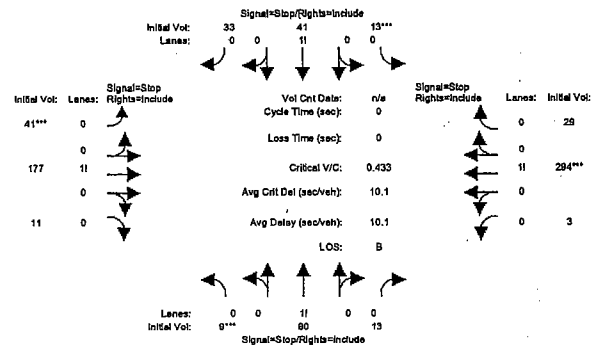
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	7	93	30	63	143	51	30	67	46	92	227	22
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	8	102	33	69	157	56	33	74	51	101	250	24
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	8	102	33	69	157	56	33	74	51	101	250	24
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	8	102	33	69	157	56	33	74	51	101	250	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	102	33	69	157	56	33	74	51	101	250	24
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	102	33	69	157	56	33	74	51	101	250	24
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.05	0.72	0.23	0.24	0.53	0.23	0.25	0.53	0.22	0.26	0.68	0.06
Final Sat.:	29	380	122	138	314	134	147	304	131	160	427	38
Capacity Analysis Module:												
Vol/Sat:	0.27	0.27	0.27	0.50	0.50	0.50	0.39	0.39	0.39	0.63	0.63	0.63
Crit Moves:	****			****			****			****		
Delay/Veh:	10.8	10.8	10.8	13.7	13.7	13.7	11.8	11.8	11.8	16.7	16.7	16.7
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	10.8	10.8	10.8	13.7	13.7	13.7	11.8	11.8	11.8	16.7	16.7	16.7
LOS by Move:	B	B	B	B	B	B	B	B	B	C	C	C
ApproachDel:	10.8			13.7			11.8			16.7		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	10.8			13.7			11.8			16.7		
LOS by Appr:	B			B			B			C		

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Level of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2010 No Project AM

Intersection #7: Delaware/Almar (N/S: Almar EW: Delaware)



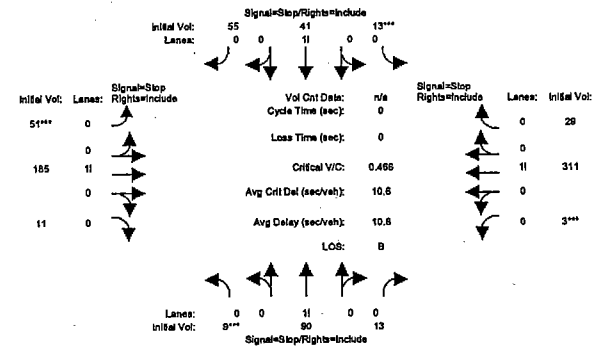
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	8	82	12	12	37	30	37	161	10	3	267	26
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	9	90	13	13	41	33	41	177	11	3	294	29
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	9	90	13	13	41	33	41	177	11	3	294	29
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	9	90	13	13	41	33	41	177	11	3	294	29
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	90	13	13	41	33	41	177	11	3	294	29
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	9	90	13	13	41	33	41	177	11	3	294	29
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.08	0.80	0.12	0.15	0.47	0.38	0.18	0.77	0.05	0.01	0.90	0.09
Final Sat.:	49	505	74	96	297	241	128	557	35	8	678	66
Capacity Analysis Module:												
Vol/Sat:	0.18	0.18	0.18	0.14	0.14	0.14	0.32	0.32	0.32	0.43	0.43	0.43
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	9.2	9.2	9.2	8.9	8.9	8.9	9.9	9.9	9.9	10.9	10.9	10.9
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	9.2	9.2	9.2	8.9	8.9	8.9	9.9	9.9	9.9	10.9	10.9	10.9
LOS by Move:	A	A	A	A	A	A	A	A	A	B	B	B
ApproachDel:	9.2			8.9			9.9			10.9		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	9.2			8.9			9.9			10.9		
LOS by Appr:	A			A			A			B		

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Level of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2010 Plus Phase 1 Adj

Intersection #7: Delaware/Almar (N/S: Almar EW: Delaware)



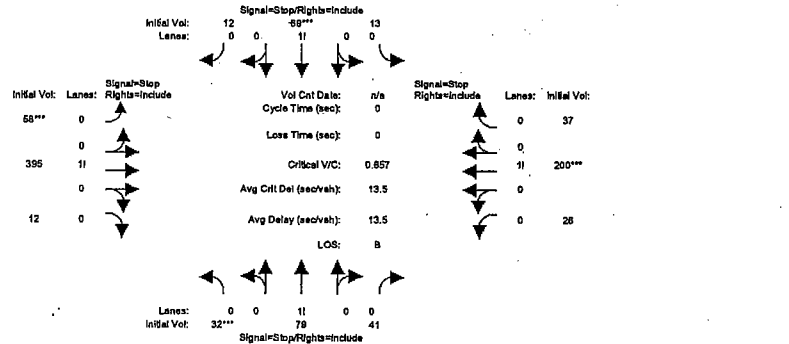
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	8	82	12	12	37	30	37	161	10	3	267	26
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	9	90	13	13	41	33	41	177	11	3	294	29
Added Vol:	0	0	0	0	0	22	10	8	0	0	17	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	9	90	13	13	41	55	51	185	11	3	311	29
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	9	90	13	13	41	55	51	185	11	3	311	29
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	90	13	13	41	55	51	185	11	3	311	29
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	9	90	13	13	41	55	51	185	11	3	311	29
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.08	0.80	0.12	0.12	0.37	0.51	0.21	0.75	0.04	0.01	0.91	0.08
Final Sat.:	48	488	71	76	235	317	145	528	31	7	667	61
Capacity Analysis Module:												
Vol/Sat:	0.18	0.18	0.18	0.17	0.17	0.17	0.35	0.35	0.35	0.47	0.47	0.47
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	9.4	9.4	9.4	9.1	9.1	9.1	10.4	10.4	10.4	11.6	11.6	11.6
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	9.4	9.4	9.4	9.1	9.1	9.1	10.4	10.4	10.4	11.6	11.6	11.6
LOS by Move:	A	A	A	A	A	A	B	B	B	B	B	B
ApproachDel:	9.4			9.1			10.4			11.6		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	9.4			9.1			10.4			11.6		
LOS by Appr:	A			A			B			B		

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Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2010 No Project PM

Intersection #7: Delaware/Almar [N/S: Almar E/W: Delaware]



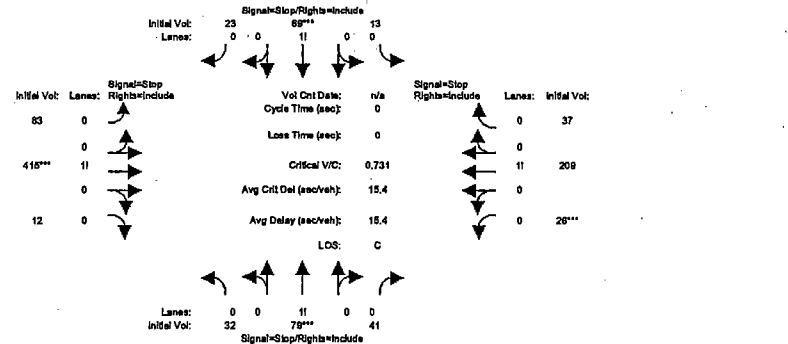
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	29	72	37	12	63	11	53	359	11	24	182	34
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	32	79	41	13	69	12	58	395	12	26	200	37
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	32	79	41	13	69	12	58	395	12	26	200	37
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	32	79	41	13	69	12	58	395	12	26	200	37
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	32	79	41	13	69	12	58	395	12	26	200	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	32	79	41	13	69	12	58	395	12	26	200	37
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.21	0.52	0.27	0.14	0.73	0.13	0.12	0.85	0.03	0.10	0.76	0.14
Final Sat.:	120	297	153	75	395	69	89	601	18	67	506	94
Capacity Analysis Module:												
Vol/Sat:	0.27	0.27	0.27	0.18	0.18	0.18	0.66	0.66	0.66	0.40	0.40	0.40
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	10.5	10.5	10.5	9.9	9.9	9.9	16.4	16.4	16.4	11.2	11.2	11.2
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	10.5	10.5	10.5	9.9	9.9	9.9	16.4	16.4	16.4	11.2	11.2	11.2
LOS by Move:	B	B	B	A	A	A	C	C	C	B	B	B
ApproachDel:	10.5			9.9			16.4			11.2		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	10.5			9.9			16.4			11.2		
LOS by Appr:	B			A			C			B		

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Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2010 Phase 1 PM

Intersection #7: Delaware/Almar [N/S: Almar E/W: Delaware]



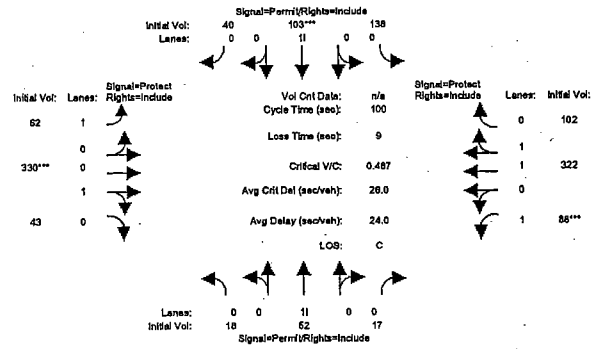
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	29	72	37	12	63	11	53	359	11	24	182	34
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	32	79	41	13	69	12	58	395	12	26	200	37
Added Vol:	0	0	0	0	0	0	0	0	11	25	20	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	32	79	41	13	69	23	83	415	12	26	209	37
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	32	79	41	13	69	23	83	415	12	26	209	37
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	32	79	41	13	69	23	83	415	12	26	209	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	32	79	41	13	69	23	83	415	12	26	209	37
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.21	0.52	0.27	0.12	0.66	0.22	0.16	0.82	0.02	0.10	0.76	0.14
Final Sat.:	115	286	147	66	345	115	114	568	17	63	497	89
Capacity Analysis Module:												
Vol/Sat:	0.28	0.28	0.28	0.20	0.20	0.20	0.73	0.73	0.73	0.42	0.42	0.42
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	10.8	10.8	10.8	10.3	10.3	10.3	19.7	19.7	19.7	11.7	11.7	11.7
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	10.8	10.8	10.8	10.3	10.3	10.3	19.7	19.7	19.7	11.7	11.7	11.7
LOS by Move:	B	B	B	B	B	B	C	C	C	B	B	B
ApproachDel:	10.8			10.3			19.7			11.7		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	10.8			10.3			19.7			11.7		
LOS by Appr:	B			B			C			B		

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2010 No Project AM

Intersection #8: SR 1/Western [N/S: Western E/w: SR 1]



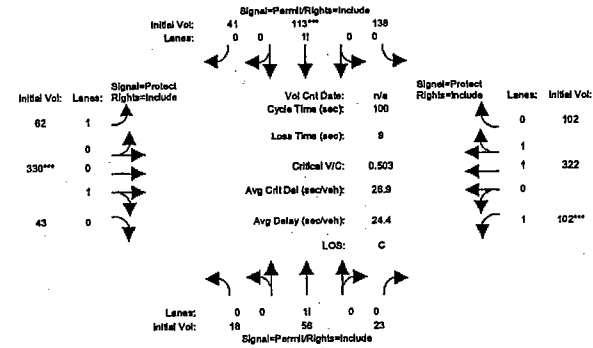
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	16	47	15	125	94	36	56	300	39	80	293	93
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	18	52	17	138	103	40	62	330	43	88	322	102
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	18	52	17	138	103	40	62	330	43	88	322	102
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	18	52	17	138	103	40	62	330	43	88	322	102
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	52	17	138	103	40	62	330	43	88	322	102
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	18	52	17	138	103	40	62	330	43	88	322	102
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.88	0.88	0.88	0.78	0.78	0.78	0.93	0.96	0.96	0.93	0.90	0.90
Lanes:	0.21	0.60	0.19	0.49	0.37	0.14	1.00	0.88	0.12	1.00	1.52	0.48
Final Sat.:	343	1009	322	723	544	208	1769	1620	211	1769	2589	822
Capacity Analysis Module:												
Vol/Sat:	0.05	0.05	0.05	0.19	0.19	0.19	0.03	0.20	0.20	0.05	0.12	0.12
Crit Moves:	****											
Green/Cycle:	0.39	0.39	0.39	0.39	0.39	0.39	0.11	0.42	0.42	0.10	0.41	0.41
Volume/Cap:	0.13	0.13	0.13	0.49	0.49	0.49	0.31	0.49	0.49	0.49	0.31	0.31
Delay/Veh:	19.7	19.7	19.7	23.6	23.6	23.6	41.6	21.8	21.8	44.5	20.2	20.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	19.7	19.7	19.7	23.6	23.6	23.6	41.6	21.8	21.8	44.5	20.2	20.2
DesignQueue:	1	2	1	5	4	1	3	11	1	4	11	3

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2010 Plus Phase 1 AM

Intersection #8: SR 1/Western [N/S: Western E/w: SR 1]

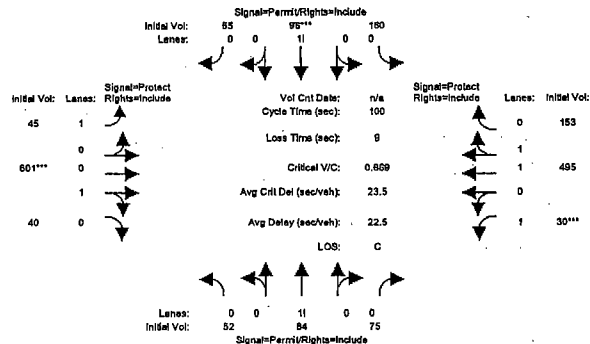


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	16	47	15	125	94	36	56	300	39	80	293	93
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	18	52	17	138	103	40	62	330	43	88	322	102
Added Vol:	0	4	6	0	10	1	0	0	0	0	14	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	18	56	23	138	113	41	62	330	43	102	322	102
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	18	56	23	138	113	41	62	330	43	102	322	102
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	56	23	138	113	41	62	330	43	102	322	102
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	18	56	23	138	113	41	62	330	43	102	322	102
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.88	0.88	0.88	0.78	0.78	0.78	0.93	0.96	0.96	0.93	0.90	0.90
Lanes:	0.18	0.59	0.23	0.47	0.39	0.14	1.00	0.88	0.12	1.00	1.52	0.48
Final Sat.:	307	973	393	700	577	207	1769	1620	211	1769	2589	822
Capacity Analysis Module:												
Vol/Sat:	0.06	0.06	0.06	0.20	0.20	0.20	0.03	0.20	0.20	0.06	0.12	0.12
Crit Moves:	****											
Green/Cycle:	0.39	0.39	0.39	0.39	0.39	0.39	0.11	0.40	0.40	0.11	0.41	0.41
Volume/Cap:	0.15	0.15	0.15	0.50	0.50	0.50	0.31	0.50	0.50	0.50	0.31	0.31
Delay/Veh:	19.8	19.8	19.8	23.8	23.8	23.8	41.6	22.8	22.8	43.6	20.3	20.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	19.8	19.8	19.8	23.8	23.8	23.8	41.6	22.8	22.8	43.6	20.3	20.3
DesignQueue:	1	2	1	5	4	1	3	12	1	5	11	3

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2010 No Project PM

Intersection #8: SR 1/Western [N/S: Western E/W: SR 1]

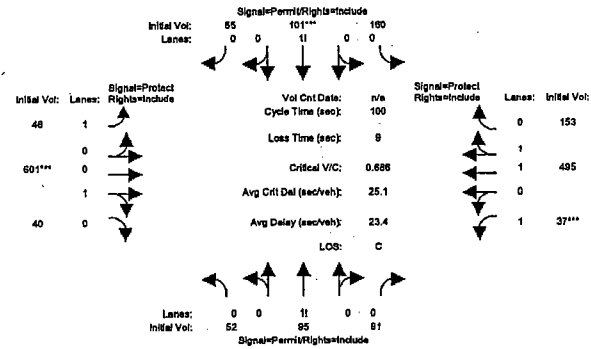


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	47	76	68	145	87	50	41	546	36	27	450	139
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	52	84	75	160	96	55	45	601	40	30	495	153
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	52	84	75	160	96	55	45	601	40	30	495	153
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	52	84	75	160	96	55	45	601	40	30	495	153
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	52	84	75	160	96	55	45	601	40	30	495	153
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	52	84	75	160	96	55	45	601	40	30	495	153
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.81	0.81	0.81	0.67	0.67	0.67	0.93	0.97	0.97	0.93	0.90	0.90
Lanes:	0.25	0.40	0.35	0.51	0.31	0.18	1.00	0.94	0.06	1.00	1.53	0.47
Final Sat.:	379	614	549	650	390	224	1769	1731	114	1769	2608	806
Capacity Analysis Module:												
Vol/Sat:	0.14	0.14	0.14	0.25	0.25	0.25	0.03	0.35	0.35	0.02	0.19	0.19
Crit Moves:				****			****			****		
Green/Cycle:	0.37	0.37	0.37	0.37	0.37	0.37	0.06	0.52	0.52	0.03	0.48	0.48
Volume/Cap:	0.37	0.37	0.37	0.67	0.67	0.67	0.40	0.67	0.67	0.67	0.40	0.40
Delay/Veh:	23.6	23.6	23.6	30.3	30.3	30.3	47.2	19.6	19.6	81.3	16.9	16.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	23.6	23.6	23.6	30.3	30.3	30.3	47.2	19.6	19.6	81.3	16.9	16.9
DesignQueue:	2	3	3	6	4	2	2	18	1	2	15	5

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Intersection #8: SR 1/Western [N/S: Western E/W: SR 1]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	47	76	68	145	87	50	41	546	36	27	450	139
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	52	84	75	160	96	55	45	601	40	30	495	153
Added Vol:	0	11	16	0	5	0	1	0	0	7	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	52	95	91	160	101	55	46	601	40	37	495	153
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	52	95	91	160	101	55	46	601	40	37	495	153
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	52	95	91	160	101	55	46	601	40	37	495	153
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	52	95	91	160	101	55	46	601	40	37	495	153
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.82	0.82	0.82	0.65	0.65	0.65	0.93	0.97	0.97	0.93	0.90	0.90
Lanes:	0.22	0.40	0.38	0.51	0.32	0.17	1.00	0.94	0.06	1.00	1.53	0.47
Final Sat.:	339	621	596	622	393	215	1769	1731	114	1769	2608	806
Capacity Analysis Module:												
Vol/Sat:	0.15	0.15	0.15	0.26	0.26	0.26	0.03	0.35	0.35	0.02	0.19	0.19
Crit Moves:				****			****			****		
Green/Cycle:	0.37	0.37	0.37	0.37	0.37	0.37	0.06	0.51	0.51	0.03	0.47	0.47
Volume/Cap:	0.41	0.41	0.41	0.69	0.69	0.69	0.40	0.69	0.69	0.69	0.40	0.40
Delay/Veh:	23.6	23.6	23.6	30.7	30.7	30.7	47.2	20.8	20.8	79.1	17.4	17.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	23.6	23.6	23.6	30.7	30.7	30.7	47.2	20.8	20.8	79.1	17.4	17.4
DesignQueue:	2	3	3	6	4	2	2	18	1	2	15	5

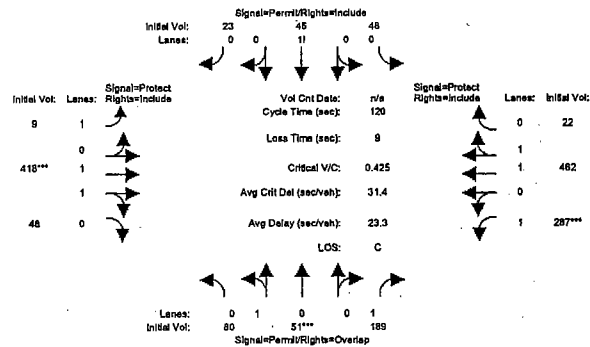


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Intersection #9: SR 1/Swift [N/S: Swift E/W: SR 1]



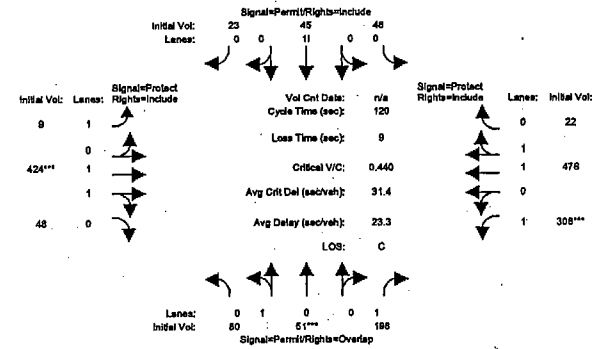
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	73	46	172	44	41	21	8	380	44	261	420	20
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	80	51	189	48	45	23	9	418	48	287	462	22
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	80	51	189	48	45	23	9	418	48	287	462	22
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	80	51	189	48	45	23	9	418	48	287	462	22
Reduc Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	80	51	189	48	45	23	9	418	48	287	462	22
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	80	51	189	48	45	23	9	418	48	287	462	22
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.71	0.71	0.83	0.80	0.80	0.80	0.93	0.92	0.92	0.93	0.92	0.92
Lanes:	0.61	0.39	1.00	0.41	0.39	0.20	1.00	1.79	0.21	1.00	1.91	0.09
Final Sat.:	833	525	1583	630	587	301	1769	3120	361	1769	3353	160
Capacity Analysis Module:												
Vol/Sat:	0.10	0.10	0.12	0.08	0.08	0.08	0.00	0.13	0.13	0.16	0.14	0.14
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.23	0.23	0.61	0.23	0.23	0.23	0.02	0.32	0.32	0.38	0.67	0.67
Volume/Cap:	0.42	0.42	0.20	0.34	0.34	0.34	0.20	0.42	0.42	0.42	0.20	0.20
Delay/Veh:	40.6	40.6	10.5	39.4	39.4	39.4	59.8	32.7	32.7	27.8	7.5	7.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	40.6	40.6	10.5	39.4	39.4	39.4	59.8	32.7	32.7	27.8	7.5	7.5
DesignQueue:	4	3	5	3	2	1	1	20	2	12	10	0

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Intersection #9: SR 1/Swift [N/S: Swift E/W: SR 1]



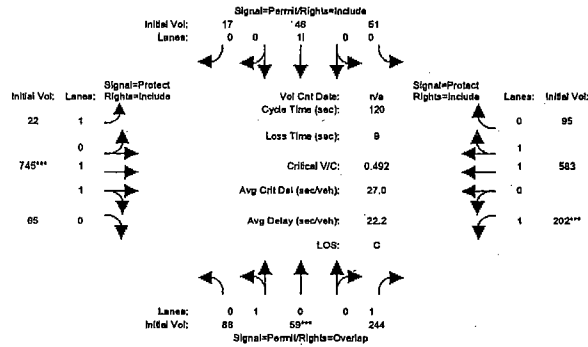
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	73	46	172	44	41	21	8	380	44	261	420	20
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	80	51	189	48	45	23	9	418	48	287	462	22
Added Vol:	0	0	9	0	0	0	0	0	6	0	21	14
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	80	51	198	48	45	23	9	424	48	308	476	22
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	80	51	198	48	45	23	9	424	48	308	476	22
Reduc Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	80	51	198	48	45	23	9	424	48	308	476	22
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	80	51	198	48	45	23	9	424	48	308	476	22
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.71	0.71	0.83	0.80	0.80	0.80	0.93	0.92	0.92	0.93	0.92	0.92
Lanes:	0.61	0.39	1.00	0.41	0.39	0.20	1.00	1.80	0.20	1.00	1.91	0.09
Final Sat.:	828	522	1583	629	587	300	1769	3128	357	1769	3358	155
Capacity Analysis Module:												
Vol/Sat:	0.10	0.10	0.13	0.08	0.08	0.08	0.00	0.14	0.14	0.17	0.14	0.14
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.22	0.22	0.62	0.22	0.22	0.22	0.02	0.31	0.31	0.40	0.68	0.68
Volume/Cap:	0.44	0.44	0.20	0.35	0.35	0.35	0.21	0.44	0.44	0.44	0.21	0.21
Delay/Veh:	41.4	41.4	10.2	40.1	40.1	40.1	59.9	33.5	33.5	26.9	7.2	7.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	41.4	41.4	10.2	40.1	40.1	40.1	59.9	33.5	33.5	26.9	7.2	7.2
DesignQueue:	4	3	5	3	2	1	1	20	2	13	10	0

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Level of Service Computation Report  
2000 HCM Operations Future Volume Alternative  
2010 No Project PM

Intersection #9: SR 1/Swift [NS: Swift E/W: SR 1]



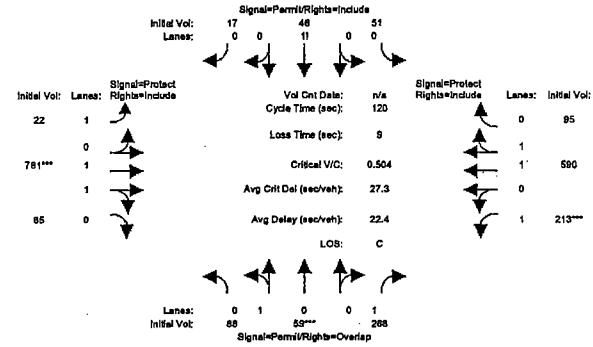
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	80	54	222	46	42	15	20	677	59	184	530	86
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	88	59	244	51	46	17	22	745	65	202	583	95
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	88	59	244	51	46	17	22	745	65	202	583	95
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	88	59	244	51	46	17	22	745	65	202	583	95
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	88	59	244	51	46	17	22	745	65	202	583	95
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	88	59	244	51	46	17	22	745	65	202	583	95
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.71	0.71	0.83	0.77	0.77	0.77	0.93	0.92	0.92	0.93	0.91	0.91
Lanes:	0.60	0.40	1.00	0.45	0.41	0.14	1.00	1.84	0.16	1.00	1.72	0.28
Final Sat.:	809	546	1583	655	598	214	1769	3215	280	1769	2980	484
Capacity Analysis Module:												
Vol/Sat:	0.11	0.11	0.15	0.08	0.08	0.08	0.01	0.23	0.23	0.11	0.20	0.20
Crit Moves:	****						****			****		
Green/Cycle:	0.22	0.22	0.45	0.22	0.22	0.22	0.04	0.47	0.47	0.23	0.66	0.66
Volume/Cap:	0.49	0.49	0.34	0.35	0.35	0.35	0.30	0.49	0.49	0.49	0.30	0.30
Delay/Veh:	42.1	42.1	21.4	40.1	40.1	40.1	58.0	22.1	22.1	40.8	8.6	8.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	42.1	42.1	21.4	40.1	40.1	40.1	58.0	22.1	22.1	40.8	8.6	8.6
DesignQueue:	5	3	9	3	2	1	1	28	2	11	14	2

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Level of Service Computation Report  
2000 HCM Operations Future Volume Alternative  
2010 Plus Phase 1 PM

Intersection #9: SR 1/Swift [NS: Swift E/W: SR 1]



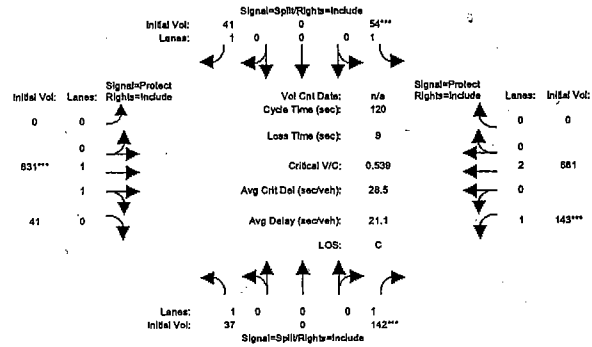
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	80	54	222	46	42	15	20	677	59	184	530	86
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	88	59	244	51	46	17	22	745	65	202	583	95
Added Vol:	0	0	24	0	0	0	0	16	0	11	7	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	88	59	268	51	46	17	22	761	65	213	590	95
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	88	59	268	51	46	17	22	761	65	213	590	95
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	88	59	268	51	46	17	22	761	65	213	590	95
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	88	59	268	51	46	17	22	761	65	213	590	95
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.71	0.71	0.83	0.76	0.76	0.76	0.93	0.92	0.92	0.93	0.91	0.91
Lanes:	0.60	0.40	1.00	0.45	0.41	0.14	1.00	1.84	0.16	1.00	1.72	0.28
Final Sat.:	806	544	1583	649	592	212	1769	3221	275	1769	2985	479
Capacity Analysis Module:												
Vol/Sat:	0.11	0.11	0.17	0.08	0.08	0.08	0.01	0.24	0.24	0.12	0.20	0.20
Crit Moves:	****						****			****		
Green/Cycle:	0.22	0.22	0.46	0.22	0.22	0.22	0.04	0.47	0.47	0.24	0.67	0.67
Volume/Cap:	0.50	0.50	0.37	0.36	0.36	0.36	0.30	0.50	0.50	0.50	0.30	0.30
Delay/Veh:	42.7	42.7	21.7	40.6	40.6	40.6	58.0	22.4	22.4	40.4	8.4	8.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	42.7	42.7	21.7	40.6	40.6	40.6	58.0	22.4	22.4	40.4	8.4	8.4
DesignQueue:	5	3	10	3	2	1	1	29	2	11	14	2

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 No Project AM

Intersection #10: Mission/Almar (N/S: Almar E/W: Mission)



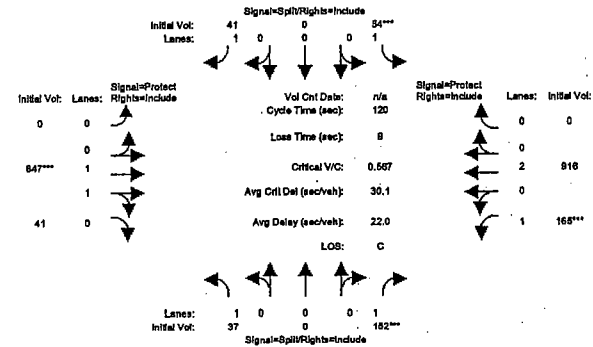
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	34	0	129	49	0	37	0	755	37	130	801	0
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	37	0	142	54	0	41	0	831	41	143	881	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	37	0	142	54	0	41	0	831	41	143	881	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	42	0	158	60	0	45	0	923	45	159	979	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	42	0	158	60	0	45	0	923	45	159	979	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	42	0	158	60	0	45	0	923	45	159	979	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	1.00	0.83	0.93	1.00	0.83	1.00	0.92	0.92	0.93	0.93	1.00
Lanes:	1.00	0.00	1.00	1.00	0.00	1.00	0.00	1.91	0.09	1.00	2.00	0.00
Final Sat.:	1769	0	1583	1769	0	1583	0	3349	164	1769	3538	0
Capacity Analysis Module:												
Vol/Sat:	0.02	0.00	0.10	0.03	0.00	0.03	0.00	0.28	0.28	0.09	0.28	0.00
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.18	0.00	0.18	0.06	0.00	0.06	0.00	0.51	0.51	0.17	0.68	0.00
Volume/Cap:	0.13	0.00	0.54	0.54	0.00	0.46	0.00	0.54	0.54	0.54	0.41	0.00
Delay/Veh:	41.0	0.0	46.3	59.8	0.0	57.5	0.0	20.1	20.1	47.8	8.7	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	41.0	0.0	46.3	59.8	0.0	57.5	0.0	20.1	20.1	47.8	8.7	0.0
DesignQueue:	2	0	9	4	0	3	0	32	2	9	23	0

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 Plus Phase 1 AM

Intersection #10: Mission/Almar (N/S: Almar E/W: Mission)



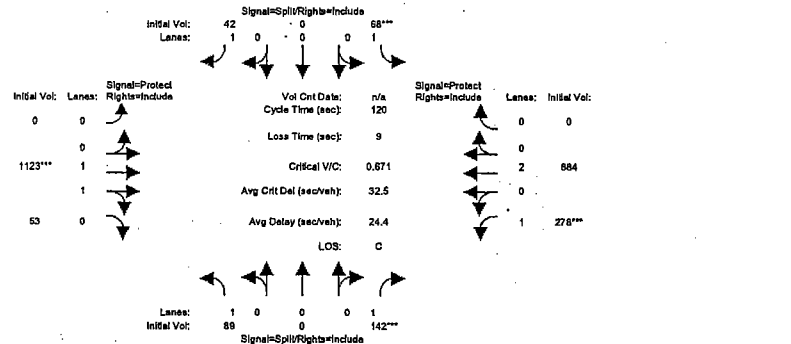
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	34	0	129	49	0	37	0	755	37	130	801	0
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	37	0	142	54	0	41	0	831	41	143	881	0
Added Vol:	0	0	10	0	0	0	0	16	0	22	35	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	37	0	152	54	0	41	0	847	41	165	916	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	42	0	169	60	0	45	0	941	45	183	1018	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	42	0	169	60	0	45	0	941	45	183	1018	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	42	0	169	60	0	45	0	941	45	183	1018	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	1.00	0.83	0.93	1.00	0.83	1.00	0.92	0.92	0.93	0.93	1.00
Lanes:	1.00	0.00	1.00	1.00	0.00	1.00	0.00	1.91	0.09	1.00	2.00	0.00
Final Sat.:	1769	0	1583	1769	0	1583	0	3352	161	1769	3538	0
Capacity Analysis Module:												
Vol/Sat:	0.02	0.00	0.11	0.03	0.00	0.03	0.00	0.28	0.28	0.10	0.29	0.00
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.19	0.00	0.19	0.06	0.00	0.06	0.00	0.49	0.49	0.18	0.68	0.00
Volume/Cap:	0.12	0.00	0.57	0.57	0.00	0.48	0.00	0.57	0.57	0.57	0.42	0.00
Delay/Veh:	40.7	0.0	46.9	62.0	0.0	58.4	0.0	21.7	21.7	47.1	8.9	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	40.7	0.0	46.9	62.0	0.0	58.4	0.0	21.7	21.7	47.1	8.9	0.0
DesignQueue:	2	0	9	4	0	3	0	34	2	10	24	0

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 No Project PM

Intersection #10: Mission/Almar [NS: Almar E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	81	0	129	62	0	38	0	1021	48	253	804	0
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	89	0	142	68	0	42	0	1123	53	278	884	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	89	0	142	68	0	42	0	1123	53	278	884	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	89	0	142	68	0	42	0	1123	53	278	884	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	89	0	142	68	0	42	0	1123	53	278	884	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	89	0	142	68	0	42	0	1123	53	278	884	0

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	1.00	0.83	0.93	1.00	0.83	1.00	0.92	0.92	0.93	0.93	1.00
Lanes:	1.00	0.00	1.00	1.00	0.00	1.00	0.00	1.91	0.09	1.00	2.00	0.00
Final Sat.:	1769	0	1583	1769	0	1583	0	3355	158	1769	3538	0

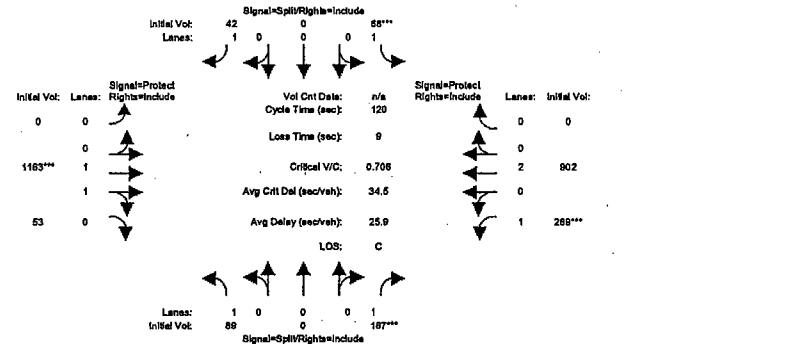
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.05	0.00	0.09	0.04	0.00	0.03	0.00	0.33	0.33	0.16	0.25	0.00
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.13	0.00	0.13	0.06	0.00	0.06	0.00	0.50	0.50	0.23	0.73	0.00
Volume/Cap:	0.38	0.00	0.67	0.67	0.00	0.46	0.00	0.67	0.67	0.67	0.34	0.00
Delay/Veh:	48.4	0.0	57.6	71.5	0.0	58.4	0.0	23.6	23.6	45.9	5.7	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	48.4	0.0	57.6	71.5	0.0	58.4	0.0	23.6	23.6	45.9	5.7	0.0
DesignQueue:	5	0	8	4	0	3	0	41	2	15	17	0

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 Plus Phase 1 PM

Intersection #10: Mission/Almar [NS: Almar E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	81	0	129	62	0	38	0	1021	48	253	804	0
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	89	0	142	68	0	42	0	1123	53	278	884	0
Added Vol:	0	0	25	0	0	0	0	0	40	0	11	18
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	89	0	167	68	0	42	0	1163	53	289	902	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	89	0	167	68	0	42	0	1163	53	289	902	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	89	0	167	68	0	42	0	1163	53	289	902	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	89	0	167	68	0	42	0	1163	53	289	902	0

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	1.00	0.83	0.93	1.00	0.83	1.00	0.93	0.93	0.93	0.93	1.00
Lanes:	1.00	0.00	1.00	1.00	0.00	1.00	0.00	1.91	0.09	1.00	2.00	0.00
Final Sat.:	1769	0	1583	1769	0	1583	0	3364	153	1769	3538	0

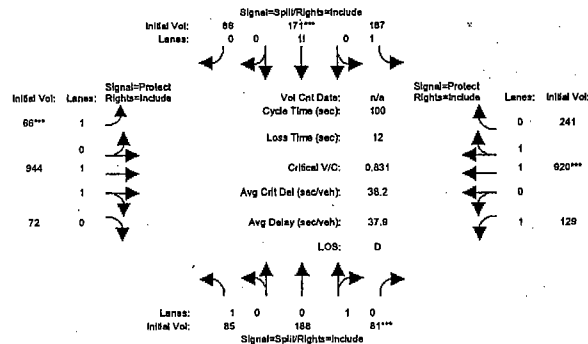
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.05	0.00	0.11	0.04	0.00	0.03	0.00	0.35	0.35	0.16	0.26	0.00
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.15	0.00	0.15	0.05	0.00	0.05	0.00	0.49	0.49	0.23	0.72	0.00
Volume/Cap:	0.34	0.00	0.71	0.71	0.00	0.48	0.00	0.71	0.71	0.71	0.35	0.00
Delay/Veh:	46.5	0.0	57.9	77.0	0.0	59.3	0.0	25.3	25.3	47.9	6.3	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	46.5	0.0	57.9	77.0	0.0	59.3	0.0	25.3	25.3	47.9	6.3	0.0
DesignQueue:	5	0	10	4	0	3	0	43	2	15	18	0

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 No Project AM

Intersection #11: Mission/Bay [N/S: Bay E/W: Mission]



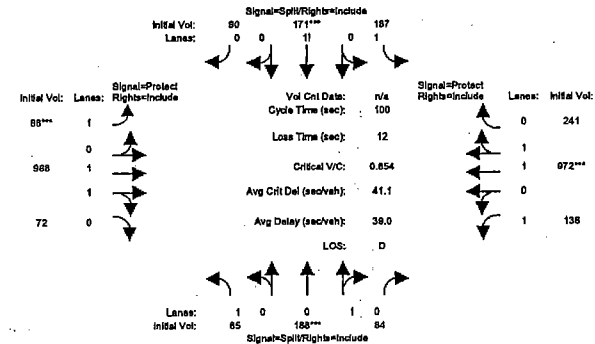
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:												
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	77	171	74	170	155	78	60	858	65	117	836	219
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	85	188	81	187	171	86	66	944	72	129	920	241
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	85	188	81	187	171	86	66	944	72	129	920	241
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	85	188	81	187	171	86	66	944	72	129	920	241
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	85	188	81	187	171	86	66	944	72	129	920	241
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	85	188	81	187	171	86	66	944	72	129	920	241
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.91	0.92	0.92	0.91	0.91	0.91	0.93	0.92	0.92	0.93	0.90	0.90
Lanes:	1.00	0.70	0.30	1.27	0.49	0.24	1.00	1.86	0.14	1.00	1.58	0.42
Final Sat.:	1736	1218	527	2202	847	426	1769	3256	247	1769	2717	712
Capacity Analysis Module:												
Vol/Sat:	0.05	0.15	0.15	0.08	0.20	0.20	0.04	0.29	0.29	0.07	0.34	0.34
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.19	0.19	0.19	0.24	0.24	0.24	0.04	0.36	0.36	0.09	0.41	0.41
Volume/Cap:	0.26	0.83	0.83	0.35	0.83	0.83	0.83	0.80	0.80	0.80	0.83	0.83
Delay/Veh:	35.3	55.6	55.6	31.5	46.6	46.6	96.8	32.5	32.5	69.0	30.9	30.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	35.3	55.6	55.6	31.5	46.6	46.6	96.8	32.5	32.5	69.0	30.9	30.9
DesignQueue:	4	9	4	8	8	4	4	36	3	7	33	9

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 Plus Phase I AM

Intersection #11: Mission/Bay [N/S: Bay E/W: Mission]



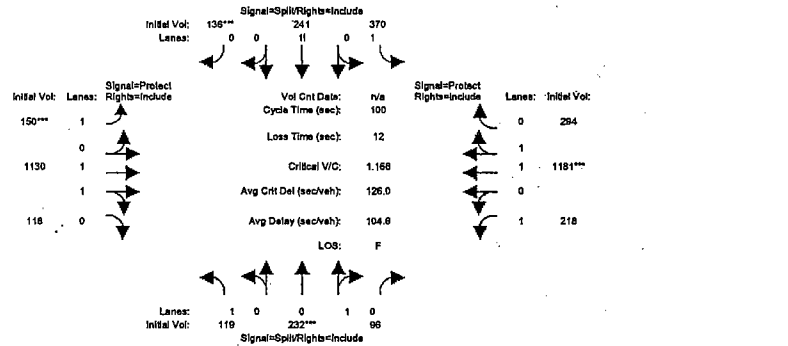
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:												
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	77	171	74	170	155	78	60	858	65	117	836	219
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	85	188	81	187	171	86	66	944	72	129	920	241
Added Vol:	0	0	3	0	0	4	2	24	0	7	52	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	85	188	84	187	171	90	68	968	72	136	972	241
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	85	188	84	187	171	90	68	968	72	136	972	241
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	85	188	84	187	171	90	68	968	72	136	972	241
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	85	188	84	187	171	90	68	968	72	136	972	241
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.91	0.92	0.92	0.91	0.91	0.91	0.93	0.92	0.92	0.93	0.90	0.90
Lanes:	1.00	0.69	0.31	1.27	0.48	0.25	1.00	1.86	0.14	1.00	1.60	0.40
Final Sat.:	1736	1204	540	2197	837	441	1769	3261	241	1769	2750	682
Capacity Analysis Module:												
Vol/Sat:	0.05	0.16	0.16	0.09	0.20	0.20	0.04	0.30	0.30	0.08	0.35	0.35
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.18	0.18	0.18	0.24	0.24	0.24	0.05	0.36	0.36	0.09	0.41	0.41
Volume/Cap:	0.27	0.85	0.85	0.36	0.85	0.85	0.85	0.81	0.81	0.81	0.85	0.85
Delay/Veh:	35.5	59.1	59.1	31.9	49.3	49.3	102.6	32.9	32.9	69.9	31.9	31.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	35.5	59.1	59.1	31.9	49.3	49.3	102.6	32.9	32.9	69.9	31.9	31.9
DesignQueue:	4	9	4	8	8	4	4	37	3	7	35	9

Marine Science Center

November 2003

Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 No Project PM

Intersection #11: Mission/Bay [N/S: Bay E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	108	211	87	336	219	124	136	1027	107	198	1074	267
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	119	232	96	370	241	136	150	1130	118	218	1181	294
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	119	232	96	370	241	136	150	1130	118	218	1181	294
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	119	232	96	370	241	136	150	1130	118	218	1181	294
Reduc Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	119	232	96	370	241	136	150	1130	118	218	1181	294
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	119	232	96	370	241	136	150	1130	118	218	1181	294

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.91	0.92	0.92	0.91	0.91	0.91	0.93	0.92	0.92	0.93	0.90	0.90
Lanes:	1.00	0.71	0.29	1.33	0.43	0.24	1.00	1.81	0.19	1.00	1.60	0.40
Final Sat.:	1736	1237	510	2306	744	421	1769	3159	329	1769	2748	683

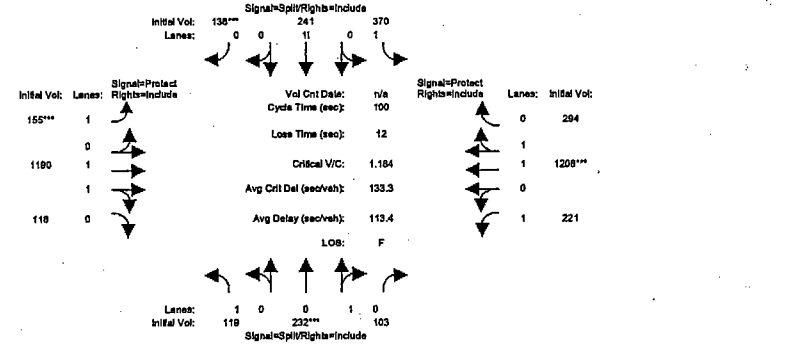
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.07	0.19	0.19	0.16	0.32	0.32	0.08	0.36	0.36	0.12	0.43	0.43
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.16	0.16	0.16	0.28	0.28	0.28	0.07	0.33	0.33	0.11	0.37	0.37
Volume/Cap:	0.43	1.17	1.17	0.58	1.17	1.17	1.17	1.09	1.17	1.09	1.17	1.17
Delay/Veh:	38.8	148	148.2	31.7	127	126.9	177.2	88.0	88.0	133.9	115	115.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.8	148	148.2	31.7	127	126.9	177.2	88.0	88.0	133.9	115	115.1
DesignQueue:	6	11	5	15	10	6	8	46	5	11	46	11

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 Plus Phase 1 PM

Intersection #11: Mission/Bay [N/S: Bay E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	108	211	87	336	219	124	136	1027	107	198	1074	267
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	119	232	96	370	241	136	150	1130	118	218	1181	294
Added Vol:	0	0	7	0	0	2	5	60	0	3	27	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	119	232	103	370	241	138	155	1190	118	221	1208	294
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	119	232	103	370	241	138	155	1190	118	221	1208	294
Reduc Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	119	232	103	370	241	138	155	1190	118	221	1208	294
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	119	232	103	370	241	138	155	1190	118	221	1208	294

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.91	0.92	0.92	0.91	0.91	0.91	0.93	0.92	0.92	0.93	0.90	0.90
Lanes:	1.00	0.69	0.31	1.33	0.43	0.24	1.00	1.82	0.18	1.00	1.61	0.39
Final Sat.:	1736	1209	535	2302	741	425	1769	3177	314	1769	2764	672

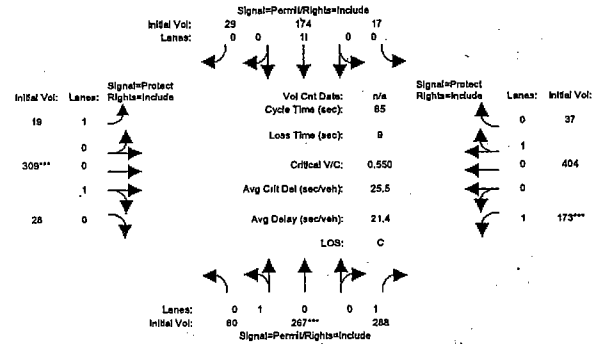
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.07	0.19	0.19	0.16	0.33	0.33	0.09	0.37	0.37	0.12	0.44	0.44
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.16	0.16	0.16	0.27	0.27	0.27	0.07	0.33	0.33	0.11	0.37	0.37
Volume/Cap:	0.42	1.18	1.18	0.58	1.18	1.18	1.18	1.13	1.13	1.13	1.18	1.18
Delay/Veh:	38.7	155	154.8	32.0	135	134.5	182.9	102	101.9	146.9	123	122.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.7	155	154.8	32.0	135	134.5	182.9	102	101.9	146.9	123	122.7
DesignQueue:	6	11	5	15	11	6	8	49	5	11	47	11

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 No Protect AM

Intersection #12: Laurel/California [N/S: California E/W: Laurel]



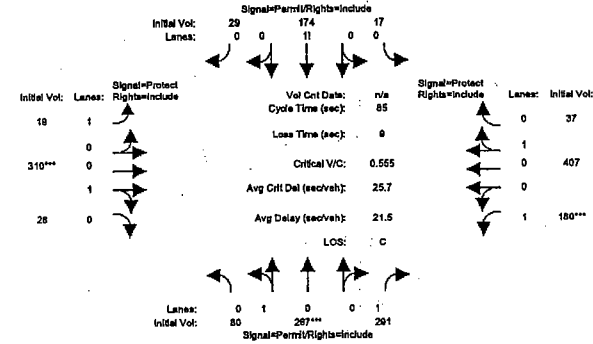
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	73	243	262	15	158	26	17	281	25	157	367	34
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	80	267	288	17	174	29	19	309	28	173	404	37
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	80	267	288	17	174	29	19	309	28	173	404	37
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	80	267	288	17	174	29	19	309	28	173	404	37
Reduc Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	80	267	288	17	174	29	19	309	28	173	404	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	80	267	288	17	174	29	19	309	28	173	404	37
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.87	0.87	0.83	0.93	0.93	0.93	0.93	0.97	0.97	0.93	0.97	0.97
Lanes:	0.23	0.77	1.00	0.08	0.79	0.13	1.00	0.92	0.08	1.00	0.92	0.08
Final Sat.:	380	1264	1583	133	1399	230	1769	1689	150	1769	1682	155
Capacity Analysis Module:												
Vol/Sat:	0.21	0.21	0.18	0.12	0.12	0.12	0.01	0.18	0.18	0.10	0.24	0.24
Crit Moves:	****											
Green/Cycle:	0.38	0.38	0.38	0.38	0.38	0.38	0.02	0.33	0.33	0.18	0.49	0.49
Volume/Cap:	0.55	0.55	0.47	0.32	0.32	0.32	0.49	0.55	0.55	0.55	0.49	0.49
Delay/Veh:	21.5	21.5	20.3	18.7	18.7	18.7	50.8	24.2	24.2	33.9	15.0	15.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	21.5	21.5	20.3	18.7	18.7	18.7	50.8	24.2	24.2	33.9	15.0	15.0
DesignQueue:	2	8	9	0	5	1	1	10	1	7	10	1

