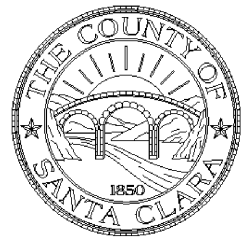


FINAL REPORT

STANFORD UNIVERSITY
TRAFFIC MONITORING REPORT
2011

Prepared for:

**Santa Clara County
Department of Planning Development**



February 2012

Prepared by:



**2025 Gateway Place, Suite 190
San Jose, CA 95110
(408) 490-2001-Phone
(408) 490-2002-Fax**

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FOREWORD FROM THE COUNTY OF SANTA CLARA PLANNING OFFICE

Background

The purpose of this report is to compare traffic volumes entering and exiting the Stanford campus during the inbound AM commute peak hour and the outbound PM commute peak hour to a traffic baseline. This comparison is performed on an annual basis. The requirements for establishment of the traffic baseline and performing annual comparisons to the baseline are contained within the December 2000 Stanford Community Plan/General Use Permit (GUP)/Environmental Impact Report (EIR) and within the 2000 Stanford General Use Permit. These documents can be reviewed at the County website or at the County Planning Office. Essentially, Stanford is required to attain a “no net new commute trips” standard as defined in the GUP and EIR.

The Process

Following the adoption of the GUP by the County Board of Supervisors in December 2000, the County Planning Office selected AECOM to conduct the monitoring process outlined in the conditions of approval. Because of the type of data to be collected (particularly license plate numbers), the data could not be collected until after the start of daylight savings time in Spring 2001. The data collection involved three two-week periods in the Spring and one two-week period in the Fall 2001.

Condition of Approval G.7. outlines the process for establishing the baseline counts and for continuing monitoring in subsequent years. The process can be summarized as follows:

- Peak hour traffic is counted at least three times per year for a two-week period each time. The three counts shall be averaged to determine the annual traffic level.
- All counts are recorded at the 16 campus entry and exit points forming a cordon around the campus.
- License plate numbers are recorded for each entering and exiting vehicle to determine the amount of non-campus traffic.
- Cordon volumes are adjusted for parking lots within the cordon used by the hospital (these volumes are subtracted from the cordon line counts) and parking lots outside the cordon used by the University (these volumes are added to the cordon line counts).
- A peak hour is then established for the campus based on the cordon line counts, adjusted for cut-through traffic and parking.

Condition of Approval G.6. defines the peak commute directions as entering the campus in the morning peak commute period and leaving the campus in the evening commute period. The



peak commute period is defined as the one-hour period of time between 7 AM and 9 AM and again between 4 PM and 6 PM with the highest volume of traffic, as defined by the counts. Therefore, the two peak hours are considered to be independent events. For example, an increase in AM peak traffic for two out of three years would trigger the additional elements of the monitoring program without a change, or even a decrease, in PM peak traffic, or the reverse. Also, a significant increase during one year in the AM and a sufficient increase in the PM for the following year would not trigger additional mitigation.

Activities Related to Traffic Baseline and Annual Monitoring Counts to Date

Stanford University Traffic Monitoring Report – 2001 GUP Baseline

The 2001 Baseline Report was originally issued on July 3, 2002. An update to that report was issued on October 15, 2003. Per the provisions of the GUP, this original Traffic Baseline Report established the standard for measuring future traffic impacts to the “no net new commute” standard.

The following were the count dates of the 2001 Baseline Report:

- Week of April 2, 2001
- Week of April 9, 2001
- Week of April 23, 2001
- Week of April 30, 2001
- Week of May 7, 2001
- Week of May 14, 2001
- Week of October 22, 2001
- Week of October 29, 2001

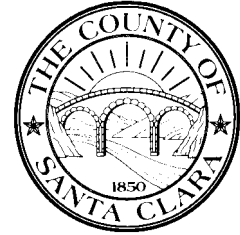
The following were the results of the 2001 Baseline Monitoring:

Inbound AM:

Average count	3,319
90% confidence interval	+/- 120
significant traffic increase	3,439
1% increase trigger	3,474

Outbound PM:

Average	3,446
90% confidence interval	+/- 109
significant traffic increase	3,555
1% trigger	3,591