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 Plus Phase 1 AM

Intersection #12: Laurel/California [N/S: California E/W: Laurel]



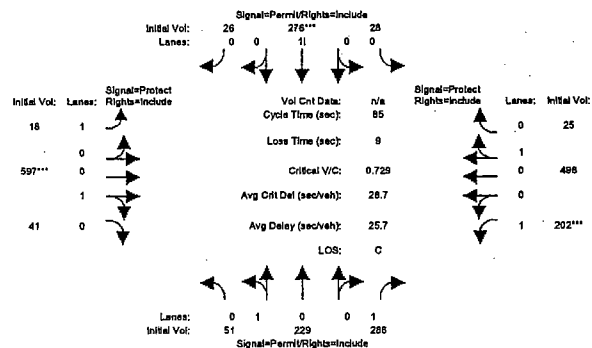
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	73	243	262	15	158	26	17	281	25	157	367	34
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	80	267	288	17	174	29	19	309	28	173	404	37
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	80	267	291	17	174	29	19	310	28	180	407	37
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	80	267	291	17	174	29	19	310	28	180	407	37
Reduc Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	80	267	291	17	174	29	19	310	28	180	407	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	80	267	291	17	174	29	19	310	28	180	407	37
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.87	0.87	0.83	0.93	0.93	0.93	0.93	0.97	0.97	0.93	0.97	0.97
Lanes:	0.23	0.77	1.00	0.08	0.79	0.13	1.00	0.92	0.08	1.00	0.92	0.08
Final Sat.:	380	1264	1583	133	1399	230	1769	1690	150	1769	1683	155
Capacity Analysis Module:												
Vol/Sat:	0.21	0.21	0.18	0.12	0.12	0.12	0.01	0.18	0.18	0.10	0.24	0.24
Crit Moves:	****											
Green/Cycle:	0.38	0.38	0.38	0.38	0.38	0.38	0.02	0.33	0.33	0.18	0.49	0.49
Volume/Cap:	0.56	0.56	0.48	0.33	0.33	0.33	0.49	0.56	0.56	0.56	0.49	0.49
Delay/Veh:	21.8	21.8	20.6	18.9	18.9	18.9	50.8	24.5	24.5	33.7	14.9	14.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	21.8	21.8	20.6	18.9	18.9	18.9	50.8	24.5	24.5	33.7	14.9	14.9
DesignQueue:	2	8	9	0	5	1	1	10	1	7	10	1

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Level Of Service Computation Report  
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2010 No Project PM

Intersection #12: Laurel/California [N/S: California E/W: Laurel]



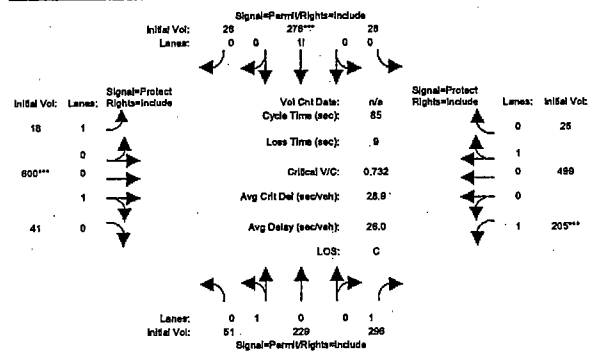
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	46	208	262	25	251	24	16	543	37	184	453	23
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	51	229	288	28	276	26	18	597	41	202	498	25
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	51	229	288	28	276	26	18	597	41	202	498	25
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	51	229	288	28	276	26	18	597	41	202	498	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	51	229	288	28	276	26	18	597	41	202	498	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	51	229	288	28	276	26	18	597	41	202	498	25
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.78	0.78	0.83	0.91	0.91	0.91	0.93	0.97	0.97	0.93	0.97	0.97
Lanes:	0.18	0.82	1.00	0.08	0.84	0.08	1.00	0.94	0.06	1.00	0.95	0.05
Final Sat.:	270	1220	1583	144	1447	138	1769	1726	118	1769	1760	89
Capacity Analysis Module:												
Vol/Sat:	0.19	0.19	0.18	0.19	0.19	0.19	0.01	0.35	0.35	0.11	0.28	0.28
Crit Moves:	*****											
Green/Cycle:	0.26	0.26	0.26	0.26	0.26	0.26	0.02	0.48	0.48	0.16	0.61	0.61
Volume/Cap:	0.72	0.72	0.70	0.73	0.73	0.73	0.46	0.73	0.73	0.73	0.46	0.46
Delay/Veh:	34.7	34.7	33.4	34.5	34.5	34.5	49.8	21.0	21.0	43.5	9.3	9.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	34.7	34.7	33.4	34.5	34.5	34.5	49.8	21.0	21.0	43.5	9.3	9.3
DesignQueue:	2	8	10	1	10	1	1	16	1	8	10	1

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Level Of Service Computation Report  
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2010 Plus Phase 1 PM

Intersection #12: Laurel/California [N/S: California E/W: Laurel]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	46	208	262	25	251	24	16	543	37	184	453	23
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	51	229	288	28	276	26	18	597	41	202	498	25
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	51	229	296	28	276	26	18	600	41	205	499	25
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	51	229	296	28	276	26	18	600	41	205	499	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	51	229	296	28	276	26	18	600	41	205	499	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	51	229	296	28	276	26	18	600	41	205	499	25
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.78	0.78	0.83	0.91	0.91	0.91	0.93	0.97	0.97	0.93	0.97	0.97
Lanes:	0.18	0.82	1.00	0.08	0.84	0.08	1.00	0.94	0.06	1.00	0.95	0.05
Final Sat.:	269	1217	1583	144	1444	138	1769	1728	117	1769	1760	89
Capacity Analysis Module:												
Vol/Sat:	0.19	0.19	0.19	0.19	0.19	0.19	0.01	0.35	0.35	0.12	0.28	0.28
Crit Moves:	*****											
Green/Cycle:	0.26	0.26	0.26	0.26	0.26	0.26	0.02	0.47	0.47	0.16	0.61	0.61
Volume/Cap:	0.72	0.72	0.72	0.73	0.73	0.73	0.46	0.73	0.73	0.73	0.46	0.46
Delay/Veh:	35.0	35.0	34.5	34.8	34.8	34.8	49.8	21.2	21.2	43.6	9.3	9.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	35.0	35.0	34.5	34.8	34.8	34.8	49.8	21.2	21.2	43.6	9.3	9.3
DesignQueue:	2	8	11	1	10	1	1	16	1	8	10	0

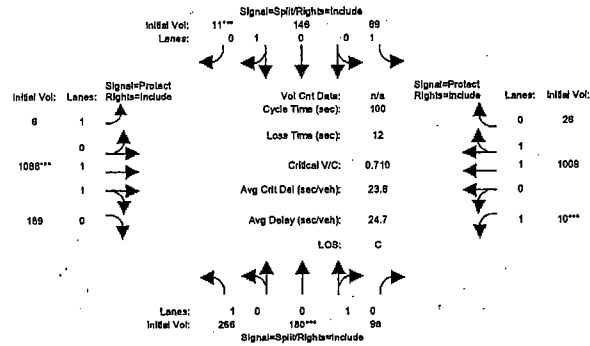


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2010 No Project AM

Intersection #13: Mission/Laurel [N/S: Laurel E/w: Mission]



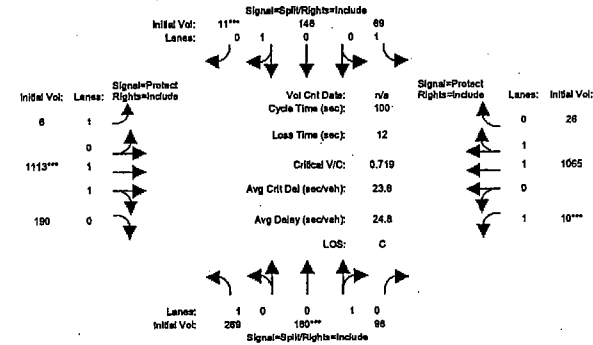
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	242	164	89	63	133	10	5	989	172	9	917	24
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	266	180	98	69	146	11	6	1088	189	10	1009	26
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	266	180	98	69	146	11	6	1088	189	10	1009	26
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	266	180	98	69	146	11	6	1088	189	10	1009	26
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	266	180	98	69	146	11	6	1088	189	10	1009	26
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	266	180	98	69	146	11	6	1088	189	10	1009	26
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.93	0.93	0.97	0.97	0.91	0.89	0.89	0.91	0.91	0.91
Lanes:	1.00	0.65	0.35	1.00	0.93	0.07	1.00	1.70	0.30	1.00	1.95	0.05
Final Sat.:	1769	1143	620	1769	1714	129	1736	2893	503	1736	3371	88
Capacity Analysis Module:												
Vol/Sat:	0.15	0.16	0.16	0.04	0.09	0.09	0.00	0.38	0.38	0.01	0.30	0.30
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.22	0.22	0.22	0.12	0.12	0.12	0.01	0.53	0.53	0.01	0.53	0.53
Volume/Cap:	0.68	0.71	0.71	0.33	0.71	0.71	0.56	0.71	0.71	0.71	0.56	0.56
Delay/Veh:	40.3	41.9	41.9	41.2	52.5	52.5	108.0	19.1	19.1	148.9	16.0	16.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	40.3	41.9	41.9	41.2	52.5	52.5	108.0	19.1	19.1	148.9	16.0	16.0
DesignQueue:	12	8	4	3	7	1	0	31	5	1	28	1

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2010 Plus Phase 1 AM

Intersection #13: Mission/Laurel [N/S: Laurel E/w: Mission]



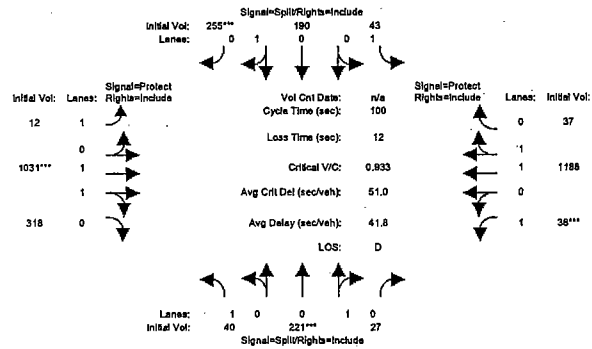
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	242	164	89	63	133	10	5	989	172	9	917	24
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	266	180	98	69	146	11	6	1088	189	10	1009	26
Added Vol:	3	0	0	0	0	0	0	25	1	0	56	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	269	180	98	69	146	11	6	1113	190	10	1065	26
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	269	180	98	69	146	11	6	1113	190	10	1065	26
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	269	180	98	69	146	11	6	1113	190	10	1065	26
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	269	180	98	69	146	11	6	1113	190	10	1065	26
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.93	0.93	0.97	0.97	0.91	0.89	0.89	0.91	0.91	0.91
Lanes:	1.00	0.65	0.35	1.00	0.93	0.07	1.00	1.71	0.29	1.00	1.95	0.05
Final Sat.:	1769	1143	620	1769	1714	129	1736	2901	496	1736	3375	84
Capacity Analysis Module:												
Vol/Sat:	0.15	0.16	0.16	0.04	0.09	0.09	0.00	0.38	0.38	0.01	0.32	0.32
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.22	0.22	0.22	0.12	0.12	0.12	0.01	0.53	0.53	0.01	0.54	0.54
Volume/Cap:	0.69	0.72	0.72	0.33	0.72	0.72	0.59	0.72	0.72	0.72	0.59	0.59
Delay/Veh:	41.2	42.6	42.6	41.3	53.4	53.4	121.2	19.1	19.1	153.4	16.2	16.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	41.2	42.6	42.6	41.3	53.4	53.4	121.2	19.1	19.1	153.4	16.2	16.2
DesignQueue:	12	8	4	3	7	1	0	32	5	1	30	1

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 Plus Phase 1 PM

Intersection #13: Mission/Laurel [N/S: Laurel E/W: Mission]



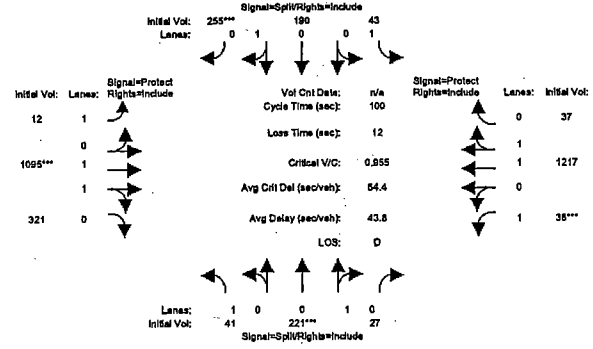
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	40	221	27	43	190	255	12	1031	318	38	1188	37
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	40	221	27	43	190	255	12	1031	318	38	1188	37
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	40	221	27	43	190	255	12	1031	318	38	1188	37
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	40	221	27	43	190	255	12	1031	318	38	1188	37
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	221	27	43	190	255	12	1031	318	38	1188	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	40	221	27	43	190	255	12	1031	318	38	1188	37
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.96	0.96	0.93	0.90	0.90	0.91	0.88	0.88	0.91	0.91	0.91
Lanes:	1.00	0.89	0.11	1.00	0.43	0.57	1.00	1.53	0.47	1.00	1.94	0.06
Final Sat.:	1769	1633	199	1769	727	975	1736	2561	790	1736	3354	104
Capacity Analysis Module:												
Vol/Sat:	0.02	0.14	0.14	0.02	0.26	0.26	0.01	0.40	0.40	0.02	0.35	0.35
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.15	0.15	0.15	0.28	0.28	0.28	0.01	0.43	0.43	0.02	0.45	0.45
Volume/Cap:	0.16	0.93	0.93	0.09	0.93	0.93	0.79	0.93	0.93	0.93	0.79	0.79
Delay/Veh:	37.7	79.8	79.8	26.6	60.6	60.6	178.4	38.4	38.4	163.4	26.7	26.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.7	79.8	79.8	26.6	60.6	60.6	178.4	38.4	38.4	163.4	26.7	26.7
DesignQueue:	2	11	1	2	8	11	1	36	11	2	40	1

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Level Of Service Computation Report  
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2010 Plus Phase 1 PM

Intersection #13: Mission/Laurel [N/S: Laurel E/W: Mission]



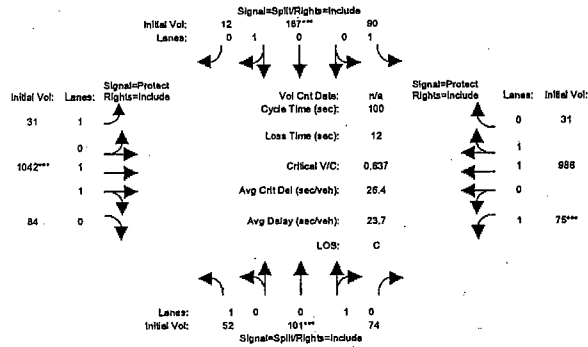
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	40	221	27	43	190	255	12	1031	318	38	1188	37
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	40	221	27	43	190	255	12	1031	318	38	1188	37
Added Vol:	1	0	0	0	0	0	0	64	3	0	29	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	41	221	27	43	190	255	12	1095	321	38	1217	37
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	41	221	27	43	190	255	12	1095	321	38	1217	37
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	41	221	27	43	190	255	12	1095	321	38	1217	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	41	221	27	43	190	255	12	1095	321	38	1217	37
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.96	0.96	0.93	0.90	0.90	0.91	0.88	0.88	0.91	0.91	0.91
Lanes:	1.00	0.89	0.11	1.00	0.43	0.57	1.00	1.55	0.45	1.00	1.94	0.06
Final Sat.:	1769	1633	199	1769	727	975	1736	2594	761	1736	3357	102
Capacity Analysis Module:												
Vol/Sat:	0.02	0.14	0.14	0.02	0.26	0.26	0.01	0.42	0.42	0.02	0.36	0.36
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.14	0.14	0.14	0.27	0.27	0.27	0.01	0.44	0.44	0.02	0.46	0.46
Volume/Cap:	0.16	0.96	0.96	0.09	0.96	0.96	0.80	0.96	0.96	0.96	0.80	0.80
Delay/Veh:	38.0	86.2	86.2	27.1	66.2	66.2	179.0	41.1	41.1	173.6	26.1	26.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.0	86.2	86.2	27.1	66.2	66.2	179.0	41.1	41.1	173.6	26.1	26.1
DesignQueue:	2	11	1	2	8	11	1	38	11	2	40	1

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 No. Project AM

Intersection #14: Mission/Walnut (N/S: Walnut E/W: Mission)



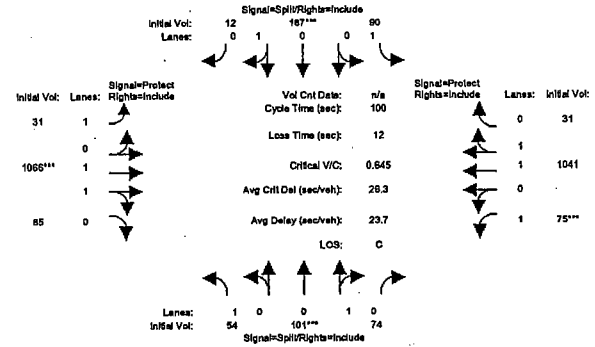
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	47	92	67	82	170	11	28	947	76	68	896	28
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	52	101	74	90	187	12	31	1042	84	75	986	31
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	52	101	74	90	187	12	31	1042	84	75	986	31
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	52	101	74	90	187	12	31	1042	84	75	986	31
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	52	101	74	90	187	12	31	1042	84	75	986	31
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	52	101	74	90	187	12	31	1042	84	75	986	31
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.94	0.94	0.95	0.99	0.99	0.95	0.94	0.94	0.95	0.95	0.95
Lanes:	1.00	0.58	0.42	1.00	0.94	0.06	1.00	1.85	0.15	1.00	1.94	0.06
Final Sat.:	1805	1030	750	1805	1768	114	1805	3305	265	1805	3487	109
Capacity Analysis Module:												
Vol/Sat:	0.03	0.10	0.10	0.05	0.11	0.11	0.02	0.32	0.32	0.04	0.28	0.28
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.15	0.15	0.15	0.17	0.17	0.17	0.03	0.49	0.49	0.07	0.53	0.53
Volume/Cap:	0.19	0.64	0.64	0.30	0.64	0.64	0.54	0.64	0.64	0.64	0.54	0.54
Delay/Veh:	37.1	44.6	44.6	37.2	43.2	43.2	57.2	19.4	19.4	56.7	15.8	15.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.1	44.6	44.6	37.2	43.2	43.2	57.2	19.4	19.4	56.7	15.8	15.8
DesignQueue:	2	5	4	4	9	1	2	32	3	4	28	1

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 Plus Phase 1 AM

Intersection #14: Mission/Walnut (N/S: Walnut E/W: Mission)



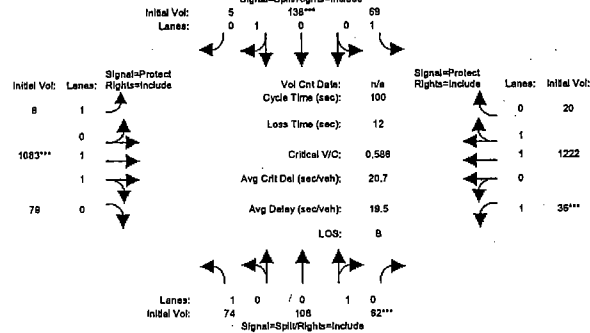
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	47	92	67	82	170	11	28	947	76	68	896	28
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	52	101	74	90	187	12	31	1042	84	75	986	31
Added Vol:	2	0	0	0	0	0	0	0	0	24	1	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	54	101	74	90	187	12	31	1066	85	75	1041	31
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	54	101	74	90	187	12	31	1066	85	75	1041	31
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	54	101	74	90	187	12	31	1066	85	75	1041	31
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	54	101	74	90	187	12	31	1066	85	75	1041	31
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.94	0.94	0.95	0.99	0.99	0.95	0.94	0.94	0.95	0.95	0.95
Lanes:	1.00	0.58	0.42	1.00	0.94	0.06	1.00	1.85	0.15	1.00	1.94	0.06
Final Sat.:	1805	1030	750	1805	1768	114	1805	3308	263	1805	3492	103
Capacity Analysis Module:												
Vol/Sat:	0.03	0.10	0.10	0.05	0.11	0.11	0.02	0.32	0.32	0.04	0.30	0.30
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.15	0.15	0.15	0.16	0.16	0.16	0.03	0.50	0.50	0.06	0.53	0.53
Volume/Cap:	0.20	0.65	0.65	0.30	0.65	0.65	0.56	0.65	0.65	0.65	0.56	0.56
Delay/Veh:	37.4	45.1	45.1	37.4	43.7	43.7	60.0	19.3	19.3	57.5	15.9	15.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.4	45.1	45.1	37.4	43.7	43.7	60.0	19.3	19.3	57.5	15.9	15.9
DesignQueue:	3	5	4	4	9	1	2	32	3	4	29	1

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 No Project PM

Intersection #14: Mission/Walnut [N/S: Walnut E/W: Mission]



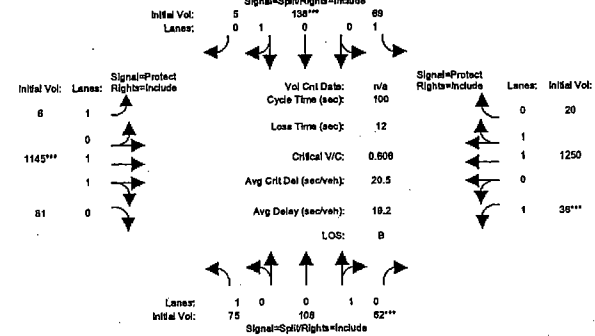
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:												
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	74	108	62	69	138	5	6	1083	79	36	1222	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	74	108	62	69	138	5	6	1083	79	36	1222	20
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	74	108	62	69	138	5	6	1083	79	36	1222	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	74	108	62	69	138	5	6	1083	79	36	1222	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	74	108	62	69	138	5	6	1083	79	36	1222	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	74	108	62	69	138	5	6	1083	79	36	1222	20
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.95	0.95	1.00	1.00	0.95	0.94	0.94	0.95	0.95	0.95
Lanes:	1.00	0.64	0.36	1.00	0.97	0.03	1.00	1.86	0.14	1.00	1.97	0.03
Final Sat.:	1805	1141	655	1805	1824	66	1805	3331	243	1805	3545	58
Capacity Analysis Module:												
Vol/Sat:	0.04	0.09	0.09	0.04	0.08	0.08	0.00	0.33	0.33	0.02	0.34	0.34
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.16	0.16	0.16	0.13	0.13	0.13	0.01	0.56	0.56	0.03	0.58	0.58
Volume/Cap:	0.25	0.59	0.59	0.30	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
Delay/Veh:	37.1	41.9	41.9	40.1	44.7	44.7	117.8	15.1	15.1	61.4	13.7	13.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.1	41.9	41.9	40.1	44.7	44.7	117.8	15.1	15.1	61.4	13.7	13.7
DesignQueue:	3	5	3	3	7	0	0	29	2	2	31	1

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 Plus Phase 1 PM

Intersection #14: Mission/Walnut [N/S: Walnut E/W: Mission]



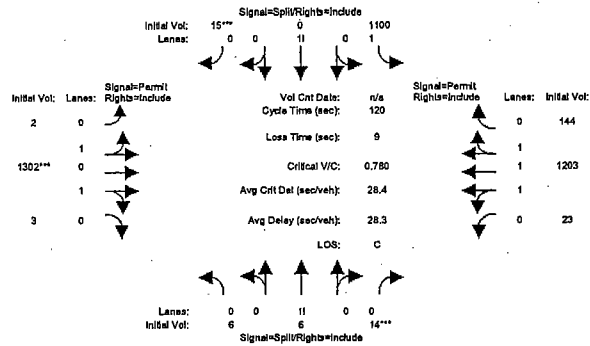
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:												
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	74	108	62	69	138	5	6	1083	79	36	1222	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	74	108	62	69	138	5	6	1083	79	36	1222	20
Added Vol:	1	0	0	0	0	0	0	0	0	62	2	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	75	108	62	69	138	5	6	1145	81	36	1250	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	75	108	62	69	138	5	6	1145	81	36	1250	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	108	62	69	138	5	6	1145	81	36	1250	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	75	108	62	69	138	5	6	1145	81	36	1250	20
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.95	0.95	1.00	1.00	0.95	0.94	0.94	0.95	0.95	0.95
Lanes:	1.00	0.64	0.36	1.00	0.97	0.03	1.00	1.87	0.13	1.00	1.97	0.03
Final Sat.:	1805	1141	655	1805	1824	66	1805	3338	236	1805	3546	57
Capacity Analysis Module:												
Vol/Sat:	0.04	0.09	0.09	0.04	0.08	0.08	0.00	0.34	0.34	0.02	0.35	0.35
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.16	0.16	0.16	0.12	0.12	0.12	0.01	0.57	0.57	0.03	0.59	0.59
Volume/Cap:	0.27	0.61	0.61	0.31	0.61	0.61	0.59	0.61	0.61	0.61	0.59	0.59
Delay/Veh:	37.6	43.1	43.1	40.6	45.9	45.9	119.5	14.9	14.9	64.3	13.2	13.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.6	43.1	43.1	40.6	45.9	45.9	119.5	14.9	14.9	64.3	13.2	13.2
DesignQueue:	4	5	3	3	7	0	0	30	2	2	31	0

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2010 No Project AM

Intersection #15: Mission/Union [N/S: Union E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	5	5	13	1000	0	14	2	1184	3	21	1094	131
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	6	6	14	1100	0	15	2	1302	3	23	1203	144
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	6	6	14	1100	0	15	2	1302	3	23	1203	144
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	6	6	14	1100	0	15	2	1302	3	23	1203	144
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	6	14	1100	0	15	2	1302	3	23	1203	144
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	6	6	14	1100	0	15	2	1302	3	23	1203	144

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.90	0.90	0.90	0.93	1.00	0.93	0.89	0.89	0.89	0.74	0.74	0.74
Lanes:	0.22	0.22	0.56	1.97	0.00	0.03	0.00	1.99	0.01	0.05	2.63	0.32
Final Sat.:	370	370	962	3494	0	48	6	3364	9	71	3685	441

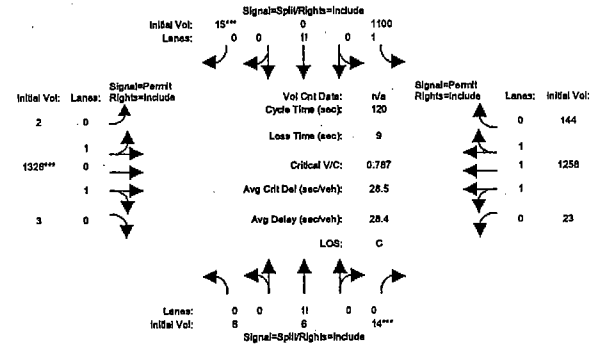
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.01	0.01	0.01	0.31	0.00	0.32	0.39	0.39	0.39	0.33	0.33	0.33
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.02	0.02	0.02	0.41	0.00	0.41	0.50	0.50	0.50	0.50	0.50	0.50
Volume/Cap:	0.78	0.78	0.78	0.77	0.00	0.78	0.78	0.78	0.78	0.66	0.66	0.66
Delay/Veh:	132.1	132	132.1	33.1	0.0	33.6	27.2	27.2	27.2	23.4	23.4	23.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	132.1	132	132.1	33.1	0.0	33.6	27.2	27.2	27.2	23.4	23.4	23.4
DesignQueue:	0	0	1	47	0	1	0	48	0	1	43	5

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2010 Plus Phase 1 AM

Intersection #15: Mission/Union [N/S: Union E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

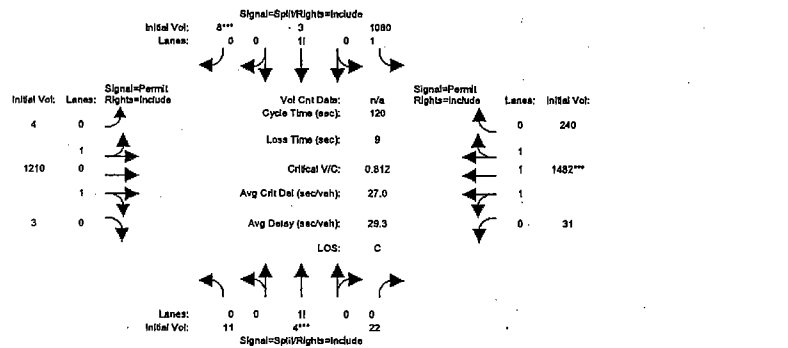
Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	5	5	13	1000	0	14	2	1184	3	21	1094	131
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	6	6	14	1100	0	15	2	1302	3	23	1203	144
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	6	6	14	1100	0	15	2	1326	3	23	1258	144
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	6	6	14	1100	0	15	2	1326	3	23	1258	144
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	6	14	1100	0	15	2	1326	3	23	1258	144
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	6	6	14	1100	0	15	2	1326	3	23	1258	144

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.90	0.90	0.90	0.93	1.00	0.93	0.89	0.89	0.89	0.74	0.74	0.74
Lanes:	0.22	0.22	0.56	1.97	0.00	0.03	0.00	1.99	0.01	0.05	2.65	0.30
Final Sat.:	370	370	962	3494	0	48	6	3365	8	68	3708	425

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.01	0.01	0.01	0.31	0.00	0.32	0.39	0.39	0.39	0.34	0.34	0.34
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.02	0.02	0.02	0.41	0.00	0.41	0.50	0.50	0.50	0.50	0.50	0.50
Volume/Cap:	0.79	0.79	0.79	0.78	0.00	0.79	0.79	0.79	0.79	0.68	0.68	0.68
Delay/Veh:	135.0	135	135.0	33.7	0.0	34.2	27.2	27.2	27.2	23.5	23.5	23.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	135.0	135	135.0	33.7	0.0	34.2	27.2	27.2	27.2	23.5	23.5	23.5
DesignQueue:	0	0	1	47	0	1	0	49	0	1	45	5

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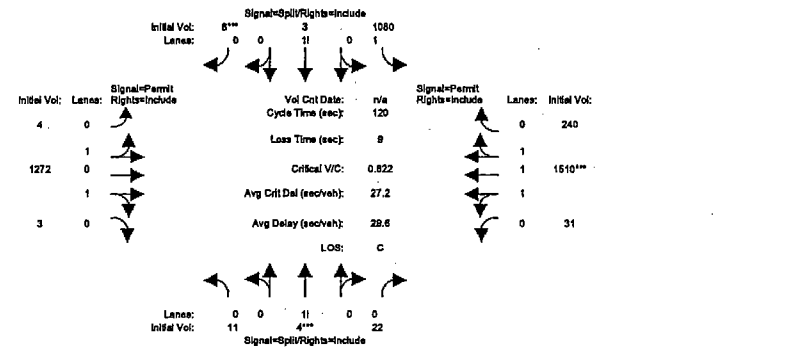
Intersection #15: Mission/Union [N/S: Union E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	10	4	20	982	3	7	4	1100	3	28	1347	218
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	11	4	22	1080	3	8	4	1210	3	31	1482	240
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	11	4	22	1080	3	8	4	1210	3	31	1482	240
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	11	4	22	1080	3	8	4	1210	3	31	1482	240
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	4	22	1080	3	8	4	1210	3	31	1482	240
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	11	4	22	1080	3	8	4	1210	3	31	1482	240
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.89	0.89	0.89	0.93	0.93	0.93	0.88	0.88	0.88	0.74	0.74	0.74
Lanes:	0.29	0.12	0.59	1.98	0.01	0.01	0.01	1.98	0.01	0.05	2.54	0.41
Final Sat.:	497	199	995	3510	11	25	12	3326	9	74	3547	574
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.02	0.31	0.31	0.31	0.36	0.36	0.36	0.42	0.42	0.42
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.03	0.03	0.03	0.38	0.38	0.38	0.51	0.51	0.51	0.51	0.51	0.51
Volume/Cap:	0.81	0.81	0.81	0.80	0.81	0.81	0.71	0.71	0.71	0.81	0.81	0.81
Delay/Veh:	124.1	124	124.1	36.6	37.0	37.0	23.6	23.6	23.6	26.7	26.7	26.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	124.1	124	124.1	36.6	37.0	37.0	23.6	23.6	23.6	26.7	26.7	26.7
DesignQueue:	1	0	1	48	0	0	0	43	0	1	53	8

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Intersection #15: Mission/Union [N/S: Union E/W: Mission]



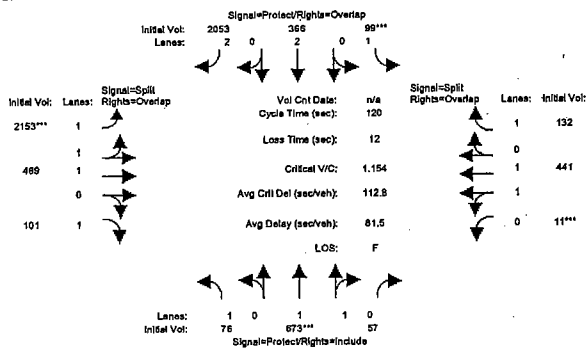
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	10	4	20	982	3	7	4	1100	3	28	1347	218
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	11	4	22	1080	3	8	4	1210	3	31	1482	240
Added Vol:	0	0	0	0	0	0	0	62	0	0	28	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	11	4	22	1080	3	8	4	1272	3	31	1510	240
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	11	4	22	1080	3	8	4	1272	3	31	1510	240
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	4	22	1080	3	8	4	1272	3	31	1510	240
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	11	4	22	1080	3	8	4	1272	3	31	1510	240
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.89	0.89	0.89	0.93	0.93	0.93	0.88	0.88	0.88	0.73	0.73	0.73
Lanes:	0.29	0.12	0.59	1.98	0.01	0.01	0.01	1.98	0.01	0.05	2.55	0.40
Final Sat.:	497	199	995	3510	11	25	12	3327	9	72	3532	561
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.02	0.31	0.31	0.31	0.38	0.38	0.38	0.43	0.43	0.43
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.03	0.03	0.03	0.38	0.38	0.38	0.52	0.52	0.52	0.52	0.52	0.52
Volume/Cap:	0.82	0.82	0.82	0.81	0.82	0.82	0.81	0.82	0.82	0.74	0.74	0.74
Delay/Veh:	128.0	128	128.0	37.5	37.9	37.9	24.1	24.1	24.1	26.8	26.8	26.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	128.0	128	128.0	37.5	37.9	37.9	24.1	24.1	24.1	26.8	26.8	26.8
DesignQueue:	1	0	1	48	0	0	0	45	0	1	53	8

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Intersection #16: Mission/Chestnut [N/S: Chestnut E/W: Mission]



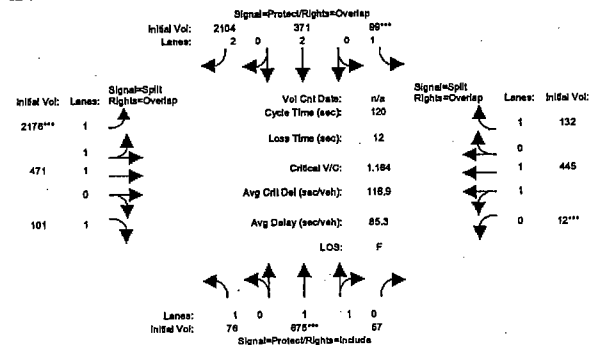
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	69	612	52	90	333	1866	1957	426	92	10	401	120
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	76	673	57	99	366	2053	2153	469	101	11	441	132
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	76	673	57	99	366	2053	2153	469	101	11	441	132
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	76	673	57	99	366	2053	2153	469	101	11	441	132
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	673	57	99	366	2053	2153	469	101	11	441	132
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	76	673	57	99	366	2053	2153	469	101	11	441	132
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.92	0.92	0.91	0.91	0.72	0.88	0.88	0.82	0.93	0.93	0.83
Lanes:	1.00	1.84	0.16	1.00	2.00	2.00	2.00	1.00	1.00	0.05	1.95	1.00
Final Sat.:	1769	3222	274	1736	3473	2734	3337	1669	1554	86	3448	1583
Capacity Analysis Module:												
Vol/Sat:	0.04	0.21	0.21	0.06	0.11	0.75	0.65	0.28	0.07	0.13	0.13	0.08
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.07	0.18	0.18	0.05	0.16	0.72	0.56	0.56	0.63	0.11	0.11	0.16
Volume/Cap:	0.64	1.15	1.15	1.15	0.64	1.04	1.15	0.50	0.10	1.15	1.15	0.52
Delay/Veh:	66.3	136	135.7	201.8	49.4	47.8	101.4	16.3	9.1	148.0	148	48.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	66.3	136	135.7	201.8	49.4	47.8	101.4	16.3	9.1	148.0	148	48.1
DesignQueue:	5	39	3	6	21	44	74	15	3	1	27	8

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Intersection #16: Mission/Chestnut [N/S: Chestnut E/W: Mission]



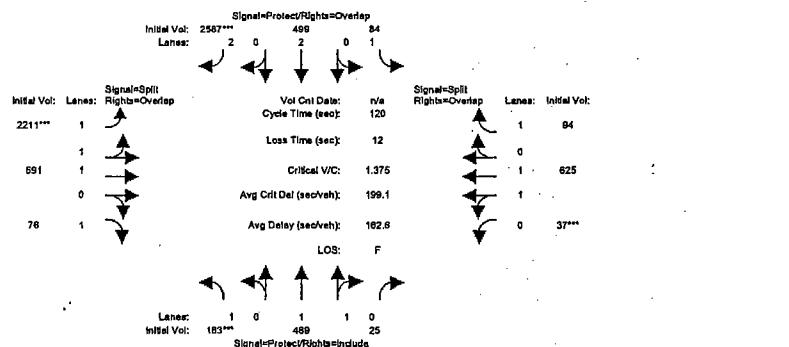
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	69	612	52	90	333	1866	1957	426	92	10	401	120
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	76	673	57	99	366	2053	2153	469	101	11	441	132
Added Vol:	0	2	0	0	5	51	23	2	0	1	4	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	76	675	57	99	371	2104	2176	471	101	12	445	132
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	76	675	57	99	371	2104	2176	471	101	12	445	132
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	675	57	99	371	2104	2176	471	101	12	445	132
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	76	675	57	99	371	2104	2176	471	101	12	445	132
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.92	0.92	0.91	0.91	0.72	0.88	0.88	0.82	0.93	0.93	0.83
Lanes:	1.00	1.84	0.16	1.00	2.00	2.00	2.00	1.00	1.00	0.05	1.95	1.00
Final Sat.:	1769	3222	273	1736	3473	2734	3337	1669	1554	93	3441	1583
Capacity Analysis Module:												
Vol/Sat:	0.04	0.21	0.21	0.06	0.11	0.77	0.65	0.28	0.07	0.13	0.13	0.08
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.06	0.18	0.18	0.05	0.17	0.73	0.56	0.56	0.62	0.11	0.11	0.16
Volume/Cap:	0.70	1.16	1.16	1.16	0.64	1.06	1.16	0.50	0.10	1.16	1.16	0.52
Delay/Veh:	73.7	140	139.7	205.6	48.9	53.7	105.5	16.3	9.3	151.7	152	48.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	73.7	140	139.7	205.6	48.9	53.7	105.5	16.3	9.3	151.7	152	48.1
DesignQueue:	5	39	3	6	21	45	75	15	3	1	27	8

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Intersection #16: Mission/Chestnut [N/S: Chestnut E/W: Mission]



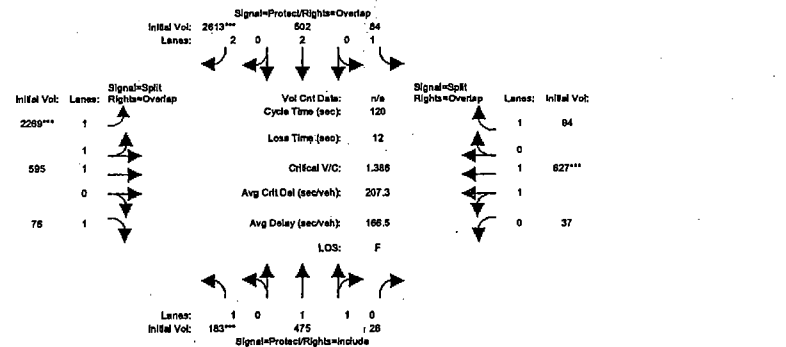
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	166	426	23	76	454	2352	2010	537	69	34	568	85
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	183	469	25	84	499	2587	2211	591	76	37	625	94
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	183	469	25	84	499	2587	2211	591	76	37	625	94
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	183	469	25	84	499	2587	2211	591	76	37	625	94
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	183	469	25	84	499	2587	2211	591	76	37	625	94
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	183	469	25	84	499	2587	2211	591	76	37	625	94
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.92	0.92	0.91	0.91	0.72	0.88	0.88	0.82	0.93	0.93	0.83
Lanes:	1.00	1.90	0.10	1.00	2.00	2.00	2.00	1.00	1.00	0.11	1.89	1.00
Final Sat.:	1769	3330	180	1736	3473	2734	3341	1670	1554	199	3328	1583
Capacity Analysis Module:												
Vol/Sat:	0.10	0.14	0.14	0.05	0.14	0.95	0.66	0.35	0.05	0.19	0.19	0.06
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.08	0.21	0.21	0.07	0.21	0.69	0.48	0.48	0.56	0.14	0.14	0.21
Volume/Cap:	1.37	0.67	0.67	0.67	0.70	1.37	1.37	0.73	0.09	1.37	1.37	0.28
Delay/Veh:	264.2	46.0	46.0	67.5	47.1	190.7	202.9	25.7	12.4	233.1	233	40.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	264.2	46.0	46.0	67.5	47.1	190.7	202.9	25.7	12.4	233.1	233	40.4
DesignQueue:	12	26	1	5	27	66	90	22	2	2	38	5

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Intersection #16: Mission/Chestnut [N/S: Chestnut E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	166	426	23	76	454	2352	2010	537	69	34	568	85
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	183	469	25	84	499	2587	2211	591	76	37	625	94
Added Vol:	0	6	1	0	3	26	58	4	0	0	0	2
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	183	475	26	84	502	2613	2269	595	76	37	627	94
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	183	475	26	84	502	2613	2269	595	76	37	627	94
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	183	475	26	84	502	2613	2269	595	76	37	627	94
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	183	475	26	84	502	2613	2269	595	76	37	627	94
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.92	0.92	0.91	0.91	0.72	0.88	0.88	0.82	0.93	0.93	0.83
Lanes:	1.00	1.89	0.11	1.00	2.00	2.00	2.00	1.00	1.00	0.11	1.89	1.00
Final Sat.:	1769	3325	184	1736	3473	2734	3341	1670	1554	199	3329	1583
Capacity Analysis Module:												
Vol/Sat:	0.10	0.14	0.14	0.05	0.14	0.96	0.68	0.36	0.05	0.19	0.19	0.06
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.07	0.20	0.20	0.07	0.20	0.69	0.49	0.49	0.56	0.14	0.14	0.21
Volume/Cap:	1.39	0.70	0.70	0.70	0.73	1.39	1.39	0.73	0.09	1.39	1.39	0.29
Delay/Veh:	269.0	47.3	47.3	71.0	48.8	195.6	207.3	24.9	12.0	238.0	238	40.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	269.0	47.3	47.3	71.0	48.8	195.6	207.3	24.9	12.0	238.0	238	40.8
DesignQueue:	12	26	1	5	28	66	92	22	2	2	38	5

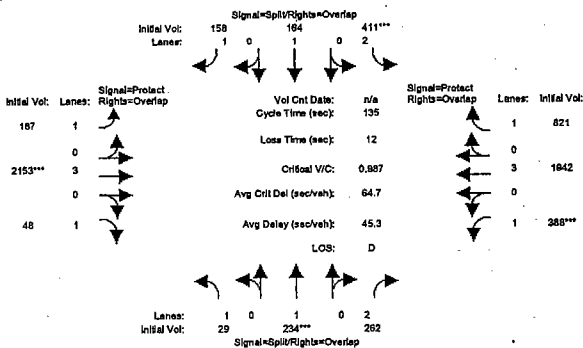


Marine Science Center

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 No Project AM

Intersection #17: Mission/River (N/S: River E/W: Mission)



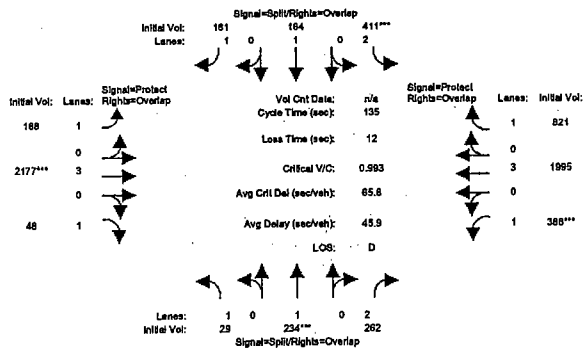
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	26	213	238	374	149	144	170	1957	44	353	1765	746
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	29	234	262	411	164	158	187	2153	48	388	1942	821
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	29	234	262	411	164	158	187	2153	48	388	1942	821
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	29	234	262	411	164	158	187	2153	48	388	1942	821
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	29	234	262	411	164	158	187	2153	48	388	1942	821
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	29	234	262	411	164	158	187	2153	48	388	1942	821
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.98	0.73	0.90	0.98	0.83	0.93	0.89	0.83	0.93	0.89	0.83
Lanes:	1.00	1.00	2.00	2.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1769	1862	2786	3432	1862	1583	1769	5083	1583	1769	5083	1583
Capacity Analysis Module:												
Vol/Sat:	0.02	0.13	0.09	0.12	0.09	0.10	0.11	0.42	0.03	0.22	0.38	0.52
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.13	0.13	0.35	0.12	0.12	0.23	0.11	0.43	0.56	0.22	0.54	0.66
Volume/Cap:	0.13	0.99	0.27	0.99	0.73	0.43	0.96	0.99	0.05	0.99	0.71	0.78
Delay/Veh:	46.7	107	28.2	93.3	61.9	40.2	105.5	50.3	12.2	88.4	21.3	18.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	46.7	107	28.2	93.3	61.9	40.2	105.5	50.3	12.2	88.4	21.3	18.1
DesignQueue:	2	14	12	25	10	8	11	91	1	21	65	21

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 Phase 1 AM

Intersection #17: Mission/River (N/S: River E/W: Mission)



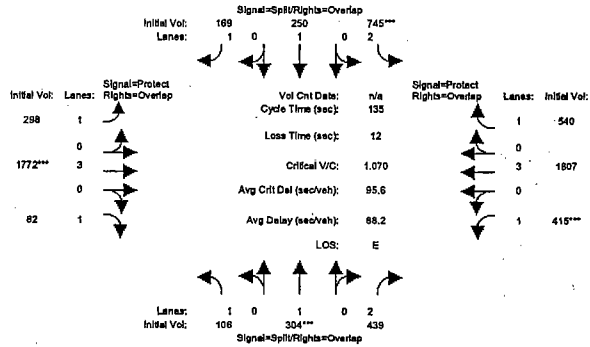
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	26	213	238	374	149	144	170	1957	44	353	1765	746
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	29	234	262	411	164	158	187	2153	48	388	1942	821
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	29	234	262	411	164	158	187	2153	48	388	1942	821
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	29	234	262	411	164	158	187	2153	48	388	1942	821
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	29	234	262	411	164	158	187	2153	48	388	1942	821
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	29	234	262	411	164	158	187	2153	48	388	1942	821
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.98	0.73	0.90	0.98	0.83	0.93	0.89	0.83	0.93	0.89	0.83
Lanes:	1.00	1.00	2.00	2.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1769	1862	2786	3432	1862	1583	1769	5083	1583	1769	5083	1583
Capacity Analysis Module:												
Vol/Sat:	0.02	0.13	0.09	0.12	0.09	0.10	0.11	0.43	0.03	0.22	0.39	0.52
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.13	0.13	0.35	0.12	0.12	0.23	0.11	0.43	0.56	0.22	0.54	0.66
Volume/Cap:	0.13	0.99	0.27	0.99	0.73	0.43	0.96	0.99	0.05	0.99	0.72	0.78
Delay/Veh:	46.8	109	28.3	94.9	62.3	40.3	104.9	51.4	12.1	90.1	21.7	18.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	46.8	109	28.3	94.9	62.3	40.3	104.9	51.4	12.1	90.1	21.7	18.1
DesignQueue:	2	14	12	25	10	8	11	92	1	21	67	21

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 No Project PM

Intersection #17: Mission/River [NS: River E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	96	276	399	677	227	154	271	1611	56	377	1643	491
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bae:	106	304	439	745	250	169	298	1772	62	415	1807	540
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	106	304	439	745	250	169	298	1772	62	415	1807	540
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	106	304	439	745	250	169	298	1772	62	415	1807	540
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	106	304	439	745	250	169	298	1772	62	415	1807	540
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	106	304	439	745	250	169	298	1772	62	415	1807	540

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.98	0.73	0.90	0.98	0.83	0.93	0.89	0.83	0.93	0.89	0.83
Lanes:	1.00	1.00	2.00	2.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1769	1862	2786	3432	1862	1583	1769	5083	1583	1769	5083	1583

Capacity Analysis Module:

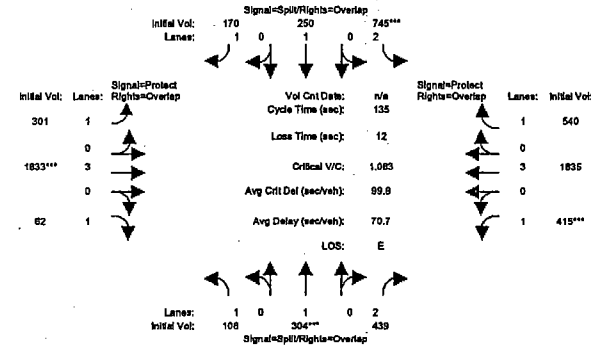
Vol/Sat:	0.06	0.16	0.16	0.22	0.13	0.11	0.17	0.35	0.04	0.23	0.36	0.34
Crit Moves:	****											
Green/Cycle:	0.15	0.15	0.37	0.20	0.20	0.38	0.18	0.33	0.48	0.22	0.37	0.57
Volume/Cap:	0.39	1.07	0.42	1.07	0.66	0.28	0.96	1.07	0.08	1.07	0.96	0.60
Delay/Veh:	46.8	124	28.4	102.3	48.4	26.3	89.8	84.0	17.0	112.5	49.9	17.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	46.8	124	28.4	102.3	48.4	26.3	89.8	84.0	17.0	112.5	49.9	17.7
DesignQueue:	6	18	19	42	14	7	17	87	2	23	83	17

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 Plus Phase 1 PM

Intersection #17: Mission/River [NS: River E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	96	276	399	677	227	154	271	1611	56	377	1643	491
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bae:	106	304	439	745	250	169	298	1772	62	415	1807	540
Added Vol:	0	0	0	0	0	1	3	61	0	0	28	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	106	304	439	745	250	170	301	1833	62	415	1835	540
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	106	304	439	745	250	170	301	1833	62	415	1835	540
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	106	304	439	745	250	170	301	1833	62	415	1835	540
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	106	304	439	745	250	170	301	1833	62	415	1835	540

Saturation Flow Module:

Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.98	0.73	0.90	0.98	0.83	0.93	0.89	0.83	0.93	0.89	0.83
Lanes:	1.00	1.00	2.00	2.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1769	1862	2786	3432	1862	1583	1769	5083	1583	1769	5083	1583

Capacity Analysis Module:

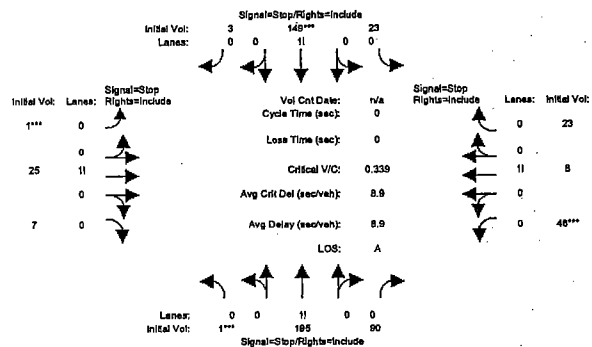
Vol/Sat:	0.06	0.16	0.16	0.22	0.13	0.11	0.17	0.36	0.04	0.23	0.36	0.34
Crit Moves:	****											
Green/Cycle:	0.15	0.15	0.37	0.20	0.20	0.38	0.18	0.33	0.48	0.22	0.37	0.57
Volume/Cap:	0.40	1.08	0.43	1.08	0.67	0.29	0.97	1.08	0.08	1.08	0.97	0.59
Delay/Veh:	47.0	129	28.8	107.1	49.0	26.4	91.1	88.3	16.7	117.2	50.6	17.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	47.0	129	28.8	107.1	49.0	26.4	91.1	88.3	16.7	117.2	50.6	17.6
DesignQueue:	6	18	19	42	14	7	17	89	2	23	84	17

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Level of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2010 No Project Alt

Intersection #18: Western/Meder [N/S: Western E/w: Meder]



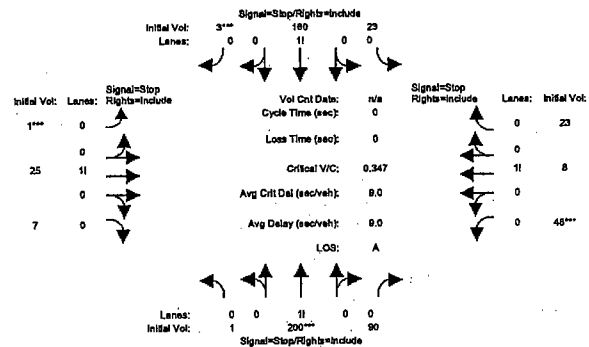
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	1	177	82	21	135	3	1	23	6	44	7	21
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	1	195	90	23	149	3	1	25	7	48	8	23
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	1	195	90	23	149	3	1	25	7	48	8	23
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1	195	90	23	149	3	1	25	7	48	8	23
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	195	90	23	149	3	1	25	7	48	8	23
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	1	195	90	23	149	3	1	25	7	48	8	23
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.01	0.68	0.31	0.13	0.85	0.02	0.03	0.77	0.20	0.61	0.10	0.29
Final Sat.:	3	574	266	103	664	15	23	518	135	419	67	200
Capacity Analysis Module:												
Vol/Sat:	0.34	0.34	0.34	0.22	0.22	0.22	0.05	0.05	0.05	0.12	0.12	0.12
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	9.2	9.2	9.2	8.7	8.7	8.7	8.1	8.1	8.1	8.4	8.4	8.4
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	9.2	9.2	9.2	8.7	8.7	8.7	8.1	8.1	8.1	8.4	8.4	8.4
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	9.2	9.2	9.2	8.7	8.7	8.7	8.1	8.1	8.1	8.4	8.4	8.4
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ApprAdjDel:	9.2	9.2	9.2	8.7	8.7	8.7	8.1	8.1	8.1	8.4	8.4	8.4
LOS by Appr:	A	A	A	A	A	A	A	A	A	A	A	A

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Level of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2010 Plus Phase 1 AM

Intersection #18: Western/Meder [N/S: Western E/w: Meder]



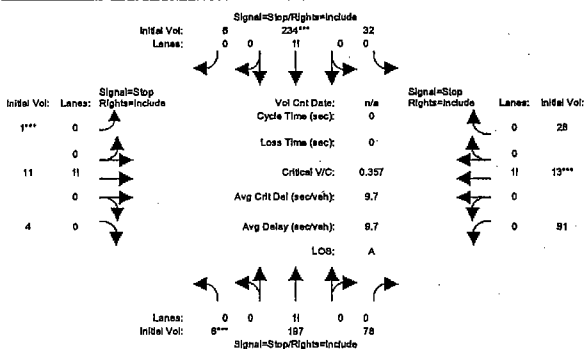
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	1	177	82	21	135	3	1	23	6	44	7	21
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	1	195	90	23	149	3	1	25	7	48	8	23
Added Vol:	0	5	0	0	11	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	1	200	90	23	160	3	1	25	7	48	8	23
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1	200	90	23	160	3	1	25	7	48	8	23
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	200	90	23	160	3	1	25	7	48	8	23
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	1	200	90	23	160	3	1	25	7	48	8	23
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.01	0.68	0.31	0.12	0.86	0.02	0.03	0.77	0.20	0.61	0.10	0.29
Final Sat.:	3	576	260	97	670	14	22	514	134	415	66	198
Capacity Analysis Module:												
Vol/Sat:	0.35	0.35	0.35	0.24	0.24	0.24	0.05	0.05	0.05	0.12	0.12	0.12
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	9.3	9.3	9.3	8.8	8.8	8.8	8.1	8.1	8.1	8.5	8.5	8.5
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	9.3	9.3	9.3	8.8	8.8	8.8	8.1	8.1	8.1	8.5	8.5	8.5
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	9.3	9.3	9.3	8.8	8.8	8.8	8.1	8.1	8.1	8.5	8.5	8.5
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ApprAdjDel:	9.3	9.3	9.3	8.8	8.8	8.8	8.1	8.1	8.1	8.5	8.5	8.5
LOS by Appr:	A	A	A	A	A	A	A	A	A	A	A	A

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Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2010 No Project PM

Intersection #18: Western/Meder [N/S: Western E/W: Meder]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	5	179	71	29	213	5	1	10	4	83	12	25
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	6	197	78	32	234	6	1	11	4	91	13	28
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	6	197	78	32	234	6	1	11	4	91	13	28
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	6	197	78	32	234	6	1	11	4	91	13	28
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	197	78	32	234	6	1	11	4	91	13	28
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	6	197	78	32	234	6	1	11	4	91	13	28

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.02	0.70	0.28	0.12	0.86	0.02	0.06	0.67	0.27	0.69	0.10	0.21
Final Sat.:	15	554	220	89	656	15	41	415	166	448	65	135

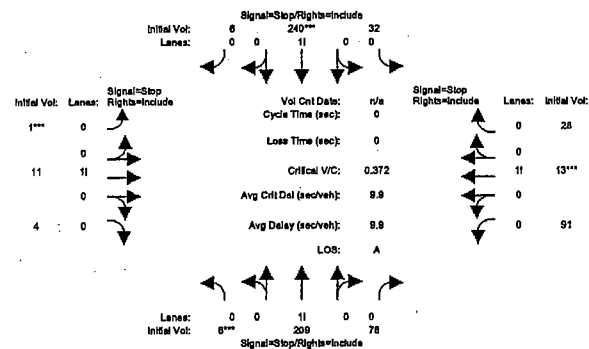
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.36	0.36	0.36	0.36	0.36	0.36	0.03	0.03	0.03	0.20	0.20	0.20
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	9.7	9.7	9.7	10.0	10.0	10.0	8.3	8.3	8.3	9.3	9.3	9.3
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	9.7	9.7	9.7	10.0	10.0	10.0	8.3	8.3	8.3	9.3	9.3	9.3
LOS by Move:	A	A	A	B	B	B	A	A	A	A	A	A
ApproachDel:	9.7	9.7	9.7	10.0	10.0	10.0	8.3	8.3	8.3	9.3	9.3	9.3
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ApprAdjDel:	9.7	9.7	9.7	10.0	10.0	10.0	8.3	8.3	8.3	9.3	9.3	9.3
LOS by Appr:	A	A	A	B	B	B	A	A	A	A	A	A

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Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2010 Plus Phase 1 PM

Intersection #18: Western/Meder [N/S: Western E/W: Meder]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	5	179	71	29	213	5	1	10	4	83	12	25
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	6	197	78	32	234	6	1	11	4	91	13	28
Added Vol:	0	12	0	0	6	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	6	209	78	32	240	6	1	11	4	91	13	28
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	6	209	78	32	240	6	1	11	4	91	13	28
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	209	78	32	240	6	1	11	4	91	13	28
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	6	209	78	32	240	6	1	11	4	91	13	28

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.02	0.71	0.27	0.11	0.87	0.02	0.06	0.67	0.27	0.69	0.10	0.21
Final Sat.:	15	562	210	87	657	15	41	410	164	444	64	134

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.37	0.37	0.37	0.37	0.37	0.37	0.03	0.03	0.03	0.21	0.21	0.21
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	9.9	9.9	9.9	10.1	10.1	10.1	8.3	8.3	8.3	9.4	9.4	9.4
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	9.9	9.9	9.9	10.1	10.1	10.1	8.3	8.3	8.3	9.4	9.4	9.4
LOS by Move:	A	A	A	B	B	B	A	A	A	A	A	A
ApproachDel:	9.9	9.9	9.9	10.1	10.1	10.1	8.3	8.3	8.3	9.4	9.4	9.4
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ApprAdjDel:	9.9	9.9	9.9	10.1	10.1	10.1	8.3	8.3	8.3	9.4	9.4	9.4
LOS by Appr:	A	A	A	B	B	B	A	A	A	A	A	A

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2010 No Project AM

Intersection #19: High/Western (N/S: Western E/W: High)

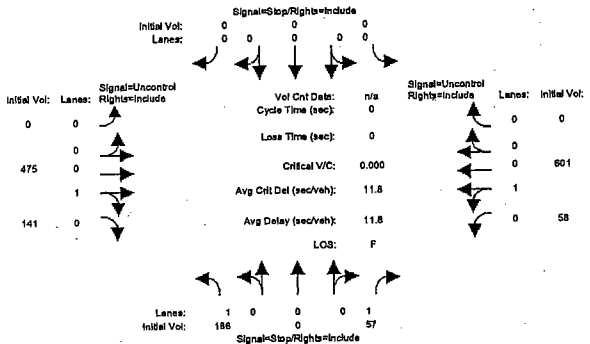


Table with columns for Approach (North, South, East, West) and Movement (L, T, R). Rows include Volume Module (Base Vol, Growth Adj, Initial Bse, Added Vol, Campus Incr, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Final Vol), Critical Gap Module (Critical Gp, FollowUpTim), Capacity Module (Conflict Vol, Potent Cap., Move Cap.), and Level Of Service Module (Stopped Del, LOS by Move, Movement, Shared Cap., Shrd StpDel, Shared LOS, ApproachDel, ApproachLOS).

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2010 Plus Phase 1 AM

Intersection #19: High/Western (N/S: Western E/W: High)

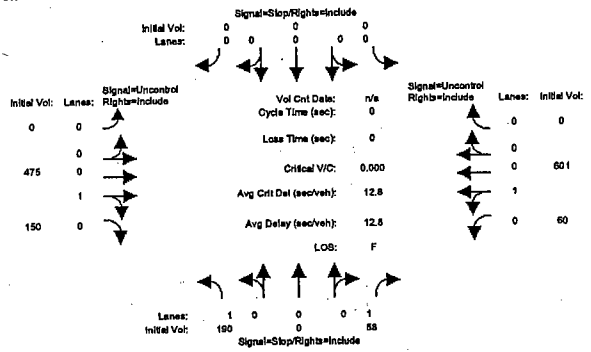


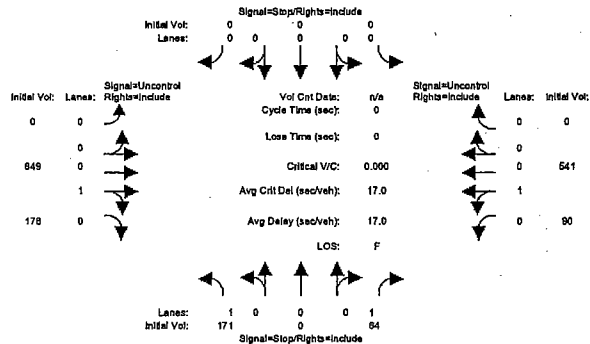
Table with columns for Approach (North, South, East, West) and Movement (L, T, R). Rows include Volume Module (Base Vol, Growth Adj, Initial Bse, Added Vol, Campus Incr, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Final Vol), Critical Gap Module (Critical Gp, FollowUpTim), Capacity Module (Conflict Vol, Potent Cap., Move Cap.), and Level Of Service Module (Stopped Del, LOS by Move, Movement, Shared Cap., Shrd StpDel, Shared LOS, ApproachDel, ApproachLOS).

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2010 No Project PM

Intersection #19: High/Western [N/S: Western E/W: High]



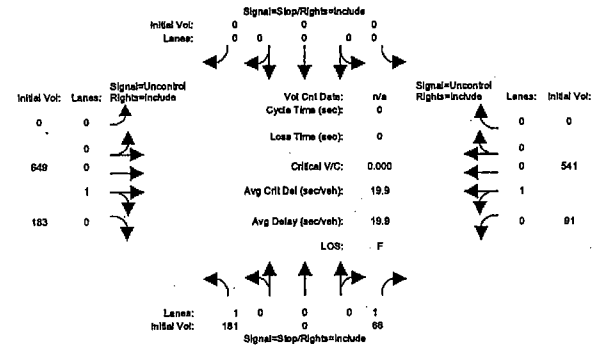
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	155	0	58	0	0	0	0	590	162	82	492	0
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	171	0	64	0	0	0	0	649	178	90	541	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	171	0	64	0	0	0	0	649	178	90	541	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	171	0	64	0	0	0	0	649	178	90	541	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	171	0	64	0	0	0	0	649	178	90	541	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	6.2	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	4.1	xxxx	xxxxxx
FollowUpTim:	3.5	xxxx	3.3	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	2.2	xxxx	xxxxxx
Capacity Module:												
Cnflct Vol:	1460	xxxx	738	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	827	xxxx	xxxxxx
Potent Cap.:	144	xxxx	421	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	813	xxxx	xxxxxx
Move Cap.:	131	xxxx	421	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	813	xxxx	xxxxxx
Level Of Service Module:												
Stopped Del:	244.8	xxxx	15.1	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	10.0	xxxx	xxxxxx
LOS by Move:	F	*	C	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Shrd StpDel:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	10.0	xxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	182.2			xxxxxx		xxxxxx	xxxxxx		xxxxxx	xxxxxx		xxxxxx
ApproachLOS:	F			*		*	*		*	*		*

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2010 Plus Phase 1 PM

Intersection #19: High/Western [N/S: Western E/W: High]



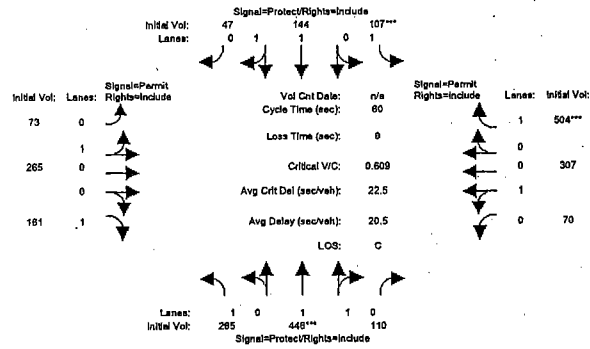
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	155	0	58	0	0	0	0	590	162	82	492	0
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	171	0	64	0	0	0	0	649	178	90	541	0
Added Vol:	10	0	2	0	0	0	0	0	0	5	1	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	181	0	66	0	0	0	0	649	183	91	541	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	181	0	66	0	0	0	0	649	183	91	541	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	181	0	66	0	0	0	0	649	183	91	541	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	6.2	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	4.1	xxxx	xxxxxx
FollowUpTim:	3.5	xxxx	3.3	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	2.2	xxxx	xxxxxx
Capacity Module:												
Cnflct Vol:	1464	xxxx	741	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	832	xxxx	xxxxxx
Potent Cap.:	143	xxxx	420	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	809	xxxx	xxxxxx
Move Cap.:	130	xxxx	420	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	809	xxxx	xxxxxx
Level Of Service Module:												
Stopped Del:	278.8	xxxx	15.2	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	10.0	xxxx	xxxxxx
LOS by Move:	F	*	C	*	*	*	*	*	*	B	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Shrd StpDel:	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxx	xxxxxx	10.0	xxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	B	*	*
ApproachDel:	208.4			xxxxxx		xxxxxx	xxxxxx		xxxxxx	xxxxxx		xxxxxx
ApproachLOS:	F			*		*	*		*	*		*

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 No Project AM

Intersection #20: High/Bay [N/S: Bay E/w: High]



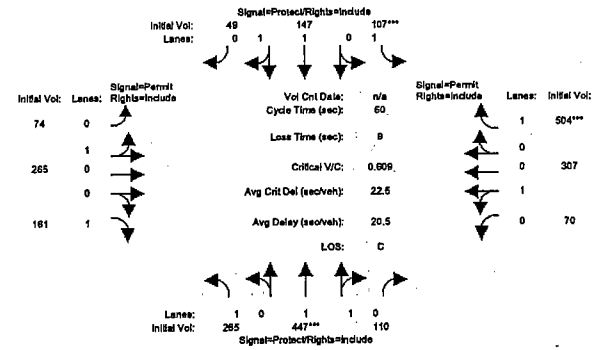
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	241	405	100	97	131	43	66	241	146	64	279	458
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	265	446	110	107	144	47	73	265	161	70	307	504
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	265	446	110	107	144	47	73	265	161	70	307	504
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	265	446	110	107	144	47	73	265	161	70	307	504
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	265	446	110	107	144	47	73	265	161	70	307	504
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	265	446	110	107	144	47	73	265	161	70	307	504
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.90	0.90	0.93	0.90	0.90	0.83	0.83	0.83	0.86	0.86	0.83
Lanes:	1.00	1.60	0.40	1.00	1.51	0.49	0.21	0.79	1.00	0.19	0.81	1.00
Final Sat.:	1769	2752	680	1769	2565	842	341	1244	1593	305	1330	1583
Capacity Analysis Module:												
Vol/Sat:	0.15	0.16	0.16	0.06	0.06	0.06	0.21	0.21	0.10	0.23	0.23	0.32
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.27	0.27	0.27	0.10	0.10	0.10	0.52	0.52	0.52	0.52	0.52	0.52
Volume/Cap:	0.56	0.61	0.61	0.61	0.56	0.56	0.41	0.41	0.19	0.44	0.44	0.61
Delay/Veh:	27.0	26.9	26.9	40.7	36.6	36.6	11.9	11.9	10.3	12.2	12.2	14.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	27.0	26.9	26.9	40.7	36.6	36.6	11.9	11.9	10.3	12.2	12.2	14.7
DesignQueue:	9	15	4	4	6	2	2	6	3	2	7	11

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 Plus Phase 1 AM

Intersection #20: High/Bay [N/S: Bay E/w: High]



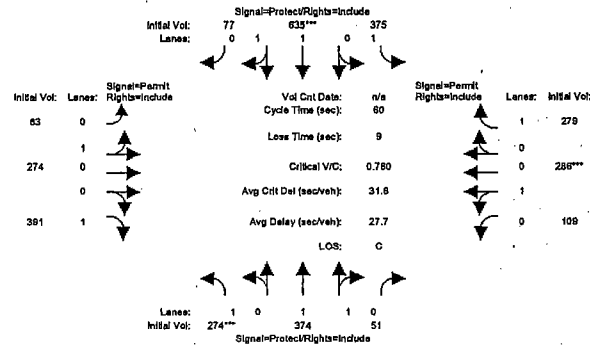
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	241	405	100	97	131	43	66	241	146	64	279	458
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	265	446	110	107	144	47	73	265	161	70	307	504
Added Vol:	0	1	0	0	3	2	1	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	265	447	110	107	147	49	74	265	161	70	307	504
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	265	447	110	107	147	49	74	265	161	70	307	504
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	265	447	110	107	147	49	74	265	161	70	307	504
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	265	447	110	107	147	49	74	265	161	70	307	504
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.90	0.90	0.93	0.90	0.90	0.83	0.83	0.83	0.86	0.86	0.83
Lanes:	1.00	1.60	0.40	1.00	1.50	0.50	0.22	0.78	1.00	0.19	0.81	1.00
Final Sat.:	1769	2753	678	1769	2549	854	344	1240	1593	305	1328	1583
Capacity Analysis Module:												
Vol/Sat:	0.15	0.16	0.16	0.06	0.06	0.06	0.21	0.21	0.10	0.23	0.23	0.32
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.26	0.27	0.27	0.10	0.10	0.10	0.52	0.52	0.52	0.52	0.52	0.52
Volume/Cap:	0.57	0.61	0.61	0.61	0.57	0.57	0.41	0.41	0.19	0.44	0.44	0.61
Delay/Veh:	27.2	26.9	26.9	40.7	36.5	36.5	11.9	11.9	10.3	12.2	12.2	14.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	27.2	26.9	26.9	40.7	36.5	36.5	11.9	11.9	10.3	12.2	12.2	14.7
DesignQueue:	9	15	4	4	6	2	2	6	3	2	7	11

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Level Of Service Computation Report  
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2010 No Project PM

Intersection #20: High/Bay [N/S: Bay E/w: High]



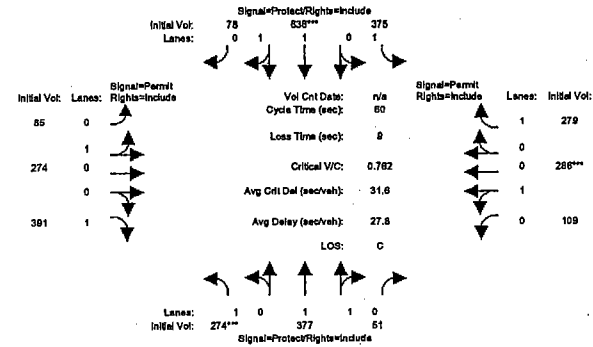
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	249	340	46	341	577	70	75	249	355	99	260	254
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	274	374	51	375	635	77	83	274	391	109	286	279
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	274	374	51	375	635	77	83	274	391	109	286	279
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	274	374	51	375	635	77	83	274	391	109	286	279
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	274	374	51	375	635	77	83	274	391	109	286	279
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	274	374	51	375	635	77	83	274	391	109	286	279
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.91	0.91	0.93	0.92	0.92	0.70	0.70	0.83	0.66	0.66	0.83
Lanes:	1.00	1.76	0.24	1.00	1.78	0.22	0.23	0.77	1.00	0.28	0.72	1.00
Final Sat.:	1769	3063	414	1769	3105	377	307	1020	1583	345	906	1583
Capacity Analysis Module:												
Vol/Sat:	0.15	0.12	0.12	0.21	0.20	0.20	0.27	0.27	0.25	0.32	0.32	0.18
Crit Moves:	****			****			****			****		
Green/Cycle:	0.20	0.17	0.17	0.30	0.27	0.27	0.42	0.42	0.42	0.42	0.42	0.42
Volume/Cap:	0.76	0.71	0.71	0.71	0.76	0.76	0.65	0.65	0.59	0.76	0.76	0.43
Delay/Veh:	39.2	35.1	35.1	29.3	30.6	30.6	21.4	21.4	19.7	26.5	26.5	17.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	39.2	35.1	35.1	29.3	30.6	30.6	21.4	21.4	19.7	26.5	26.5	17.1
DesignQueue:	10	14	2	12	22	3	2	7	11	3	8	8

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2000 HCM Operations (Future Volume Alternative)  
2010 Plus Phase 1 PM

Intersection #20: High/Bay [N/S: Bay E/w: High]



Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	249	340	46	341	577	70	75	249	355	99	260	254
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	274	374	51	375	635	77	83	274	391	109	286	279
Added Vol:	0	3	0	0	1	1	2	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	274	377	51	375	636	78	84	274	391	109	286	279
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	274	377	51	375	636	78	84	274	391	109	286	279
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	274	377	51	375	636	78	84	274	391	109	286	279
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	274	377	51	375	636	78	84	274	391	109	286	279
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.91	0.91	0.93	0.92	0.92	0.69	0.69	0.83	0.66	0.66	0.83
Lanes:	1.00	1.76	0.24	1.00	1.78	0.22	0.24	0.76	1.00	0.28	0.72	1.00
Final sat.:	1769	3063	411	1769	3101	380	309	1000	1583	344	904	1583
Capacity Analysis Module:												
Vol/Sat:	0.15	0.12	0.12	0.21	0.21	0.21	0.27	0.27	0.25	0.32	0.32	0.18
Crit Moves:	****			****			****			****		
Green/Cycle:	0.20	0.17	0.17	0.30	0.27	0.27	0.42	0.42	0.42	0.42	0.42	0.42
Volume/Cap:	0.76	0.71	0.71	0.71	0.76	0.76	0.66	0.66	0.59	0.76	0.76	0.43
Delay/Veh:	39.3	35.1	35.1	29.4	30.6	30.6	21.8	21.8	19.6	26.6	26.6	17.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	39.3	35.1	35.1	29.4	30.6	30.6	21.8	21.8	19.6	26.6	26.6	17.0
DesignQueue:	10	14	2	12	22	3	2	7	11	3	8	8

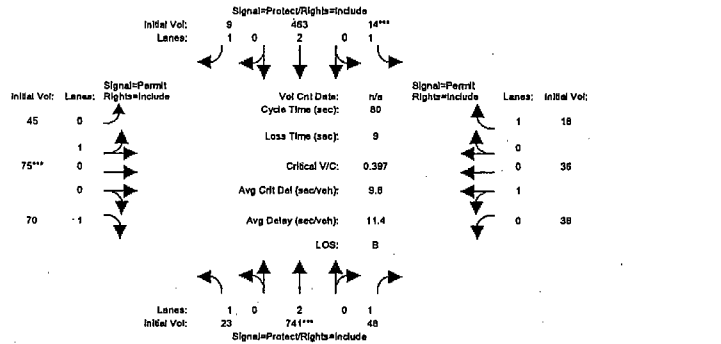


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2010 Plus Project AIA

Intersection #21: Bay/lowa [N/S: Bay E/w: Iowa]



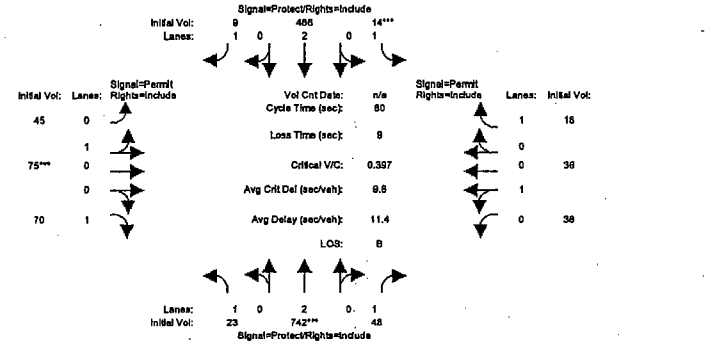
Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Volume Module:																				
Base Vol:	21	674	44	13	421	8	41	68	64	33	33	16	33	33	16	41	68	64		
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10		
Initial Bse:	23	741	48	14	463	9	45	75	70	36	36	18	36	36	18	45	75	70		
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Initial Fut:	23	741	48	14	463	9	45	75	70	36	36	18	36	36	18	45	75	70		
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
PHF Adj:	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83		
PHF Volume:	28	893	58	17	558	11	54	90	85	44	44	21	44	44	21	54	90	85		
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Reduced Vol:	28	893	58	17	558	11	54	90	85	44	44	21	44	44	21	54	90	85		
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
Final Vol.:	28	893	58	17	558	11	54	90	85	44	44	21	44	44	21	54	90	85		
Saturation Flow Module:																				
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900		
Adjustment:	0.93	0.93	0.83	0.93	0.93	0.83	0.84	0.84	0.83	0.80	0.80	0.83	0.80	0.80	0.83	0.84	0.84	0.83		
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	0.38	0.62	1.00	0.50	0.50	1.00	0.50	0.50	1.00	0.38	0.62	1.00		
Final Sat.:	1769	3538	1583	1769	3538	1583	604	1001	1583	762	762	1583	762	762	1583	604	1001	1583		
Capacity Analysis Module:																				
Vol/Sat:	0.02	0.25	0.04	0.01	0.16	0.01	0.09	0.09	0.05	0.06	0.06	0.01	0.06	0.06	0.01	0.09	0.09	0.05		
Crit Moves:	****						****						****			****				
Green/Cycle:	0.06	0.64	0.64	0.02	0.60	0.60	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.06	0.64	0.64		
Volume/Cap:	0.26	0.40	0.06	0.40	0.26	0.01	0.40	0.40	0.24	0.25	0.25	0.06	0.25	0.25	0.06	0.26	0.40	0.40		
Delay/Veh:	37.2	7.2	5.5	44.3	7.6	6.4	27.0	27.0	25.6	25.8	25.8	24.3	25.8	25.8	24.3	37.3	7.2	5.5		
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
AdjDel/Veh:	37.2	7.2	5.5	44.3	7.6	6.4	27.0	27.0	25.6	25.8	25.8	24.3	25.8	25.8	24.3	37.3	7.2	5.5		
DesignQueue:	1	15	1	1	10	0	2	3	3	2	2	1	2	2	1	1	15	1		

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2010 Plus Phase 1 AIA

Intersection #21: Bay/lowa [N/S: Bay E/w: Iowa]



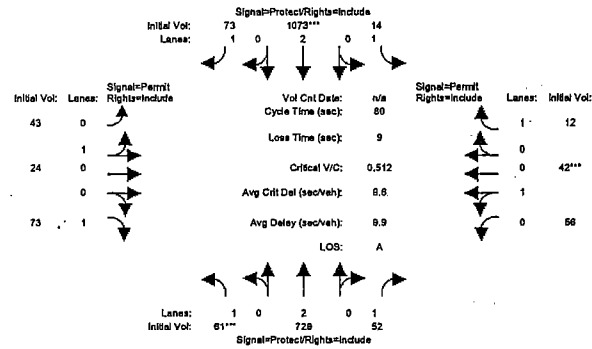
Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R	L	T	R		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Volume Module:																				
Base Vol:	21	674	44	13	421	8	41	68	64	33	33	16	33	33	16	41	68	64		
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10		
Initial Bse:	23	741	48	14	463	9	45	75	70	36	36	18	36	36	18	45	75	70		
Added Vol:	0	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0		
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Initial Fut:	23	742	48	14	466	9	45	75	70	36	36	18	36	36	18	45	75	70		
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
PHF Adj:	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83		
PHF Volume:	28	894	58	17	562	11	54	90	85	44	44	21	44	44	21	54	90	85		
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Reduced Vol:	28	894	58	17	562	11	54	90	85	44	44	21	44	44	21	54	90	85		
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
Final Vol.:	28	894	58	17	562	11	54	90	85	44	44	21	44	44	21	54	90	85		
Saturation Flow Module:																				
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900		
Adjustment:	0.93	0.93	0.83	0.93	0.93	0.83	0.84	0.84	0.83	0.80	0.80	0.83	0.80	0.80	0.83	0.84	0.84	0.83		
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	0.38	0.62	1.00	0.50	0.50	1.00	0.50	0.50	1.00	0.38	0.62	1.00		
Final Sat.:	1769	3538	1583	1769	3538	1583	604	1001	1583	762	762	1583	762	762	1583	604	1001	1583		
Capacity Analysis Module:																				
Vol/Sat:	0.02	0.25	0.04	0.01	0.16	0.01	0.09	0.09	0.05	0.06	0.06	0.01	0.06	0.06	0.01	0.09	0.09	0.05		
Crit Moves:	****						****						****			****				
Green/Cycle:	0.06	0.64	0.64	0.02	0.60	0.60	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.06	0.64	0.64		
Volume/Cap:	0.26	0.40	0.06	0.40	0.26	0.01	0.40	0.40	0.24	0.25	0.25	0.06	0.25	0.25	0.06	0.26	0.40	0.40		
Delay/Veh:	37.3	7.2	5.5	44.3	7.6	6.4	27.0	27.0	25.6	25.8	25.8	24.3	25.8	25.8	24.3	37.3	7.2	5.5		
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
AdjDel/Veh:	37.3	7.2	5.5	44.3	7.6	6.4	27.0	27.0	25.6	25.8	25.8	24.3	25.8	25.8	24.3	37.3	7.2	5.5		
DesignQueue:	1	15	1	1	10	0	2	3	3	2	2	1	2	2	1	1	15	1		

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 No Protect PM

Intersection #21: Bay/lowa [N/S: Bay E/w: Iowa]



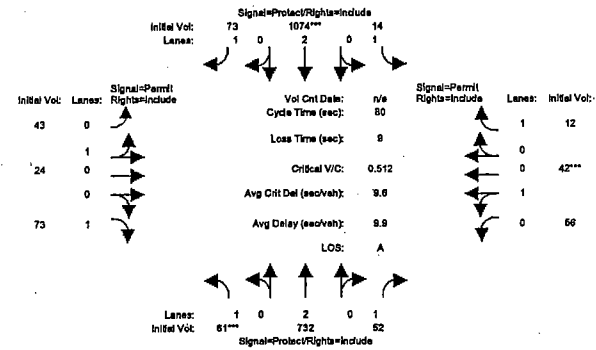
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	55	663	47	13	975	66	39	22	66	51	38	11
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	61	729	52	14	1073	73	43	24	73	56	42	12
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	61	729	52	14	1073	73	43	24	73	56	42	12
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
PHF Volume:	68	819	58	16	1205	82	48	27	82	63	47	14
Reduc Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	68	819	58	16	1205	82	48	27	82	63	47	14
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	68	819	58	16	1205	82	48	27	82	63	47	14
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.83	0.93	0.93	0.83	0.74	0.74	0.83	0.77	0.77	0.83
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	0.64	0.36	1.00	0.57	0.43	1.00
Final Sat.:	1769	3538	1583	1769	3538	1583	895	505	1583	837	623	1583
Capacity Analysis Module:												
Vol/Sat:	0.04	0.23	0.04	0.01	0.34	0.05	0.05	0.05	0.05	0.08	0.08	0.01
Crit Moves:	****											
Green/Cycle:	0.08	0.71	0.71	0.03	0.67	0.67	0.15	0.15	0.15	0.15	0.15	0.15
Volume/Cap:	0.51	0.33	0.05	0.33	0.51	0.08	0.37	0.37	0.35	0.51	0.51	0.06
Delay/Veh:	38.9	4.4	3.5	42.0	7.0	4.8	31.9	31.9	31.6	33.5	33.5	29.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.9	4.4	3.5	42.0	7.0	4.8	31.9	31.9	31.6	33.5	33.5	29.5
DesignQueue:	3	11	1	1	20	1	2	1	3	2	2	1

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 Phase 1 PM

Intersection #21: Bay/lowa [N/S: Bay E/w: Iowa]

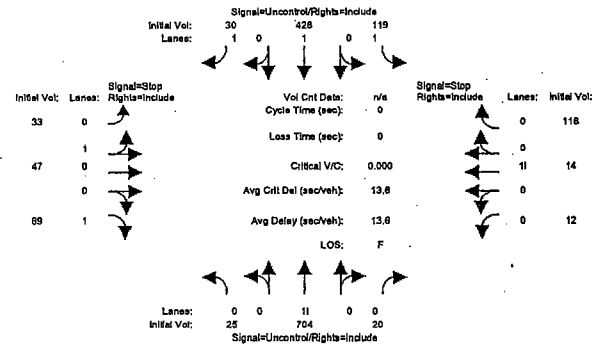


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	55	663	47	13	975	66	39	22	66	51	38	11
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	61	729	52	14	1073	73	43	24	73	56	42	12
Added Vol:	0	3	0	0	1	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	61	732	52	14	1073	73	43	24	73	56	42	12
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
PHF Volume:	68	823	58	16	1206	82	48	27	82	63	47	14
Reduc Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	68	823	58	16	1206	82	48	27	82	63	47	14
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	68	823	58	16	1206	82	48	27	82	63	47	14
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.83	0.93	0.93	0.83	0.74	0.74	0.83	0.77	0.77	0.83
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	0.64	0.36	1.00	0.57	0.43	1.00
Final Sat.:	1769	3538	1583	1769	3538	1583	895	505	1583	837	623	1583
Capacity Analysis Module:												
Vol/Sat:	0.04	0.23	0.04	0.01	0.34	0.05	0.05	0.05	0.05	0.08	0.08	0.01
Crit Moves:	****											
Green/Cycle:	0.08	0.71	0.71	0.03	0.67	0.67	0.15	0.15	0.15	0.15	0.15	0.15
Volume/Cap:	0.51	0.33	0.05	0.33	0.51	0.08	0.37	0.37	0.35	0.51	0.51	0.06
Delay/Veh:	39.0	4.4	3.4	42.0	7.0	4.8	31.9	31.9	31.6	33.6	33.6	29.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	39.0	4.4	3.4	42.0	7.0	4.8	31.9	31.9	31.6	33.6	33.6	29.5
DesignQueue:	3	11	1	1	20	1	2	1	3	2	2	1

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Intersection #22: Bay/Escalona (N/S: Bay E/W: Escalona)

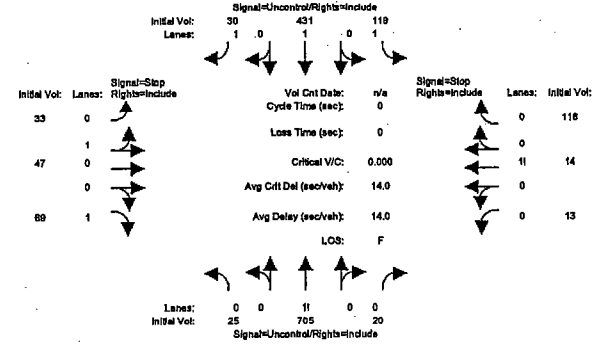


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	23	640	18	108	389	27	30	43	63	11	13	107
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	25	704	20	119	428	30	33	47	69	12	14	118
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	25	704	20	119	428	30	33	47	69	12	14	118
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	25	704	20	119	428	30	33	47	69	12	14	118
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	25	704	20	119	428	30	33	47	69	12	14	118
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxx	4.1	xxxx	xxxx	7.1	6.5	6.2	7.1	6.5	6.2
FollowUpTim:	2.2	xxxx	xxxx	2.2	xxxx	xxxx	3.5	4.0	3.3	3.5	4.0	3.3
Capacity Module:												
Cnflct Vol:	458	xxxx	xxxx	724	xxxx	xxxx	1496	1440	428	1503	1460	714
Potent Cap.:	1114	xxxx	xxxx	888	xxxx	xxxx	102	134	631	101	130	435
Move Cap.:	1114	xxxx	xxxx	888	xxxx	xxxx	59	113	631	54	110	435
Level Of Service Module:												
Stopped Del:	8.3	xxxx	xxxx	9.7	xxxx	xxxx	xxxx	xxxx	11.4	xxxx	xxxx	xxxx
LOS by Move:	A	*	*	A	*	*	*	*	B	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	82	xxxx	xxxx	231	xxxx	xxxx
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	181.0	xxxx	xxxx	43.4	xxxx	xxxx
Shared LOS:	*	*	*	*	*	*	F	*	*	E	*	*
ApproachDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	102.4			43.4		
ApproachLOS:	*	*	*	*	*	*	F			E		

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2000 HCM Unsignalized (Future Volume Alternative)  
2010 Plus Phase 1 AM

Intersection #22: Bay/Escalona (N/S: Bay E/W: Escalona)

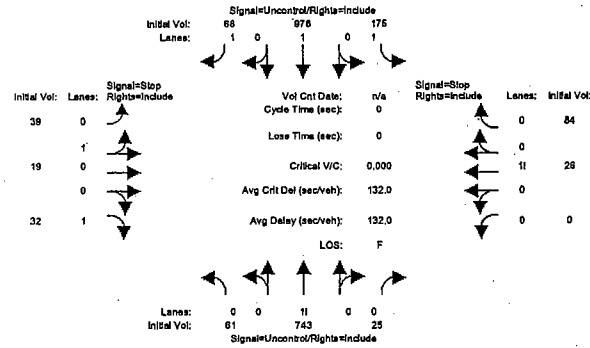


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	23	640	18	108	389	27	30	43	63	11	13	107
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	25	704	20	119	428	30	33	47	69	12	14	118
Added Vol:	0	1	0	0	3	0	0	0	0	0	1	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	25	705	20	119	431	30	33	47	69	13	14	118
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	25	705	20	119	431	30	33	47	69	13	14	118
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	25	705	20	119	431	30	33	47	69	13	14	118
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxx	4.1	xxxx	xxxx	7.1	6.5	6.2	7.1	6.5	6.2
FollowUpTim:	2.2	xxxx	xxxx	2.2	xxxx	xxxx	3.5	4.0	3.3	3.5	4.0	3.3
Capacity Module:												
Cnflct Vol:	461	xxxx	xxxx	725	xxxx	xxxx	1500	1444	431	1507	1464	715
Potent Cap.:	1111	xxxx	xxxx	887	xxxx	xxxx	101	133	629	100	130	434
Move Cap.:	1111	xxxx	xxxx	887	xxxx	xxxx	59	113	629	53	110	434
Level Of Service Module:												
Stopped Del:	8.3	xxxx	xxxx	9.7	xxxx	xxxx	xxxx	xxxx	11.4	xxxx	xxxx	xxxx
LOS by Move:	A	*	*	A	*	*	*	*	B	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	82	xxxx	xxxx	224	xxxx	xxxx
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	183.7	xxxx	xxxx	46.3	xxxx	xxxx
Shared LOS:	*	*	*	*	*	*	F	*	*	E	*	*
ApproachDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	103.9			46.3		
ApproachLOS:	*	*	*	*	*	*	F			E		

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2010 No Project PM

Intersection #22: Bay/Escalona [N/S: Bay E/W: Escalona]



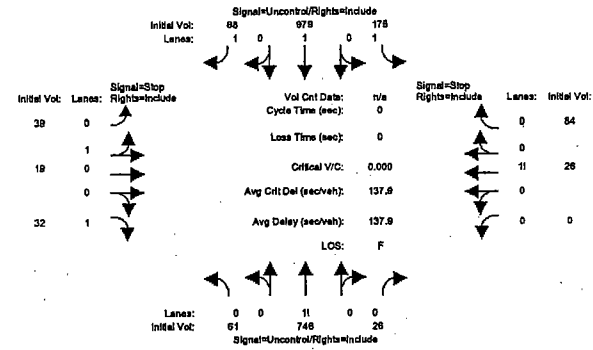
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	55	675	23	159	889	62	35	17	29	0	24	76
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	61	743	25	175	978	68	39	19	32	0	26	84
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	61	743	25	175	978	68	39	19	32	0	26	84
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	61	743	25	175	978	68	39	19	32	0	26	84
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	61	743	25	175	978	68	39	19	32	0	26	84
Critical Gap Module:												
Critical Gp:	4.1	xxxxx	xxxxxx	4.1	xxxxx	xxxxxx	7.1	6.5	6.2	xxxxxx	6.5	6.2
FollowUpTim:	2.2	xxxxx	xxxxxx	2.2	xxxxx	xxxxxx	3.5	4.0	3.3	xxxxxx	4.0	3.3
Capacity Module:												
Cnflct Vol:	1046	xxxxx	xxxxxx	768	xxxxx	xxxxxx	2259	2217	978	xxxxx	2272	755
Potent Cap.:	673	xxxxx	xxxxxx	855	xxxxx	xxxxxx	30	44	307	xxxxx	41	412
Move Cap.:	673	xxxxx	xxxxxx	855	xxxxx	xxxxxx	4	32	307	xxxxx	29	412
Level Of Service Module:												
Stopped Del:	10.9	xxxxx	xxxxxx	10.3	xxxxx	xxxxxx	xxxxxx	xxxxx	18.1	xxxxxx	xxxxx	xxxxxx
LOS by Move:	B	*	*	B	*	*	*	*	C	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxxx	xxxxx	xxxxxx	xxxxx	xxxxx	xxxxxx	6	xxxxx	xxxxxx	xxxxx	xxxxx	100
Shrd StpDel:	xxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	4868	xxxxx	xxxxxx	xxxxxx	xxxxx	198.5
Shared LOS:	*	*	*	*	*	*	F	*	*	*	*	F
ApproachDel:	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	3131.9	xxxxxx	198.5	xxxxxx	xxxxxx	201.7
ApproachLOS:	*	*	*	*	*	*	F	*	F	*	*	F

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2000 HCM Unsignalized (Future Volume Alternative)  
2010 Plus Phase 1 PM

Intersection #22: Bay/Escalona [N/S: Bay E/W: Escalona]



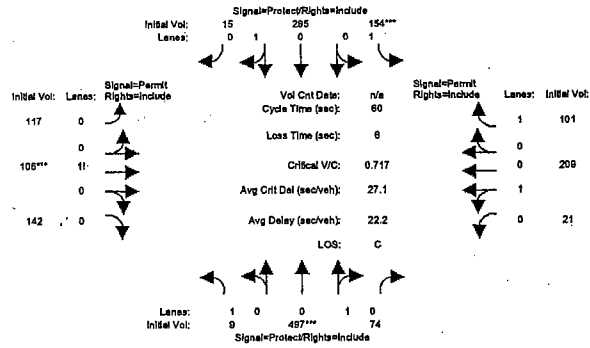
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	55	675	23	159	889	62	35	17	29	0	24	76
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	61	743	25	175	978	68	39	19	32	0	26	84
Added Vol:	0	3	1	0	1	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	61	746	26	175	979	68	39	19	32	0	26	84
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	61	746	26	175	979	68	39	19	32	0	26	84
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	61	746	26	175	979	68	39	19	32	0	26	84
Critical Gap Module:												
Critical Gp:	4.1	xxxxx	xxxxxx	4.1	xxxxx	xxxxxx	7.1	6.5	6.2	xxxxxx	6.5	6.2
FollowUpTim:	2.2	xxxxx	xxxxxx	2.2	xxxxx	xxxxxx	3.5	4.0	3.3	xxxxxx	4.0	3.3
Capacity Module:												
Cnflct Vol:	1047	xxxxx	xxxxxx	772	xxxxx	xxxxxx	2263	2221	979	xxxxx	2277	759
Potent Cap.:	672	xxxxx	xxxxxx	852	xxxxx	xxxxxx	29	44	306	xxxxx	41	410
Move Cap.:	672	xxxxx	xxxxxx	852	xxxxx	xxxxxx	4	32	306	xxxxx	29	410
Level Of Service Module:												
Stopped Del:	10.9	xxxxx	xxxxxx	10.3	xxxxx	xxxxxx	xxxxxx	xxxxx	18.1	xxxxxx	xxxxx	xxxxxx
LOS by Move:	B	*	*	B	*	*	*	*	C	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	6	xxxxx	xxxxxx	xxxxxx	xxxxx	99
Shrd StpDel:	xxxxxx	xxxxx	xxxxxx	xxxxxx	xxxxx	xxxxxx	5111	xxxxx	xxxxxx	xxxxxx	xxxxx	201.7
Shared LOS:	*	*	*	*	*	*	F	*	*	*	*	F
ApproachDel:	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	3287.4	xxxxxx	198.5	xxxxxx	xxxxxx	201.7
ApproachLOS:	*	*	*	*	*	*	F	*	F	*	*	F

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Intersection #23: Bay/King (N/S: Bay E/W: King)