Stanford University Traffic Monitoring Report – 2002 Monitoring Report

The 2002 Monitoring Report was originally issued in July 2003. The count dates for the 2002 Monitoring Report were as follows:

- Week of April 15, 2002
- Week of April 22, 2002
- Week of April 29, 2002
- Week of May 6, 2002
- Week of May 13, 2002
- Week of May 20, 2002
- Week of October 14, 2002
- Week of October 21, 2002

The 2002 Monitoring Report concluded that the adjusted AM inbound count totaled 3,390 vehicles. This represented an increase of 71 vehicles, which fell within the 90% confidence interval and did not represent a significant AM inbound traffic increase. The PM outbound count totaled 3,678 vehicles which was an increase of 232 vehicles from the baseline, which was higher than the 90% confidence interval. This count exceeded the 1% trigger of 3,591 vehicles by 87. The following is a summary of the results of the 2002 Monitoring Report as contained in the July 2003 document.

Inbound AM:

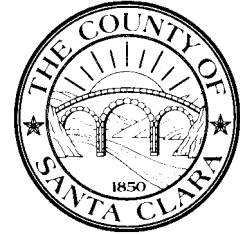
Adjusted average 2002 count	3,390
Baseline-established 90% confidence interval (2001)	+/- 120
Baseline-established significant traffic increase (2001)	3,439
Baseline-established 1% increase trigger (2001)	3,474
Result (falls below the 1% trigger by 84)	-84

Outbound PM:

Adjusted average 2002 count	3,678
Baseline-established 90% confidence interval (2001)	+/- 109
Baseline-established significant traffic increase (2001)	3,555
Baseline-established 1% increase trigger (2001)	3,591
Result (232 increase in vehicles exceeds the trigger by 87 vehicles)	+87

Adjustment 1 to 2002 Monitoring Report

An update to the original 2002 Monitoring Report was issued on October 15, 2003. Following the publication of the July 2003 report, Stanford and the County separately analyzed traffic data for the Stanford Homecoming Week. Based on consultation with Stanford and independent analysis of County consultant traffic data, the County determined that data collected for the week of Homecoming should not be included in the comparison data set. The rationale for this decision was that this event (Homecoming) had been ongoing for years, was not included in the baseline count, and would continue to be an annual event. The County communicated to Stanford that other future “large events” would not be excluded from future counts. The revised report substituted the week of October 28, 2002 for the previously counted week of October 14, 2002. The following are the results of the Revised 2002 Monitoring Report.



Inbound AM:

Adjusted average 2002 count	3,287
Baseline-established 90% confidence interval (2001)	+/- 120
Baseline-established significant traffic increase (2001)	3,439
Baseline-established 1% increase trigger (2001)	3,474
Result (falls below the 1% trigger by 187)	-187

Outbound PM:

Adjusted average 2002 count	3,598
Baseline-established 90% confidence interval (2001)	+/- 109
Baseline-established significant traffic increase (2001)	3,555
Baseline-established 1% increase trigger (2001)	3,591
Result (152 increase in vehicles exceeds the trigger by 7 vehicles)	+7

Adjustment 2 to the 2002 Monitoring Report

Subsequent to the first adjustment to the 2002 Monitoring Report, Stanford informed the County that additional Marguerite shuttle runs had been introduced to campus since the completion of the baseline count, and thus counted in the Year 1 (2002) comparison counts. This resulted in an increase of 12 vehicles in each peak hour. County staff determined that these new bus lines should be subtracted from the comparison count. This provided an end result as follows:

Inbound AM:

Adjusted average 2002 count	3,275
Baseline-established 90% confidence interval (2001)	+/- 120
Baseline-established significant traffic increase (2001)	3,439
Baseline-established 1% increase trigger (2001)	3,474
Result (falls below the 1% trigger by 199)	-199

Outbound PM:

Adjusted average 2002 count	3,586
Baseline-established 90% confidence interval (2001)	+/- 109
Baseline-established significant traffic increase (2001)	3,555
Baseline-established 1% increase trigger (2001)	3,591
Result (falls below the 1% trigger by 5 vehicles)	-5



Stanford University Traffic Monitoring Report – 2003 Monitoring Report

This report represents the 2003 Monitoring Report. The count dates for the 2003 Monitoring Report were as follows:

- Week of April 7, 2003
- Week of April 21, 2003
- Week of April 28, 2003
- Week of May 5, 2003
- Week of May 12, 2003
- Week of May 19, 2003
- Week of September 29, 2003
- Week of October 20, 2003

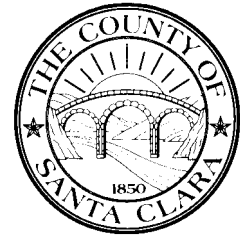
The 2003 Monitoring Report concluded that the adjusted AM inbound count totaled 3,413 vehicles. This represented an increase of 94 vehicles, which fell within the 90% confidence interval and did not represent a significant AM inbound traffic increase. The PM outbound count totaled 3,476 vehicles which was an increase of 30 vehicles from the baseline, which also fell within the 90% confidence interval. The following is a summary of the results of the 2003 Monitoring Report.

Inbound AM:

Adjusted average 2003 count	3,413
Baseline-established 90% confidence interval (2001)	+/- 120
Baseline-established significant traffic increase (2001)	3,439
Baseline-established 1% increase trigger (2001)	3,474
Result (falls below the 90% confidence interval by 26)	-26
Result (falls below the 1% trigger by 61 vehicles)	-61

Outbound PM:

Adjusted average 2003 count	3,476
Baseline-established 90% confidence interval (2001)	+/- 109
Baseline-established significant traffic increase (2001)	3,555
Baseline-established 1% increase trigger (2001)	3,591
Result (falls below the 90% confidence interval by 79 vehicles)	-79
Result (falls below the 1% trigger by 115 vehicles)	-115



Stanford University Traffic Monitoring Report – 2004 Monitoring Report

This report represents the 2004 Monitoring Report. The count dates for the 2004 Monitoring Report were as follows:

- Week of April 12, 2004
- Week of April 19, 2004
- Week of April 26, 2004
- Week of May 3, 2004
- Week of May 10, 2004
- Week of May 17, 2004
- Week of September 27, 2004
- Week of October 4, 2004

The 2004 Monitoring Report concluded that the adjusted AM inbound count totaled 3,176 vehicles. This represented a decrease of 143 vehicles, which fell within the 90% confidence interval and did not represent a significant AM inbound traffic increase. The PM outbound count totaled 3,642 vehicles which was an increase of 196 vehicles from the baseline, which is 87 vehicles above 90% confidence interval and 51 vehicles more than the 1% established trigger. The following is a summary of the results of the initial 2004 Monitoring Report.

Inbound AM:

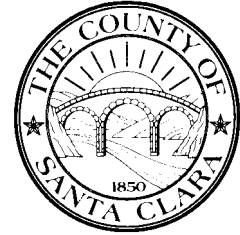
Adjusted average 2004 count	3,176
Baseline-established 90% confidence interval (2001)	+/- 120
Baseline-established significant traffic increase (2001)	3,439
Baseline-established 1% increase trigger (2001)	3,474
Result (falls below the 90% confidence interval by 263)	-263
Result (falls below the 1% trigger by 298 vehicles)	-298

Outbound PM:

Adjusted average 2004 count	3,642
Baseline-established 90% confidence interval (2001)	+/- 109
Baseline-established significant traffic increase (2001)	3,555
Baseline-established 1% increase trigger (2001)	3,591
Result (falls above the 90% confidence interval by 87 vehicles)	+87
Result (falls above the 1% trigger by 51 vehicles)	+51

Outbound PM:

Adjusted average 2004 count	3,642
Baseline-established 90% confidence interval (2001)	+/- 109
Baseline-established significant traffic increase (2001)	3,555
Baseline-established 1% increase trigger (2001)	3,591
Result (falls above the 90% confidence interval by 87 vehicles)	+87
Result (falls above the 1% trigger by 51 vehicles)	+51
2004 trip credit	-66
Result with trip credit (falls below the 1% trigger by 15 vehicles)	-15



Stanford University Traffic Monitoring Report – 2005 Monitoring Report

This report represents the 2005 Monitoring Report. The count dates for the 2005 Monitoring Report were as follows:

- Week of April 4, 2005
- Week of April 11, 2005
- Week of April 18, 2005
- Week of April 25, 2005
- Week of May 2, 2005
- Week of May 9, 2005
- Week of September 26, 2005
- Week of October 3, 2005

The 2005 Monitoring Report concluded that the adjusted AM inbound count totaled 3,383 vehicles. This represented an increase of 64 vehicles, which fell within the 90% confidence interval and did not represent a significant AM inbound traffic increase. The PM outbound count totaled 3,735 vehicles which was an increase of 289 vehicles from the baseline, which is above the 90% confidence interval by 180 vehicles and above the 1% increase trigger by 144 vehicles. The following is a summary of the results of the 2005 Monitoring Report.

Inbound AM:

Adjusted average 2005 count	3,383
Baseline-established 90% confidence interval (2001)	+/- 120
Baseline-established significant traffic increase (2001)	3,439
Baseline-established 1% increase trigger (2001)	3,474
Result (falls below the 90% confidence interval by 56)	-56
Result (falls below the 1% trigger by 91 vehicles)	-91

Outbound PM:

Adjusted average 2005 count	3,735
Baseline-established 90% confidence interval (2001)	+/- 109
Baseline-established significant traffic increase (2001)	3,555
Baseline-established 1% increase trigger (2001)	3,591
Result (falls above the 90% confidence interval by 180 vehicles)	+180
Result (falls above the 1% trigger by 144 vehicles)	+144

The 2000 Stanford GUP Condition G.8. specifies that the County will recognize and “credit” Stanford off-campus trip reduction efforts within defined geographic boundaries. These credits will be applied to Stanford’s attainment of the “no net new commute trip” standard. In 2003, Stanford and the County discussed potential methodologies for providing credits to Stanford. The County developed draft guidelines, which were reviewed by the Community Resource Group, and the Planning Office approved the final guidelines on October 9, 2003. These guidelines are presented in the “Stanford Traffic Cordon Count Credit Guidelines” dated October 28, 2003.

On April 24, 2006, Stanford submitted a 2005 trip credit report that was reviewed by AECOM. This report documented a credit of 174 trips for the increase in the number of bus trips across

County of Santa Clara

Environmental Resources Agency

Planning Office

County Government Center, East Wing, 7th Floor

70 West Hedding Street, 7th Floor

San Jose, California 95110

(408) 299-5770 FAX (408) 288-9198

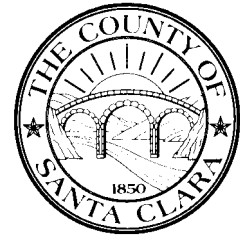
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the cordon points and the number of transit passengers served outside the cordon area in the PM peak hour between the 2001 baseline and 2005. Using the new Marguerite shuttle Automated Transportation Management System, the number of passengers getting on and off the shuttle at each stop was counted. Most of the trip credits claimed are for passengers (primarily Stanford Hospital employees) getting on the shuttle outside the cordon area and traveling to the Palo Alto Caltrain station. As outlined in the adopted guidelines, full credits are claimed for trips in the peak commute direction and 1/3 credit claimed for trips in the reverse direction. Pass through credits are claimed for those passengers who board outside the cordon, pass through the campus, and then alight outside the campus based on onboard surveys. As summarized below, with the trip credit of 174 trips Stanford did not exceed the no net new commute trip standard based on the 2005 monitoring program.

Outbound PM:

Adjusted average 2005 count	3,735
Baseline-established 90% confidence interval (2001)	+/- 109
Baseline-established significant traffic increase (2001)	3,555
Baseline-established 1% increase trigger (2001)	3,591
Result (falls above the 90% confidence interval by 180 vehicles)	+180
Result (falls above the 1% trigger by 144 vehicles)	+144
2005 trip credit	-174
Result with trip credit (falls below the 1 percent trigger by 30 vehicles)	-30



Stanford University Traffic Monitoring Report – 2006 Monitoring Report

This report represents the 2006 Monitoring Report. The count dates for the 2006 Monitoring Report were as follows:

- Week of April 17, 2006
- Week of April 24, 2006
- Week of May 1, 2006
- Week of May 8, 2006
- Week of May 15, 2006
- Week of May 22, 2006
- Week of October 16, 2006
- Week of October 23, 2006

The 2006 Monitoring Report concluded that the adjusted AM inbound count totaled 3,048 vehicles. This represented a decrease of 271 vehicles from baseline, which falls within the 90 percent confidence interval and does not represent a significant AM inbound traffic increase. The PM outbound count totaled 3,427 vehicles which was a decrease of 19 vehicles from the baseline, which is 128 vehicles below the 90 percent confidence interval and 164 vehicles below the 1 percent established trigger. The following is a summary of the results of the 2006 Monitoring Report.