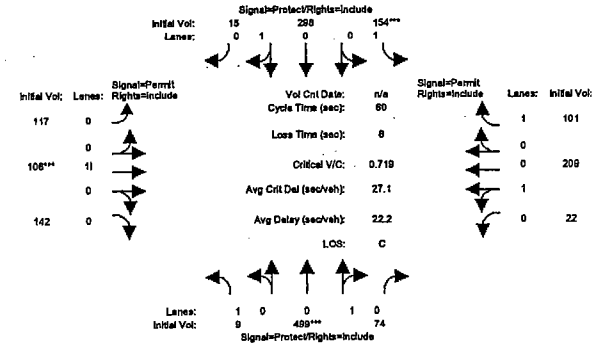
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:												
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	8	452	67	140	268	14	106	96	129	19	190	92
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	9	497	74	154	295	15	117	106	142	21	209	101
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	9	497	74	154	295	15	117	106	142	21	209	101
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	9	497	74	154	295	15	117	106	142	21	209	101
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	497	74	154	295	15	117	106	142	21	209	101
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	9	497	74	154	295	15	117	106	142	21	209	101
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.96	0.96	0.93	0.97	0.97	0.73	0.73	0.73	0.94	0.94	0.83
Lanes:	1.00	0.87	0.13	1.00	0.95	0.05	0.32	0.29	0.39	0.09	0.91	1.00
Final Sat.:	1769	1591	236	1769	1757	92	442	400	538	162	1620	1583
Capacity Analysis Module:												
Vol/Sat:	0.00	0.31	0.31	0.09	0.17	0.17	0.26	0.26	0.26	0.13	0.13	0.06
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***
Green/Cycle:	0.02	0.44	0.44	0.12	0.54	0.54	0.37	0.37	0.37	0.37	0.37	0.37
Volume/Cap:	0.31	0.72	0.72	0.72	0.31	0.31	0.72	0.72	0.72	0.35	0.35	0.17
Delay/Veh:	45.1	21.7	21.7	44.8	10.3	10.3	26.6	26.6	26.6	18.7	18.7	17.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	45.1	21.7	21.7	44.8	10.3	10.3	26.6	26.6	26.6	18.7	18.7	17.2
DesignQueue:	0	14	2	6	6	0	3	3	4	1	6	3

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 Plus Phase 1 AM

Intersection #23: Bay/King (N/S: Bay E/W: King)



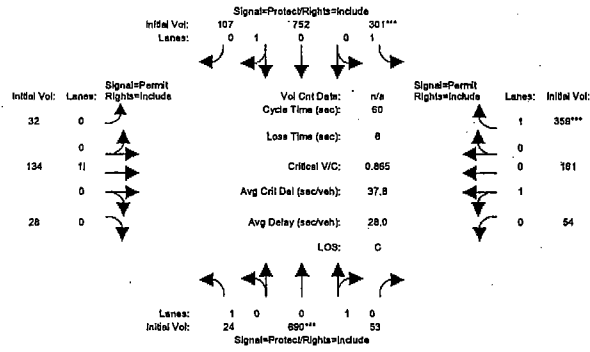
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:												
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	8	452	67	140	268	14	106	96	129	19	190	92
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	9	497	74	154	295	15	117	106	142	21	209	101
Added Vol:	0	2	0	0	3	0	0	0	0	0	1	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	9	499	74	154	298	15	117	106	142	22	209	101
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	9	499	74	154	298	15	117	106	142	22	209	101
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	499	74	154	298	15	117	106	142	22	209	101
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	9	499	74	154	298	15	117	106	142	22	209	101
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.96	0.96	0.93	0.97	0.97	0.73	0.73	0.73	0.93	0.93	0.83
Lanes:	1.00	0.87	0.13	1.00	0.95	0.05	0.32	0.29	0.39	0.09	0.91	1.00
Final Sat.:	1769	1592	236	1769	1758	91	442	400	537	168	1604	1583
Capacity Analysis Module:												
Vol/Sat:	0.00	0.31	0.31	0.09	0.17	0.17	0.26	0.26	0.26	0.13	0.13	0.06
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***
Green/Cycle:	0.02	0.44	0.44	0.12	0.54	0.54	0.37	0.37	0.37	0.37	0.37	0.37
Volume/Cap:	0.31	0.72	0.72	0.72	0.31	0.31	0.72	0.72	0.72	0.35	0.35	0.17
Delay/Veh:	45.2	21.7	21.7	45.0	10.3	10.3	26.7	26.7	26.7	18.7	18.7	17.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	45.2	21.7	21.7	45.0	10.3	10.3	26.7	26.7	26.7	18.7	18.7	17.2
DesignQueue:	0	14	2	6	6	0	3	3	4	1	6	3

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 No Project PM

Intersection #23: Bay/King [NS: Bay E/W: King]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R

Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
-------------	---	---	---	---	---	---	---	---	---	---	---	---

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	22	627	48	274	684	97	29	122	25	49	146	326
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	24	690	53	301	752	107	32	134	28	54	161	359
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	24	690	53	301	752	107	32	134	28	54	161	359
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	690	53	301	752	107	32	134	28	54	161	359
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	690	53	301	752	107	32	134	28	54	161	359
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	24	690	53	301	752	107	32	134	28	54	161	359

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.97	0.97	0.93	0.96	0.96	0.89	0.89	0.89	0.87	0.87	0.83
Lanes:	1.00	0.93	0.07	1.00	0.88	0.12	0.16	0.70	0.14	0.25	0.75	1.00
Final Sat.:	1769	1711	131	1769	1600	227	280	1176	241	413	1231	1583

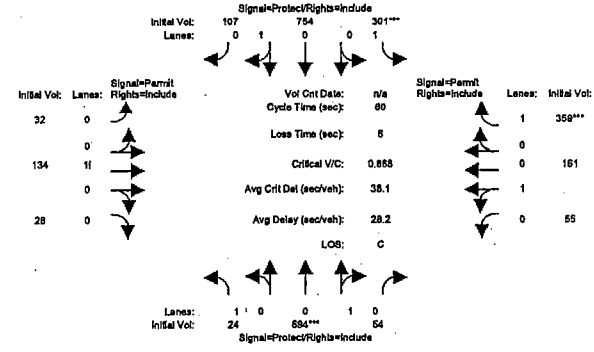
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.01	0.40	0.40	0.17	0.47	0.47	0.11	0.11	0.11	0.13	0.13	0.23
Crit Moves:	****			****			****			****		
Green/Cycle:	0.02	0.47	0.47	0.20	0.64	0.64	0.26	0.26	0.26	0.26	0.26	0.26
Volume/Cap:	0.73	0.87	0.87	0.87	0.73	0.73	0.44	0.44	0.44	0.50	0.50	0.87
Delay/Veh:	96.9	28.3	28.3	50.7	11.9	11.9	25.3	25.3	25.3	26.0	26.0	45.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	96.9	28.3	28.3	50.7	11.9	11.9	25.3	25.3	25.3	26.0	26.0	45.2
DesignQueue:	1	18	1	11	13	2	1	5	1	2	5	12

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2010 Plus Phase 1 PM

Intersection #23: Bay/King [NS: Bay E/W: King]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R

Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
-------------	---	---	---	---	---	---	---	---	---	---	---	---

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	22	627	48	274	684	97	29	122	25	49	146	326
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	24	690	53	301	752	107	32	134	28	54	161	359
Added Vol:	0	4	1	0	2	0	0	0	0	1	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	24	694	54	301	754	107	32	134	28	55	161	359
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	694	54	301	754	107	32	134	28	55	161	359
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	24	694	54	301	754	107	32	134	28	55	161	359
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	24	694	54	301	754	107	32	134	28	55	161	359

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.97	0.97	0.93	0.96	0.96	0.89	0.89	0.89	0.86	0.86	0.83
Lanes:	1.00	0.93	0.07	1.00	0.88	0.12	0.16	0.70	0.14	0.25	0.75	1.00
Final Sat.:	1769	1709	133	1769	1600	226	280	1176	241	416	1217	1583

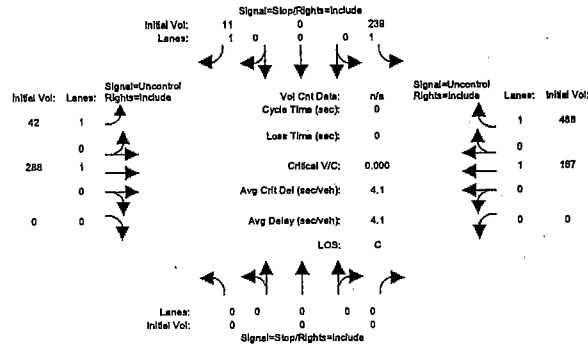
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.01	0.41	0.41	0.17	0.47	0.47	0.11	0.11	0.11	0.13	0.13	0.23
Crit Moves:	****			****			****			****		
Green/Cycle:	0.02	0.47	0.47	0.20	0.65	0.65	0.26	0.26	0.26	0.26	0.26	0.26
Volume/Cap:	0.73	0.87	0.87	0.87	0.73	0.73	0.44	0.44	0.44	0.51	0.51	0.87
Delay/Veh:	97.1	28.4	28.4	51.2	11.9	11.9	25.3	25.3	25.3	26.1	26.1	45.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	97.1	28.4	28.4	51.2	11.9	11.9	25.3	25.3	25.3	26.1	26.1	45.7
DesignQueue:	1	18	1	11	14	2	1	5	1	2	5	12

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2010 Plus Phase 1 AM

Intersection #24: Empire Grade/Heller [N/S: Heller E/W: Empire Grade]



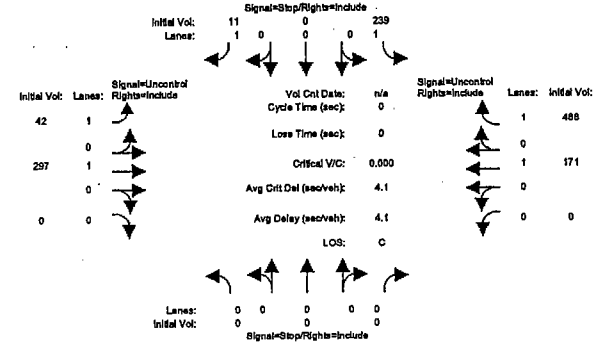
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	0	0	217	0	10	38	262	0	0	152	444
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	0	0	0	239	0	11	42	288	0	0	167	488
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	239	0	11	42	288	0	0	167	488
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	239	0	11	42	288	0	0	167	488
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	239	0	11	42	288	0	0	167	488
Critical Gap Module:												
Critical Gp:	XXXXXX	XXXX	XXXXXX	6.4	XXXX	6.2	4.1	XXXX	XXXXXX	XXXXXX	XXXX	XXXXXX
FollowUpTim:	XXXXXX	XXXX	XXXXXX	3.5	XXXX	3.3	2.2	XXXX	XXXXXX	XXXXXX	XXXX	XXXXXX
Capacity Module:												
Conflict Vol:	XXXX	XXXX	XXXXXX	539	XXXX	167	656	XXXX	XXXXXX	XXXX	XXXX	XXXXXX
Potent Cap.:	XXXX	XXXX	XXXXXX	507	XXXX	882	941	XXXX	XXXXXX	XXXX	XXXX	XXXXXX
Move Cap.:	XXXX	XXXX	XXXXXX	490	XXXX	882	941	XXXX	XXXXXX	XXXX	XXXX	XXXXXX
Level Of Service Module:												
Stopped Del:	XXXX	XXXX	XXXXXX	19.1	XXXX	9.1	9.0	XXXX	XXXXXX	XXXXXX	XXXX	XXXXXX
LOS by Move:	*	*	*	C	*	A	A	*	*	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX
Shrd StpDel:	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	XXXXXX			18.7			XXXXXX			XXXXXX		
ApproachLOS:	*			C			*			*		

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2010 Plus Phase 1 AM

Intersection #24: Empire Grade/Heller [N/S: Heller E/W: Empire Grade]



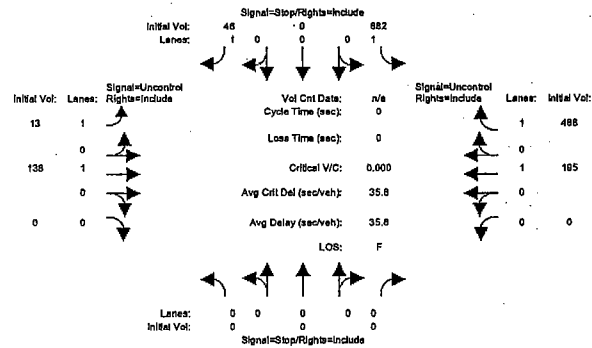
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	0	0	217	0	10	38	262	0	0	152	444
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	0	0	0	239	0	11	42	288	0	0	167	488
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	239	0	11	42	297	0	0	171	488
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	239	0	11	42	297	0	0	171	488
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	239	0	11	42	297	0	0	171	488
Critical Gap Module:												
Critical Gp:	XXXXXX	XXXX	XXXXXX	6.4	XXXX	6.2	4.1	XXXX	XXXXXX	XXXXXX	XXXX	XXXXXX
FollowUpTim:	XXXXXX	XXXX	XXXXXX	3.5	XXXX	3.3	2.2	XXXX	XXXXXX	XXXXXX	XXXX	XXXXXX
Capacity Module:												
Conflict Vol:	XXXX	XXXX	XXXXXX	552	XXXX	171	660	XXXX	XXXXXX	XXXX	XXXX	XXXXXX
Potent Cap.:	XXXX	XXXX	XXXXXX	498	XXXX	878	938	XXXX	XXXXXX	XXXX	XXXX	XXXXXX
Move Cap.:	XXXX	XXXX	XXXXXX	481	XXXX	878	938	XXXX	XXXXXX	XXXX	XXXX	XXXXXX
Level Of Service Module:												
Stopped Del:	XXXX	XXXX	XXXXXX	19.6	XXXX	9.2	9.0	XXXX	XXXXXX	XXXXXX	XXXX	XXXXXX
LOS by Move:	*	*	*	C	*	A	A	*	*	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX
Shrd StpDel:	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX	XXXX	XXXX	XXXXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	XXXXXX			19.2			XXXXXX			XXXXXX		
ApproachLOS:	*			C			*			*		

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2010 No Project PM

Intersection #24: Empire Grade/Heller [N/S: Heller E/W: Empire Grade]



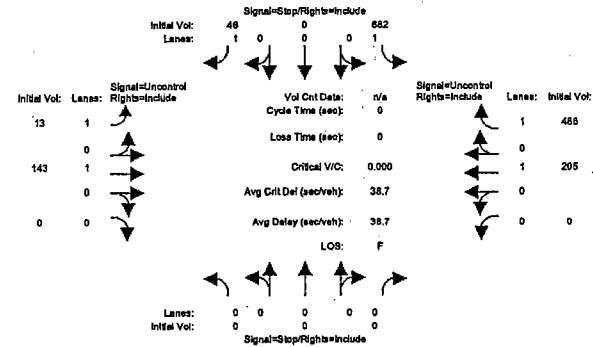
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	0	0	620	0	42	12	125	0	0	177	444
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	0	0	0	682	0	46	13	138	0	0	195	488
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	682	0	46	13	138	0	0	195	488
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	682	0	46	13	138	0	0	195	488
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	682	0	46	13	138	0	0	195	488
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	6.4	xxxx	6.2	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	3.5	xxxx	3.3	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflct Vol:	xxxxx	xxxx	xxxxx	359	xxxx	195	683	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxxx	xxxx	xxxxx	644	xxxx	852	919	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxxx	xxxx	xxxxx	637	xxxx	852	919	xxxx	xxxxx	xxxx	xxxx	xxxxx
Level Of Service Module:												
Stopped Del:	xxxxx	xxxx	xxxxx	81.1	xxxx	9.5	9.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	F	*	A	A	*	*	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			76.6			xxxxxx			xxxxxx		
ApproachLOS:	*			F			*			*		

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2010 Plus Phase 1 PM

Intersection #24: Empire Grade/Heller [N/S: Heller E/W: Empire Grade]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	0	0	620	0	42	12	125	0	0	177	444
Growth Adj:	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
Initial Bse:	0	0	0	682	0	46	13	138	0	0	195	488
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	682	0	46	13	143	0	0	205	488
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	682	0	46	13	143	0	0	205	488
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	682	0	46	13	143	0	0	205	488
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	6.4	xxxx	6.2	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	3.5	xxxx	3.3	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflct Vol:	xxxxx	xxxx	xxxxx	374	xxxx	205	693	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxxx	xxxx	xxxxx	631	xxxx	841	912	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxxx	xxxx	xxxxx	624	xxxx	841	912	xxxx	xxxxx	xxxx	xxxx	xxxxx
Level Of Service Module:												
Stopped Del:	xxxxx	xxxx	xxxxx	88.7	xxxx	9.5	9.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	F	*	A	A	*	*	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			83.6			xxxxxx			xxxxxx		
ApproachLOS:	*			F			*			*		



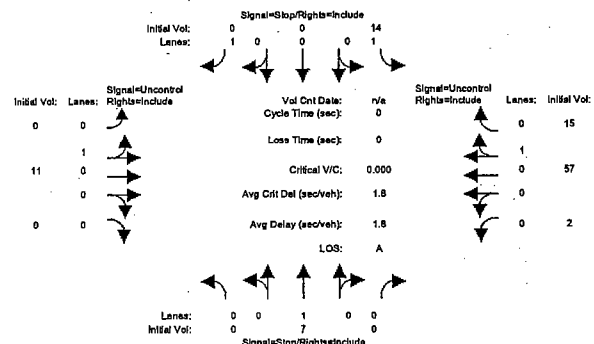
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Summary Scenario Comparison Report (With Average Critical Delay)  
Future Volume Alternative

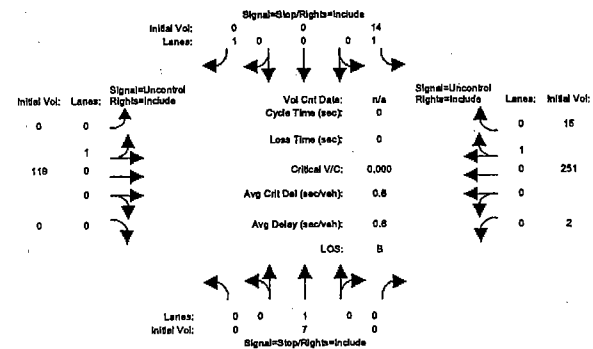
Intersection	2020 Baseline AM				2020 Plus Phase 1 and 2 AM				2020 Baseline PM					2020 Plus Phase 1 and 2 PM				
	LOS	Avg Del (sec)	Crit V/C	Avg Crit Del (sec)	LOS	Avg Del (sec)	Crit V/C	Avg Crit Del (sec)	LOS	Avg Del (sec)	Crit V/C	Change	Avg Crit Del (sec)	Avg Crit Del Change	LOS	Avg Del (sec)	Crit V/C	Avg Crit Del (sec)
#1 Delaware/Shaffer [N/S:Shaffer E/W:Delaware]	A	1.8	0.000	1.8	B	0.6	0.000	0.6	A	1.5	0.000	+0.000	1.5	+0.9	B	0.4	0.000	0.4
#2 Delaware/Natural Bridges [N/S:Natural Bridges E/W:Delaware]	A	8.3	0.248	8.3	A	10.0	0.439	10.0	A	8.9	0.209	-0.230	8.9	-1.1	B	11.5	0.516	11.5
#3 Delaware/Swanton [N/S: Swanton E/W: Delaware]	B	3.9	0.000	3.9	B	3.6	0.000	3.6	B	3.6	0.000	+0.000	3.6	+0.1	B	3.3	0.000	3.3
#4 Bay/Laguna [N/S:Laguna E/W: Bay]	B	4.5	0.000	4.5	C	4.9	0.000	4.9	C	5.0	0.000	+0.000	5.0	+0.2	C	5.9	0.000	5.9
#5 SR 1/Shaffer [N/S: Shaffer E/w: SR 1]	B	2.9	0.000	2.9	B	3.0	0.000	3.0	C	3.0	0.000	+0.000	3.0	+0.0	C	3.2	0.000	3.2
#6 Delaware/Swift [N/S: Swift E/W: Delaware]	C	15.5	0.651	15.5	C	24.7	0.848	24.7	C	15.1	0.680	-0.168	15.1	-9.6	C	23.4	0.847	23.4
#7 Delaware/Almar [N/S: Almar E/W: Delaware]	B	11.0	0.503	11.0	B	12.6	0.584	12.6	C	16.9	0.769	+0.185	16.9	+4.3	D	28.8	0.944	28.8
#8 SR 1/Western [N/S: Western E/w: SR 1]	C	25.1	0.554	27.4	C	26.3	0.593	29.7	C	26.4	0.784	+0.191	30.0	+0.2	C	29.5	0.831	35.9
#9 SR 1/Swift [N/S: Swift E/w: SR 1]	C	25.6	0.554	34.5	C	25.8	0.593	35.0	C	24.2	0.569	-0.024	29.3	-5.8	C	24.7	0.599	30.2
#10 Mission/Almar [N/S: Almar E/w: Mission]	C	22.2	0.608	30.2	C	24.6	0.674	34.0	C	26.8	0.756	+0.082	36.1	+2.1	C	31.4	0.838	42.6
#11 Mission/Bay [N/S: Bay E/w: Mission]	D	51.9	0.968	58.7	E	61.0	1.020	71.2	F	168.0	1.349	+0.328	203.2	+132.0	F	191.5	1.395	221.8
#12 Laurel/California [N/S: California E/w: Laurel]	C	23.0	0.646	27.8	C	23.4	0.657	28.4	C	31.8	0.859	+0.202	38.8	+10.4	C	33.0	0.870	40.2
#13 Mission/Laurel [N/S: Laurel E/w: Mission]	C	29.1	0.820	32.2	C	30.0	0.844	33.3	D	46.0	0.963	+0.119	56.8	+23.5	D	52.5	1.012	67.2
#14 Mission/Walnut [N/S: Walnut E/w: Mission]	C	26.2	0.725	29.5	C	26.3	0.747	29.8	B	19.8	0.598	-0.149	21.9	-7.8	B	19.4	0.643	21.6
#15 Mission/Union [N/S: Union E/w: Mission]	C	34.5	0.891	35.6	D	36.5	0.912	36.9	D	44.0	0.985	+0.073	45.6	+8.7	D	50.8	1.022	54.4
#16 Mission/Chestnut [N/S: Chestnut E/w: Mission]	F	139.4	1.318	186.6	F	151.8	1.344	198.0	F	233.2	1.580	+0.236	293.5	+95.5	F	244.6	1.611	303.2
#17 Mission/River [N/S: River E/w: Mission]	E	68.4	1.120	107.8	E	71.1	1.134	113.1	F	110.6	1.229	+0.094	157.5	+44.5	F	118.8	1.258	169.3
#18 Western/Meder [N/S: Western E/w: Meder]	A	9.5	0.412	9.5	A	9.8	0.431	9.8	B	10.7	0.436	+0.005	10.7	+0.9	B	11.2	0.465	11.2
#19 High/Western [N/S: Western E/w: High]	F	33.9	0.000	33.9	F	39.8	0.000	39.8	F	46.6	0.000	+0.000	46.6	+6.8	F	59.8	0.000	59.8
#20 High/Bay [N/S: Bay E/w: High]	C	25.0	0.781	28.7	C	25.2	0.781	28.7	D	46.1	0.967	+0.186	56.9	+28.2	D	47.3	0.973	58.2
#21 Bay/Iowa [N/S: Bay E/w: Iowa]	B	11.2	0.496	9.5	B	11.2	0.497	9.5	B	10.5	0.622	+0.125	10.6	+1.1	B	10.5	0.623	10.6
#22 Bay/Escalona [N/S: Bay E/w: Escalona]	F	85.3	0.000	85.3	F	93.7	0.000	93.7	F	42.2	0.000	+0.000	42.2	-51.5	F	1.2	0.000	1.2
#23 Bay/King [N/S: Bay E/w: King]	C	29.9	0.874	39.2	C	30.2	0.878	39.7	D	50.8	1.041	+0.163	75.8	+36.1	D	51.8	1.048	77.7
#24 Empire Grade/Heller [N/S: Heller E/w: Empire Grade]	D	6.1	0.000	6.1	D	6.6	0.000	6.6	F	101.6	0.000	+0.000	101.6	+95.0	F	112.7	0.000	112.7

Intersection #1: Delaware/Shaffer [N/S:Shaffer EW:Delaware]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	6	0	11	0	0	0	9	0	2	46	12
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	0	7	0	14	0	0	0	11	0	2	57	15
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	7	0	14	0	0	0	11	0	2	57	15
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	7	0	14	0	0	0	11	0	2	57	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	7	0	14	0	0	0	11	0	2	57	15
Critical Gap Module:												
Critical Gp:	xxxxx	6.6	xxxxx	7.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	4.1	xxxxx	xxxxx
FollowUpTim:	xxxxx	4.1	xxxxx	3.6	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	2.2	xxxxx	xxxxx
Capacity Module:												
Cnflct Vol:	xxxxx	88	xxxxx	84	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	11	xxxxx	xxxxx
Potent Cap.:	xxxxx	791	xxxxx	888	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	1589	xxxxx	xxxxx
Move Cap.:	xxxxx	790	xxxxx	881	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	1589	xxxxx	xxxxx
Level Of Service Module:												
Stopped Del:	xxxxx	9.6	xxxxx	9.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	7.3	xxxxx	xxxxx
LOS by Move:	*	A	*	*	A	*	*	*	*	*	A	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:		9.6			9.2							
ApproachLOS:		A			A							

Intersection #1: Delaware/Shaffer [N/S:Shaffer EW:Delaware]



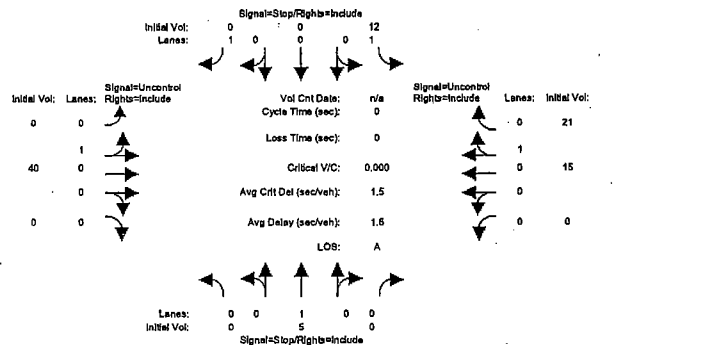
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	6	0	11	0	0	0	9	0	2	46	12
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	0	7	0	14	0	0	0	11	0	2	57	15
Added Vol:	0	0	0	0	0	0	0	108	0	0	194	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	7	0	14	0	0	0	119	0	2	251	15
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	7	0	14	0	0	0	119	0	2	251	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	7	0	14	0	0	0	119	0	2	251	15
Critical Gap Module:												
Critical Gp:	xxxxx	6.6	xxxxx	7.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	4.1	xxxxx	xxxxx
FollowUpTim:	xxxxx	4.1	xxxxx	3.6	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	2.2	xxxxx	xxxxx
Capacity Module:												
Cnflct Vol:	xxxxx	390	xxxxx	386	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	119	xxxxx	xxxxx
Potent Cap.:	xxxxx	536	xxxxx	562	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	1450	xxxxx	xxxxx
Move Cap.:	xxxxx	535	xxxxx	555	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	1450	xxxxx	xxxxx
Level Of Service Module:												
Stopped Del:	xxxxx	11.8	xxxxx	11.7	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	7.5	xxxxx	xxxxx
LOS by Move:	*	B	*	*	B	*	*	*	*	*	A	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:		11.8			11.7							
ApproachLOS:		B			B							

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2020 Baseline PM

Intersection #1: Delaware/Shaffer [N/S:Shaffer E/W:Delaware]



Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:												
Volume Module:	-----											
Base Vol:	0	4	0	10	0	0	0	32	0	0	12	17
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	0	5	0	12	0	0	0	40	0	0	15	21
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	5	0	12	0	0	0	40	0	0	15	21
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	5	0	12	0	0	0	40	0	0	15	21
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol:	0	5	0	12	0	0	0	40	0	0	15	21
Critical Gap Module:	-----											
Critical Gp:	xxxxx	6.6	xxxxx	7.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
FollowUpTim:	xxxxx	4.1	xxxxx	3.6	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Capacity Module:	-----											
Conflict Vol:	xxxxx	76	xxxxx	68	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Potent Cap:	xxxxx	803	xxxxx	911	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Move Cap:	xxxxx	803	xxxxx	906	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Level Of Service Module:	-----											
Stopped Del:	xxxxx	9.5	xxxxx	9.0	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
LOS by Move:	*	A	*	A	*	*	*	*	*	*	*	*
Movement:	LT - LTR - RT		LT - LTR - RT		LT - LTR - RT		LT - LTR - RT		LT - LTR - RT		LT - LTR - RT	
Shared Cap:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:		9.5		9.0				xxxxxx				xxxxxx
ApproachLOS:		A		A				*				*

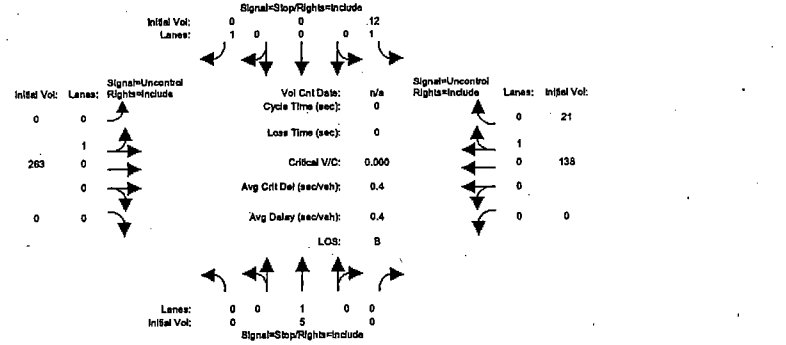
app: 0.000  
movement:  
volume module:  
base vol:  
growth adj:  
initial bse:  
added vol:  
campus incr:  
initial fut:  
user adj:  
phf adj:  
phf volume:  
reduct vol:  
final vol:  
critical gap module:  
critical gp:  
followup tim:  
capacity module:  
conflict vol:  
potent cap:  
move cap:  
level of service module:  
stopped del:  
los by move:  
movement:  
shared cap:  
shrd stp del:  
shared los:  
approach del:  
approach los:

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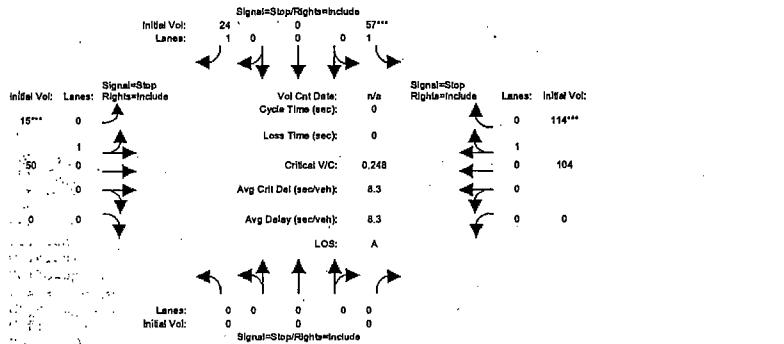
Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2020 Plus Phase 1 and 2 PM

Intersection #1: Delaware/Shaffer [N/S:Shaffer E/W:Delaware]



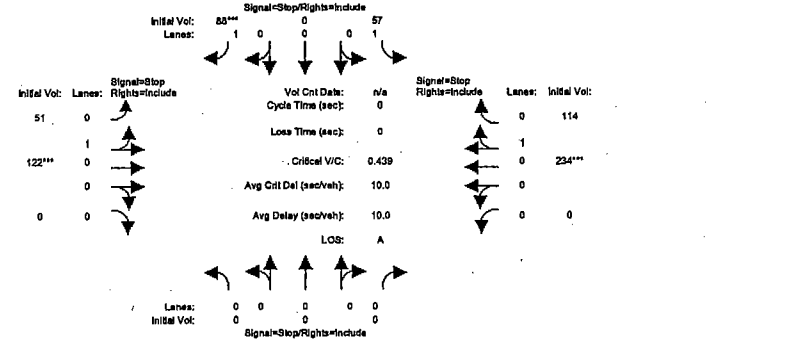
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:												
Volume Module:	-----											
Base Vol:	0	4	0	10	0	0	0	32	0	0	12	17
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	0	5	0	12	0	0	0	40	0	0	15	21
Added Vol:	0	0	0	0	0	0	0	223	0	0	123	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	5	0	12	0	0	0	263	0	0	138	21
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	5	0	12	0	0	0	263	0	0	138	21
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol:	0	5	0	12	0	0	0	263	0	0	138	21
Critical Gap Module:	-----											
Critical Gp:	xxxxx	6.6	xxxxx	7.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
FollowUpTim:	xxxxx	4.1	xxxxx	3.6	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Capacity Module:	-----											
Conflict Vol:	xxxxx	422	xxxxx	414	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Potent Cap:	xxxxx	514	xxxxx	539	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Move Cap:	xxxxx	514	xxxxx	535	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Level Of Service Module:	-----											
Stopped Del:	xxxxx	12.1	xxxxx	11.9	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
LOS by Move:	*	B	*	B	*	*	*	*	*	*	*	*
Movement:	LT - LTR - RT		LT - LTR - RT		LT - LTR - RT		LT - LTR - RT		LT - LTR - RT		LT - LTR - RT	
Shared Cap:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:		12.1		11.9				xxxxxx				xxxxxx
ApproachLOS:		B		B				*				*

Marine Science Center  
November 2003  
Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2020 Base Case AM  
Intersection #2: Delaware/Natural Bridges [N/S:Natural Bridges E/W:Delaware]



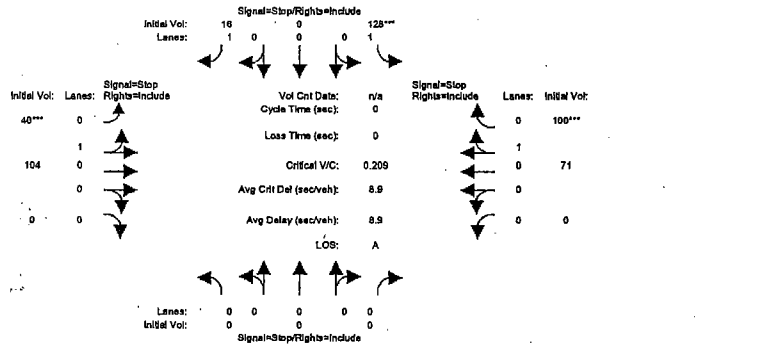
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	0	0	46	0	19	12	40	0	0	84	92
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	0	0	0	57	0	24	15	50	0	0	104	114
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	57	0	24	15	50	0	0	104	114
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	57	0	24	15	50	0	0	104	114
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	57	0	24	15	50	0	0	104	114
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol:	0	0	0	57	0	24	15	50	0	0	104	114
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	0.23	0.77	0.00	0.00	0.48	0.52
Final Sat.:	0	0	0	621	0	783	179	597	0	0	420	459
Capacity Analysis Module:												
Vol/Sat:	xxxx	xxxx	xxxx	0.09	xxxx	0.03	0.08	0.08	xxxx	xxxx	0.25	0.25
Crit Moves:				****			****			****		
Delay/Veh:	0.0	0.0	0.0	8.8	0.0	7.2	7.9	7.9	0.0	0.0	8.3	8.3
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	8.8	0.0	7.2	7.9	7.9	0.0	0.0	8.3	8.3
LOS by Move:	*	*	*	A	*	A	A	A	*	*	A	A
ApproachDel:	xxxxxx			8.3			7.9			8.3		
Delay Adj:	xxxxxx			1.00			1.00			1.00		
ApprAdjDel:	xxxxxx			8.3			7.9			8.3		
LOS by Appr:	*			A			A			A		

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Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2020 Plus Phase 1 and 2 AM  
Intersection #2: Delaware/Natural Bridges [N/S:Natural Bridges E/W:Delaware]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	0	0	0	46	0	19	12	40	0	0	84	92
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	0	0	0	57	0	24	15	50	0	0	104	114
Added Vol:	0	0	0	0	0	0	64	36	72	0	0	130
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	57	0	24	88	51	122	0	0	234
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	57	0	24	88	51	122	0	0	234
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	57	0	24	88	51	122	0	0	234
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol:	0	0	0	57	0	24	88	51	122	0	0	234
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	0.29	0.71	0.00	0.00	0.67	0.33
Final Sat.:	0	0	0	556	0	680	211	505	0	0	533	260
Capacity Analysis Module:												
Vol/Sat:	xxxx	xxxx	xxxx	0.10	xxxx	0.13	0.24	0.24	xxxx	xxxx	0.44	0.44
Crit Moves:				****			****			****		
Delay/Veh:	0.0	0.0	0.0	9.5	0.0	8.3	9.4	9.4	0.0	0.0	10.8	10.8
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	9.5	0.0	8.3	9.4	9.4	0.0	0.0	10.8	10.8
LOS by Move:	*	*	*	A	*	A	A	A	*	*	B	B
ApproachDel:	xxxxxx			8.8			9.4			10.8		
Delay Adj:	xxxxxx			1.00			1.00			1.00		
ApprAdjDel:	xxxxxx			8.8			9.4			10.8		
LOS by Appr:	*			A			A			B		

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2000 HCM 4-Way Stop (Future Volume Alternative)  
2020 Baseline PM  
Intersection #2: Delaware/Natural Bridges (N/S:Natural Bridges E/W:Delaware)

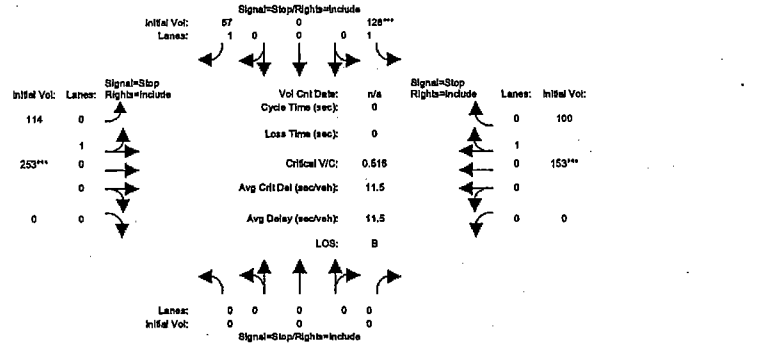


Approach:	North Bound		South Bound		East Bound		West Bound	
	L	T - R	L	T - R	L	T - R	L	T - R
Movement:								
Min. Green:	0	0	0	0	0	0	0	0
Volume Module:								
Base Vol:	0	0	103	0	13	32	84	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	0	0	128	0	16	40	104	0
Added Vol:	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0
Initial Fut:	0	0	128	0	16	40	104	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	128	0	16	40	104	0
Reduct Vol:	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	128	0	16	40	104	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	128	0	16	40	104	0
Saturation Flow Module:								
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	0.28	0.72
Final Sat.:	0	0	0	611	0	766	206	540

Capacity Analysis Module:

Vol/Sat:	xxxx	xxxx	xxxx	0.21	xxxx	0.02	0.19	0.19	xxxx	xxxx	0.21	0.21
Crit Moves:				****			****				****	
Delay/Veh:	0.0	0.0	0.0	9.8	0.0	7.3	8.8	8.8	0.0	0.0	8.4	8.4
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	9.8	0.0	7.3	8.8	8.8	0.0	0.0	8.4	8.4
LOS by Move:	*	*	*	A	*	A	A	A	*	*	A	A
ApproachDel:				9.5				8.8			8.4	8.4
Delay Adj:	xxxxxx			1.00				1.00			1.00	1.00
ApprAdjDel:	xxxxxx			9.5				8.8			8.4	8.4
LOS by Appr:	*			A				A			A	A

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Level of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2020 Plus Phase 1 and 2 PM  
Intersection #2: Delaware/Natural Bridges (N/S:Natural Bridges E/W:Delaware)



Approach:	North Bound		South Bound		East Bound		West Bound	
	L	T - R	L	T - R	L	T - R	L	T - R
Movement:								
Min. Green:	0	0	0	0	0	0	0	0
Volume Module:								
Base Vol:	0	0	103	0	13	32	84	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	0	0	128	0	16	40	104	0
Added Vol:	0	0	0	0	41	74	149	0
Campus Incr:	0	0	0	0	0	0	0	0
Initial Fut:	0	0	128	0	57	114	253	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	128	0	57	114	253	0
Reduct Vol:	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	128	0	57	114	253	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	128	0	57	114	253	0
Saturation Flow Module:								
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.00	0.00	0.00	1.00	0.00	1.00	0.31	0.69
Final Sat.:	0	0	0	532	0	646	220	491

Capacity Analysis Module:

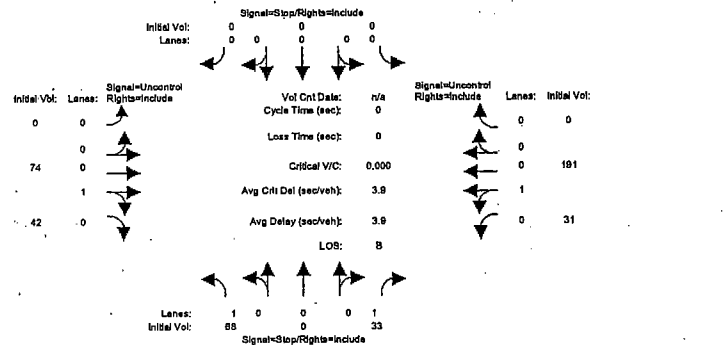
Vol/Sat:	xxxx	xxxx	xxxx	0.24	xxxx	0.09	0.52	0.52	xxxx	xxxx	0.35	0.35
Crit Moves:				****			****				****	
Delay/Veh:	0.0	0.0	0.0	10.9	0.0	8.4	12.9	12.9	0.0	0.0	10.3	10.3
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	10.9	0.0	8.4	12.9	12.9	0.0	0.0	10.3	10.3
LOS by Move:	*	*	*	B	*	A	B	B	*	*	B	B
ApproachDel:				10.1				12.9			10.3	10.3
Delay Adj:	xxxxxx			1.00				1.00			1.00	1.00
ApprAdjDel:	xxxxxx			10.1				12.9			10.3	10.3
LOS by Appr:	*			B				B			B	B

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2020 Baseline AM

Intersection #3: Delaware/Swanton (N/S: Swanton E/W: Delaware)



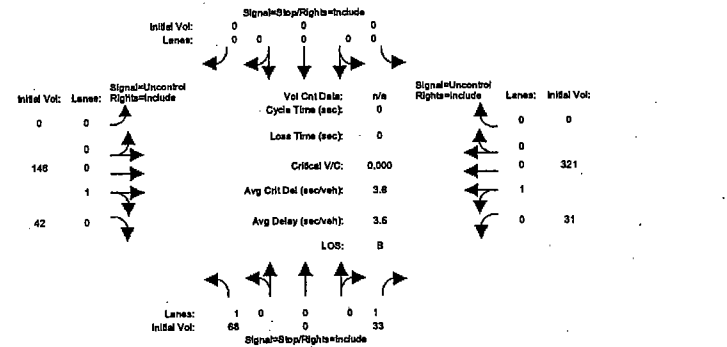
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	55	0	27	0	0	0	0	60	34	25	154	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	68	0	33	0	0	0	0	74	42	31	191	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	68	0	33	0	0	0	0	74	42	31	191	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	68	0	33	0	0	0	0	74	42	31	191	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	68	0	33	0	0	0	0	74	42	31	191	0
Critical Gap Module:												
Critical Gp:	6.4	XXXXX	6.2	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	4.1	XXXX	XXXXXX
FollowUpTim:	3.5	XXXXX	3.3	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	2.2	XXXXX	XXXXXX
Capacity Module:												
Cnflct Vol:	348	XXXXX	95	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	117	XXXXX	XXXXXX
Potent Cap.:	649	XXXXX	961	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	1454	XXXXX	XXXXXX
Move Cap.:	638	XXXXX	961	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	1454	XXXXX	XXXXXX
Level Of Service Module:												
Stopped Del:	11.3	XXXXX	8.9	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	7.5	XXXXX	XXXXXX
LOS by Move:	B	*	A	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT			LT - LTR - RT			LT - LTR - RT			LT - LTR - RT		
Shared Cap.:	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXXX
Shrd StpDel:	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	7.5	XXXXX	XXXXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	10.5			XXXXXX			XXXXXX			XXXXXX		
ApproachLOS:	B			*			*			*		

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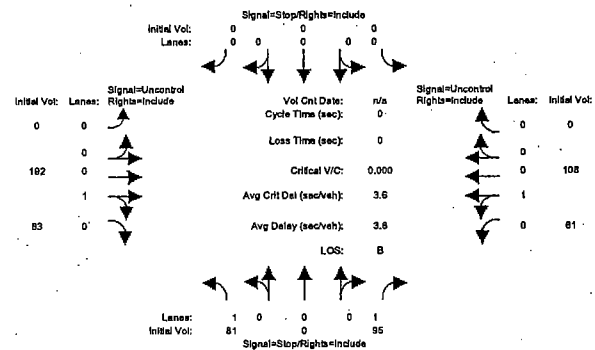
Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2020 Plus Phase 1 and 2 AM

Intersection #3: Delaware/Swanton (N/S: Swanton E/W: Delaware)



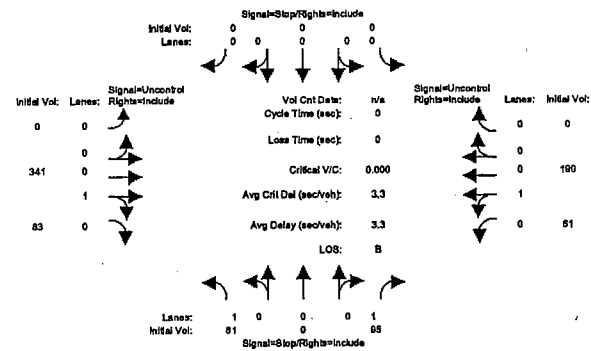
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	55	0	27	0	0	0	0	60	34	25	154	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	68	0	33	0	0	0	0	74	42	31	191	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	68	0	33	0	0	0	0	146	42	31	321	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	68	0	33	0	0	0	0	146	42	31	321	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	68	0	33	0	0	0	0	146	42	31	321	0
Critical Gap Module:												
Critical Gp:	6.4	XXXXX	6.2	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	4.1	XXXX	XXXXXX
FollowUpTim:	3.5	XXXXX	3.3	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	2.2	XXXXX	XXXXXX
Capacity Module:												
Cnflct Vol:	550	XXXXX	167	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	189	XXXXX	XXXXXX
Potent Cap.:	496	XXXXX	877	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	1368	XXXXX	XXXXXX
Move Cap.:	487	XXXXX	877	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	1368	XXXXX	XXXXXX
Level Of Service Module:												
Stopped Del:	13.6	XXXXX	9.3	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	7.7	XXXXX	XXXXXX
LOS by Move:	B	*	A	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT			LT - LTR - RT			LT - LTR - RT			LT - LTR - RT		
Shared Cap.:	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXXX
Shrd StpDel:	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	XXXXX	7.7	XXXXX	XXXXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	12.2			XXXXXX			XXXXXX			XXXXXX		
ApproachLOS:	B			*			*			*		

Intersection #3: Delaware/Swanton [N/S: Swanton E/W: Delaware]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	65	0	77	0	0	0	0	155	67	49	87	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	81	0	95	0	0	0	0	192	83	61	108	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	81	0	95	0	0	0	0	192	83	61	108	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	81	0	95	0	0	0	0	192	83	61	108	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol:	81	0	95	0	0	0	0	192	83	61	108	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	463	XXXX	234	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	275	XXXX	XXXX
Potent Cap.:	557	XXXX	805	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1271	XXXX	XXXX
Move Cap.:	536	XXXX	805	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1271	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	12.9	XXXX	10.1	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.0	XXXX	XXXX
LOS by Move:	B	B	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.0	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	11.4	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
ApproachLOS:	B	B	B	*	*	*	*	*	*	A	*	*

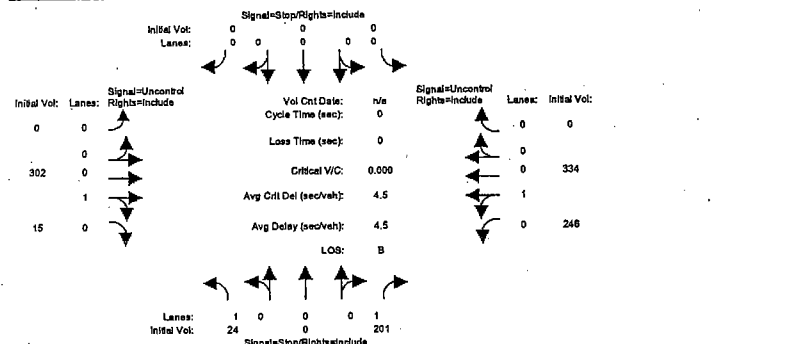
Intersection #3: Delaware/Swanton [N/S: Swanton E/W: Delaware]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	65	0	77	0	0	0	0	155	67	49	87	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	81	0	95	0	0	0	0	192	83	61	108	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	81	0	95	0	0	0	0	341	83	61	190	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	81	0	95	0	0	0	0	341	83	61	190	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol:	81	0	95	0	0	0	0	341	83	61	190	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	694	XXXX	383	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	424	XXXX	XXXX
Potent Cap.:	409	XXXX	665	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1119	XXXX	XXXX
Move Cap.:	391	XXXX	665	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1119	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	16.6	XXXX	11.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.4	XXXX	XXXX
LOS by Move:	C	B	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.4	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	13.7	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
ApproachLOS:	B	B	B	*	*	*	*	*	*	A	*	*

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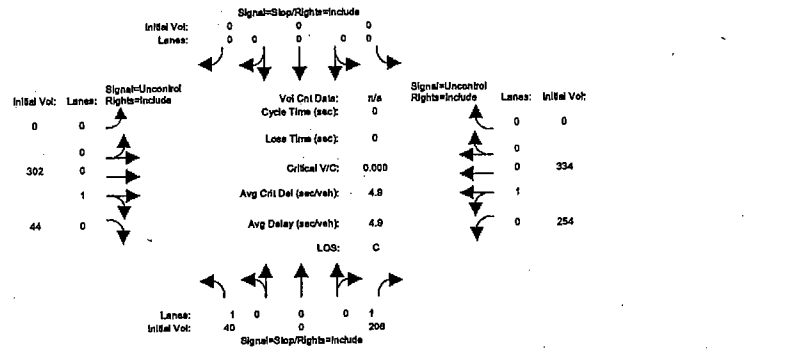
Intersection #4: Bay/Laguna [N/S:Laguna E/W: Bay]



Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	19	0	162	0	0	0	0	239	12	198	253	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	24	0	201	0	0	0	0	296	15	246	314	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	6	0	0	20	0
Initial Fut:	24	0	201	0	0	0	0	302	15	246	334	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	24	0	201	0	0	0	0	302	15	246	334	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol:	24	0	201	0	0	0	0	302	15	246	334	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	1135	XXXX	310	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	317	XXXX	XXXX
Potent Cap.:	226	XXXX	735	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1254	XXXX	XXXX
Move Cap.:	186	XXXX	735	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1254	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	27.1	XXXX	11.7	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.6	XXXX	XXXX
LOS by Move:	D	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.6	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	13.3											
ApproachLOS:	B											

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Intersection #4: Bay/Laguna [N/S:Laguna E/W: Bay]



Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	19	0	162	0	0	0	0	239	12	198	253	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	24	0	201	0	0	0	0	296	15	246	314	0
Added Vol:	16	0	5	0	0	0	0	0	0	29	8	0
Campus Incr:	0	0	0	0	0	0	0	6	0	0	20	0
Initial Fut:	40	0	206	0	0	0	0	302	44	254	334	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	40	0	206	0	0	0	0	302	44	254	334	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol:	40	0	206	0	0	0	0	302	44	254	334	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	1165	XXXX	324	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	346	XXXX	XXXX
Potent Cap.:	217	XXXX	721	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1224	XXXX	XXXX
Move Cap.:	176	XXXX	721	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1224	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	31.2	XXXX	12.0	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.7	XXXX	XXXX
LOS by Move:	D	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	8.7	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	15.1											
ApproachLOS:	C											

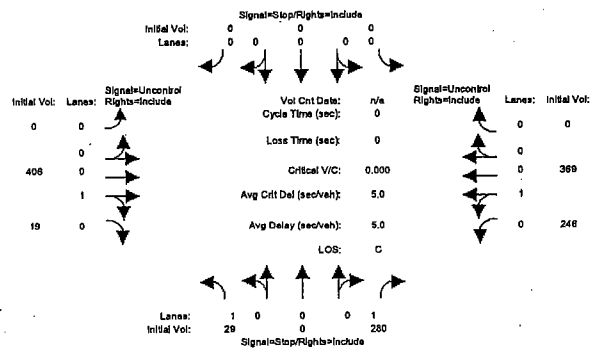


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Intersection #4: Bay/Laguna [N/S:Laguna E/W: Bay]



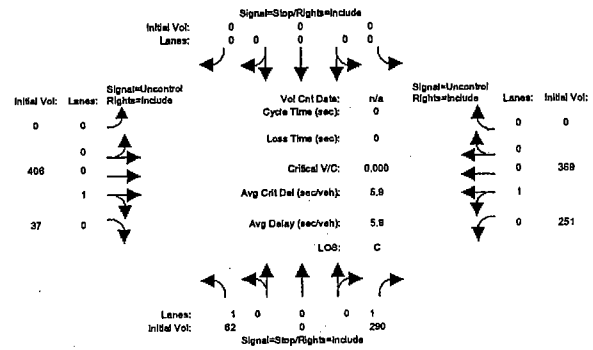
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	23	0	226	0	0	0	0	313	15	198	288	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	29	0	280	0	0	0	0	388	19	246	357	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	18	0	0	12	0
Initial Fut:	29	0	280	0	0	0	0	406	19	246	369	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	29	0	280	0	0	0	0	406	19	246	369	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	29	0	280	0	0	0	0	406	19	246	369	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	1276	XXXX	415	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	425	XXXX	XXXX
Potent Cap.:	186	XXXX	641	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1145	XXXX	XXXX
Move Cap.:	150	XXXX	641	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1145	XXXX	XXXX
Level of Service Module:												
Stopped Del:	34.5	XXXX	14.9	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	9.0	XXXX	XXXX
LOS by Move:	D	B	A	B	A	A	A	A	A	A	A	A
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	9.0	XXXX	XXXX
Shared LOS:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	16.7	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
ApproachLOS:	C	A	A	A	A	A	A	A	A	A	A	A

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Intersection #4: Bay/Laguna [N/S:Laguna E/W: Bay]



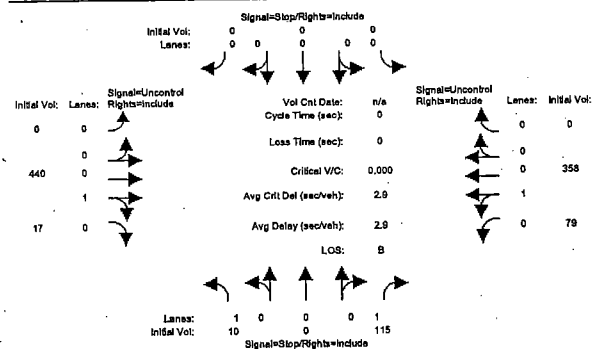
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	23	0	226	0	0	0	0	313	15	198	288	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	29	0	280	0	0	0	0	388	19	246	357	0
Added Vol:	33	0	10	0	0	0	0	0	0	18	5	0
Campus Incr:	0	0	0	0	0	0	0	18	0	0	12	0
Initial Fut:	62	0	290	0	0	0	0	406	37	251	369	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	62	0	290	0	0	0	0	406	37	251	369	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	62	0	290	0	0	0	0	406	37	251	369	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	1295	XXXX	424	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	443	XXXX	XXXX
Potent Cap.:	181	XXXX	634	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1128	XXXX	XXXX
Move Cap.:	145	XXXX	634	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1128	XXXX	XXXX
Level of Service Module:												
Stopped Del:	47.0	XXXX	15.4	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	9.1	XXXX	XXXX
LOS by Move:	E	C	A	B	A	A	A	A	A	A	A	A
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	9.1	XXXX	XXXX
Shared LOS:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	20.9	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
ApproachLOS:	C	A	A	A	A	A	A	A	A	A	A	A

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Intersection #5: SR 1/Shaffer (N/S: Shaffer E/W: SR 1)



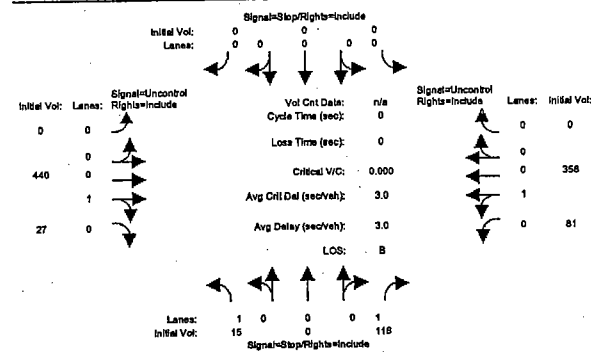
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	8	0	93	0	0	0	0	351	14	64	288	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	10	0	115	0	0	0	0	435	17	79	357	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	5	0	0	1	0
Initial Fut:	10	0	115	0	0	0	0	440	17	79	358	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	10	0	115	0	0	0	0	440	17	79	358	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol:	10	0	115	0	0	0	0	440	17	79	358	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	6.2	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	4.1	xxxx	xxxxxx
FollowUpTim:	3.5	xxxx	3.3	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	2.2	xxxx	xxxxxx
Capacity Module:												
Cnflct Vol:	966	xxxx	449	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	458	xxxx	xxxxxx
Potent Cap.:	285	xxxx	614	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	1114	xxxx	xxxxxx
Move Cap.:	269	xxxx	614	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	1114	xxxx	xxxxxx
Level Of Service Module:												
Stopped Del:	18.9	xxxx	12.2	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	8.5	xxxx	xxxxxx
LOS by Move:	C	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT		LT - LTR - RT		LT - LTR - RT		LT - LTR - RT		LT - LTR - RT		LT - LTR - RT	
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Shrd StpDel:	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	8.5	xxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	12.7		xxxxxx			xxxxxx			xxxxxx			xxxxxx
ApproachLOS:	B		*			*			*			*

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Intersection #5: SR 1/Shaffer (N/S: Shaffer E/W: SR 1)



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	8	0	93	0	0	0	0	351	14	64	288	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	10	0	115	0	0	0	0	435	17	79	357	0
Added Vol:	5	0	1	0	0	0	0	0	10	2	0	0
Campus Incr:	0	0	0	0	0	0	0	0	5	0	1	0
Initial Fut:	15	0	116	0	0	0	0	440	27	81	358	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	15	0	116	0	0	0	0	440	27	81	358	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol:	15	0	116	0	0	0	0	440	27	81	358	0
Critical Gap Module:												
Critical Gp:	6.4	xxxx	6.2	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	4.1	xxxx	xxxxxx
FollowUpTim:	3.5	xxxx	3.3	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	2.2	xxxx	xxxxxx
Capacity Module:												
Cnflct Vol:	975	xxxx	454	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	468	xxxx	xxxxxx
Potent Cap.:	281	xxxx	610	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	1105	xxxx	xxxxxx
Move Cap.:	265	xxxx	610	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	1105	xxxx	xxxxxx
Level Of Service Module:												
Stopped Del:	19.4	xxxx	12.3	xxxxxx	xxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	8.5	xxxx	xxxxxx
LOS by Move:	C	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT		LT - LTR - RT		LT - LTR - RT		LT - LTR - RT		LT - LTR - RT		LT - LTR - RT	
Shared Cap.:	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx
Shrd StpDel:	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	xxxx	xxxx	xxxxxx	8.5	xxxx	xxxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	13.1		xxxxxx			xxxxxx			xxxxxx			xxxxxx
ApproachLOS:	B		*			*			*			*

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Intersection #5: SR 1/Shaffer [N/S: Shaffer E/W: SR 1]

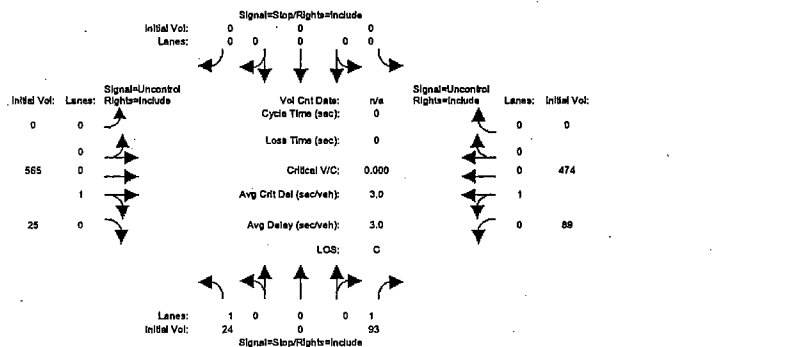


Table with 12 columns for movement types (North Bound, South Bound, East Bound, West Bound) and rows for Volume Module, Critical Gap Module, Capacity Module, and Level Of Service Module.

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Intersection #5: SR 1/Shaffer [N/S: Shaffer E/W: SR 1]

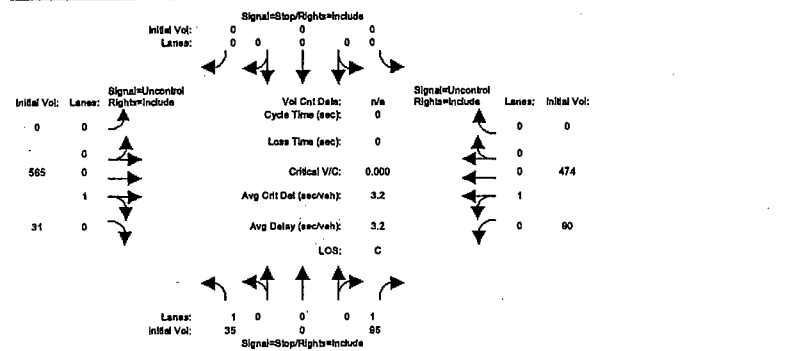


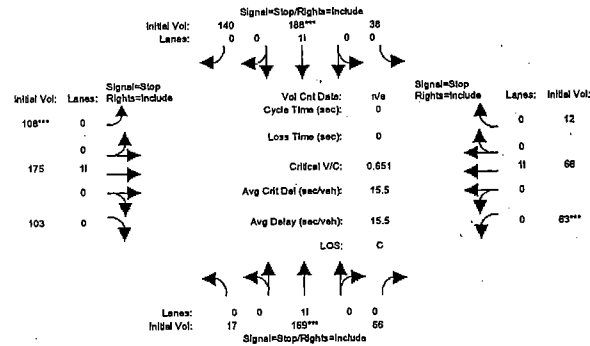
Table with 12 columns for movement types (North Bound, South Bound, East Bound, West Bound) and rows for Volume Module, Critical Gap Module, Capacity Module, and Level Of Service Module.

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Intersection #6: Delaware/Swift [N/S: Swift E/W: Delaware]



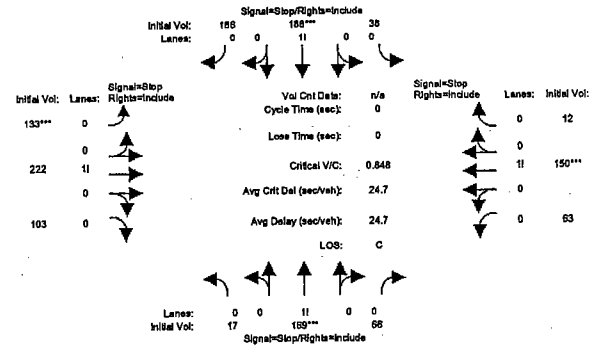
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	14	136	53	31	152	113	87	141	83	51	53	10
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	17	169	66	38	188	140	108	175	103	63	66	12
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	17	169	66	38	188	140	108	175	103	63	66	12
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	17	169	66	38	188	140	108	175	103	63	66	12
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	17	169	66	38	188	140	108	175	103	63	66	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	17	169	66	38	188	140	108	175	103	63	66	12
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.07	0.67	0.26	0.10	0.52	0.38	0.28	0.45	0.27	0.45	0.46	0.09
Final Sat.:	38	373	146	63	308	229	166	268	158	219	228	43
Capacity Analysis Module:												
Vol/Sat:	0.45	0.45	0.45	0.61	0.61	0.61	0.65	0.65	0.65	0.29	0.29	0.29
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	13.1	13.1	13.1	16.2	16.2	16.2	17.7	17.7	17.7	11.5	11.5	11.5
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	13.1	13.1	13.1	16.2	16.2	16.2	17.7	17.7	17.7	11.5	11.5	11.5
LOS by Move:	B	B	B	C	C	C	C	C	C	B	B	B
ApproachDel:	13.1			16.2			17.7			11.5		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	13.1			16.2			17.7			11.5		
LOS by Appr:	B			C			C			B		

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Level of Service Computation Report  
 2000 HCM 4-Way Stop (Future Volume Alternative)  
 2020 Plus Phase 1 and 2 AM

Intersection #6: Delaware/Swift [N/S: Swift E/W: Delaware]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	14	136	53	31	152	113	87	141	83	51	53	10
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	17	169	66	38	188	140	108	175	103	63	66	12
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	17	169	66	38	188	140	108	175	103	63	66	12
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	17	169	66	38	188	140	108	175	103	63	66	12
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	17	169	66	38	188	140	108	175	103	63	66	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	17	169	66	38	188	140	108	175	103	63	66	12
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.07	0.67	0.26	0.09	0.46	0.45	0.29	0.49	0.22	0.28	0.66	0.06
Final Sat.:	32	309	120	50	243	240	157	262	121	125	296	25
Capacity Analysis Module:												
Vol/Sat:	0.55	0.55	0.55	0.77	0.77	0.77	0.85	0.85	0.85	0.51	0.51	0.51
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	16.3	16.3	16.3	25.6	25.6	25.6	32.9	32.9	32.9	15.8	15.8	15.8
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	16.3	16.3	16.3	25.6	25.6	25.6	32.9	32.9	32.9	15.8	15.8	15.8
LOS by Move:	C	C	C	D	D	D	D	D	D	C	C	C
ApproachDel:	16.3			25.6			32.9			15.8		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	16.3			25.6			32.9			15.8		
LOS by Appr:	C			D			D			C		

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Intersection #6: Delaware/Swift [N/S: Swift E/W: Delaware]

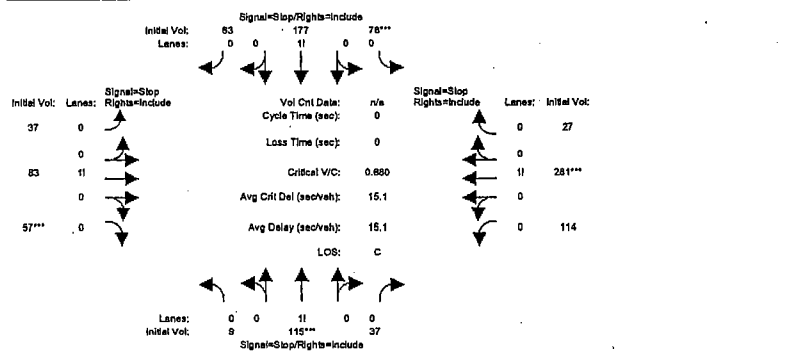


Table containing traffic volume data (Base Vol, Growth Adj, Initial Bse, etc.), saturation flow adjustment factors, and capacity analysis metrics for all four approaches.

Marine Science Center November 2003 Level Of Service Computation Report 2000 HCM 4-Way Stop (Future Volume Alternative) 2020 Plus Phase 1 and 2 PM

Intersection #6: Delaware/Swift [N/S: Swift E/W: Delaware]

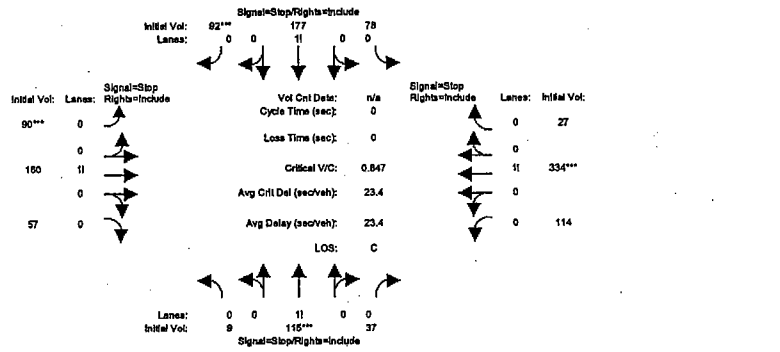


Table containing traffic volume data (Base Vol, Growth Adj, Initial Bse, etc.), saturation flow adjustment factors, and capacity analysis metrics for all four approaches.

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2000 HCM 4-Way Stop (Future Volume Alternative)
2020 Baseline AM

Intersection #7: Delaware/Almar [N/S: Almar E/W: Delaware]

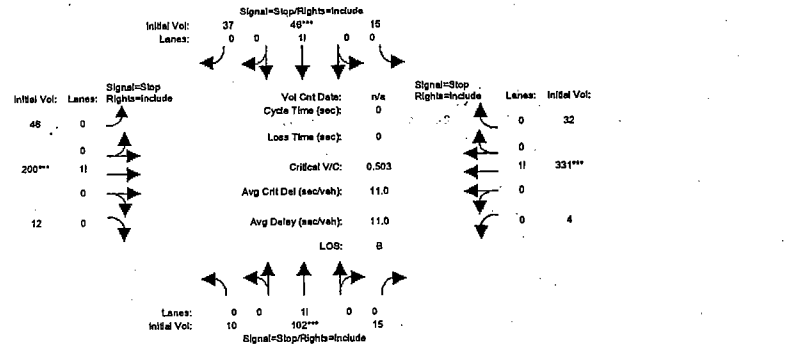


Table with columns: Approach (North Bound, South Bound, East Bound, West Bound), Movement (L, T, R), and various performance metrics including Volume Module, Saturation Flow Module, and Capacity Analysis Module. Values range from 0 to 1.00 for ratios and up to 331 for volumes.

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Level Of Service Computation Report
2000 HCM 4-Way Stop (Future Volume Alternative)
2020 Plus Phase 1 and 2 AM

Intersection #7: Delaware/Almar [N/S: Almar E/W: Delaware]

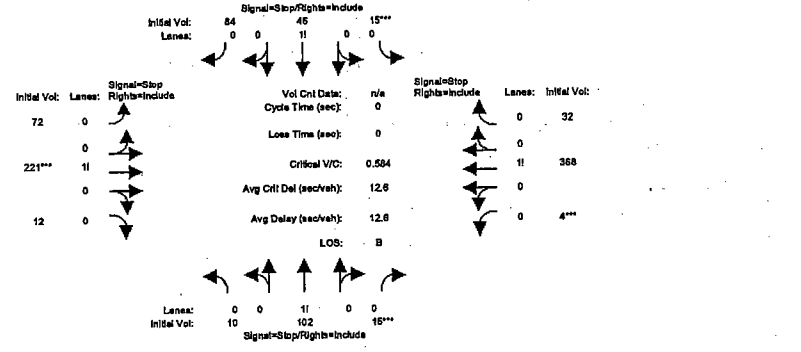


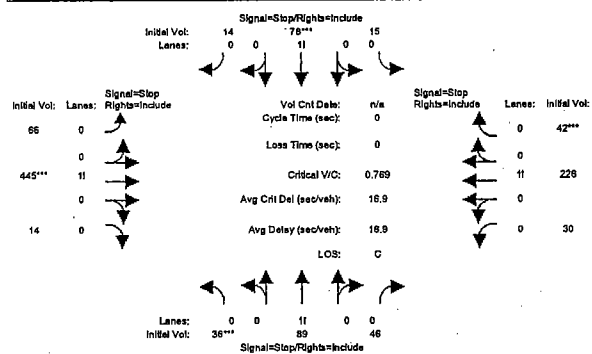
Table with columns: Approach (North Bound, South Bound, East Bound, West Bound), Movement (L, T, R), and various performance metrics including Volume Module, Saturation Flow Module, and Capacity Analysis Module. Values range from 0 to 1.00 for ratios and up to 368 for volumes.

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Level of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2020 Baseline PM

Intersection #7: Delaware/Almar [N/S: Almar E/W: Delaware]



Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movements:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	29	72	37	12	63	11	53	359	11	24	182	34
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	36	89	46	15	78	14	66	445	14	30	226	42
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	36	89	46	15	78	14	66	445	14	30	226	42
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	36	89	46	15	78	14	66	445	14	30	226	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	36	89	46	15	78	14	66	445	14	30	226	42
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	36	89	46	15	78	14	66	445	14	30	226	42

Saturation Flow Module:

Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.21	0.52	0.27	0.14	0.73	0.13	0.12	0.85	0.03	0.10	0.76	0.14
Final Sat.:	112	279	143	71	370	65	85	579	18	63	481	90

Capacity Analysis Module:

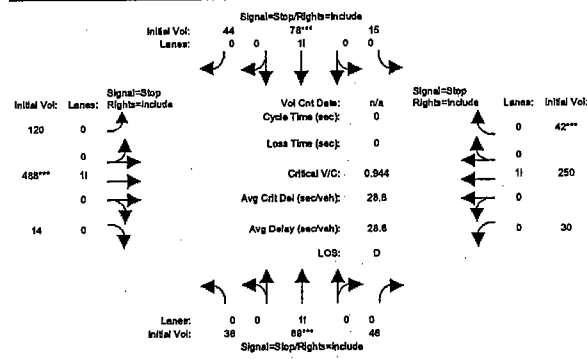
Vol/Sat:	0.32	0.32	0.32	0.21	0.21	0.21	0.77	0.77	0.77	0.47	0.47	0.47
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	11.4	11.4	11.4	10.6	10.6	10.6	22.3	22.3	22.3	12.7	12.7	12.7
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	11.4	11.4	11.4	10.6	10.6	10.6	22.3	22.3	22.3	12.7	12.7	12.7
LOS by Move:	B	B	B	B	B	B	C	C	C	B	B	B
ApproachDel:	11.4	11.4	11.4	10.6	10.6	10.6	22.3	22.3	22.3	12.7	12.7	12.7
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ApprAdjDel:	11.4	11.4	11.4	10.6	10.6	10.6	22.3	22.3	22.3	12.7	12.7	12.7
LOS by Appr:	B	B	B	B	B	B	C	C	C	B	B	B

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Level of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2020 Plus Phase 1 and 2 PM

Intersection #7: Delaware/Almar [N/S: Almar E/W: Delaware]



Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movements:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	29	72	37	12	63	11	53	359	11	24	182	34
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	36	89	46	15	78	14	66	445	14	30	226	42
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	36	89	46	15	78	14	66	445	14	30	226	42
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	36	89	46	15	78	14	66	445	14	30	226	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	36	89	46	15	78	14	66	445	14	30	226	42
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	36	89	46	15	78	14	66	445	14	30	226	42

Saturation Flow Module:

Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.21	0.52	0.27	0.11	0.57	0.32	0.19	0.79	0.02	0.09	0.78	0.13
Final Sat.:	109	270	139	55	290	162	127	517	14	55	465	79

Capacity Analysis Module:

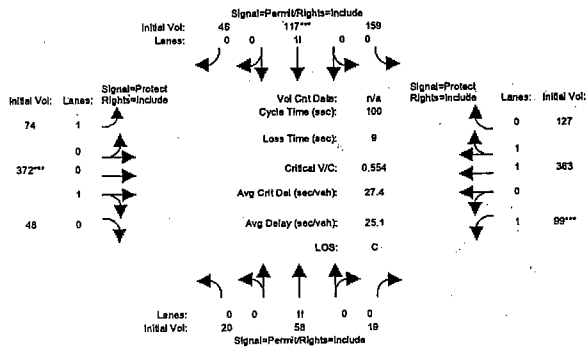
Vol/Sat:	0.33	0.33	0.33	0.27	0.27	0.27	0.94	0.94	0.94	0.54	0.54	0.54
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	12.4	12.4	12.4	11.7	11.7	11.7	44.4	44.4	44.4	14.8	14.8	14.8
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	12.4	12.4	12.4	11.7	11.7	11.7	44.4	44.4	44.4	14.8	14.8	14.8
LOS by Move:	B	B	B	B	B	B	E	E	E	B	B	B
ApproachDel:	12.4	12.4	12.4	11.7	11.7	11.7	44.4	44.4	44.4	14.8	14.8	14.8
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
ApprAdjDel:	12.4	12.4	12.4	11.7	11.7	11.7	44.4	44.4	44.4	14.8	14.8	14.8
LOS by Appr:	B	B	B	B	B	B	E	E	E	B	B	B

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2020 Base Case AM

Intersection #8: SR 1/Western [N/S: Western E/W: SR 1]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	16	47	15	125	94	36	56	300	39	80	293	93
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	20	58	19	155	117	45	69	372	48	99	363	115
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	4	0	1	5	0	0	0	0	12
Initial Fut:	20	58	19	159	117	46	74	372	48	99	363	127
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	20	58	19	159	117	46	74	372	48	99	363	127
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	20	58	19	159	117	46	74	372	48	99	363	127
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	20	58	19	159	117	46	74	372	48	99	363	127

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.87	0.87	0.87	0.77	0.77	0.77	0.93	0.96	0.96	0.93	0.89	0.89
Lanes:	0.21	0.60	0.19	0.50	0.36	0.14	1.00	0.88	0.12	1.00	1.48	0.52
Final Sat.:	340	998	318	728	534	209	1769	1620	211	1769	2518	882

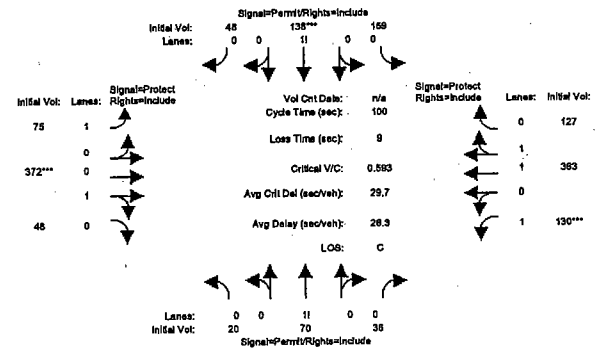
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.06	0.06	0.06	0.22	0.22	0.22	0.04	0.23	0.23	0.06	0.14	0.14
Crit Moves:	****			****			****			****		
Green/Cycle:	0.39	0.39	0.39	0.39	0.39	0.39	0.12	0.41	0.41	0.10	0.40	0.40
Volume/Cap:	0.15	0.15	0.15	0.55	0.55	0.55	0.36	0.55	0.55	0.36	0.36	0.36
Delay/Veh:	19.6	19.6	19.6	24.6	24.6	24.6	41.8	23.1	23.1	46.5	21.2	21.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	19.6	19.6	19.6	24.6	24.6	24.6	41.8	23.1	23.1	46.5	21.2	21.2
DesignQueue:	1	2	1	6	4	2	4	13	2	5	13	4

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2020 Plus Phase 1 and 2 AM

Intersection #8: SR 1/Western [N/S: Western E/W: SR 1]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	16	47	15	125	94	36	56	300	39	80	293	93
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	20	58	19	155	117	45	69	372	48	99	363	115
Added Vol:	0	12	17	0	21	2	1	0	0	31	0	0
Campus Incr:	0	0	0	4	0	1	5	0	0	0	0	12
Initial Fut:	20	70	36	159	138	48	75	372	48	130	363	127
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	20	70	36	159	138	48	75	372	48	130	363	127
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	20	70	36	159	138	48	75	372	48	130	363	127
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	20	70	36	159	138	48	75	372	48	130	363	127

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.87	0.87	0.87	0.77	0.77	0.77	0.93	0.96	0.96	0.93	0.89	0.89
Lanes:	0.16	0.56	0.28	0.46	0.40	0.14	1.00	0.88	0.12	1.00	1.48	0.52
Final Sat.:	262	929	471	672	581	201	1769	1620	211	1769	2518	882

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.08	0.08	0.08	0.24	0.24	0.24	0.04	0.23	0.23	0.07	0.14	0.14
Crit Moves:	****			****			****			****		
Green/Cycle:	0.40	0.40	0.40	0.40	0.40	0.40	0.12	0.39	0.39	0.12	0.39	0.39
Volume/Cap:	0.19	0.19	0.19	0.59	0.59	0.59	0.37	0.59	0.59	0.59	0.37	0.37
Delay/Veh:	19.7	19.7	19.7	25.3	25.3	25.3	41.9	25.7	25.7	45.7	21.6	21.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	19.7	19.7	19.7	25.3	25.3	25.3	41.9	25.7	25.7	45.7	21.6	21.6
DesignQueue:	1	2	1	6	5	2	4	13	2	6	13	4

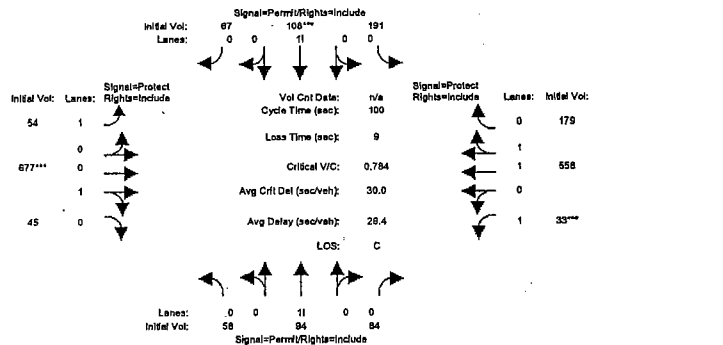


Marine Science Center

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Level of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2020 Baseline PM

Intersection #8: SR 1/Western [N/S: Western E/W: SR 1]



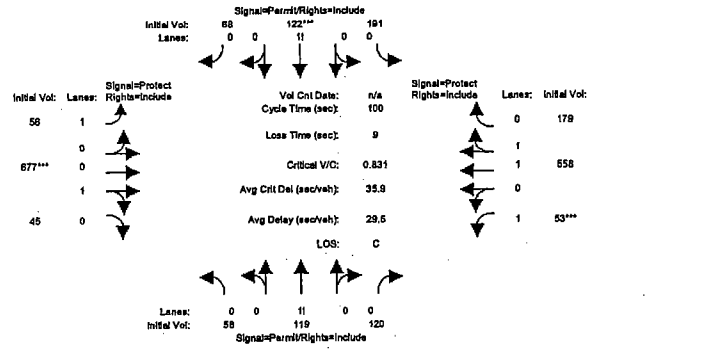
Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	T	R	R	L	T	R	R	L	T	R	R	L	T	R	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:																
Base Vol.:	47	76	68	68	145	87	50	50	41	546	36	36	27	450	139	139
Growth Adj.:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse.:	58	94	84	84	180	108	62	62	51	677	45	45	33	558	172	172
Added Vol.:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr.:	0	0	0	0	11	0	5	5	3	0	0	0	0	0	0	0
Initial Fut.:	58	94	84	84	191	108	67	67	54	677	45	45	33	558	179	179
User Adj.:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj.:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	58	94	84	84	191	108	67	67	54	677	45	45	33	558	179	179
Reduct Vol.:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol.:	58	94	84	84	191	108	67	67	54	677	45	45	33	558	179	179
PCE Adj.:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj.:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	58	94	84	84	191	108	67	67	54	677	45	45	33	558	179	179
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.79	0.79	0.79	0.79	0.63	0.63	0.63	0.63	0.93	0.97	0.97	0.97	0.93	0.90	0.90	0.90
Lanes:	0.25	0.40	0.35	0.35	0.52	0.30	0.18	0.18	1.00	0.94	0.06	0.06	1.00	1.51	0.49	0.49
Final Sat.:	372	601	538	538	628	355	221	221	1769	1731	114	114	1769	2581	830	830
Capacity Analysis Module:																
Vol/Sat:	0.16	0.16	0.16	0.16	0.30	0.30	0.30	0.30	0.03	0.39	0.39	0.39	0.02	0.22	0.22	0.22
Crit Moves:	****															
Green/Cycle:	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.06	0.50	0.50	0.50	0.02	0.46	0.46	0.46
Volume/Cap:	0.40	0.40	0.40	0.40	0.78	0.78	0.78	0.78	0.47	0.78	0.78	0.78	0.78	0.47	0.47	0.47
Delay/Veh:	22.7	22.7	22.7	22.7	35.5	35.5	35.5	35.5	48.2	25.1	25.1	25.1	110.3	19.0	19.0	19.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	22.7	22.7	22.7	22.7	35.5	35.5	35.5	35.5	48.2	25.1	25.1	25.1	110.3	19.0	19.0	19.0
DesignQueue:	2	3	3	3	7	4	2	2	3	21	1	1	2	18	6	6

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2020 Plus Phase 1 and 2 PM

Intersection #8: SR 1/Western [N/S: Western E/W: SR 1]



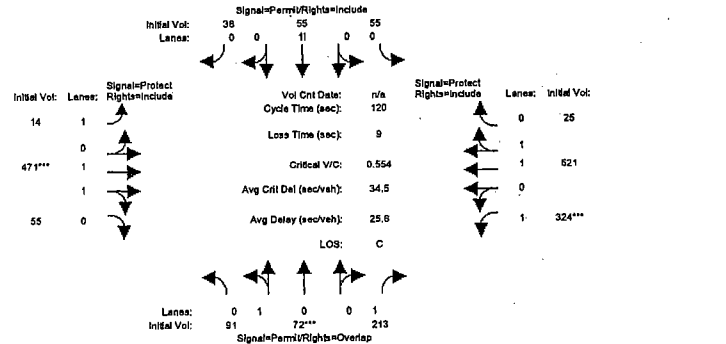
Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	T	R	R	L	T	R	R	L	T	R	R	L	T	R	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:																
Base Vol.:	47	76	68	68	145	87	50	50	41	546	36	36	27	450	139	139
Growth Adj.:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse.:	58	94	84	84	180	108	62	62	51	677	45	45	33	558	172	172
Added Vol.:	0	25	36	36	0	14	1	1	2	0	0	0	20	0	0	0
Campus Incr.:	0	0	0	0	11	0	5	5	3	0	0	0	0	0	0	0
Initial Fut.:	58	119	120	120	191	122	68	68	56	677	45	45	53	558	179	179
User Adj.:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj.:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	58	119	120	120	191	122	68	68	56	677	45	45	53	558	179	179
Reduct Vol.:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol.:	58	119	120	120	191	122	68	68	56	677	45	45	53	558	179	179
PCE Adj.:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj.:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	58	119	120	120	191	122	68	68	56	677	45	45	53	558	179	179
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.81	0.81	0.81	0.81	0.60	0.60	0.60	0.60	0.93	0.97	0.97	0.97	0.93	0.90	0.90	0.90
Lanes:	0.20	0.40	0.40	0.40	0.50	0.32	0.18	0.18	1.00	0.94	0.06	0.06	1.00	1.51	0.49	0.49
Final Sat.:	301	616	622	622	569	364	203	203	1769	1731	114	114	1769	2581	830	830
Capacity Analysis Module:																
Vol/Sat:	0.19	0.19	0.19	0.19	0.34	0.34	0.34	0.34	0.03	0.39	0.39	0.39	0.03	0.22	0.22	0.22
Crit Moves:	****															
Green/Cycle:	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.06	0.47	0.47	0.47	0.04	0.44	0.44	0.44
Volume/Cap:	0.48	0.48	0.48	0.48	0.83	0.83	0.83	0.83	0.49	0.83	0.83	0.83	0.83	0.49	0.49	0.49
Delay/Veh:	22.7	22.7	22.7	22.7	39.0	39.0	39.0	39.0	48.4	29.9	29.9	29.9	105.2	20.1	20.1	20.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	22.7	22.7	22.7	22.7	39.0	39.0	39.0	39.0	48.4	29.9	29.9	29.9	105.2	20.1	20.1	20.1
DesignQueue:	2	4	4	4	7	4	2	2	3	22	1	1	3	18	6	6

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2020 Baseline AM

Intersection #9: SR 1/Swift (N/S: Swift E/W: SR 1)



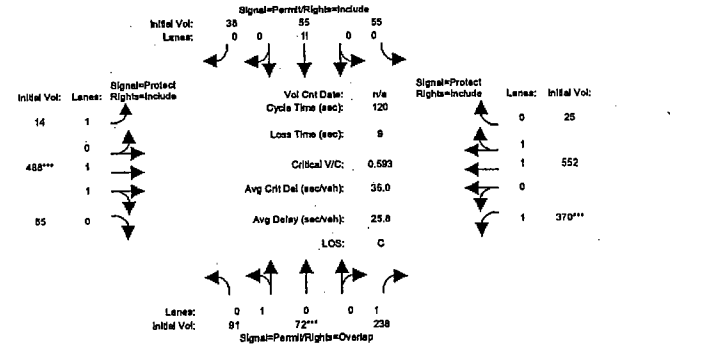
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:												
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	73	46	172	44	41	21	8	380	44	261	420	20
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	91	57	213	55	51	26	10	471	55	324	521	25
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	15	0	0	4	12	4	0	0	0	0	0
Initial Fut:	91	72	213	55	55	38	14	471	55	324	521	25
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	101	80	237	61	61	42	15	524	61	360	579	28
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	101	80	237	61	61	42	15	524	61	360	579	28
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	101	80	237	61	61	42	15	524	61	360	579	28
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.67	0.67	0.83	0.73	0.73	0.73	0.93	0.92	0.92	0.93	0.92	0.92
Lanes:	0.56	0.44	1.00	0.37	0.37	0.26	1.00	1.79	0.21	1.00	1.91	0.09
Final Sat.:	710	565	1583	515	517	359	1769	3120	361	1769	3353	160
Capacity Analysis Module:												
Vol/Sat:	0.14	0.14	0.15	0.12	0.12	0.12	0.01	0.17	0.17	0.20	0.17	0.17
Crit Moves:	****			****			****			****		
Green/Cycle:	0.26	0.26	0.62	0.26	0.26	0.26	0.03	0.30	0.30	0.37	0.64	0.64
Volume/Cap:	0.55	0.55	0.24	0.46	0.46	0.46	0.27	0.55	0.55	0.55	0.27	0.27
Delay/Veh:	40.8	40.8	10.2	38.6	38.6	38.6	59.2	35.7	35.7	31.3	9.6	9.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	40.8	40.8	10.2	38.6	38.6	38.6	59.2	35.7	35.7	31.3	9.6	9.6
DesignQueue:	5	4	6	3	3	2	1	25	3	16	15	1

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2020 Plus Phase 1 and 2 AM

Intersection #9: SR 1/Swift (N/S: Swift E/W: SR 1)



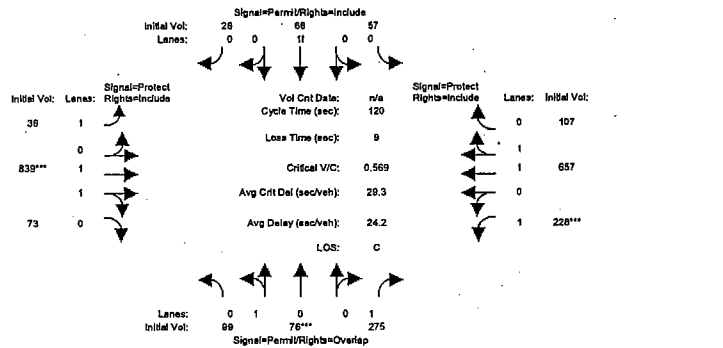
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:												
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	73	46	172	44	41	21	8	380	44	261	420	20
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	91	57	213	55	51	26	10	471	55	324	521	25
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	15	0	0	4	12	4	0	0	0	0	0
Initial Fut:	91	72	213	55	55	38	14	488	55	370	552	25
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	101	80	265	61	61	42	15	542	61	411	613	28
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	101	80	265	61	61	42	15	542	61	411	613	28
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	101	80	265	61	61	42	15	542	61	411	613	28
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.66	0.66	0.83	0.71	0.71	0.71	0.93	0.92	0.92	0.93	0.93	0.93
Lanes:	0.56	0.44	1.00	0.37	0.37	0.26	1.00	1.80	0.20	1.00	1.91	0.09
Final Sat.:	701	558	1583	501	503	349	1769	3134	350	1769	3365	151
Capacity Analysis Module:												
Vol/Sat:	0.14	0.14	0.17	0.12	0.12	0.12	0.01	0.17	0.17	0.23	0.18	0.18
Crit Moves:	****			****			****			****		
Green/Cycle:	0.24	0.24	0.63	0.24	0.24	0.24	0.03	0.29	0.29	0.39	0.65	0.65
Volume/Cap:	0.59	0.59	0.26	0.50	0.50	0.50	0.28	0.59	0.59	0.59	0.28	0.28
Delay/Veh:	43.4	43.4	9.8	40.4	40.4	40.4	59.6	37.3	37.3	30.3	9.0	9.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	43.4	43.4	9.8	40.4	40.4	40.4	59.6	37.3	37.3	30.3	9.0	9.0
DesignQueue:	5	4	7	3	3	2	1	27	3	18	15	1

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2020 Baseline PM

Intersection #9: SR 1/Swift [N/S: Swift E/W: SR 1]



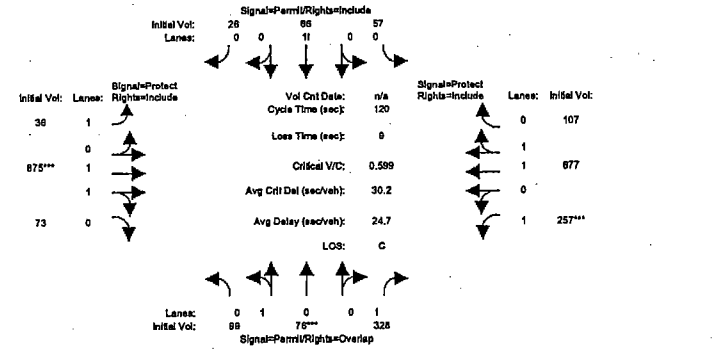
Approach:	North Bound				South Bound				East Bound				West Bound											
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R				
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Volume Module:																								
Base Vol:	80	54	222	46	42	15	20	677	59	184	530	86	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24			
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24			
Initial Bse:	99	67	275	57	52	19	25	839	73	228	657	107	99	67	275	57	52	19	25	839	73	228	657	107
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Campus Incr:	0	9	0	0	14	7	11	0	0	0	0	0	0	9	0	0	14	7	11	0	0	0	0	0
Initial Fut:	99	76	275	57	66	26	36	839	73	228	657	107	99	76	275	57	66	26	36	839	73	228	657	107
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
PHF Volume:	99	76	275	57	66	26	36	839	73	228	657	107	99	76	275	57	66	26	36	839	73	228	657	107
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Reduced Vol:	99	76	275	57	66	26	36	839	73	228	657	107	99	76	275	57	66	26	36	839	73	228	657	107
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
Final Vol.:	99	76	275	57	66	26	36	839	73	228	657	107	99	76	275	57	66	26	36	839	73	228	657	107
Saturation Flow Module:																								
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	
Adjustment:	0.68	0.68	0.83	0.74	0.74	0.74	0.93	0.92	0.92	0.93	0.91	0.91	0.68	0.68	0.83	0.74	0.74	0.74	0.93	0.92	0.92	0.93	0.91	0.91
Lanes:	0.57	0.43	1.00	0.38	0.45	0.17	1.00	1.84	0.16	1.00	1.72	0.28	0.57	0.43	1.00	0.38	0.45	0.17	1.00	1.85	0.15	1.00	1.73	0.27
Final Sat.:	728	557	1583	538	623	241	1769	3215	280	1769	2980	484	720	552	1583	527	610	236	1769	3226	270	1769	2995	472
Capacity Analysis Module:																								
Vol/Sat:	0.14	0.14	0.17	0.11	0.11	0.11	0.02	0.26	0.26	0.13	0.22	0.22	0.14	0.14	0.17	0.11	0.11	0.11	0.02	0.27	0.27	0.15	0.23	0.23
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.24	0.24	0.47	0.24	0.24	0.24	0.06	0.46	0.46	0.23	0.63	0.63	0.24	0.24	0.47	0.24	0.24	0.24	0.06	0.45	0.45	0.24	0.64	0.64
Volume/Cap:	0.57	0.57	0.37	0.44	0.44	0.44	0.35	0.57	0.57	0.57	0.35	0.35	0.57	0.57	0.37	0.44	0.44	0.44	0.35	0.60	0.60	0.60	0.35	0.35
Delay/Veh:	42.7	42.7	21.0	39.7	39.7	39.7	56.5	24.3	24.3	43.1	10.8	10.8	42.7	42.7	21.0	39.7	39.7	39.7	56.6	25.3	25.3	42.6	10.3	10.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	42.7	42.7	21.0	39.7	39.7	39.7	56.5	24.3	24.3	43.1	10.8	10.8	42.7	42.7	21.0	39.7	39.7	39.7	56.6	25.3	25.3	42.6	10.3	10.3
DesignQueue:	5	4	10	3	3	1	2	32	3	12	17	3	5	4	10	3	3	1	2	34	3	13	17	3

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Intersection #9: SR 1/Swift [N/S: Swift E/W: SR 1]



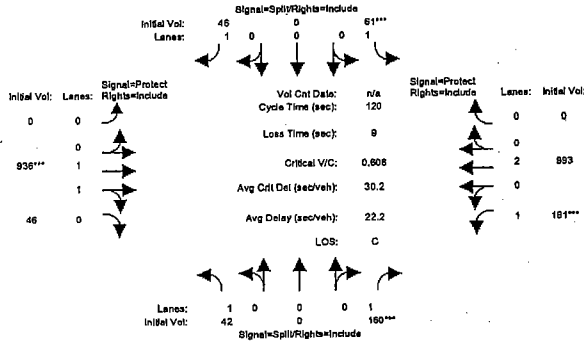
Approach:	North Bound				South Bound				East Bound				West Bound											
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R				
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Volume Module:																								
Base Vol:	80	54	222	46	42	15	20	677	59	184	530	86	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24		
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24		
Initial Bse:	99	67	275	57	52	19	25	839	73	228	657	107	99	67	275	57	52	19	25	839	73	228	657	107
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Campus Incr:	0	9	0	0	14	7	11	0	0	0	0	0	0	9	0	0	14	7	11	0	0	0	0	0
Initial Fut:	99	76	275	57	66	26	36	875	73	257	677	107	99	76	275	57	66	26	36	875	73	257	677	107
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PHF Volume:	99	76	275	57	66	26	36	875	73	257	677	107	99	76	275	57	66	26	36	875	73	257	677	107
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Reduced Vol:	99	76	275	57	66	26	36	875	73	257	677	107	99	76	275	57	66	26	36	875	73	257	677	107
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Final Vol.:	99	76	275	57	66	26	36	875	73	257	677	107	99	76	275	57	66	26	36	875	73	257	677	107
Saturation Flow Module:																								
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	
Adjustment:	0.67	0.67	0.83	0.72	0.72	0.72	0.93	0.92	0.92	0.93	0.91	0.91	0.67	0.67	0.83	0.72	0.72	0.72	0.93	0.92	0.92	0.93	0.91	0.91
Lanes:	0.57	0.43	1.00	0.38	0.45	0.17	1.00	1.85	0.15	1.00	1.73	0.27	0.57	0.43	1.00	0.38	0.45	0.17	1.00	1.85	0.15	1.00	1.73	0.27
Final Sat.:	720	552	1583	527	610	236	1769	3226	270	1769	2995	472	720	552	1583	527	610	236	1769	3226	270	1769	2995	472
Capacity Analysis Module:																								
Vol/Sat:	0.14	0.14	0.21	0.11	0.11	0.11	0.02	0.27	0.27	0.15	0.23	0.23	0.14	0.14	0.21	0.11	0.11	0.11	0.02	0.27	0.27	0.15	0.23	0.23
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.23	0																						