Inbound AM:

Adjusted average 2006 count	3,048
Baseline-established 90% confidence interval (2001)	+/- 120
Baseline-established significant traffic increase (2001)	3,439
Baseline-established 1% increase trigger (2001)	3,474
Result (falls below the 90% confidence interval by 391 vehicles)	-391
Result (falls below the 1% increase trigger by 426 vehicles)	-426

Outbound PM:

Adjusted average 2006 count	3,427
Baseline-established 90% confidence interval (2001)	+/- 109
Baseline-established significant traffic increase (2001)	3,555
Baseline-established 1% increase trigger (2001)	3,591
Result (falls below the 90% confidence interval by 128 vehicles)	-128
Result (falls below the 1% trigger by 164 vehicles)	-164



Stanford University Traffic Monitoring Report – 2007 Monitoring Report

This report represents the 2007 Monitoring Report. The count dates for the 2007 Monitoring Report were as follows:

- Week of April 9, 2007
- Week of April 16, 2007
- Week of April 23, 2007
- Week of April 30, 2007
- Week of May 7, 2007
- Week of May 14, 2007
- Week of October 15, 2007
- Week of October 22, 2007

The 2007 Monitoring Report concluded that the adjusted AM inbound count totaled 3,058 vehicles. This represented a decrease of 261 vehicles from baseline. The PM outbound count totaled 3,494 vehicles which is an increase of 48 vehicles from the baseline, which is 61 vehicles below the 90 percent confidence interval and 97 vehicles below the 1 percent established trigger. The following is a summary of the results of the 2007 Monitoring Report.

Inbound AM:

Adjusted average 2007 count	3,058
Baseline-established 90% confidence interval (2001)	+/- 120
Baseline-established significant traffic increase (2001)	3,439
Baseline-established 1% increase trigger (2001)	3,474
Result (falls below the 90% confidence interval by 381 vehicles)	-381
Result (falls below the 1% increase trigger by 416 vehicles)	-416

Outbound PM:

Adjusted average 2007 count	3,494
Baseline-established 90% confidence interval (2001)	+/- 109
Baseline-established significant traffic increase (2001)	3,555
Baseline-established 1% increase trigger (2001)	3,591
Result (falls below the 90% confidence interval by 61 vehicles)	-61
Result (falls below the 1% trigger by 97 vehicles)	-97



Stanford University Traffic Monitoring Report – 2008 Monitoring Report

This report represents the 2008 Monitoring Report. The count dates for the 2008 Monitoring Report were as follows:

- Week of April 7, 2008
- Week of April 14, 2008
- Week of April 21, 2008
- Week of April 28, 2008
- Week of May 5, 2008
- Week of May 12, 2008
- Week of October 13, 2008
- Week of October 20, 2008

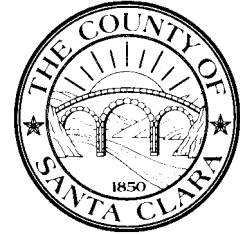
The 2008 Monitoring Report concluded that the adjusted AM inbound count totaled 3,020 vehicles. This represented a decrease of 299 vehicles from baseline, which falls within the 90 percent confidence interval and does not represent a significant AM inbound traffic increase. The PM outbound count totaled 3,460 vehicles which is an increase of 14 vehicles from the baseline, which is 95 vehicles below the 90 percent confidence interval and 131 vehicles below the 1 percent established trigger. The following is a summary of the results of the 2008 Monitoring Report.