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Intersection #10: Mission/Almar [N/S: Almar E/W: Mission]



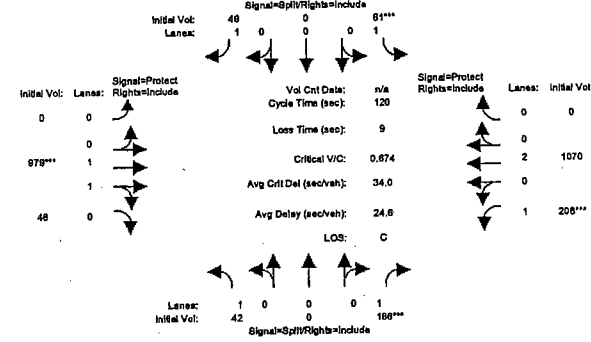
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	34	0	129	49	0	37	0	755	37	130	801	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	42	0	160	61	0	46	0	936	46	161	993	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	42	0	160	61	0	46	0	936	46	161	993	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	47	0	178	68	0	51	0	1040	51	179	1104	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	47	0	178	68	0	51	0	1040	51	179	1104	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	47	0	178	68	0	51	0	1040	51	179	1104	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	1.00	0.83	0.93	1.00	0.83	1.00	0.92	0.92	0.93	0.93	1.00
Lanes:	1.00	0.00	1.00	1.00	0.00	1.00	0.00	1.91	0.09	1.00	2.00	0.00
Final Sat.:	1769	0	1583	1769	0	1583	0	3349	164	1769	3538	0
Capacity Analysis Module:												
Vol/Sat:	0.03	0.00	0.11	0.04	0.00	0.03	0.00	0.31	0.31	0.10	0.31	0.00
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.18	0.00	0.18	0.06	0.00	0.06	0.00	0.51	0.51	0.17	0.68	0.00
Volume/Cap:	0.14	0.00	0.61	0.61	0.00	0.51	0.00	0.61	0.61	0.61	0.46	0.00
Delay/Veh:	41.2	0.0	48.6	64.2	0.0	59.0	0.0	21.4	21.4	50.0	9.2	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	41.2	0.0	48.6	64.2	0.0	59.0	0.0	21.4	21.4	50.0	9.2	0.0
DesignQueue:	3	0	10	4	0	3	0	37	2	10	26	0

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Intersection #10: Mission/Almar [N/S: Almar E/W: Mission]



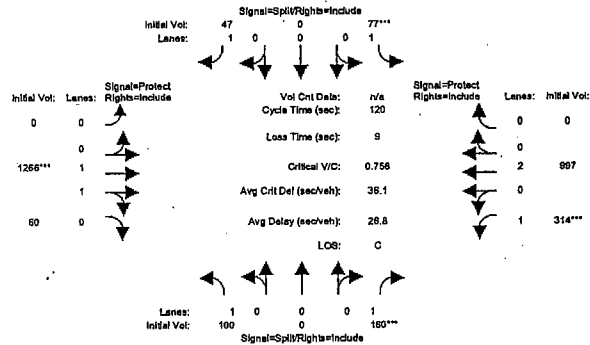
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	34	0	129	49	0	37	0	755	37	130	801	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	42	0	160	61	0	46	0	936	46	161	993	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	42	0	160	61	0	46	0	936	46	161	993	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	47	0	207	68	0	51	0	1088	51	231	1189	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	47	0	207	68	0	51	0	1088	51	231	1189	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	47	0	207	68	0	51	0	1088	51	231	1189	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	1.00	0.83	0.93	1.00	0.83	1.00	0.92	0.92	0.93	0.93	1.00
Lanes:	1.00	0.00	1.00	1.00	0.00	1.00	0.00	1.91	0.09	1.00	2.00	0.00
Final Sat.:	1769	0	1583	1769	0	1583	0	3356	157	1769	3538	0
Capacity Analysis Module:												
Vol/Sat:	0.03	0.00	0.13	0.04	0.00	0.03	0.00	0.32	0.32	0.13	0.34	0.00
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.19	0.00	0.19	0.06	0.00	0.06	0.00	0.48	0.48	0.19	0.67	0.00
Volume/Cap:	0.14	0.00	0.67	0.67	0.00	0.57	0.00	0.67	0.67	0.67	0.50	0.00
Delay/Veh:	40.3	0.0	50.7	72.2	0.0	63.6	0.0	25.0	25.0	50.1	9.7	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	40.3	0.0	50.7	72.2	0.0	63.6	0.0	25.0	25.0	50.1	9.7	0.0
DesignQueue:	3	0	11	4	0	3	0	41	2	13	28	0

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2020 Baseline PM

Intersection #10: Mission/Almar [N/S: Almar E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	81	0	129	62	0	38	0	1021	48	253	804	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	100	0	160	77	0	47	0	1266	60	314	997	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	100	0	160	77	0	47	0	1266	60	314	997	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	100	0	160	77	0	47	0	1266	60	314	997	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	100	0	160	77	0	47	0	1266	60	314	997	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	100	0	160	77	0	47	0	1266	60	314	997	0

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	1.00	0.83	0.93	1.00	0.83	1.00	0.92	0.92	0.93	0.93	1.00
Lanes:	1.00	0.00	1.00	1.00	0.00	1.00	0.00	1.91	0.09	1.00	2.00	0.00
Final Sat.:	1769	0	1583	1769	0	1583	0	3355	158	1769	3538	0

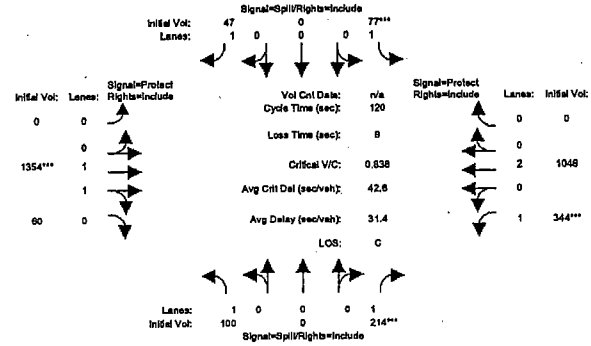
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.06	0.00	0.10	0.04	0.00	0.03	0.00	0.38	0.38	0.18	0.28	0.00
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.13	0.00	0.13	0.06	0.00	0.06	0.00	0.50	0.50	0.23	0.73	0.00
Volume/Cap:	0.42	0.00	0.76	0.76	0.00	0.52	0.00	0.76	0.76	0.76	0.38	0.00
Delay/Veh:	49.0	0.0	64.5	82.9	0.0	60.1	0.0	26.1	26.1	50.5	6.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	49.0	0.0	64.5	82.9	0.0	60.1	0.0	26.1	26.1	50.5	6.0	0.0
DesignQueue:	6	0	9	5	0	3	0	47	2	17	19	0

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Intersection #10: Mission/Almar [N/S: Almar E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	81	0	129	62	0	38	0	1021	48	253	804	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	100	0	160	77	0	47	0	1266	60	314	997	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	100	0	160	77	0	47	0	1266	60	314	997	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	100	0	160	77	0	47	0	1266	60	314	997	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	100	0	160	77	0	47	0	1266	60	314	997	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	100	0	160	77	0	47	0	1266	60	314	997	0

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	1.00	0.83	0.93	1.00	0.83	1.00	0.93	0.93	0.93	0.93	1.00
Lanes:	1.00	0.00	1.00	1.00	0.00	1.00	0.00	1.92	0.08	1.00	2.00	0.00
Final Sat.:	1769	0	1583	1769	0	1583	0	3369	148	1769	3538	0

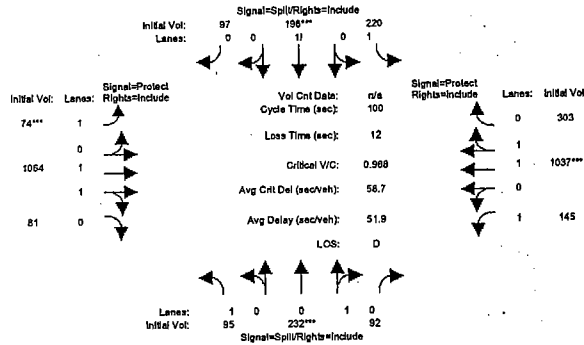
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.06	0.00	0.14	0.04	0.00	0.03	0.00	0.40	0.40	0.19	0.30	0.00
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.16	0.00	0.16	0.05	0.00	0.05	0.00	0.48	0.48	0.23	0.71	0.00
Volume/Cap:	0.35	0.00	0.84	0.84	0.00	0.57	0.00	0.84	0.84	0.84	0.42	0.00
Delay/Veh:	45.5	0.0	69.7	102.4	0.0	65.1	0.0	31.0	31.0	58.0	7.2	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	45.5	0.0	69.7	102.4	0.0	65.1	0.0	31.0	31.0	58.0	7.2	0.0
DesignQueue:	6	0	12	5	0	3	0	52	2	18	22	0

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2020 Baseline AM

Intersection #11: Mission/Bay (N/S: Bay E/W: Mission)



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	77	171	74	170	155	78	60	858	65	117	836	219
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	95	212	92	211	192	97	74	1064	81	145	1037	272
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	20	0	9	6	0	0	0	0	0	0	31
Initial Fut:	95	232	92	220	198	97	74	1064	81	145	1037	303
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	95	232	92	220	198	97	74	1064	81	145	1037	303
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	95	232	92	220	198	97	74	1064	81	145	1037	303
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	95	232	92	220	198	97	74	1064	81	145	1037	303

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.91	0.92	0.92	0.92	0.92	0.92	0.93	0.92	0.92	0.93	0.90	0.90
Lanes:	1.00	0.72	0.28	1.27	0.49	0.24	1.00	1.86	0.14	1.00	1.55	0.45
Final Sat.:	1736	1255	496	2211	852	416	1769	3256	247	1769	2645	772

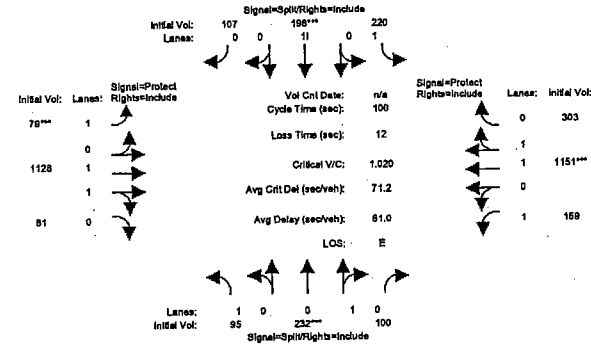
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.05	0.18	0.18	0.10	0.23	0.23	0.04	0.33	0.33	0.08	0.39	0.39
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.19	0.19	0.19	0.24	0.24	0.24	0.04	0.36	0.36	0.09	0.40	0.40
Volume/Cap:	0.29	0.97	0.97	0.41	0.97	0.97	0.97	0.91	0.91	0.91	0.97	0.97
Delay/Veh:	35.1	80.6	80.6	32.2	68.4	68.4	139.1	40.7	40.7	91.4	46.1	46.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	35.1	80.6	80.6	32.2	68.4	68.4	139.1	40.7	40.7	91.4	46.1	46.1
DesignQueue:	4	11	4	10	9	4	4	41	3	7	38	11

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Intersection #11: Mission/Bay (N/S: Bay E/W: Mission)



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	77	171	74	170	155	78	60	858	65	117	836	219
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	95	212	92	211	192	97	74	1064	81	145	1037	272
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	20	0	9	6	0	0	0	0	0	0	31
Initial Fut:	95	232	92	220	198	97	74	1064	81	145	1037	303
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	95	232	92	220	198	97	74	1064	81	145	1037	303
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	95	232	92	220	198	97	74	1064	81	145	1037	303
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	95	232	92	220	198	97	74	1064	81	145	1037	303

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.91	0.92	0.92	0.91	0.91	0.91	0.93	0.92	0.92	0.93	0.90	0.90
Lanes:	1.00	0.70	0.30	1.26	0.48	0.26	1.00	1.87	0.13	1.00	1.58	0.42
Final Sat.:	1736	1221	525	2196	829	447	1769	3269	234	1769	2714	714

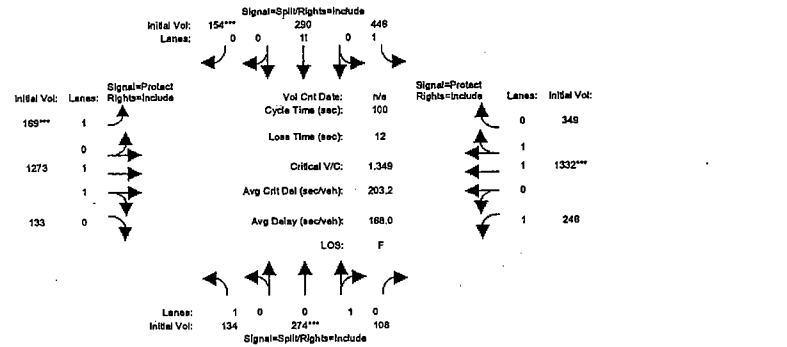
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.05	0.19	0.19	0.10	0.24	0.24	0.04	0.35	0.35	0.09	0.42	0.42
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.19	0.19	0.19	0.23	0.23	0.23	0.04	0.36	0.36	0.09	0.42	0.42
Volume/Cap:	0.30	1.02	1.02	0.43	1.02	1.02	0.95	0.95	0.95	0.95	1.02	1.02
Delay/Veh:	35.5	95.9	95.9	32.8	83.2	83.2	155.5	45.2	45.2	98.7	58.3	58.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	35.5	95.9	95.9	32.8	83.2	83.2	155.5	45.2	45.2	98.7	58.3	58.3
DesignQueue:	4	11	4	10	9	5	4	43	3	8	42	11

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2020 Baseline PM

Intersection #11: Mission/Bay [N/S: Bay E/W: Mission]



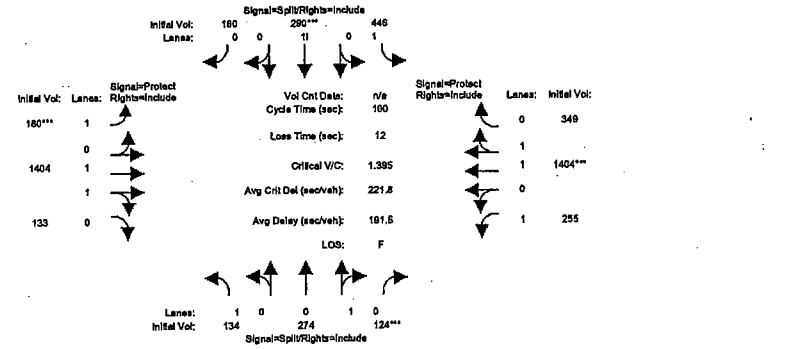
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	108	211	87	336	219	124	136	1027	107	198	1074	267
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	134	262	108	417	272	154	169	1273	133	246	1332	331
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	12	0	29	18	0	0	0	0	0	0	18
Initial Fut:	134	274	108	446	290	154	169	1273	133	246	1332	349
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	134	274	108	446	290	154	169	1273	133	246	1332	349
Reduc Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	134	274	108	446	290	154	169	1273	133	246	1332	349
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	134	274	108	446	290	154	169	1273	133	246	1332	349
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.91	0.92	0.92	0.91	0.91	0.91	0.93	0.92	0.92	0.93	0.90	0.90
Lanes:	1.00	0.72	0.28	1.34	0.43	0.23	1.00	1.81	0.19	1.00	1.58	0.42
Final Sat.:	1736	1256	495	2319	755	401	1769	3159	329	1769	2716	712
Capacity Analysis Module:												
Vol/Sat:	0.08	0.22	0.22	0.19	0.38	0.38	0.10	0.40	0.40	0.14	0.49	0.49
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.16	0.16	0.16	0.28	0.28	0.28	0.07	0.32	0.32	0.11	0.36	0.36
Volume/Cap:	0.48	1.35	1.35	0.68	1.35	1.35	1.35	1.25	1.25	1.25	1.35	1.35
Delay/Veh:	39.4	220	220.5	33.1	203	202.7	247.0	153	153.0	191.1	194	194.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	39.4	220	220.5	33.1	203	202.7	247.0	153	153.0	191.1	194	194.2
DesignQueue:	6	13	5	19	13	7	9	53	6	13	53	14

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2020 Plus Phase 1 and 2 PM

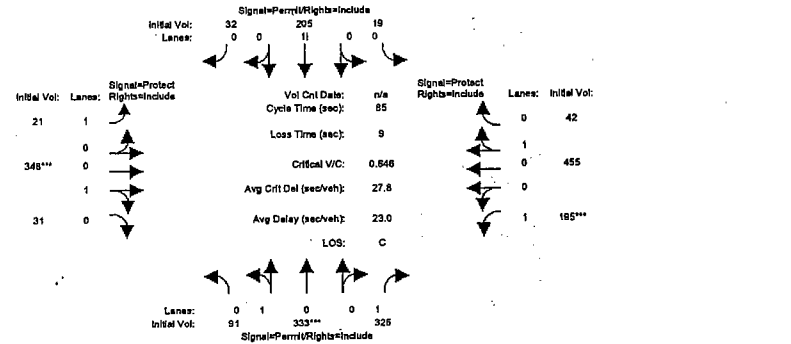
Intersection #11: Mission/Bay [N/S: Bay E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	108	211	87	336	219	124	136	1027	107	198	1074	267
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	134	262	108	417	272	154	169	1273	133	246	1332	331
Added Vol:	0	0	16	0	0	6	11	131	0	9	72	0
Campus Incr:	0	12	0	29	18	0	0	0	0	0	0	18
Initial Fut:	134	274	124	446	290	160	180	1404	133	255	1404	349
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	134	274	124	446	290	160	180	1404	133	255	1404	349
Reduc Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	134	274	124	446	290	160	180	1404	133	255	1404	349
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	134	274	124	446	290	160	180	1404	133	255	1404	349
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.91	0.92	0.92	0.91	0.91	0.91	0.93	0.92	0.92	0.93	0.90	0.90
Lanes:	1.00	0.69	0.31	1.33	0.43	0.24	1.00	1.83	0.17	1.00	1.60	0.40
Final Sat.:	1736	1199	543	2311	748	413	1769	3190	301	1769	2748	683
Capacity Analysis Module:												
Vol/Sat:	0.08	0.23	0.23	0.19	0.39	0.39	0.10	0.44	0.44	0.14	0.51	0.51
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.16	0.16	0.16	0.28	0.28	0.28	0.07	0.33	0.33	0.11	0.37	0.37
Volume/Cap:	0.47	1.40	1.40	0.69	1.40	1.40	1.40	1.33	1.33	1.33	1.40	1.40
Delay/Veh:	39.1	240	239.7	34.0	223	223.4	264.4	188	188.4	224.8	214	214.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	39.1	240	239.7	34.0	223	223.4	264.4	188	188.4	224.8	214	214.5
DesignQueue:	6	13	6	19	13	7	9	58	6	13	56	14

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2020 Baseline AM

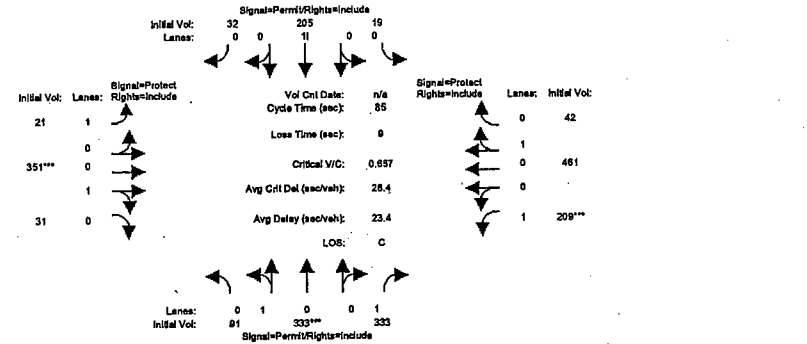
Intersection #12: Laurel/California [N/S: California E/w: Laurel]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	73	243	262	15	158	26	17	281	25	157	367	34
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	91	301	325	19	196	32	21	348	31	195	455	42
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	32	0	0	9	0	0	0	0	0	0	0
Initial Fut:	91	333	325	19	205	32	21	348	31	195	455	42
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	91	333	325	19	205	32	21	348	31	195	455	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	91	333	325	19	205	32	21	348	31	195	455	42
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	91	333	325	19	205	32	21	348	31	195	455	42
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.85	0.85	0.83	0.93	0.93	0.93	0.93	0.97	0.97	0.93	0.97	0.97
Lanes:	0.21	0.79	1.00	0.07	0.80	0.13	1.00	0.92	0.08	1.00	0.92	0.08
Final Sat.:	346	1275	1583	128	1411	222	1769	1689	150	1769	1682	156
Capacity Analysis Module:												
Vol/Sat:	0.26	0.26	0.21	0.15	0.15	0.15	0.01	0.21	0.21	0.11	0.27	0.27
Crit Moves:	****						****			****		
Green/Cycle:	0.40	0.40	0.40	0.40	0.40	0.40	0.02	0.32	0.32	0.17	0.47	0.47
Volume/Cap:	0.65	0.65	0.51	0.36	0.36	0.36	0.58	0.65	0.65	0.65	0.58	0.58
Delay/Veh:	22.6	22.6	19.6	17.9	17.9	17.9	62.0	27.3	27.3	37.7	17.4	17.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	22.6	22.6	19.6	17.9	17.9	17.9	62.0	27.3	27.3	37.7	17.4	17.4
DesignQueue:	3	10	10	1	6	1	1	12	1	8	12	1

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Intersection #12: Laurel/California [N/S: California E/w: Laurel]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	73	243	262	15	158	26	17	281	25	157	367	34
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	91	301	325	19	196	32	21	348	31	195	455	42
Added Vol:	0	0	0	0	0	0	0	0	0	0	14	6
Campus Incr:	0	32	0	0	9	0	0	0	0	0	0	0
Initial Fut:	91	333	325	19	205	32	21	351	31	209	461	42
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	91	333	325	19	205	32	21	351	31	209	461	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	91	333	325	19	205	32	21	351	31	209	461	42
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	91	333	325	19	205	32	21	351	31	209	461	42
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.85	0.85	0.83	0.93	0.93	0.93	0.93	0.97	0.97	0.93	0.97	0.97
Lanes:	0.21	0.79	1.00	0.07	0.80	0.13	1.00	0.92	0.08	1.00	0.92	0.08
Final Sat.:	346	1273	1583	128	1411	222	1769	1691	149	1769	1684	154
Capacity Analysis Module:												
Vol/Sat:	0.26	0.26	0.21	0.15	0.15	0.15	0.01	0.21	0.21	0.12	0.27	0.27
Crit Moves:	****						****			****		
Green/Cycle:	0.40	0.40	0.40	0.40	0.40	0.40	0.02	0.32	0.32	0.18	0.48	0.48
Volume/Cap:	0.66	0.66	0.53	0.36	0.36	0.36	0.58	0.66	0.66	0.66	0.58	0.58
Delay/Veh:	23.3	23.3	20.3	18.3	18.3	18.3	61.9	27.8	27.8	37.4	17.1	17.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	23.3	23.3	20.3	18.3	18.3	18.3	61.9	27.8	27.8	37.4	17.1	17.1
DesignQueue:	3	10	10	1	6	1	1	12	1	8	12	1

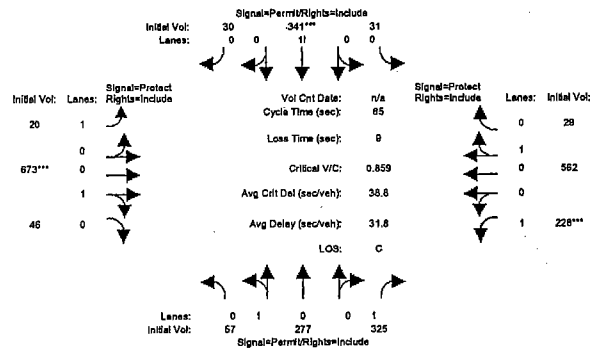


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2020 Baseline PM

Intersection #12: Laurel/California [N/S: California E/W: Laurel]



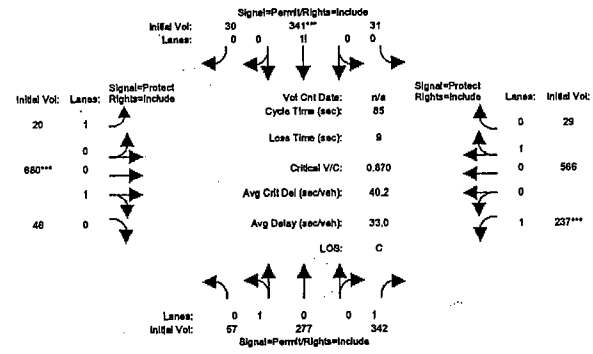
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	46	208	262	25	251	24	16	543	37	184	453	23
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	57	258	325	31	311	30	20	673	46	228	562	29
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	19	0	0	30	0	0	0	0	0	0	0
Initial Fut:	57	277	325	31	341	30	20	673	46	228	562	29
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	57	277	325	31	341	30	20	673	46	228	562	29
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	57	277	325	31	341	30	20	673	46	228	562	29
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	57	277	325	31	341	30	20	673	46	228	562	29
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.76	0.76	0.83	0.85	0.85	0.85	0.93	0.97	0.97	0.93	0.97	0.97
Lanes:	0.17	0.83	1.00	0.08	0.85	0.07	1.00	0.94	0.06	1.00	0.95	0.05
Final Sat.:	245	1190	1583	124	1369	119	1769	1726	118	1769	1760	89
Capacity Analysis Module:												
Vol/Sat:	0.23	0.23	0.21	0.25	0.25	0.25	0.01	0.39	0.39	0.13	0.32	0.32
Crit Moves:	*****											
Green/Cycle:	0.29	0.29	0.29	0.29	0.29	0.29	0.02	0.45	0.45	0.15	0.58	0.58
Volume/Cap:	0.80	0.80	0.71	0.86	0.86	0.86	0.55	0.86	0.86	0.86	0.55	0.55
Delay/Veh:	38.6	38.6	32.0	43.3	43.3	43.3	57.6	29.7	29.7	58.7	11.4	11.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.6	38.6	32.0	43.3	43.3	43.3	57.6	29.7	29.7	58.7	11.4	11.4
DesignQueue:	2	10	11	1	12	1	1	19	1	9	12	1

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Intersection #12: Laurel/California [N/S: California E/W: Laurel]



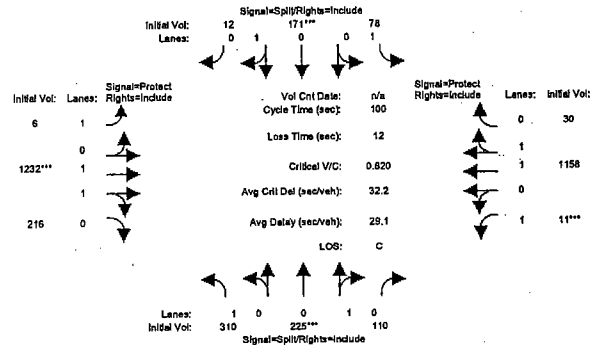
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	46	208	262	25	251	24	16	543	37	184	453	23
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	57	258	325	31	311	30	20	673	46	228	562	29
Added Vol:	0	0	17	0	0	0	0	0	7	0	9	4
Campus Incr:	0	19	0	0	30	0	0	0	0	0	0	0
Initial Fut:	57	277	342	31	341	30	20	680	46	237	566	29
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	57	277	342	31	341	30	20	680	46	237	566	29
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	57	277	342	31	341	30	20	680	46	237	566	29
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	57	277	342	31	341	30	20	680	46	237	566	29
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.75	0.75	0.83	0.84	0.84	0.84	0.93	0.97	0.97	0.93	0.97	0.97
Lanes:	0.17	0.83	1.00	0.08	0.85	0.07	1.00	0.94	0.06	1.00	0.95	0.05
Final Sat.:	244	1186	1583	124	1361	119	1769	1729	117	1769	1760	89
Capacity Analysis Module:												
Vol/Sat:	0.23	0.23	0.22	0.25	0.25	0.25	0.01	0.39	0.39	0.13	0.32	0.32
Crit Moves:	*****											
Green/Cycle:	0.29	0.29	0.29	0.29	0.29	0.29	0.02	0.45	0.45	0.15	0.59	0.59
Volume/Cap:	0.81	0.81	0.75	0.87	0.87	0.87	0.55	0.87	0.87	0.87	0.55	0.55
Delay/Veh:	39.6	39.6	34.3	45.0	45.0	45.0	57.9	30.9	30.9	59.8	11.3	11.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	39.6	39.6	34.3	45.0	45.0	45.0	57.9	30.9	30.9	59.8	11.3	11.3
DesignQueue:	2	10	12	1	12	1	1	20	1	10	12	1

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Intersection #13: Mission/Laurel [N/S: Laurel E/W: Mission]



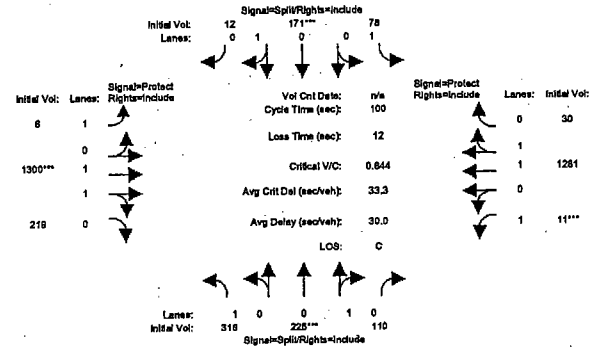
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	242	164	89	63	133	10	5	989	172	9	917	24
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	300	203	110	78	165	12	6	1226	213	11	1137	30
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	10	22	0	0	6	0	0	6	3	0	21	0
Initial Fut:	310	225	110	78	171	12	6	1232	216	11	1158	30
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	310	225	110	78	171	12	6	1232	216	11	1158	30
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	310	225	110	78	171	12	6	1232	216	11	1158	30
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	310	225	110	78	171	12	6	1232	216	11	1158	30
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.93	0.93	0.97	0.97	0.91	0.89	0.89	0.91	0.91	0.91
Lanes:	1.00	0.67	0.33	1.00	0.93	0.07	1.00	1.70	0.30	1.00	1.95	0.05
Final Sat.:	1769	1189	582	1769	1719	125	1736	2889	507	1736	3372	87
Capacity Analysis Module:												
Vol/Sat:	0.18	0.19	0.19	0.04	0.10	0.10	0.00	0.43	0.43	0.01	0.34	0.34
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***
Green/Cycle:	0.23	0.23	0.23	0.12	0.12	0.12	0.01	0.52	0.52	0.01	0.52	0.52
Volume/Cap:	0.76	0.82	0.82	0.36	0.82	0.82	0.66	0.82	0.82	0.82	0.66	0.66
Delay/Veh:	43.9	48.9	48.9	41.5	63.7	63.7	153.1	23.3	23.3	200.1	18.3	18.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	43.9	48.9	48.9	41.5	63.7	63.7	153.1	23.3	23.3	200.1	18.3	18.3
DesignQueue:	14	10	5	4	9	1	0	37	6	1	33	1

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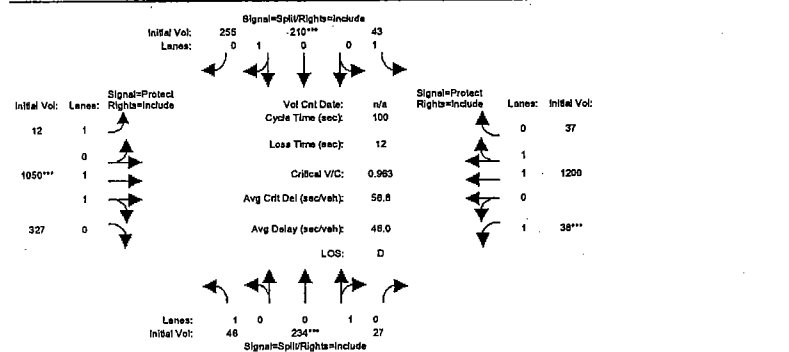
Intersection #13: Mission/Laurel [N/S: Laurel E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	242	164	89	63	133	10	5	989	172	9	917	24
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	300	203	110	78	165	12	6	1226	213	11	1137	30
Added Vol:	6	0	0	0	0	0	0	6	3	0	23	0
Campus Incr:	10	22	0	0	6	0	0	6	3	0	21	0
Initial Fut:	316	225	110	78	171	12	6	1300	219	11	1281	30
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	316	225	110	78	171	12	6	1300	219	11	1281	30
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	316	225	110	78	171	12	6	1300	219	11	1281	30
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	316	225	110	78	171	12	6	1300	219	11	1281	30
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.93	0.93	0.97	0.97	0.91	0.89	0.89	0.91	0.91	0.91
Lanes:	1.00	0.67	0.33	1.00	0.93	0.07	1.00	1.71	0.29	1.00	1.95	0.05
Final Sat.:	1769	1189	582	1769	1719	125	1736	2906	490	1736	3384	79
Capacity Analysis Module:												
Vol/Sat:	0.18	0.19	0.19	0.04	0.10	0.10	0.00	0.45	0.45	0.01	0.38	0.38
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***
Green/Cycle:	0.22	0.22	0.22	0.12	0.12	0.12	0.01	0.53	0.53	0.01	0.53	0.53
Volume/Cap:	0.80	0.84	0.84	0.37	0.84	0.84	0.71	0.84	0.84	0.84	0.71	0.71
Delay/Veh:	47.3	52.2	52.2	41.8	68.1	68.1	186.8	23.8	23.8	214.7	18.9	18.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	47.3	52.2	52.2	41.8	68.1	68.1	186.8	23.8	23.8	214.7	18.9	18.9
DesignQueue:	14	10	5	4	9	1	0	38	6	1	37	1

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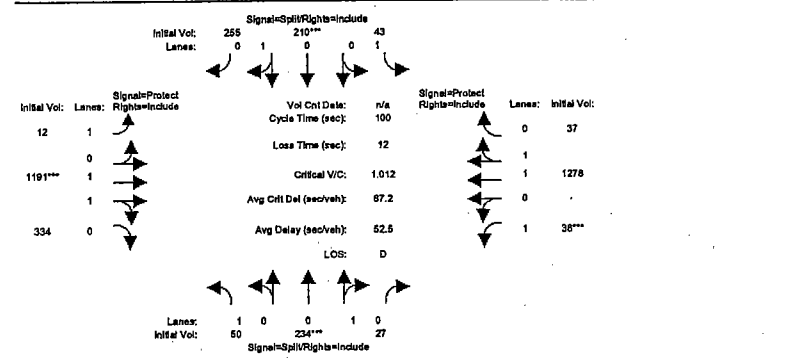
Intersection #13: Mission/Laurel [N/S: Laurel E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	40	221	27	43	190	255	12	1031	318	38	1188	37
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	40	221	27	43	190	255	12	1031	318	38	1188	37
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	6	13	0	0	20	0	0	19	9	0	12	0
Initial Fut:	46	234	27	43	210	255	12	1050	327	38	1200	37
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	46	234	27	43	210	255	12	1050	327	38	1200	37
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	46	234	27	43	210	255	12	1050	327	38	1200	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	46	234	27	43	210	255	12	1050	327	38	1200	37
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.97	0.97	0.93	0.90	0.90	0.91	0.88	0.88	0.91	0.91	0.91
Lanes:	1.00	0.90	0.10	1.00	0.45	0.55	1.00	1.53	0.47	1.00	1.94	0.06
Final Sat.:	1769	1644	190	1769	772	937	1736	2553	795	1736	3355	103
Capacity Analysis Module:												
Vol/Sat:	0.03	0.14	0.14	0.02	0.27	0.27	0.01	0.41	0.41	0.02	0.36	0.36
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.15	0.15	0.15	0.28	0.28	0.28	0.01	0.43	0.43	0.02	0.44	0.44
Volume/Cap:	0.18	0.96	0.96	0.09	0.96	0.96	0.81	0.96	0.96	0.96	0.81	0.81
Delay/Veh:	37.6	86.7	86.7	26.5	66.9	66.9	187.7	43.7	43.7	177.2	27.7	27.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.6	86.7	86.7	26.5	66.9	66.9	187.7	43.7	43.7	177.2	27.7	27.7
DesignQueue:	2	11	1	2	9	11	1	37	12	2	41	1

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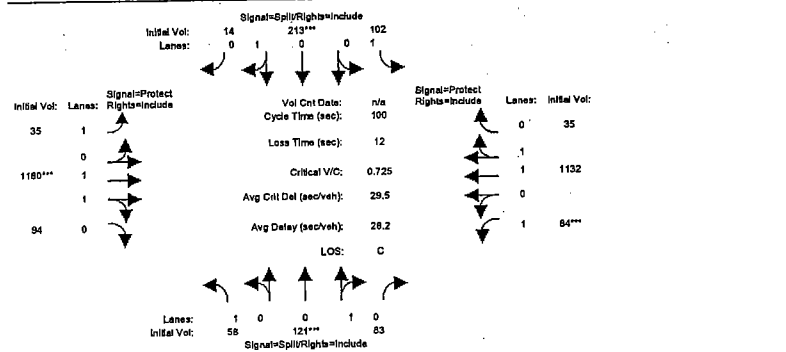
Intersection #13: Mission/Laurel [N/S: Laurel E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	40	221	27	43	190	255	12	1031	318	38	1188	37
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	40	221	27	43	190	255	12	1031	318	38	1188	37
Added Vol:	4	0	0	0	0	0	0	141	7	0	78	0
Campus Incr:	6	13	0	0	20	0	0	19	9	0	12	0
Initial Fut:	50	234	27	43	210	255	12	1191	334	38	1278	37
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	50	234	27	43	210	255	12	1191	334	38	1278	37
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	50	234	27	43	210	255	12	1191	334	38	1278	37
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	50	234	27	43	210	255	12	1191	334	38	1278	37
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.97	0.97	0.93	0.90	0.90	0.91	0.88	0.88	0.91	0.91	0.91
Lanes:	1.00	0.90	0.10	1.00	0.45	0.55	1.00	1.56	0.44	1.00	1.94	0.06
Final Sat.:	1769	1644	190	1769	772	937	1736	2623	736	1736	3362	97
Capacity Analysis Module:												
Vol/Sat:	0.03	0.14	0.14	0.02	0.27	0.27	0.01	0.45	0.45	0.02	0.38	0.38
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.14	0.14	0.14	0.27	0.27	0.27	0.01	0.45	0.45	0.02	0.46	0.46
Volume/Cap:	0.20	1.01	1.01	0.09	1.01	1.01	0.82	1.01	1.01	1.01	0.82	0.82
Delay/Veh:	38.4	102	102.0	27.5	81.5	81.5	194.9	53.7	53.7	199.3	26.9	26.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.4	102	102.0	27.5	81.5	81.5	194.9	53.7	53.7	199.3	26.9	26.9
DesignQueue:	2	12	1	2	9	11	1	41	11	2	42	1

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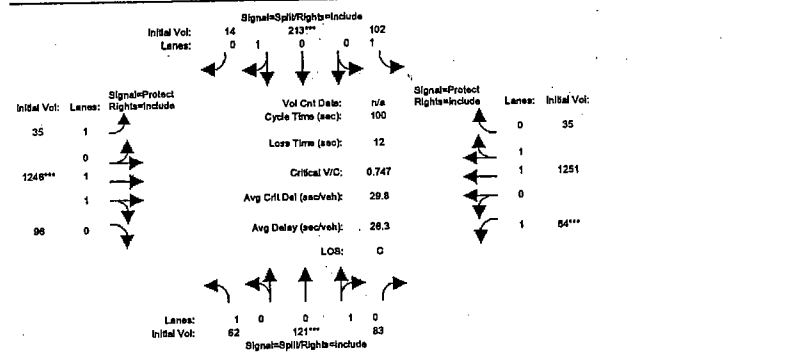
Intersection #14: Mission/Walnut (N/S: Walnut E/W: Mission)



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	47	92	67	82	170	11	28	947	76	68	896	28
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	58	114	83	102	211	14	35	1174	94	84	1111	35
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	7	0	0	2	0	0	6	0	0	21	0
Initial Fut:	58	121	83	102	213	14	35	1180	94	84	1132	35
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	58	121	83	102	213	14	35	1180	94	84	1132	35
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	58	121	83	102	213	14	35	1180	94	84	1132	35
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	58	121	83	102	213	14	35	1180	94	84	1132	35
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.94	0.94	0.95	0.99	0.99	0.95	0.94	0.94	0.95	0.95	0.95
Lanes:	1.00	0.59	0.41	1.00	0.94	0.06	1.00	1.85	0.15	1.00	1.94	0.06
Final Sat.:	1805	1058	726	1805	1769	113	1805	3306	264	1805	3489	107
Capacity Analysis Module:												
Vol/Sat:	0.03	0.11	0.11	0.06	0.12	0.12	0.02	0.36	0.36	0.05	0.32	0.32
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.16	0.16	0.16	0.17	0.17	0.17	0.03	0.49	0.49	0.06	0.53	0.53
Volume/Cap:	0.20	0.73	0.73	0.34	0.73	0.73	0.62	0.73	0.73	0.73	0.62	0.62
Delay/Veh:	37.0	49.1	49.1	37.6	47.8	47.8	66.9	21.6	21.6	66.2	17.3	17.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.0	49.1	49.1	37.6	47.8	47.8	66.9	21.6	21.6	66.2	17.3	17.3
DesignQueue:	3	6	4	5	10	1	2	37	3	4	32	1

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2020 Plus Phase 1 and 2 AM

Intersection #14: Mission/Walnut (N/S: Walnut E/W: Mission)



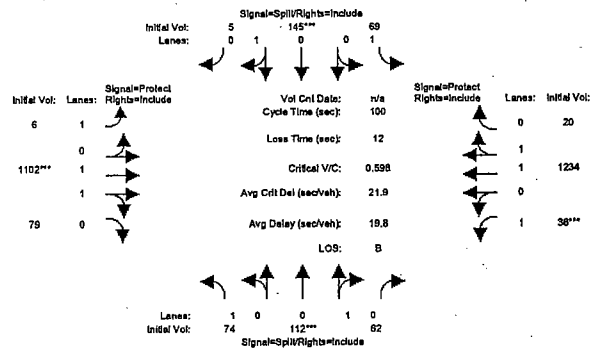
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	47	92	67	82	170	11	28	947	76	68	896	28
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	58	114	83	102	211	14	35	1174	94	84	1111	35
Added Vol:	4	0	0	0	0	0	0	66	2	0	119	0
Campus Incr:	0	7	0	0	2	0	0	6	0	0	21	0
Initial Fut:	62	121	83	102	213	14	35	1246	96	84	1251	35
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	62	121	83	102	213	14	35	1246	96	84	1251	35
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	62	121	83	102	213	14	35	1246	96	84	1251	35
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	62	121	83	102	213	14	35	1246	96	84	1251	35
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.94	0.94	0.95	0.99	0.99	0.95	0.94	0.94	0.95	0.95	0.95
Lanes:	1.00	0.59	0.41	1.00	0.94	0.06	1.00	1.86	0.14	1.00	1.95	0.05
Final Sat.:	1805	1058	726	1805	1769	113	1805	3314	256	1805	3498	97
Capacity Analysis Module:												
Vol/Sat:	0.03	0.11	0.11	0.06	0.12	0.12	0.02	0.38	0.38	0.05	0.36	0.36
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.15	0.15	0.15	0.16	0.16	0.16	0.03	0.50	0.50	0.06	0.54	0.54
Volume/Cap:	0.23	0.75	0.75	0.35	0.75	0.75	0.67	0.75	0.75	0.75	0.67	0.67
Delay/Veh:	37.6	51.3	51.3	38.0	49.8	49.8	69.7	21.5	21.5	69.7	17.6	17.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.6	51.3	51.3	38.0	49.8	49.8	69.7	21.5	21.5	69.7	17.6	17.6
DesignQueue:	3	6	4	5	10	1	2	38	3	4	35	1

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Intersection #14: Mission/Walnut [N/S: Walnut E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	74	108	62	69	138	5	6	1083	79	36	1222	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	74	108	62	69	138	5	6	1083	79	36	1222	20
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	4	0	0	7	0	0	19	0	0	12	0
Initial Fut:	74	112	62	69	145	5	6	1102	79	36	1234	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	74	112	62	69	145	5	6	1102	79	36	1234	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	74	112	62	69	145	5	6	1102	79	36	1234	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	74	112	62	69	145	5	6	1102	79	36	1234	20

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.95	0.95	1.00	1.00	0.95	0.94	0.94	0.95	0.95	0.95
Lanes:	1.00	0.64	0.36	1.00	0.97	0.03	1.00	1.87	0.13	1.00	1.97	0.03
Final Sat.:	1805	1158	641	1805	1827	63	1805	3335	239	1805	3545	57

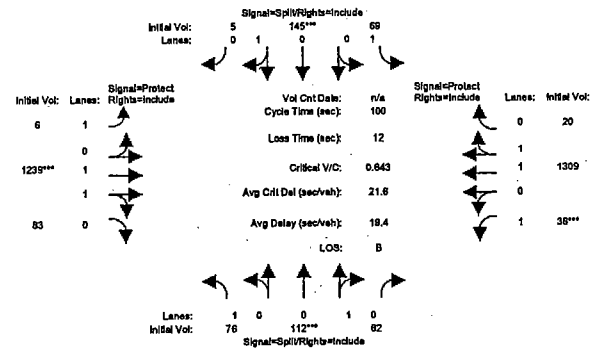
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.04	0.10	0.10	0.04	0.08	0.08	0.00	0.33	0.33	0.02	0.35	0.35
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.16	0.16	0.16	0.13	0.13	0.13	0.01	0.55	0.55	0.03	0.58	0.58
Volume/Cap:	0.25	0.60	0.60	0.29	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
Delay/Veh:	37.1	42.3	42.3	39.8	44.8	44.8	122.6	15.5	15.5	63.1	14.0	14.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.1	42.3	42.3	39.8	44.8	44.8	122.6	15.5	15.5	63.1	14.0	14.0
DesignQueue:	3	5	3	3	7	0	0	30	2	2	32	1

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2020 Plus Phase 1 and 2 PM

Intersection #14: Mission/Walnut [N/S: Walnut E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	74	108	62	69	138	5	6	1083	79	36	1222	20
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	74	108	62	69	138	5	6	1083	79	36	1222	20
Added Vol:	2	0	0	0	0	0	0	137	4	0	75	0
Campus Incr:	0	4	0	0	7	0	0	19	0	0	12	0
Initial Fut:	76	112	62	69	145	5	6	1239	83	36	1309	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	76	112	62	69	145	5	6	1239	83	36	1309	20
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	76	112	62	69	145	5	6	1239	83	36	1309	20
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	76	112	62	69	145	5	6	1239	83	36	1309	20

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	0.95	0.95	1.00	1.00	0.95	0.94	0.94	0.95	0.95	0.95
Lanes:	1.00	0.64	0.36	1.00	0.97	0.03	1.00	1.87	0.13	1.00	1.97	0.03
Final Sat.:	1805	1158	641	1805	1827	63	1805	3353	225	1805	3549	54

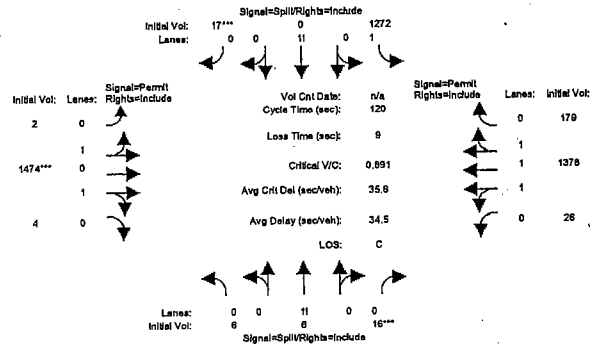
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.04	0.10	0.10	0.04	0.08	0.08	0.00	0.37	0.37	0.02	0.37	0.37
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.15	0.15	0.15	0.12	0.12	0.12	0.01	0.58	0.58	0.03	0.60	0.60
Volume/Cap:	0.28	0.64	0.64	0.31	0.64	0.64	0.61	0.64	0.64	0.64	0.61	0.61
Delay/Veh:	38.2	45.1	45.1	40.7	47.7	47.7	130.3	15.0	15.0	70.6	13.2	13.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.2	45.1	45.1	40.7	47.7	47.7	130.3	15.0	15.0	70.6	13.2	13.2
DesignQueue:	4	5	3	3	7	0	0	32	2	2	32	0

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Intersection #15: Mission/Union [N/S: Union E/W: Mission]



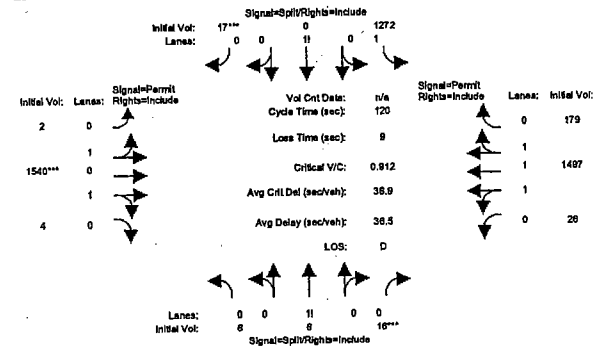
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	5	5	13	1000	0	14	2	1184	3	21	1094	131
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	6	6	16	1240	0	17	2	1468	4	26	1357	162
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	32	0	0	0	6	0	0	21	17
Initial Fut:	6	6	16	1272	0	17	2	1474	4	26	1378	179
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	6	6	16	1272	0	17	2	1474	4	26	1378	179
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	6	16	1272	0	17	2	1474	4	26	1378	179
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	6	6	16	1272	0	17	2	1474	4	26	1378	179
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.90	0.90	0.90	0.93	1.00	0.93	0.89	0.89	0.89	0.69	0.69	0.69
Lanes:	0.22	0.22	0.56	1.97	0.00	0.03	0.00	1.99	0.01	0.05	2.61	0.34
Final Sat.:	370	370	962	3495	0	47	6	3364	8	64	3405	443
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.02	0.36	0.00	0.37	0.44	0.44	0.44	0.40	0.40	0.40
Crit Moves:				****		****	****	****	****	****	****	****
Green/Cycle:	0.02	0.02	0.02	0.41	0.00	0.41	0.49	0.49	0.49	0.49	0.49	0.49
Volume/Cap:	0.89	0.89	0.89	0.88	0.00	0.89	0.89	0.89	0.89	0.82	0.82	0.82
Delay/Veh:	172.7	173	172.7	38.8	0	39.9	34.0	34.0	34.0	29.0	29.0	29.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	172.7	173	172.7	38.8	0	39.9	34.0	34.0	34.0	29.0	29.0	29.0
DesignQueue:	0	0	1	55	0	1	0	56	0	1	50	7

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Intersection #15: Mission/Union [N/S: Union E/W: Mission]



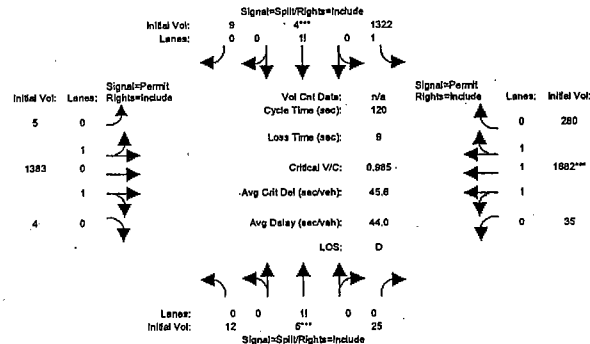
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	5	5	13	1000	0	14	2	1184	3	21	1094	131
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	6	6	16	1240	0	17	2	1468	4	26	1357	162
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	32	0	0	0	6	0	0	21	17
Initial Fut:	6	6	16	1272	0	17	2	1474	4	26	1378	179
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	6	6	16	1272	0	17	2	1474	4	26	1378	179
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	6	16	1272	0	17	2	1474	4	26	1378	179
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	6	6	16	1272	0	17	2	1474	4	26	1378	179
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.90	0.90	0.90	0.93	1.00	0.93	0.89	0.89	0.89	0.68	0.68	0.68
Lanes:	0.22	0.22	0.56	1.97	0.00	0.03	0.00	1.99	0.01	0.04	2.64	0.32
Final Sat.:	370	370	962	3495	0	47	5	3365	8	59	3404	408
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.02	0.36	0.00	0.37	0.46	0.46	0.46	0.44	0.44	0.44
Crit Moves:				****		****	****	****	****	****	****	****
Green/Cycle:	0.02	0.02	0.02	0.40	0.00	0.40	0.50	0.50	0.50	0.50	0.50	0.50
Volume/Cap:	0.91	0.91	0.91	0.91	0.00	0.91	0.91	0.91	0.91	0.88	0.88	0.88
Delay/Veh:	182.7	183	182.7	41.4	0	42.9	35.3	35.3	35.3	31.4	31.4	31.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	182.7	183	182.7	41.4	0	42.9	35.3	35.3	35.3	31.4	31.4	31.4
DesignQueue:	0	0	1	55	0	1	0	57	0	1	54	6

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2020 Baseline PM

Intersection #15: Mission/Union [N/S: Union E/W: Mission]



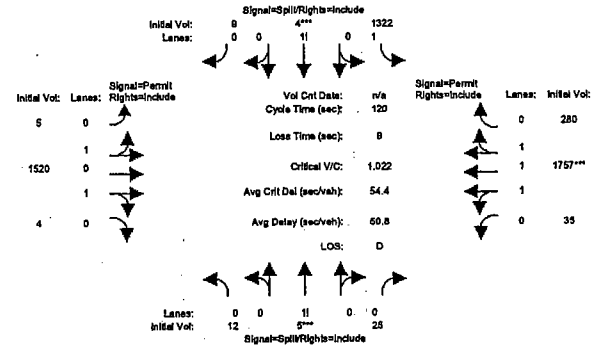
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	10	4	20	982	3	7	4	1100	3	28	1347	218
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	12	5	25	1218	4	9	5	1364	4	35	1670	270
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	104	0	0	0	19	0	0	12	10
Initial Fut:	12	5	25	1322	4	9	5	1383	4	35	1682	280
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	12	5	25	1322	4	9	5	1383	4	35	1682	280
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	12	5	25	1322	4	9	5	1383	4	35	1682	280
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	12	5	25	1322	4	9	5	1383	4	35	1682	280
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.89	0.89	0.89	0.93	0.93	0.93	0.88	0.88	0.88	0.69	0.69	0.69
Lanes:	0.29	0.12	0.59	1.98	0.01	0.01	0.01	1.98	0.01	0.05	2.53	0.42
Final Sat.:	497	199	995	3513	10	23	12	3315	9	69	3324	554
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.02	0.38	0.38	0.38	0.42	0.42	0.42	0.51	0.51	0.51
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.03	0.03	0.03	0.39	0.39	0.39	0.51	0.51	0.51	0.51	0.51	0.51
Volume/Cap:	0.98	0.98	0.98	0.98	0.98	0.98	0.81	0.81	0.81	0.98	0.98	0.98
Delay/Veh:	189.9	190	189.9	55.0	57.3	57.3	27.4	27.4	27.4	45.1	45.1	45.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	189.9	190	189.9	55.0	57.3	57.3	27.4	27.4	27.4	45.1	45.1	45.1
DesignQueue:	1	0	2	60	0	0	0	50	0	1	60	10

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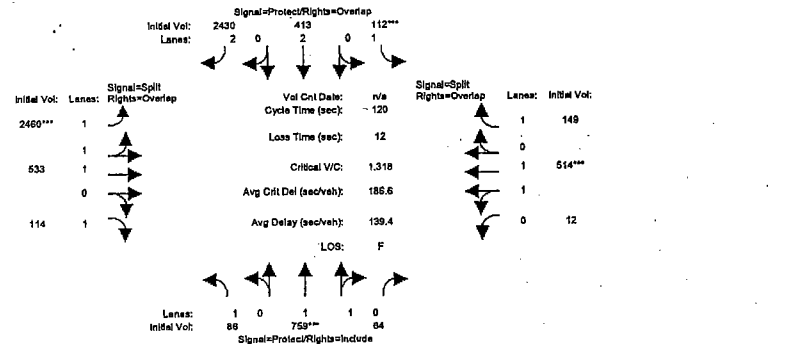
Intersection #15: Mission/Union [N/S: Union E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	10	4	20	982	3	7	4	1100	3	28	1347	218
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	12	5	25	1218	4	9	5	1364	4	35	1670	270
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	104	0	0	0	19	0	0	12	10
Initial Fut:	12	5	25	1322	4	9	5	1383	4	35	1682	280
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	12	5	25	1322	4	9	5	1383	4	35	1682	280
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	12	5	25	1322	4	9	5	1383	4	35	1682	280
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	12	5	25	1322	4	9	5	1383	4	35	1682	280
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.89	0.89	0.89	0.93	0.93	0.93	0.88	0.88	0.88	0.67	0.67	0.67
Lanes:	0.29	0.12	0.59	1.98	0.01	0.01	0.01	1.98	0.01	0.05	2.54	0.41
Final Sat.:	497	199	995	3513	10	23	11	3314	8	64	3253	519
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.02	0.38	0.38	0.38	0.46	0.46	0.46	0.54	0.54	0.54
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.02	0.02	0.02	0.37	0.37	0.37	0.53	0.53	0.53	0.53	0.53	0.53
Volume/Cap:	1.02	1.02	1.02	1.01	1.02	1.02	0.87	0.87	0.87	1.02	1.02	1.02
Delay/Veh:	205.1	205	205.1	65.5	68.2	68.2	29.5	29.5	29.5	53.9	53.9	53.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	205.1	205	205.1	65.5	68.2	68.2	29.5	29.5	29.5	53.9	53.9	53.9
DesignQueue:	1	0	2	61	0	0	0	53	0	1	61	10

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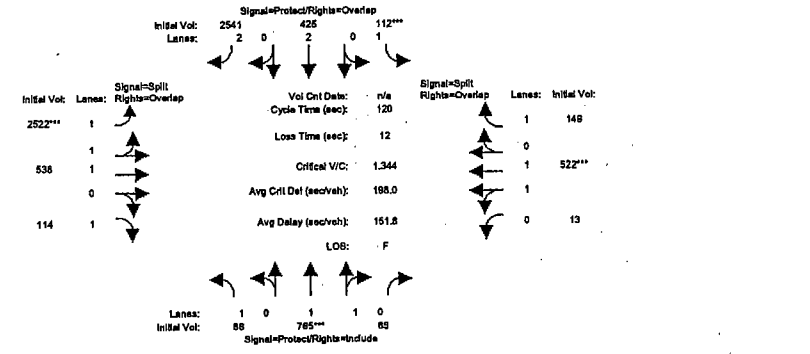
Intersection #16: Mission/Chestnut [N/S: Chestnut E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:	69	612	52	90	333	1866	1957	426	92	10	401	120
Base Vol:	69	612	52	90	333	1866	1957	426	92	10	401	120
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	86	759	64	112	413	2314	2427	528	114	12	497	149
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	0	116	33	5	0	17	0
Initial Fut:	86	759	64	112	413	2430	2460	533	114	12	514	149
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	86	759	64	112	413	2430	2460	533	114	12	514	149
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	86	759	64	112	413	2430	2460	533	114	12	514	149
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	86	759	64	112	413	2430	2460	533	114	12	514	149
Saturation Flow Module:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.92	0.92	0.91	0.91	0.72	0.88	0.88	0.82	0.93	0.93	0.83
Lanes:	1.00	1.84	0.16	1.00	2.00	2.00	2.00	1.00	1.00	0.05	1.95	1.00
Final Sat.:	1769	3222	274	1736	3473	2734	3337	1669	1554	83	3451	1583
Capacity Analysis Module:	0.05	0.24	0.24	0.06	0.12	0.89	0.74	0.32	0.07	0.15	0.15	0.09
Vol/Sat:	0.05	0.24	0.24	0.06	0.12	0.89	0.74	0.32	0.07	0.15	0.15	0.09
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.06	0.18	0.18	0.05	0.17	0.73	0.56	0.56	0.61	0.11	0.11	0.16
Volume/Cap:	0.88	1.32	1.32	1.32	0.69	1.21	1.32	0.57	0.12	1.32	1.32	0.58
Delay/Veh:	110.5	203	203.3	261.6	50.0	117.3	172.6	17.3	9.7	212.9	213	49.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	110.5	203	203.3	261.6	50.0	117.3	172.6	17.3	9.7	212.9	213	49.9
DesignQueue:	5	44	4	7	23	52	87	17	3	1	32	8

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Intersection #16: Mission/Chestnut [N/S: Chestnut E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:	69	612	52	90	333	1866	1957	426	92	10	401	120
Base Vol:	69	612	52	90	333	1866	1957	426	92	10	401	120
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	86	759	64	112	413	2314	2427	528	114	12	497	149
Added Vol:	0	6	1	0	12	111	62	5	0	1	8	0
Campus Incr:	0	0	0	0	0	0	116	33	5	0	17	0
Initial Fut:	86	765	65	112	425	2541	2522	538	114	13	522	149
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	86	765	65	112	425	2541	2522	538	114	13	522	149
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	86	765	65	112	425	2541	2522	538	114	13	522	149
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	86	765	65	112	425	2541	2522	538	114	13	522	149
Saturation Flow Module:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.92	0.92	0.91	0.91	0.72	0.88	0.88	0.82	0.93	0.93	0.83
Lanes:	1.00	1.84	0.16	1.00	2.00	2.00	2.00	1.00	1.00	0.05	1.95	1.00
Final Sat.:	1769	3220	276	1736	3473	2734	3334	1667	1554	88	3446	1583
Capacity Analysis Module:	0.05	0.24	0.24	0.06	0.12	0.93	0.76	0.32	0.07	0.15	0.15	0.09
Vol/Sat:	0.05	0.24	0.24	0.06	0.12	0.93	0.76	0.32	0.07	0.15	0.15	0.09
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.05	0.18	0.18	0.05	0.18	0.74	0.56	0.56	0.61	0.11	0.11	0.16
Volume/Cap:	0.99	1.34	1.34	1.34	0.70	1.26	1.34	0.57	0.12	1.34	1.34	0.59
Delay/Veh:	148.4	215	214.9	272.8	50.0	136.4	184.1	17.1	9.8	224.1	224	50.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	148.4	215	214.9	272.8	50.0	136.4	184.1	17.1	9.8	224.1	224	50.2
DesignQueue:	5	45	4	7	24	54	89	17	3	1	32	9

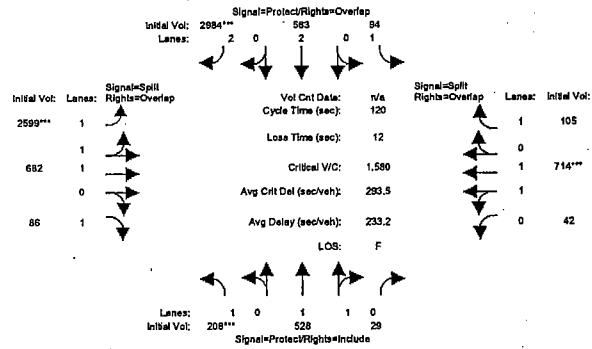


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Intersection #16: Mission/Chestnut [N/S: Chestnut E/W: Mission]



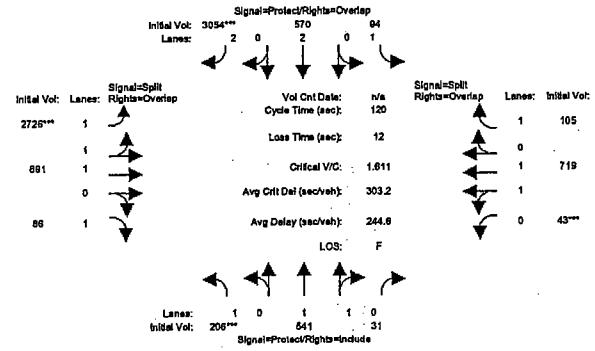
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	166	426	23	76	454	2352	2010	537	69	34	568	85
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	206	528	29	94	563	2916	2492	666	86	42	704	105
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	68	107	16	0	0	10	0
Initial Fut:	206	528	29	94	563	2984	2599	682	86	42	714	105
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	206	528	29	94	563	2984	2599	682	86	42	714	105
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	206	528	29	94	563	2984	2599	682	86	42	714	105
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	206	528	29	94	563	2984	2599	682	86	42	714	105
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.92	0.92	0.91	0.91	0.72	0.88	0.88	0.82	0.93	0.93	0.83
Lanes:	1.00	1.90	0.10	1.00	2.00	2.00	2.00	1.00	1.00	0.11	1.89	1.00
Final Sat.:	1769	3330	180	1736	3473	2734	3341	1670	1554	197	3331	1583
Capacity Analysis Module:												
Vol/Sat:	0.12	0.16	0.16	0.05	0.16	1.09	0.78	0.41	0.06	0.21	0.21	0.07
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.07	0.20	0.20	0.07	0.20	0.69	0.49	0.49	0.57	0.14	0.14	0.21
Volume/Cap:	1.58	0.78	0.78	0.78	0.82	1.58	1.58	0.83	0.10	1.58	1.58	0.32
Delay/Veh:	350.1	51.0	51.0	82.5	53.6	282.3	293.9	27.7	12.0	322.9	323	41.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	350.1	51.0	51.0	82.5	53.6	282.3	293.9	27.7	12.0	322.9	323	41.2
DesignQueue:	13	29	2	6	31	78	107	25	3	3	43	6

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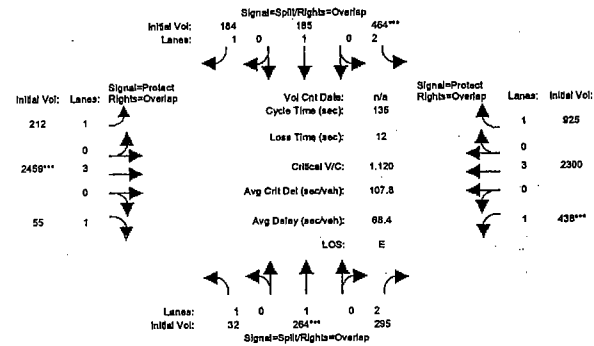
Intersection #16: Mission/Chestnut [N/S: Chestnut E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	166	426	23	76	454	2352	2010	537	69	34	568	85
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	206	528	29	94	563	2916	2492	666	86	42	704	105
Added Vol:	0	13	2	0	7	70	127	9	0	1	5	0
Campus Incr:	0	0	0	0	0	68	107	16	0	0	10	0
Initial Fut:	206	541	31	94	570	3054	2726	691	86	43	719	105
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	206	541	31	94	570	3054	2726	691	86	43	719	105
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	206	541	31	94	570	3054	2726	691	86	43	719	105
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	206	541	31	94	570	3054	2726	691	86	43	719	105
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.92	0.92	0.91	0.91	0.72	0.88	0.88	0.82	0.93	0.93	0.83
Lanes:	1.00	1.89	0.11	1.00	2.00	2.00	2.00	1.00	1.00	0.11	1.89	1.00
Final Sat.:	1769	3322	187	1736	3473	2734	3341	1670	1554	200	3328	1583
Capacity Analysis Module:												
Vol/Sat:	0.12	0.16	0.16	0.05	0.16	1.12	0.82	0.41	0.06	0.22	0.22	0.07
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.07	0.19	0.19	0.06	0.19	0.69	0.51	0.51	0.58	0.13	0.13	0.20
Volume/Cap:	1.61	0.84	0.84	0.84	0.88	1.61	1.61	0.82	0.10	1.61	1.61	0.33
Delay/Veh:	363.6	55.5	55.5	95.3	60.5	295.7	306.6	26.2	11.3	336.4	336	41.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	363.6	55.5	55.5	95.3	60.5	295.7	306.6	26.2	11.3	336.4	336	41.9
DesignQueue:	13	30	2	6	32	79	111	25	2	3	44	6

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2020 Baseline AM

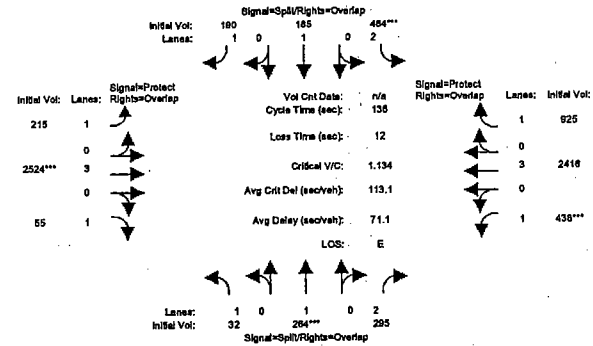
Intersection #17: Mission/River [N/S: River E/W: Mission]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	26	213	238	374	149	144	170	1957	44	353	1765	746
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	32	264	295	464	185	179	211	2427	55	438	2189	925
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	5	1	32	0	0	111	0
Initial Fut:	32	264	295	464	185	184	212	2459	55	438	2300	925
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	32	264	295	464	185	184	212	2459	55	438	2300	925
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	32	264	295	464	185	184	212	2459	55	438	2300	925
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	32	264	295	464	185	184	212	2459	55	438	2300	925
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.98	0.73	0.90	0.98	0.83	0.93	0.89	0.83	0.93	0.89	0.83
Lanes:	1.00	1.00	2.00	2.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1769	1862	2786	3432	1862	1583	1769	5083	1583	1769	5083	1583
Capacity Analysis Module:												
Vol/Sat:	0.02	0.14	0.11	0.14	0.10	0.12	0.12	0.48	0.03	0.25	0.45	0.58
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.13	0.13	0.35	0.12	0.12	0.23	0.11	0.43	0.56	0.22	0.54	0.66
Volume/Cap:	0.14	1.12	0.30	1.12	0.82	0.50	1.08	1.12	0.06	1.12	0.84	0.88
Delay/Veh:	46.9	147	28.7	133.8	72.5	41.2	140.1	94.9	12.1	129.0	25.4	25.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	46.9	147	28.7	133.8	72.5	41.2	140.1	94.9	12.1	129.0	25.4	25.4
DesignQueue:	2	16	13	28	11	10	13	105	2	24	79	24

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2020 Plus Phase 1 and 2 AM

Intersection #17: Mission/River [N/S: River E/W: Mission]



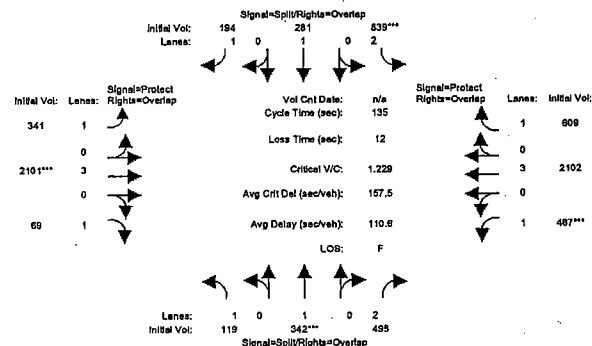
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	26	213	238	374	149	144	170	1957	44	353	1765	746
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	32	264	295	464	185	179	211	2427	55	438	2189	925
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	5	1	32	0	0	111	0
Initial Fut:	32	264	295	464	185	190	212	2524	55	438	2416	925
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	32	264	295	464	185	190	215	2524	55	438	2416	925
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	32	264	295	464	185	190	215	2524	55	438	2416	925
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	32	264	295	464	185	190	215	2524	55	438	2416	925
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.98	0.73	0.90	0.98	0.83	0.93	0.89	0.83	0.93	0.89	0.83
Lanes:	1.00	1.00	2.00	2.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1769	1862	2786	3432	1862	1583	1769	5083	1583	1769	5083	1583
Capacity Analysis Module:												
Vol/Sat:	0.02	0.14	0.11	0.14	0.10	0.12	0.12	0.50	0.03	0.25	0.48	0.58
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.13	0.13	0.34	0.12	0.12	0.23	0.11	0.44	0.56	0.22	0.54	0.66
Volume/Cap:	0.15	1.13	0.31	1.13	0.83	0.52	1.08	1.13	0.06	1.13	0.88	0.88
Delay/Veh:	47.1	152	29.1	139.3	74.4	41.5	138.7	100	11.9	134.5	27.3	25.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	47.1	152	29.1	139.3	74.4	41.5	138.7	100	11.9	134.5	27.3	25.5
DesignQueue:	2	16	13	28	11	10	13	107	2	24	83	24

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2020 Baseline PM

Intersection #17: Mission/River [N/S: River E/W: Mission]



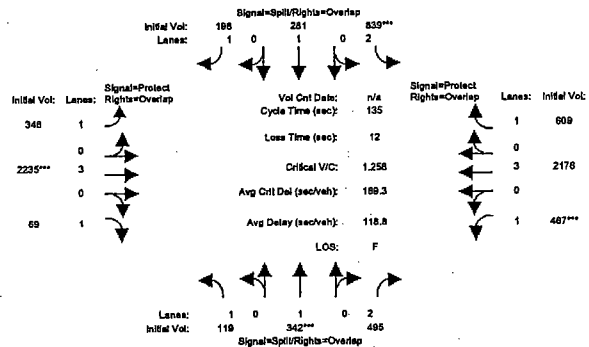
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	96	276	399	677	227	154	271	1611	56	377	1643	491
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	119	342	495	839	281	191	336	1998	69	467	2037	609
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	0	0	3	5	103	0	0	65	0
Initial Fut:	119	342	495	839	281	194	341	2101	69	467	2102	609
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	119	342	495	839	281	194	341	2101	69	467	2102	609
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	119	342	495	839	281	194	341	2101	69	467	2102	609
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	119	342	495	839	281	194	341	2101	69	467	2102	609
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.98	0.73	0.90	0.98	0.83	0.93	0.89	0.83	0.93	0.89	0.83
Lanes:	1.00	1.00	2.00	2.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1.769	1.862	2.786	3.432	1.862	1.583	1.769	5.083	1.583	1.769	5.083	1.583
Capacity Analysis Module:												
Vol/Sat:	0.07	0.18	0.18	0.24	0.15	0.12	0.19	0.41	0.04	0.26	0.41	0.38
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.15	0.15	0.36	0.20	0.20	0.37	0.18	0.34	0.49	0.22	0.38	0.58
Volume/Cap:	0.45	1.23	0.49	1.23	0.76	0.33	1.10	1.23	0.09	1.23	1.10	0.67
Delay/Veh:	47.7	181	29.8	163.6	54.2	27.1	130.0	148	16.6	171.2	91.0	19.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	47.7	181	29.8	163.6	54.2	27.1	130.0	148	16.6	171.2	91.0	19.5
DesignQueue:	7	20	22	48	16	8	20	103	2	26	99	19

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Level Of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2020 Plus Phase 1 and 2 PM

Intersection #17: Mission/River [N/S: River E/W: Mission]



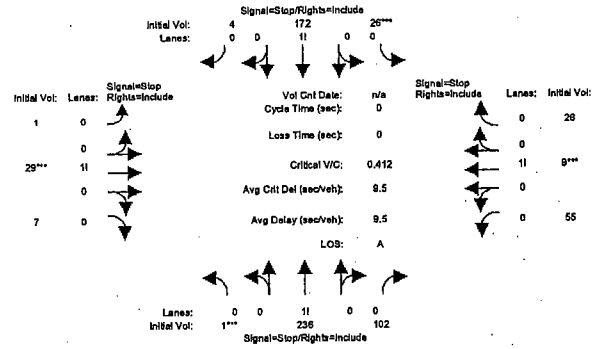
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	96	276	399	677	227	154	271	1611	56	377	1643	491
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	119	342	495	839	281	191	336	1998	69	467	2037	609
Added Vol:	0	0	0	0	0	4	7	134	0	0	74	0
Campus Incr:	0	0	0	0	0	3	5	103	0	0	65	0
Initial Fut:	119	342	495	839	281	198	348	2235	69	467	2176	609
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	119	342	495	839	281	198	348	2235	69	467	2176	609
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	119	342	495	839	281	198	348	2235	69	467	2176	609
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	119	342	495	839	281	198	348	2235	69	467	2176	609
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.98	0.73	0.90	0.98	0.83	0.93	0.89	0.83	0.93	0.89	0.83
Lanes:	1.00	1.00	2.00	2.00	1.00	1.00	1.00	3.00	1.00	1.00	3.00	1.00
Final Sat.:	1.769	1.862	2.786	3.432	1.862	1.583	1.769	5.083	1.583	1.769	5.083	1.583
Capacity Analysis Module:												
Vol/Sat:	0.07	0.18	0.18	0.24	0.15	0.13	0.20	0.44	0.04	0.26	0.43	0.38
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.15	0.15	0.36	0.19	0.19	0.37	0.18	0.35	0.50	0.21	0.38	0.58
Volume/Cap:	0.46	1.26	0.50	1.26	0.78	0.34	1.12	1.26	0.09	1.26	1.12	0.67
Delay/Veh:	48.2	194	30.6	176.4	56.1	27.5	135.7	160	16.0	183.7	97.3	19.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	48.2	194	30.6	176.4	56.1	27.5	135.7	160	16.0	183.7	97.3	19.3
DesignQueue:	7	20	22	48	16	9	20	108	2	26	99	19

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2000 HCM 4-Way Stop (Future Volume Alternative)  
2020 Baseline AM

Intersection #18: Western/Meder [N/S: Western E/W: Meder]



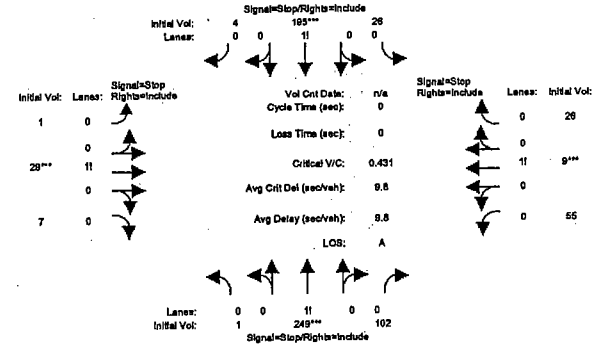
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	1	177	82	21	135	3	1	23	6	44	7	21
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	1	219	102	26	167	4	1	29	7	55	9	26
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	17	0	0	5	0	0	0	0	0	0	0
Initial Fut:	1	236	102	26	172	4	1	29	7	55	9	26
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1	236	102	26	172	4	1	29	7	55	9	26
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	236	102	26	172	4	1	29	7	55	9	26
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	1	236	102	26	172	4	1	29	7	55	9	26
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.01	0.69	0.30	0.13	0.85	0.02	0.03	0.77	0.20	0.61	0.10	0.29
Final Sat.:	3	575	247	98	649	14	21	492	128	399	63	190
Capacity Analysis Module:												
Vol/Sat:	0.41	0.41	0.41	0.27	0.27	0.27	0.06	0.06	0.06	0.14	0.14	0.14
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	10.1	10.1	10.1	9.2	9.2	9.2	8.3	8.3	8.3	8.8	8.8	8.8
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	10.1	10.1	10.1	9.2	9.2	9.2	8.3	8.3	8.3	8.8	8.8	8.8
LOS by Move:	B	B	B	A	A	A	A	A	A	A	A	A
ApproachDel:	10.1			9.2			8.3			8.8		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	10.1			9.2			8.3			8.8		
LOS by Appr:	B			A			A			A		

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Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2020 Plus Phase 1 and 2 AM

Intersection #18: Western/Meder [N/S: Western E/W: Meder]



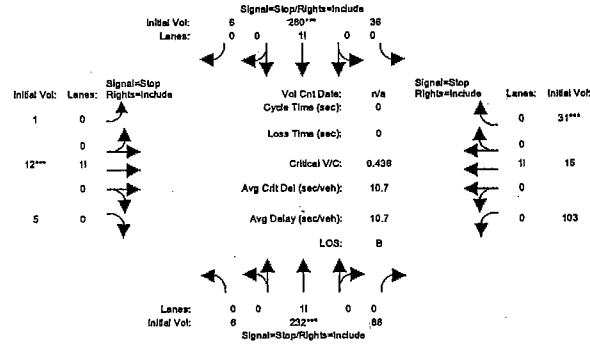
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	1	177	82	21	135	3	1	23	6	44	7	21
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	1	219	102	26	167	4	1	29	7	55	9	26
Added Vol:	0	13	0	0	23	0	0	0	0	0	0	0
Campus Incr:	0	17	0	0	5	0	0	0	0	0	0	0
Initial Fut:	1	249	102	26	195	4	1	29	7	55	9	26
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	1	249	102	26	195	4	1	29	7	55	9	26
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	249	102	26	195	4	1	29	7	55	9	26
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	1	249	102	26	195	4	1	29	7	55	9	26
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.01	0.70	0.29	0.11	0.87	0.02	0.03	0.77	0.20	0.61	0.10	0.29
Final Sat.:	3	579	236	88	658	13	21	481	125	391	62	187
Capacity Analysis Module:												
Vol/Sat:	0.43	0.43	0.43	0.30	0.30	0.30	0.06	0.06	0.06	0.14	0.14	0.14
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	10.4	10.4	10.4	9.4	9.4	9.4	8.4	8.4	8.4	8.9	8.9	8.9
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	10.4	10.4	10.4	9.4	9.4	9.4	8.4	8.4	8.4	8.9	8.9	8.9
LOS by Move:	B	B	B	A	A	A	A	A	A	A	A	A
ApproachDel:	10.4			9.4			8.4			8.9		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	10.4			9.4			8.4			8.9		
LOS by Appr:	B			A			A			A		

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November 2003

Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2020 Baseline PM

Intersection #18: Western/Meder (N/S: Western E/W: Meder)



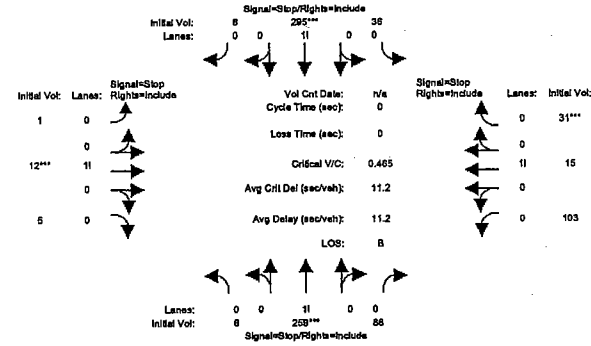
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	5	179	71	29	213	5	1	10	4	83	12	25
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	6	222	88	36	264	6	1	12	5	103	15	31
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	10	0	0	16	0	0	0	0	0	0	0
Initial Fut:	6	232	88	36	280	6	1	12	5	103	15	31
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	6	232	88	36	280	6	1	12	5	103	15	31
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	232	88	36	280	6	1	12	5	103	15	31
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	6	232	88	36	280	6	1	12	5	103	15	31
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.02	0.71	0.27	0.11	0.87	0.02	0.06	0.67	0.27	0.69	0.10	0.21
Final Sat.:	15	544	206	82	642	14	39	385	154	426	62	128
Capacity Analysis Module:												
Vol/Sat:	0.43	0.43	0.43	0.44	0.44	0.44	0.03	0.03	0.03	0.24	0.24	0.24
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	10.8	10.8	10.8	11.2	11.2	11.2	8.6	8.6	8.6	9.9	9.9	9.9
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	10.8	10.8	10.8	11.2	11.2	11.2	8.6	8.6	8.6	9.9	9.9	9.9
LOS by Move:	B	B	B	B	B	B	A	A	A	A	A	A
ApproachDel:	10.8			11.2			8.6			9.9		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	10.8			11.2			8.6			9.9		
LOS by Appr:	B			B			A			A		

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Level Of Service Computation Report  
2000 HCM 4-Way Stop (Future Volume Alternative)  
2020 Plus Phase 1 and 2 PM

Intersection #18: Western/Meder (N/S: Western E/W: Meder)



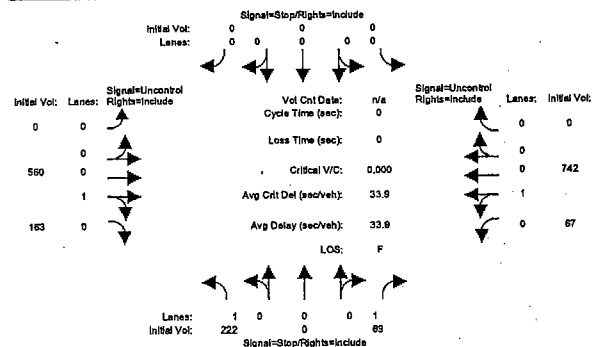
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	5	179	71	29	213	5	1	10	4	83	12	25
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	6	222	88	36	264	6	1	12	5	103	15	31
Added Vol:	0	27	0	0	15	0	0	0	0	0	0	0
Campus Incr:	0	10	0	0	16	0	0	0	0	0	0	0
Initial Fut:	6	259	88	36	295	6	1	12	5	103	15	31
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	6	259	88	36	295	6	1	12	5	103	15	31
Reduced Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	259	88	36	295	6	1	12	5	103	15	31
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	6	259	88	36	295	6	1	12	5	103	15	31
Saturation Flow Module:												
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Lanes:	0.02	0.73	0.25	0.11	0.87	0.02	0.06	0.67	0.27	0.69	0.10	0.21
Final Sat.:	13	557	189	78	642	13	37	374	150	417	60	126
Capacity Analysis Module:												
Vol/Sat:	0.47	0.47	0.47	0.46	0.46	0.46	0.03	0.03	0.03	0.25	0.25	0.25
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Delay/Veh:	11.4	11.4	11.4	11.6	11.6	11.6	8.7	8.7	8.7	10.0	10.0	10.0
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	11.4	11.4	11.4	11.6	11.6	11.6	8.7	8.7	8.7	10.0	10.0	10.0
LOS by Move:	B	B	B	B	B	B	A	A	A	B	B	B
ApproachDel:	11.4			11.6			8.7			10.0		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	11.4			11.6			8.7			10.0		
LOS by Appr:	B			B			A			B		

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2020 Baseline AM

Intersection #19: High/Western [N/S: Western E/w: High]



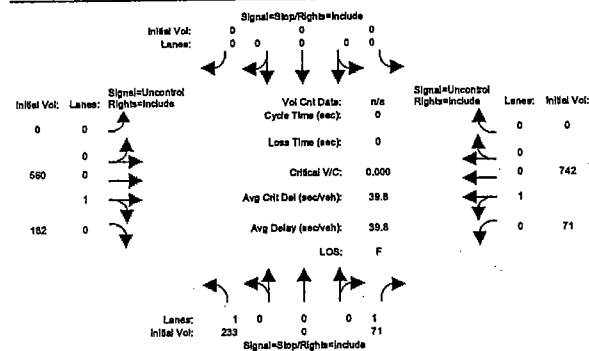
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	169	0	52	0	0	0	0	432	128	53	546	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	210	0	64	0	0	0	0	536	159	66	677	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	12	0	5	0	0	0	0	24	4	1	65	0
Initial Fut:	222	0	69	0	0	0	0	560	163	67	742	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	222	0	69	0	0	0	0	560	163	67	742	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol:	222	0	69	0	0	0	0	560	163	67	742	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	1517	XXXX	641	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	722	XXXX	XXXX
Potent Cap.:	133	XXXX	478	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	889	XXXX	XXXX
Move Cap.:	125	XXXX	478	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	889	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	439.6	XXXX	13.8	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	9.4	XXXX	XXXX
LOS by Move:	F	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	9.4	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	338.0											
ApproachLOS:	F											

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2020 Plus Phase 1 and 2 AM

Intersection #19: High/Western [N/S: Western E/w: High]



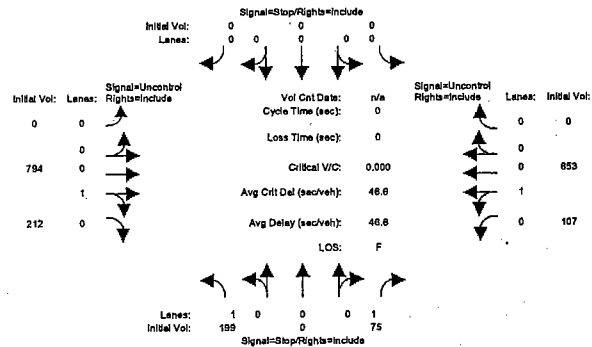
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	169	0	52	0	0	0	0	432	128	53	546	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	210	0	64	0	0	0	0	536	159	66	677	0
Added Vol:	11	0	2	0	0	0	0	0	0	19	4	0
Campus Incr:	12	0	5	0	0	0	0	24	4	1	65	0
Initial Fut:	233	0	71	0	0	0	0	560	182	71	742	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	233	0	71	0	0	0	0	560	182	71	742	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol:	233	0	71	0	0	0	0	560	182	71	742	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	1534	XXXX	651	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	741	XXXX	XXXX
Potent Cap.:	129	XXXX	472	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	875	XXXX	XXXX
Move Cap.:	121	XXXX	472	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	875	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	503.4	XXXX	14.0	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	9.5	XXXX	XXXX
LOS by Move:	F	*	B	*	*	*	*	*	*	A	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	9.5	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	A	*	*
ApproachDel:	388.4											
ApproachLOS:	F											

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Unsignalized Future Volume Alternative  
2020 Base Case PM

Intersection #19: High/Western (N/S: Western E/W: High)



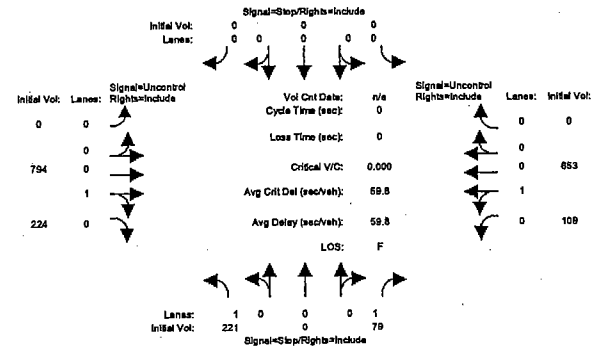
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	155	0	58	0	0	0	0	590	162	82	492	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	192	0	72	0	0	0	0	732	201	102	610	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	7	0	3	0	0	0	0	62	11	5	43	0
Initial Fut:	199	0	75	0	0	0	0	794	212	107	653	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	199	0	75	0	0	0	0	794	212	107	653	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	199	0	75	0	0	0	0	794	212	107	653	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	1766	XXXX	906	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1005	XXXX	XXXX
Potent Cap.:	93	XXXX	340	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	697	XXXX	XXXX
Move Cap.:	82	XXXX	340	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	697	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	765.8	XXXX	18.5	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	11.1	XXXX	XXXX
LOS by Move:	F	*	C	*	*	*	*	*	*	B	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	11.1	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	B	*	*
ApproachDel:	561.5			XXXXXX			XXXXXX			XXXXXX		
ApproachLOS:	F			*			*			*		

Marine Science Center

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Level Of Service Computation Report  
2000 HCM Unsignalized Future Volume Alternative  
2020 Plus Phase 1 and 2 PM

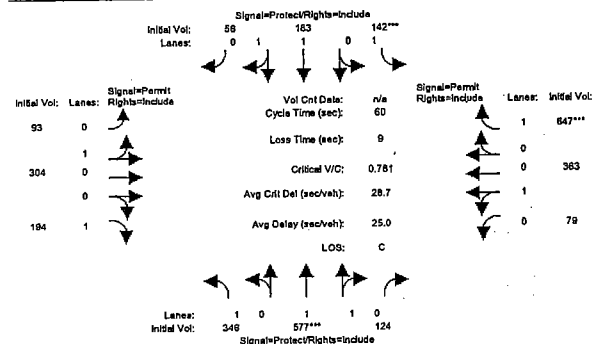
Intersection #19: High/Western (N/S: Western E/W: High)



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	155	0	58	0	0	0	0	590	162	82	492	0
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	192	0	72	0	0	0	0	732	201	102	610	0
Added Vol:	22	0	4	0	0	0	0	0	0	12	2	0
Campus Incr:	7	0	3	0	0	0	0	62	11	5	43	0
Initial Fut:	221	0	79	0	0	0	0	794	224	109	653	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	221	0	79	0	0	0	0	794	224	109	653	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	221	0	79	0	0	0	0	794	224	109	653	0
Critical Gap Module:												
Critical Gp:	6.4	XXXX	6.2	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	4.1	XXXX	XXXX
FollowUpTim:	3.5	XXXX	3.3	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	2.2	XXXX	XXXX
Capacity Module:												
Cnflct Vol:	1776	XXXX	906	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	1017	XXXX	XXXX
Potent Cap.:	92	XXXX	338	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	690	XXXX	XXXX
Move Cap.:	80	XXXX	338	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	690	XXXX	XXXX
Level Of Service Module:												
Stopped Del:	908.4	XXXX	18.9	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	11.2	XXXX	XXXX
LOS by Move:	F	*	C	*	*	*	*	*	*	B	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
Shrd StpDel:	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX	11.2	XXXX	XXXX
Shared LOS:	*	*	*	*	*	*	*	*	*	B	*	*
ApproachDel:	674.5			XXXXXX			XXXXXX			XXXXXX		
ApproachLOS:	F			*			*			*		

Marine Science Center  
November 2003  
Level of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2020 Baseline AM

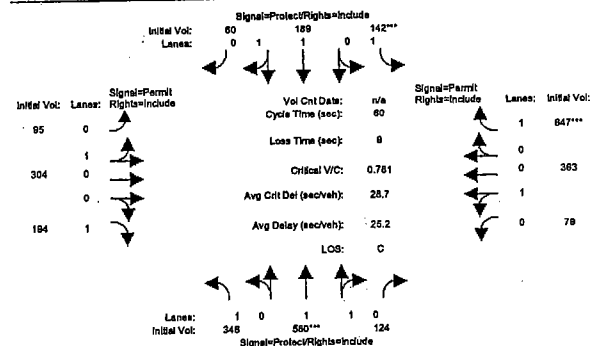
Intersection #20: High/Bay [N/S: Bay E/w: High]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	241	405	100	97	131	43	66	241	146	64	279	458
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	299	502	124	120	162	53	82	299	181	79	346	568
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	47	75	0	22	21	3	11	5	13	0	17	79
Initial Fut:	346	577	124	142	183	56	93	304	194	79	363	647
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	346	577	124	142	183	56	93	304	194	79	363	647
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	346	577	124	142	183	56	93	304	194	79	363	647
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	346	577	124	142	183	56	93	304	194	79	363	647
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.91	0.91	0.93	0.90	0.90	0.74	0.74	0.83	0.85	0.85	0.83
Lanes:	1.00	1.65	0.35	1.00	1.53	0.47	0.23	0.77	1.00	0.18	0.82	1.00
Final Sat.:	1769	2834	609	1769	2612	802	331	1082	1583	289	1323	1583
Capacity Analysis Module:												
Vol/Sat:	0.20	0.20	0.20	0.08	0.07	0.07	0.28	0.28	0.12	0.27	0.27	0.41
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.27	0.26	0.26	0.10	0.10	0.10	0.52	0.52	0.52	0.52	0.52	0.52
Volume/Cap:	0.73	0.78	0.78	0.78	0.73	0.73	0.54	0.54	0.23	0.52	0.52	0.78
Delay/Veh:	32.4	31.9	31.9	54.2	43.2	43.2	13.4	13.4	10.5	13.1	13.1	20.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	32.4	31.9	31.9	54.2	43.2	43.2	13.4	13.4	10.5	13.1	13.1	20.2
DesignQueue:	12	20	4	6	7	2	2	7	4	2	8	15

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2020 Plus Phase 1 and 2 AM

Intersection #20: High/Bay [N/S: Bay E/w: High]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	241	405	100	97	131	43	66	241	146	64	279	458
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	299	502	124	120	162	53	82	299	181	79	346	568
Added Vol:	0	3	0	0	6	4	2	0	0	0	0	0
Campus Incr:	47	75	0	22	21	3	11	5	13	0	17	79
Initial Fut:	346	580	124	142	189	60	95	304	194	79	363	647
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	346	580	124	142	189	60	95	304	194	79	363	647
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	346	580	124	142	189	60	95	304	194	79	363	647
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	346	580	124	142	189	60	95	304	194	79	363	647
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.91	0.91	0.93	0.90	0.90	0.73	0.73	0.83	0.85	0.85	0.83
Lanes:	1.00	1.65	0.35	1.00	1.52	0.48	0.24	0.76	1.00	0.18	0.82	1.00
Final Sat.:	1769	2839	607	1769	2587	824	331	1061	1583	289	1323	1583
Capacity Analysis Module:												
Vol/Sat:	0.20	0.20	0.20	0.08	0.07	0.07	0.29	0.29	0.12	0.27	0.27	0.41
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.27	0.26	0.26	0.10	0.10	0.10	0.52	0.52	0.52	0.52	0.52	0.52
Volume/Cap:	0.74	0.78	0.78	0.78	0.74	0.74	0.55	0.55	0.23	0.52	0.52	0.78
Delay/Veh:	32.9	31.9	31.9	54.3	43.3	43.3	13.6	13.6	10.5	13.1	13.1	20.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	32.9	31.9	31.9	54.3	43.3	43.3	13.6	13.6	10.5	13.1	13.1	20.2
DesignQueue:	12	20	4	6	8	2	2	7	4	2	8	15

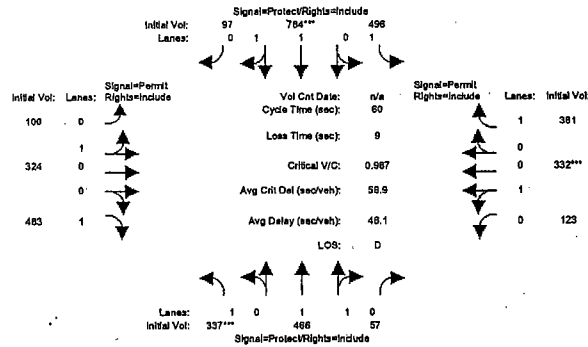


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2020 Baseline PM

Intersection #20: High/Bay [N/S: Bay E/w: High]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	249	340	46	341	577	70	75	249	355	99	260	254
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	309	422	57	423	715	87	93	309	440	123	322	315
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	28	44	0	73	69	10	7	15	43	0	10	46
Initial Fut:	337	466	57	496	784	97	100	324	483	123	332	361
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	337	466	57	496	784	97	100	324	483	123	332	361
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	337	466	57	496	784	97	100	324	483	123	332	361
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	337	466	57	496	784	97	100	324	483	123	332	361

Saturation Flow Module:	1900			1900			1900			1900		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.92	0.92	0.93	0.92	0.92	0.60	0.60	0.83	0.58	0.58	0.83
Lanes:	1.00	1.78	0.22	1.00	1.78	0.22	0.24	0.76	1.00	0.27	0.73	1.00
Final Sat.:	1769	3101	380	1769	3099	382	268	868	1583	296	801	1583

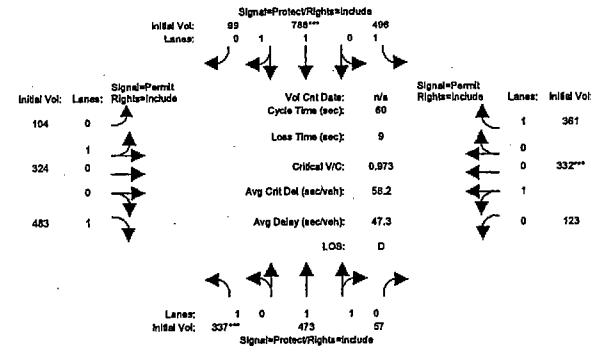
Capacity Analysis Module:	0.19 0.15 0.15			0.28 0.25 0.25			0.37 0.37 0.31			0.42 0.42 0.23		
Vol/Sat:	0.19	0.15	0.15	0.28	0.25	0.25	0.37	0.37	0.31	0.42	0.42	0.23
Crit Moves:	****											
Green/Cycle:	0.20	0.16	0.16	0.30	0.26	0.26	0.43	0.43	0.43	0.43	0.43	0.43
Volume/Cap:	0.97	0.94	0.94	0.94	0.97	0.97	0.87	0.87	0.71	0.97	0.97	0.53
Delay/Veh:	71.3	57.2	57.2	52.2	51.3	51.3	36.2	36.2	22.3	55.4	55.4	17.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	71.3	57.2	57.2	52.2	51.3	51.3	36.2	36.2	22.3	55.4	55.4	17.7
DesignQueue:	13	18	2	17	27	3	3	9	13	3	9	10

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2020 Plus Phase 1 and 2 PM

Intersection #20: High/Bay [N/S: Bay E/w: High]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	249	340	46	341	577	70	75	249	355	99	260	254
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	309	422	57	423	715	87	93	309	440	123	322	315
Added Vol:	0	7	0	0	4	2	4	0	0	0	0	0
Campus Incr:	28	44	0	73	69	10	7	15	43	0	10	46
Initial Fut:	337	473	57	496	788	99	104	324	483	123	332	361
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	337	473	57	496	788	99	104	324	483	123	332	361
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	337	473	57	496	788	99	104	324	483	123	332	361
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	337	473	57	496	788	99	104	324	483	123	332	361

Saturation Flow Module:	1900			1900			1900			1900		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.92	0.92	0.93	0.92	0.92	0.59	0.59	0.83	0.57	0.57	0.83
Lanes:	1.00	1.78	0.22	1.00	1.78	0.22	0.24	0.76	1.00	0.27	0.73	1.00
Final Sat.:	1769	3106	375	1769	3090	387	273	848	1583	294	795	1583

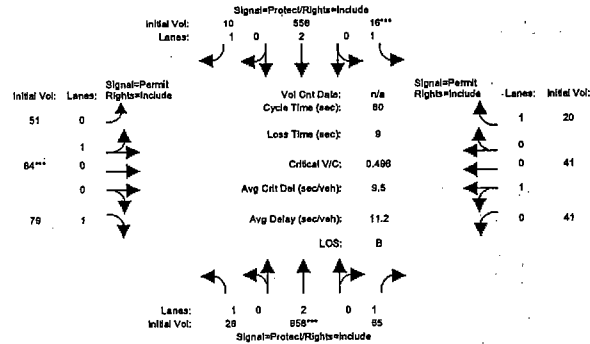
Capacity Analysis Module:	0.19 0.15 0.15			0.28 0.26 0.26			0.38 0.38 0.31			0.42 0.42 0.23		
Vol/Sat:	0.19	0.15	0.15	0.28	0.26	0.26	0.38	0.38	0.31	0.42	0.42	0.23
Crit Moves:	****											
Green/Cycle:	0.20	0.16	0.16	0.30	0.26	0.26	0.43	0.43	0.43	0.43	0.43	0.43
Volume/Cap:	0.97	0.94	0.94	0.94	0.97	0.97	0.89	0.89	0.71	0.97	0.97	0.53
Delay/Veh:	72.9	58.1	58.1	53.5	52.5	52.5	39.1	39.1	22.3	56.8	56.8	17.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	72.9	58.1	58.1	53.5	52.5	52.5	39.1	39.1	22.3	56.8	56.8	17.7
DesignQueue:	13	18	2	17	28	3	3	9	13	3	9	10

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2020 Baseline Alt

Intersection #21: Bay/lowa [N/S: Bay E/w: Iowa]



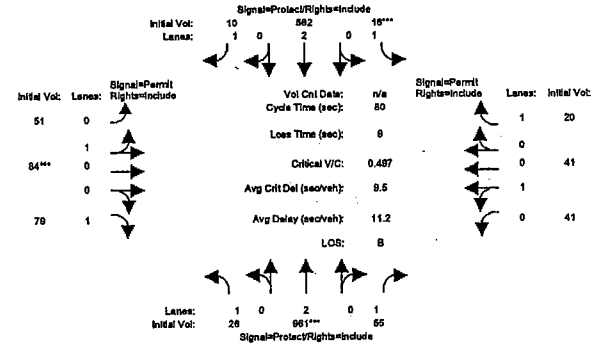
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	21	674	44	13	421	8	41	68	64	33	33	16
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	26	836	55	16	522	10	51	84	79	41	41	20
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	122	0	0	34	0	0	0	0	0	0	0
Initial Fut:	26	958	55	16	556	10	51	84	79	41	41	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
PHF Volume:	31	1154	66	19	670	12	61	102	96	49	49	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	31	1154	66	19	670	12	61	102	96	49	49	24
PCR Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	31	1154	66	19	670	12	61	102	96	49	49	24
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.83	0.93	0.93	0.83	0.83	0.83	0.83	0.78	0.78	0.83
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	0.38	0.62	1.00	0.50	0.50	1.00
Final Sat.:	1769	3538	1583	1769	3538	1583	595	987	1583	736	736	1583
Capacity Analysis Module:												
Vol/Sat:	0.02	0.33	0.04	0.01	0.19	0.01	0.10	0.10	0.06	0.07	0.07	0.02
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.06	0.66	0.66	0.02	0.62	0.62	0.21	0.21	0.21	0.21	0.21	0.21
Volume/Cap:	0.30	0.50	0.06	0.50	0.30	0.01	0.50	0.50	0.29	0.32	0.32	0.07
Delay/Veh:	37.8	7.1	4.9	48.2	7.1	5.8	29.2	29.2	27.2	27.5	27.5	25.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.8	7.1	4.9	48.2	7.1	5.8	29.2	29.2	27.2	27.5	27.5	25.6
DesignQueue:	1	19	1	1	12	0	2	4	3	2	2	1

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2000 HCM Operations (Future Volume Alternative)  
2020 Plus Phase 1 and 2 AM

Intersection #21: Bay/lowa [N/S: Bay E/w: Iowa]



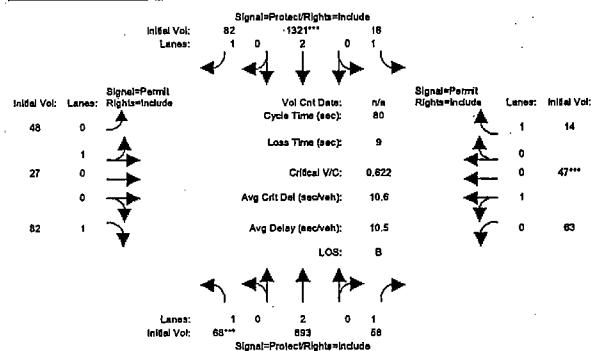
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	21	674	44	13	421	8	41	68	64	33	33	16
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	26	836	55	16	522	10	51	84	79	41	41	20
Added Vol:	0	3	0	0	6	0	0	0	0	0	0	0
Campus Incr:	0	122	0	0	34	0	0	0	0	0	0	0
Initial Fut:	26	961	55	16	562	10	51	84	79	41	41	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
PHF Volume:	31	1158	66	19	677	12	61	102	96	49	49	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	31	1158	66	19	677	12	61	102	96	49	49	24
PCR Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	31	1158	66	19	677	12	61	102	96	49	49	24
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.83	0.93	0.93	0.83	0.83	0.83	0.83	0.77	0.77	0.83
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	0.38	0.62	1.00	0.50	0.50	1.00
Final Sat.:	1769	3538	1583	1769	3538	1583	595	987	1583	735	735	1583
Capacity Analysis Module:												
Vol/Sat:	0.02	0.33	0.04	0.01	0.19	0.01	0.10	0.10	0.06	0.07	0.07	0.02
Crit Moves:	****	****	****	****	****	****	****	****	****	****	****	****
Green/Cycle:	0.06	0.66	0.66	0.02	0.62	0.62	0.21	0.21	0.21	0.21	0.21	0.21
Volume/Cap:	0.31	0.50	0.06	0.50	0.31	0.01	0.50	0.50	0.29	0.32	0.32	0.07
Delay/Veh:	37.9	7.1	4.9	48.3	7.1	5.7	29.2	29.2	27.3	27.6	27.6	25.6
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	37.9	7.1	4.9	48.3	7.1	5.7	29.2	29.2	27.3	27.6	27.6	25.6
DesignQueue:	1	19	1	1	12	0	2	4	3	2	2	1

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2020 Baseline PM

Intersection #21: Bay/lowa [N/S: Bay E/W: lowa]



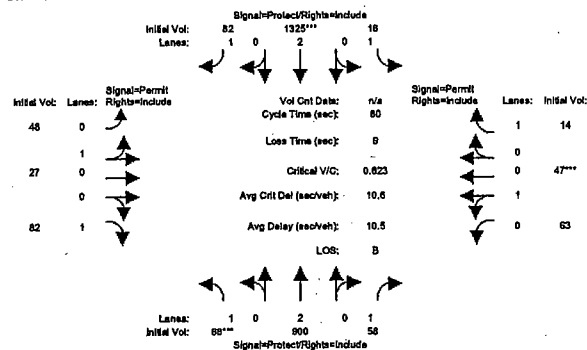
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	55	663	47	13	975	66	39	22	66	51	38	11
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	68	822	58	16	1209	82	48	27	82	63	47	14
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	71	0	0	112	0	0	0	0	0	0	0
Initial Fut:	68	893	58	16	1321	82	48	27	82	63	47	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
PHF Volume:	77	1004	65	18	1484	92	54	31	92	71	53	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	77	1004	65	18	1484	92	54	31	92	71	53	15
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	77	1004	65	18	1484	92	54	31	92	71	53	15
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.83	0.93	0.93	0.83	0.65	0.65	0.83	0.73	0.73	0.83
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	0.64	0.36	1.00	0.57	0.43	1.00
Final Sat.:	1769	3538	1583	1769	3538	1583	794	448	1583	798	595	1583
Capacity Analysis Module:												
Vol/Sat:	0.04	0.28	0.04	0.01	0.42	0.06	0.07	0.07	0.06	0.09	0.09	0.01
Crit Moves:	****			****			****			****		
Green/Cycle:	0.07	0.72	0.72	0.03	0.67	0.67	0.14	0.14	0.14	0.14	0.14	0.14
Volume/Cap:	0.62	0.39	0.06	0.39	0.62	0.09	0.48	0.48	0.41	0.62	0.62	0.07
Delay/Veh:	45.6	4.5	3.3	43.9	7.8	4.5	33.5	33.5	32.4	38.2	38.2	29.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	45.6	4.5	3.3	43.9	7.8	4.5	33.5	33.5	32.4	38.2	38.2	29.8
DesignQueue:	3	14	1	1	24	1	2	1	4	3	2	1

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Level Of Service Computation Report  
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Intersection #21: Bay/lowa [N/S: Bay E/W: lowa]

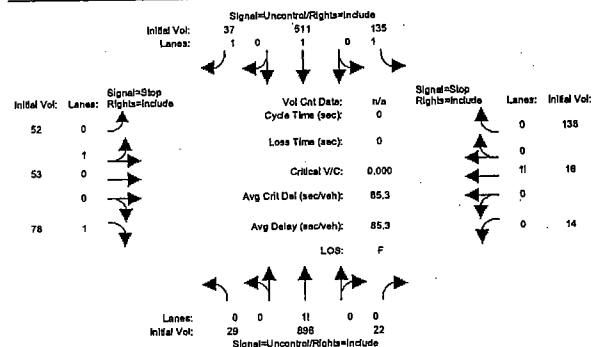


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	55	663	47	13	975	66	39	22	66	51	38	11
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	68	822	58	16	1209	82	48	27	82	63	47	14
Added Vol:	0	7	0	0	4	0	0	0	0	0	0	0
Campus Incr:	0	71	0	0	112	0	0	0	0	0	0	0
Initial Fut:	68	900	58	16	1325	82	48	27	82	63	47	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
PHF Volume:	77	1011	65	18	1489	92	54	31	92	71	53	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	77	1011	65	18	1489	92	54	31	92	71	53	15
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	77	1011	65	18	1489	92	54	31	92	71	53	15
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.93	0.83	0.93	0.93	0.83	0.65	0.65	0.83	0.73	0.73	0.83
Lanes:	1.00	2.00	1.00	1.00	2.00	1.00	0.64	0.36	1.00	0.57	0.43	1.00
Final Sat.:	1769	3538	1583	1769	3538	1583	793	447	1583	798	595	1583
Capacity Analysis Module:												
Vol/Sat:	0.04	0.29	0.04	0.01	0.42	0.06	0.07	0.07	0.06	0.09	0.09	0.01
Crit Moves:	****			****			****			****		
Green/Cycle:	0.07	0.72	0.72	0.03	0.68	0.68	0.14	0.14	0.14	0.14	0.14	0.14
Volume/Cap:	0.62	0.40	0.06	0.40	0.62	0.09	0.48	0.48	0.41	0.62	0.62	0.07
Delay/Veh:	45.8	4.5	3.3	44.0	7.8	4.5	33.6	33.6	32.4	38.3	38.3	29.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	45.8	4.5	3.3	44.0	7.8	4.5	33.6	33.6	32.4	38.3	38.3	29.8
DesignQueue:	3	14	1	1	24	1	2	1	4	3	2	1

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2020 Baseline AM

Intersection #22: Bay/Escalona [N/S: Bay E/w: Escalona]

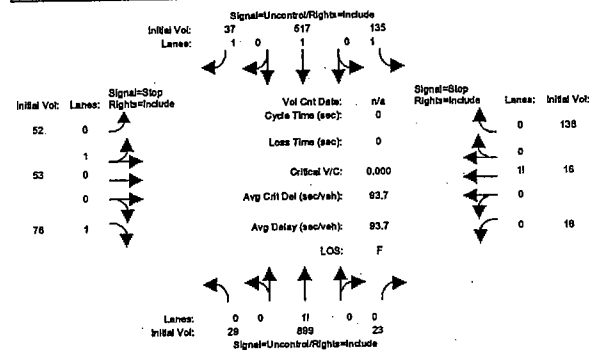


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:	23	640	18	108	389	27	30	43	63	11	13	107
Base Vol:	23	640	18	108	389	27	30	43	63	11	13	107
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	29	794	22	134	482	33	37	53	78	14	16	133
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	102	0	1	29	4	15	0	0	0	0	5
Initial Fut:	29	896	22	135	511	37	52	53	78	14	16	138
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	29	896	22	135	511	37	52	53	78	14	16	138
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	29	896	22	135	511	37	52	53	78	14	16	138
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx	7.1	6.5	6.2	7.1	6.5	6.2
FollowUpTim:	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx	3.5	4.0	3.3	3.5	4.0	3.3
Capacity Module:												
Cnflct Vol:	549	xxxx	xxxxx	918	xxxx	xxxxx	1822	1756	511	1829	1782	907
Potent Cap.:	1031	xxxx	xxxxx	752	xxxx	xxxxx	60	86	566	60	83	337
Move Cap.:	1031	xxxx	xxxxx	752	xxxx	xxxxx	25	69	566	16	66	337
Level Of Service Module:												
Stopped Del:	8.6	xxxx	xxxxx	10.8	xxxx	xxxxx	xxxxx	xxxx	12.4	xxxxx	xxxx	xxxxx
LOS by Move:	A	*	*	B	*	*	*	*	B	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	36	xxxx	xxxxx	xxxx	111	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	1088	xxxx	xxxxx	337	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	F	*	*	F	*	*
ApproachDel:	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	630.2	xxxxxx	xxxxxx	337.2	xxxxxx	
ApproachLOS:	*	*	*	*	*	*	F	*	*	F	*	

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2020 Plus Phase 1 and 2 AM

Intersection #22: Bay/Escalona [N/S: Bay E/w: Escalona]



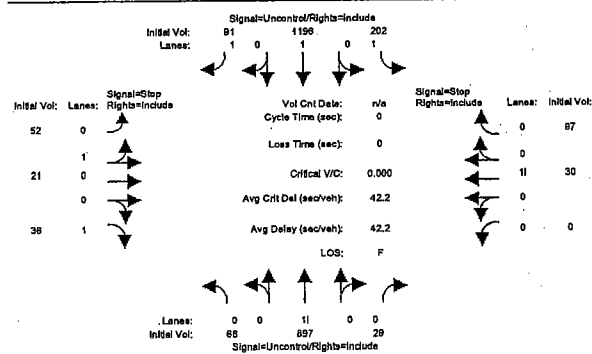
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:	52	0	1	53	0	0	78	1	0	52	0	138
Base Vol:	52	0	1	53	0	0	78	1	0	52	0	138
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	29	794	22	134	482	33	37	53	78	14	16	133
Added Vol:	0	3	1	0	6	0	0	0	0	0	0	0
Campus Incr:	0	102	0	1	29	4	15	0	0	0	0	5
Initial Fut:	29	899	23	135	517	37	52	53	78	16	16	138
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	29	899	23	135	517	37	52	53	78	16	16	138
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	29	899	23	135	517	37	52	53	78	16	16	138
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx	7.1	6.5	6.2	7.1	6.5	6.2
FollowUpTim:	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx	3.5	4.0	3.3	3.5	4.0	3.3
Capacity Module:												
Cnflct Vol:	555	xxxx	xxxxx	922	xxxx	xxxxx	1831	1766	517	1839	1792	910
Potent Cap.:	1026	xxxx	xxxxx	749	xxxx	xxxxx	59	85	562	59	82	335
Move Cap.:	1026	xxxx	xxxxx	749	xxxx	xxxxx	24	67	562	15	65	335
Level Of Service Module:												
Stopped Del:	8.6	xxxx	xxxxx	10.9	xxxx	xxxxx	xxxx	xxxx	12.4	xxxx	xxxx	xxxxx
LOS by Move:	A	*	*	B	*	*	*	*	B	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	36	xxxx	xxxxx	xxxx	101	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	1118	xxxx	xxxxx	420	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	F	*	*	F	*	*
ApproachDel:	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	xxxxxx	647.9	xxxxxx	xxxxxx	420.5	xxxxxx	
ApproachLOS:	*	*	*	*	*	*	F	*	*	F	*	

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2000 HCM Unsignalized (Future Volume Alternative)  
2020 Baseline PM

Intersection #22: Bay/Escalona [N/S: Bay E/W: Escalona]



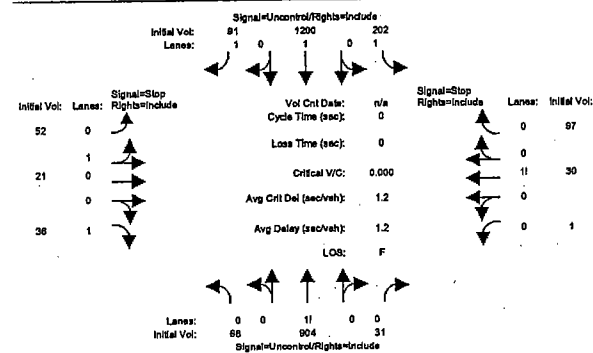
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:												
Volume Module:												
Base Vol:	55	675	23	159	889	62	35	17	29	0	24	76
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	68	837	29	197	1102	77	43	21	36	0	30	94
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	60	0	5	94	14	9	0	0	0	0	3
Initial Fut:	68	897	29	202	1196	91	52	21	36	0	30	97
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	68	897	29	202	1196	91	52	21	36	0	30	97
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	68	897	29	202	1196	91	52	21	36	0	30	97
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxx	4.1	xxxx	xxxx	7.1	6.5	6.2	xxxx	6.5	6.2
FollowUpTim:	2.2	xxxx	xxxx	2.2	xxxx	xxxx	3.5	4.0	3.3	xxxx	4.0	3.3
Capacity Module:												
Conflict Vol:	1287	xxxx	xxxx	926	xxxx	xxxx	2712	2663	1196	xxxx	2739	911
Potent Cap.:	546	xxxx	xxxx	747	xxxx	xxxx	14	23	229	xxxx	20	335
Move Cap.:	546	xxxx	xxxx	747	xxxx	xxxx	0	15	229	xxxx	13	335
Level Of Service Module:												
Stopped Del:	12.5	xxxx	xxxx	11.6	xxxx	xxxx	xxxx	xxxx	23.6	xxxx	xxxx	xxxx
LOS by Move:	B	*	*	B	*	*	*	*	C	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	0	xxxx	xxxx	xxxx	xxxx	49
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	894.6
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	F
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			894.6	xxxxxx	
ApproachLOS:	*			*			F			F	*	

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2000 HCM Unsignalized (Future Volume Alternative)  
2020 Plus Phase 1 and 2 PM

Intersection #22: Bay/Escalona [N/S: Bay E/W: Escalona]



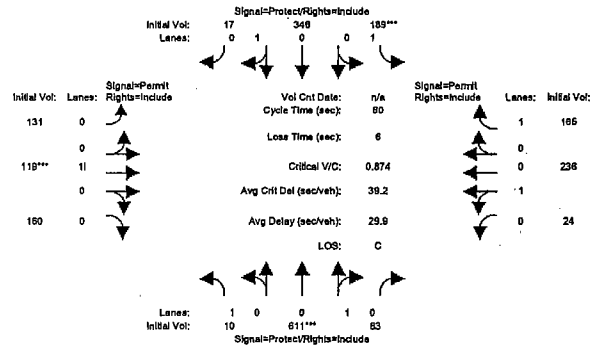
Approach:	North Bound			South Bound			East Bound			West Bound		
	L	T	R	L	T	R	L	T	R	L	T	R
Movement:												
Volume Module:												
Base Vol:	55	675	23	159	889	62	35	17	29	0	24	76
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	68	837	29	197	1102	77	43	21	36	0	30	94
Added Vol:	0	7	2	0	4	0	0	0	0	1	0	0
Campus Incr:	0	60	0	5	94	14	9	0	0	0	0	3
Initial Fut:	68	904	31	202	1200	91	52	21	36	1	30	97
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	68	904	31	202	1200	91	52	21	36	1	30	97
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	68	904	31	202	1200	91	52	21	36	1	30	97
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxx	4.1	xxxx	xxxx	7.1	6.5	6.2	7.1	6.5	6.2
FollowUpTim:	2.2	xxxx	xxxx	2.2	xxxx	xxxx	3.5	4.0	3.3	3.5	4.0	3.3
Capacity Module:												
Conflict Vol:	1291	xxxx	xxxx	935	xxxx	xxxx	2724	2676	1200	2734	2751	919
Potent Cap.:	544	xxxx	xxxx	741	xxxx	xxxx	14	22	228	13	20	331
Move Cap.:	544	xxxx	xxxx	741	xxxx	xxxx	0	14	228	0	13	331
Level Of Service Module:												
Stopped Del:	12.6	xxxx	xxxx	11.7	xxxx	xxxx	xxxx	xxxx	23.8	xxxx	xxxx	xxxx
LOS by Move:	B	*	*	B	*	*	*	*	C	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	
Shared Cap.:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	0	xxxx	xxxx	xxxx	xxxx	0
Shrd StpDel:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			894.6	xxxxxx	
ApproachLOS:	*			*			F			F	*	

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2020 Baseline AM

Intersection #23: Bay/King [N/S: Bay E/W: King]



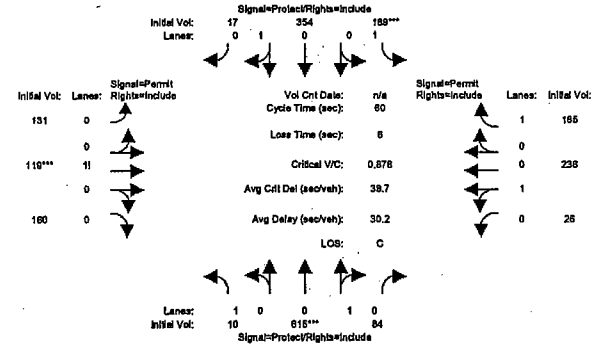
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	8	452	67	140	268	14	106	96	129	19	190	92
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	10	560	83	174	332	17	131	119	160	24	236	114
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	51	0	15	14	0	0	0	0	0	0	51
Initial Fut:	10	611	83	189	346	17	131	119	160	24	236	165
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	10	611	83	189	346	17	131	119	160	24	236	165
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	10	611	83	189	346	17	131	119	160	24	236	165
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	10	611	83	189	346	17	131	119	160	24	236	165
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.96	0.96	0.93	0.97	0.97	0.67	0.67	0.67	0.93	0.93	0.83
Lanes:	1.00	0.88	0.12	1.00	0.95	0.05	0.32	0.29	0.39	0.09	0.91	1.00
Final Sat.:	1769	1610	219	1769	1761	88	408	370	497	161	1613	1583
Capacity Analysis Module:												
Vol/Sat:	0.01	0.38	0.38	0.11	0.20	0.20	0.32	0.32	0.32	0.15	0.15	0.10
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***
Green/Cycle:	0.02	0.43	0.43	0.12	0.54	0.54	0.37	0.37	0.37	0.37	0.37	0.37
Volume/Cap:	0.36	0.87	0.87	0.87	0.36	0.36	0.87	0.87	0.87	0.40	0.40	0.28
Delay/Veh:	47.1	31.2	31.2	64.7	10.7	10.7	40.0	40.0	40.0	19.1	19.1	18.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	47.1	31.2	31.2	64.7	10.7	10.7	40.0	40.0	40.0	19.1	19.1	18.1
DesignQueue:	0	17	2	8	7	0	4	4	5	1	7	5

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Intersection #23: Bay/King [N/S: Bay E/W: King]



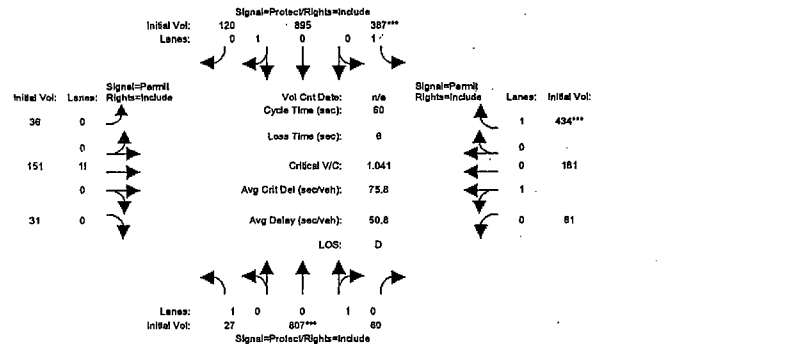
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Volume Module:												
Base Vol:	8	452	67	140	268	14	106	96	129	19	190	92
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	10	560	83	174	332	17	131	119	160	24	236	114
Added Vol:	0	4	1	0	8	0	0	0	0	2	0	0
Campus Incr:	0	51	0	15	14	0	0	0	0	0	0	51
Initial Fut:	10	615	84	189	354	17	131	119	160	26	236	165
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	10	615	84	189	354	17	131	119	160	26	236	165
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	10	615	84	189	354	17	131	119	160	26	236	165
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	10	615	84	189	354	17	131	119	160	26	236	165
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.96	0.96	0.93	0.97	0.97	0.67	0.67	0.67	0.93	0.93	0.83
Lanes:	1.00	0.88	0.12	1.00	0.95	0.05	0.32	0.29	0.39	0.10	0.90	1.00
Final Sat.:	1769	1609	220	1769	1763	86	407	368	495	173	1592	1583
Capacity Analysis Module:												
Vol/Sat:	0.01	0.38	0.38	0.11	0.20	0.20	0.32	0.32	0.32	0.15	0.15	0.10
Crit Moves:	***	***	***	***	***	***	***	***	***	***	***	***
Green/Cycle:	0.02	0.44	0.44	0.12	0.54	0.54	0.37	0.37	0.37	0.37	0.37	0.37
Volume/Cap:	0.37	0.88	0.88	0.88	0.37	0.37	0.88	0.88	0.88	0.40	0.40	0.28
Delay/Veh:	47.5	31.6	31.6	65.7	10.7	10.7	40.7	40.7	40.7	19.2	19.2	18.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	47.5	31.6	31.6	65.7	10.7	10.7	40.7	40.7	40.7	19.2	19.2	18.1
DesignQueue:	0	17	2	8	8	0	4	4	5	1	7	5

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Level of Service Computation Report  
2000 HCM Operations (Future Volume Alternative)  
2020 Baseline PM

Intersection #23: Bay/King [N/S; Bay E/W; King]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	22	627	48	274	684	97	29	122	25	49	146	326
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	27	777	60	340	848	120	36	151	31	61	181	404
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	30	0	47	47	0	0	0	0	0	0	30
Initial Fut:	27	807	60	387	895	120	36	151	31	61	181	434
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	27	807	60	387	895	120	36	151	31	61	181	434
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	27	807	60	387	895	120	36	151	31	61	181	434
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	27	807	60	387	895	120	36	151	31	61	181	434

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.97	0.97	0.93	0.96	0.96	0.88	0.88	0.88	0.83	0.83	0.83
Lanes:	1.00	0.93	0.07	1.00	0.88	0.12	0.16	0.70	0.14	0.25	0.75	1.00
Final Sat.:	1769	1717	127	1769	1612	217	276	1161	238	398	1186	1583

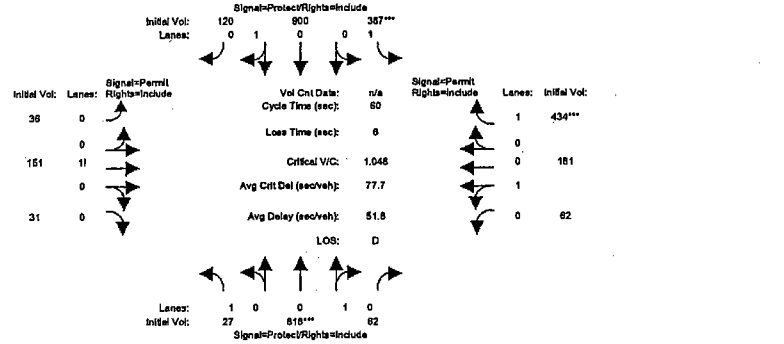
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.02	0.47	0.47	0.22	0.56	0.56	0.13	0.13	0.13	0.15	0.15	0.27
Crit Moves:	****											
Green/Cycle:	0.02	0.45	0.45	0.21	0.64	0.64	0.26	0.26	0.26	0.26	0.26	0.26
Volume/Cap:	0.86	1.04	1.04	1.04	0.86	0.86	0.49	0.49	0.49	0.58	0.58	1.04
Delay/Veh:	143.2	64.4	64.4	89.5	18.2	18.2	25.8	25.8	25.8	27.6	27.6	84.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	143.2	64.4	64.4	89.5	18.2	18.2	25.8	25.8	25.8	27.6	27.6	84.7
DesignQueue:	1	22	2	14	17	2	1	5	1	2	6	15

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Level of Service Computation Report  
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2020 Plus Phase 1 and 2 PM

Intersection #23: Bay/King [N/S; Bay E/W; King]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	22	627	48	274	684	97	29	122	25	49	146	326
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	27	777	60	340	848	120	36	151	31	61	181	404
Added Vol:	0	9	2	0	5	0	0	0	0	0	1	0
Campus Incr:	0	30	0	47	47	0	0	0	0	0	0	30
Initial Fut:	27	816	62	387	900	120	36	151	31	62	181	434
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	27	816	62	387	900	120	36	151	31	62	181	434
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	27	816	62	387	900	120	36	151	31	62	181	434
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	27	816	62	387	900	120	36	151	31	62	181	434

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.93	0.97	0.97	0.93	0.96	0.96	0.88	0.88	0.88	0.83	0.83	0.83
Lanes:	1.00	0.93	0.07	1.00	0.88	0.12	0.16	0.70	0.14	0.25	0.75	1.00
Final Sat.:	1769	1714	129	1769	1613	216	274	1153	236	401	1176	1583

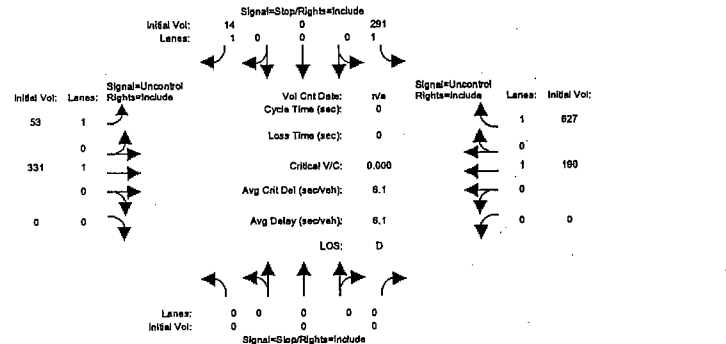
Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.02	0.48	0.48	0.22	0.56	0.56	0.13	0.13	0.13	0.15	0.15	0.27
Crit Moves:	****											
Green/Cycle:	0.02	0.45	0.45	0.21	0.65	0.65	0.26	0.26	0.26	0.26	0.26	0.26
Volume/Cap:	0.86	1.05	1.05	1.05	0.86	0.86	0.50	0.50	0.50	0.59	0.59	1.05
Delay/Veh:	144.1	66.2	66.2	91.6	18.3	18.3	26.0	26.0	26.0	28.0	28.0	86.8
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	144.1	66.2	66.2	91.6	18.3	18.3	26.0	26.0	26.0	28.0	28.0	86.8
DesignQueue:	1	23	2	14	17	2	1	5	1	2	6	15

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Level Of Service Computation Report  
2000 HCM Unsignalized (Future Volume Alternative)  
2020 Baseline AM

Intersection #24: Empire Grade/Heller [N/S: Heller E/W: Empire Grade]



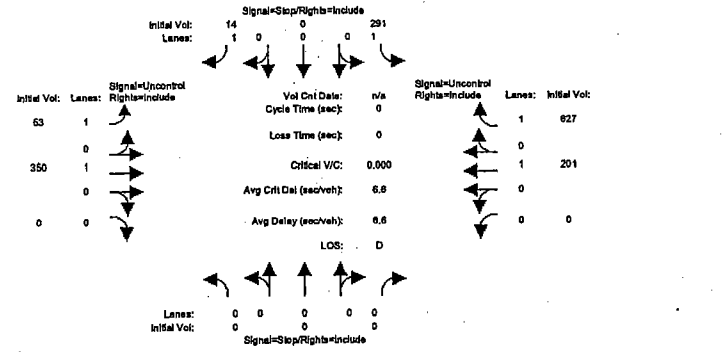
Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	0	0	217	0	10	38	262	0	0	152	444
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	0	0	0	269	0	12	47	325	0	0	188	551
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	22	0	2	6	6	0	0	2	76
Initial Fut:	0	0	0	291	0	14	53	331	0	0	190	627
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	291	0	14	53	331	0	0	190	627
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	291	0	14	53	331	0	0	190	627
Critical Gap Module:												
Critical Gp:	xxxxx	xxxxx	xxxxx	6.4	xxxxx	6.2	4.1	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
FollowUpTim:	xxxxx	xxxxx	xxxxx	3.5	xxxxx	3.3	2.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Capacity Module:												
Cnflct Vol:	xxxxx	xxxxx	xxxxx	628	xxxxx	190	817	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Potent Cap.:	xxxxx	xxxxx	xxxxx	450	xxxxx	856	820	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Move Cap.:	xxxxx	xxxxx	xxxxx	428	xxxxx	856	820	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Level Of Service Module:												
Stopped Del:	xxxxx	xxxxx	xxxxx	29.5	xxxxx	9.3	9.7	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
LOS by Move:	*	*	*	D	*	A	A	*	*	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			28.5			xxxxxx			xxxxxx		
ApproachLOS:	*			D			*			*		

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2020 Plus Phase 1 and 2 AM

Intersection #24: Empire Grade/Heller [N/S: Heller E/W: Empire Grade]

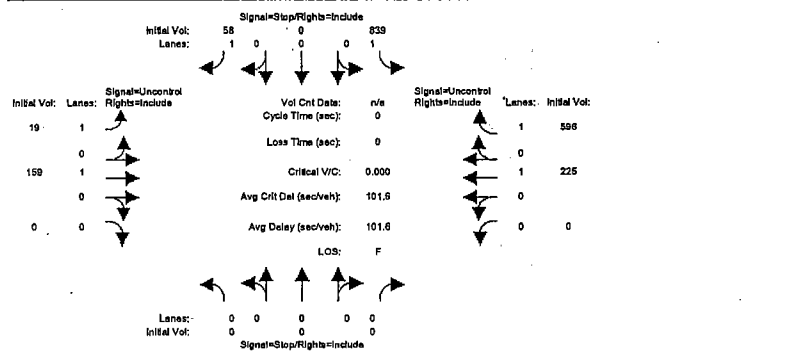


Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	0	0	217	0	10	38	262	0	0	152	444
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	0	0	0	269	0	12	47	325	0	0	188	551
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	22	0	2	6	6	0	0	2	76
Initial Fut:	0	0	0	291	0	14	53	350	0	0	201	627
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	291	0	14	53	350	0	0	201	627
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	291	0	14	53	350	0	0	201	627
Critical Gap Module:												
Critical Gp:	xxxxx	xxxxx	xxxxx	6.4	xxxxx	6.2	4.1	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
FollowUpTim:	xxxxx	xxxxx	xxxxx	3.5	xxxxx	3.3	2.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Capacity Module:												
Cnflct Vol:	xxxxx	xxxxx	xxxxx	658	xxxxx	201	828	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Potent Cap.:	xxxxx	xxxxx	xxxxx	432	xxxxx	844	812	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Move Cap.:	xxxxx	xxxxx	xxxxx	411	xxxxx	844	812	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Level Of Service Module:												
Stopped Del:	xxxxx	xxxxx	xxxxx	32.4	xxxxx	9.3	9.7	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
LOS by Move:	*	*	*	D	*	A	A	*	*	*	*	*
Movement:	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT	LT - LTR - RT
Shared Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			31.3			xxxxxx			xxxxxx		
ApproachLOS:	*			D			*			*		



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2020 Baseline PM

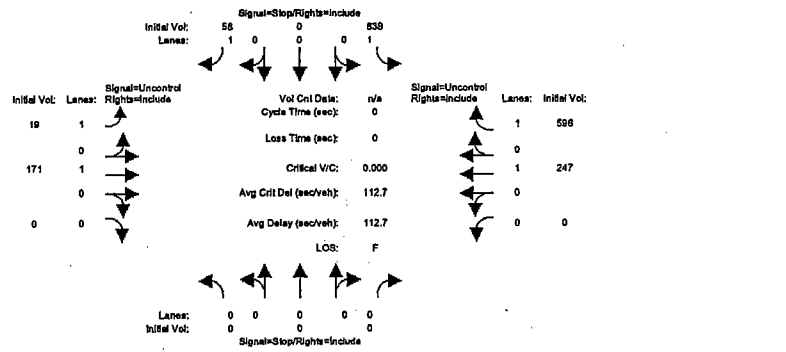
Intersection #24: Empire Grade/Heller [N/S: Heller E/W: Empire Grade]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	0	0	620	0	42	12	125	0	0	177	444
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	0	0	0	769	0	52	15	155	0	0	219	551
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Campus Incr:	0	0	0	70	0	6	4	4	0	0	6	45
Initial Fut:	0	0	0	839	0	58	19	159	0	0	225	596
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	839	0	58	19	159	0	0	225	596
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	839	0	58	19	159	0	0	225	596
Critical Gap Module:												
Critical Gp:	xxxxx	xxxxx	xxxxx	6.4	xxxxx	6.2	4.1	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
FollowUpTim:	xxxxx	xxxxx	xxxxx	3.5	xxxxx	3.3	2.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Capacity Module:												
Cnflct Vol:	xxxxx	xxxxx	xxxxx	422	xxxxx	225	821	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Potent Cap.:	xxxxx	xxxxx	xxxxx	592	xxxxx	819	817	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Move Cap.:	xxxxx	xxxxx	xxxxx	582	xxxxx	819	817	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Level Of Service Module:												
Stopped Del:	xxxxx	xxxxx	xxxxx	228.7	xxxxx	9.7	9.5	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
LOS by Move:	*	*	*	F	*	A	A	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxxx			214.5	xxxxxxx		xxxxxxx			xxxxxxx		
ApproachLOS:				F								

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2000 HCM Unsignalized (Future Volume Alternative)  
2020 Plus Phase 1 and 2 PM

Intersection #24: Empire Grade/Heller [N/S: Heller E/W: Empire Grade]



Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Volume Module:												
Base Vol:	0	0	0	620	0	42	12	125	0	0	177	444
Growth Adj:	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24
Initial Bse:	0	0	0	769	0	52	15	155	0	0	219	551
Added Vol:	0	0	0	0	0	0	0	12	0	0	22	0
Campus Incr:	0	0	0	70	0	6	4	4	0	0	6	45
Initial Fut:	0	0	0	839	0	58	19	171	0	0	247	596
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	0	0	839	0	58	19	171	0	0	247	596
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	839	0	58	19	171	0	0	247	596
Critical Gap Module:												
Critical Gp:	xxxxx	xxxxx	xxxxx	6.4	xxxxx	6.2	4.1	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
FollowUpTim:	xxxxx	xxxxx	xxxxx	3.5	xxxxx	3.3	2.2	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Capacity Module:												
Cnflct Vol:	xxxxx	xxxxx	xxxxx	456	xxxxx	247	843	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Potent Cap.:	xxxxx	xxxxx	xxxxx	566	xxxxx	796	802	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Move Cap.:	xxxxx	xxxxx	xxxxx	556	xxxxx	796	802	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Level Of Service Module:												
Stopped Del:	xxxxx	xxxxx	xxxxx	258.5	xxxxx	9.9	9.6	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
LOS by Move:	*	*	*	F	*	A	A	*	*	*	*	*
Movement:	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT	LT	LTR	RT
Shared Cap.:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shrd StpDel:	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxxx			242.4	xxxxxxx		xxxxxxx			xxxxxxx		
ApproachLOS:				F								

# APPENDIX D-4

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## PROJECT TRIP GENERATION

**Trip Generation Estimates**  
**Marine Science Center CLRDP**  
November 25, 2002

**ESTIMATE OF TRIPS (USING SURVEYED TRIP DATA FROM COASTPLANS)**

Land Use	Size	Trip Rates								Number of Trips							
		Daily	AM Peak Hour			PM Peak Hour			Daily	AM Peak Hour			PM Peak Hour			Off-Peak Trips	
			In	Out	Total	In	Out	Total		In	Out	Total	In	Out	Total		
<i>Existing</i>	Peak Hour of Adjacent Traffic	263 emp+stu	3.80	0.24	0.06	0.30	0.12	0.22	0.33	1,000	63	15	78	31	57	88	834
<i>Project Near-Term</i>	New Employees and Students	255 emp+stu	3.80	0.24	0.06	0.30	0.12	0.22	0.33	968	61	14	76	30	55	85	807
	Auditorium	13 visitors				See notes below*			22	8	2	10	2	8	10	2	
	Meeting Rooms	11 visitors				See notes below*			20	7	2	9	2	7	9	2	
	Increased use of Seymour Center	48 visitors	0.62	0.11	0.01	0.12	0.01	0.11	0.12	30	5	1	6	1	5	6	18
	Increased Public Access Use	20 visitors				See notes below*			40	4	4	8	4	4	8	24	
	Overnight Accommodations (Est. Rates)	5 beds	4.00	0.20	1.05	1.25	0.84	0.41	1.25	20	1	5	6	4	2	6	8
	On-Site Housing (60% of ITE Apt Rate)	42 du	5.51	0.06	0.29	0.34	0.10	0.49	0.59	232	2	12	14	4	21	25	192
						Near-Term Subtotal				1,331	89	40	129	47	103	149	1,053
<i>Project Long-Term</i>	New Employees and Students	366 emp+stu	3.80	0.24	0.06	0.30	0.12	0.22	0.33	1,390	88	21	108	43	80	122	1,159
	Increased use of Seymour Center	48 visitors	0.62	0.11	0.01	0.12	0.01	0.11	0.12	30	5	1	6	1	5	6	18
	Increased Public Access Use	20 visitors				See notes below*			40	4	4	8	4	4	8	24	
	Dorm Rooms (Estimated Rate)	30 beds	4.00	0.20	1.05	1.25	0.84	0.41	1.25	120	6	32	38	25	12	38	45
	On-Site Housing (60% of ITE Apt Rate)	38 du	5.71	0.06	0.29	0.35	0.11	0.52	0.62	217	2	11	13	4	20	24	180
						Long-Term Subtotal				1,797	105	68	173	76	121	197	1,426
						Average Day Project Total				3,128	195	108	303	123	224	347	2,479

**Notes:**

Trip rates for employees+students based on traffic counts of existing site uses provided by Coastplans. Daily trips (over 24-hour period) were estimated based on 7 am to 5 pm volumes. Currently, students represent 23% of employee+student population average daily occupancy. Under Near-Term and Long-Term conditions, they represent 16% and 19%, respectively. The number of employees and students for Near-Term Conditions includes a net loss of 2 employees+students from Changed Use of Existing Facilities. For auditorium/meeting room use, average daily attendance is based on annual attendance projection divided by 312 days/yr. Assumptions for trip generation include:  
Average of 1.25 persons/car during peak hour and everyone travels during the peak hour.  
Daily trip estimate includes both peak hours plus 2 additional trips each for preparation, tear-down and other activities outside the peak periods.  
Increased use of Seymour Center under each scenario assumes 2 persons per car resulting in 24 vehicle trips, of which 50% are assumed to occur during the peak periods.  
An additional 6 trips is added under each scenario to account for new staff trips during the day.  
Overnight accommodations and dorm beds are assumed to have an average daily occupancy of 50% per population projections.  
Source: Fehr & Peers Associates based on population projections and information from Estimated Occupancy of Trip-Generating Space table (Ann Bertken, UCSC, 9/27/2002).

Trip Generation for simultaneous average attendance at auditorium and meeting rooms on a specific day plus peak attendance at Seymour Center:

With an average auditorium attendance of 225 persons and 1.25 persons/car and 75% of visitors from off-site, resulting trip generation is 135 vehicles.

With an average meeting room attendance of 95 persons and 1.25 persons/car and 50% of visitors from off-site, resulting trip generation is 39 vehicles.

Daily trip estimate includes both peak hours plus 40 additional trips each to auditorium and meeting rooms for preparation, tear-down and other activities outside the peak periods.

Conservative assumption is that everyone travels in during the morning peak hour and out during the evening peak hour.

With an increase in peak attendance of 300 visitors on "Free Tuesdays" and 2.5 persons/car, the resulting trip generation is 120 vehicles. Of this total, approximately 20 percent are assumed to travel during each of the peak hours.

Off-Site Visitors	Daily	Trip Rates								Number of Trips						
		Daily	AM Peak Hour			PM Peak Hour			Daily	AM Peak Hour			PM Peak Hour			Off-Peak Trips
			In	Out	Total	In	Out	Total		In	Out	Total	In	Out	Total	
Auditorium	169	1.84	0.80	0.06	0.86	0.06	0.80	0.86	310	135	10	145	10	135	145	20
Meeting Rooms	48	2.42	0.80	0.21	1.01	0.21	0.80	1.01	116	38	10	48	10	38	48	20
Peak Seymour Center Attendance	300	0.40	0.07	0.01	0.08	0.07	0.01	0.08	120	22	2	24	2	2	24	72
					Peak Day Additional Trip Total				547	195	22	218	42	176	218	112
					Average Day Project Total				3,128	195	108	303	123	224	347	2,479
					Peak Day Grand Total (Simultaneous Events)				3,675	390	130	520	165	400	564	2,591

## **APPENDIX D-5**

### **ROADWAY SEGMENT LOS THRESHOLD**

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APPENDIX C -

LEVEL OF SERVICE THRESHOLD VOLUMES  
FOR VARIOUS ROADWAY TYPES  
TOTAL PEAK HOUR VOLUME IN BOTH DIRECTIONS (PHV)

ROADWAY TYPE (with Abbreviation)	Level of Service A	Level of Service B	Level of Service C	Level of Service D	Level of Service E
8-Lane Freeway (8F)	5,100	7,900	11,200	13,600	14,600
6-Lane Freeway (6F)	3,900	5,900	8,500	10,200	11,000
8-Lane Expressway (8E)	3,500	5,400	7,500	9,000	9,800
6-Lane Expressway (6E)	2,800	4,200	5,600	6,700	7,400
4-Lane Freeway (4F)	2,600	3,900	5,700	6,800	7,300
8-Lane Divided Arterial (w/left turn lane) (9)	4,000	4,700	5,400	6,100	6,800
6-Lane Divided Arterial (w/left turn lane) (7)	3,200	3,800	4,300	4,900	5,400
4-Lane Expressway (4E)	1,800	2,700	3,600	4,500	5,000
4-Lane Divided Arterial (w/left turn lane) (5)	2,200	2,500	2,900	3,250	3,600
4-Lane Undivided Arterial (no left turn lane) (4)	1,600	1,900	2,200	2,400	2,700
2-Lane Rural Highway	400	800	1,200	1,700	2,500
2-Lane Arterial (w/left turn lane) (3)	1,100	1,250	1,450	1,600	1,800
2-Lane Collector (2)	600	750	900	1,050	1,200
2-Lane Local* (1)	120	140	160	180	200
1-Lane Freeway Ramp** (1)	500	750	1,050	1,300	1,500
2-Lane Freeway Ramp**	1,000	1,500	2,100	2,600	2,800

Note:

1. Non-directional peak hour volume (PHV) is normally about 10 percent of the daily volume. Directional split is assumed 60/40.
2. Based on "Highway Capacity Manual", Transportation Research Board, 1994.
3. \*The capacity limitation is related to neighborhood quality-of-life rather than the physical carrying capacity of the road. This assumes a standard suburban neighborhood, 40 foot roadway width and 25 mile per hour speed limit with normal speed violation rates.
4. \*\*Capacities given for each service level assume the same level of service for the adjoining merging roadway as well as level of service being determined by volume to capacity and not attainable speed. Level of service will be controlled by freeway level of service if worse than ramp.
5. All volumes are approximate and assume ideal roadway characteristics.