Inbound AM:

Adjusted average 2008 count	3,020
Baseline-established 90% confidence interval (2001)	+/- 120
Baseline-established significant traffic increase (2001)	3,439
Baseline-established 1% increase trigger (2001)	3,474
Result (falls below the 90% confidence interval by 419 vehicles)	-419
Result (falls below the 1% increase trigger by 454 vehicles)	-454

Outbound PM:

Adjusted average 2008 count	3,460
Baseline-established 90% confidence interval (2001)	+/- 109
Baseline-established significant traffic increase (2001)	3,555
Baseline-established 1% increase trigger (2001)	3,591
Result (falls below the 90% confidence interval by 95 vehicles)	-95
Result (falls below the 1% trigger by 131 vehicles)	-131



Stanford University Traffic Monitoring Report – 2009 Monitoring Report

This report represents the 2009 Monitoring Report. The count dates for the 2009 Monitoring Report were as follows:

- Week of April 13, 2009
- Week of April 20, 2009
- Week of April 27, 2009
- Week of May 4, 2009
- Week of May 11, 2009
- Week of May 18, 2009
- Week of October 5, 2009
- Week of October 12, 2009

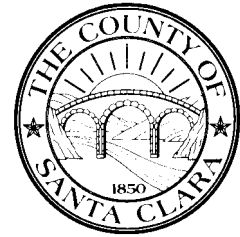
The 2009 Monitoring Report concluded that the adjusted AM inbound count totaled 2,840 vehicles. This represented a decrease of 479 vehicles from baseline, which falls within the 90 percent confidence interval and does not represent a significant AM inbound traffic increase. The PM outbound count totaled 3,227 vehicles which is a decrease of 219 vehicles from the baseline, which is 328 vehicles below the 90 percent confidence interval and 364 vehicles below the 1 percent established trigger. The following is a summary of the results of the 2009 Monitoring Report.

Inbound AM:

Adjusted average 2009 count	2,840
Baseline-established 90% confidence interval (2001)	+/- 120
Baseline-established significant traffic increase (2001)	3,439
Baseline-established 1% increase trigger (2001)	3,474
Result (falls below the 90% confidence interval by 599 vehicles)	-599
Result (falls below the 1% increase trigger by 634 vehicles)	-634

Outbound PM:

Adjusted average 2009 count	3,227
Baseline-established 90% confidence interval (2001)	+/- 109
Baseline-established significant traffic increase (2001)	3,555
Baseline-established 1% increase trigger (2001)	3,591
Result (falls below the 90% confidence interval by 328 vehicles)	-328
Result (falls below the 1% increase trigger by 364 vehicles)	-364



Stanford University Traffic Monitoring Report – 2010 Monitoring Report

This report represents the 2010 Monitoring Report. The count dates for the 2010 Monitoring Report were as follows:

- Week of April 5, 2010
- Week of April 19, 2010
- Week of April 26, 2010
- Week of May 3, 2010
- Week of May 10, 2010
- Week of May 17, 2010
- Week of October 25, 2010
- Week of November 1, 2010

The 2010 Monitoring Report concluded that the adjusted AM inbound count totaled 2,921 vehicles. This represented a decrease of 398 vehicles from baseline, which falls below the 90 percent confidence interval and does not represent a significant AM inbound traffic increase. The PM outbound count totaled 3,459 vehicles which is an increase of 13 vehicles from the baseline, which is 96 vehicles below the 90 percent confidence interval and 132 vehicles below the 1 percent established trigger. The following is a summary of the results of the 2010 Monitoring Report.

Inbound AM:

Adjusted average 2010 count	2,921
Baseline-established 90% confidence interval (2001)	+/- 120
Baseline-established significant traffic increase (2001)	3,439
Baseline-established 1% increase trigger (2001)	3,474
Result (falls below the 90% confidence interval by 518 vehicles)	-518
Result (falls below the 1% increase trigger by 553 vehicles)	-553

Outbound PM:

Adjusted average 2010 count	3,459
Baseline-established 90% confidence interval (2001)	+/- 109
Baseline-established significant traffic increase (2001)	3,555
Baseline-established 1% increase trigger (2001)	3,591
Result (falls below the 90% confidence interval by 96 vehicles)	-96
Result (falls below the 1% increase trigger by 132 vehicles)	-132



Stanford University Traffic Monitoring Report – 2011 Monitoring Report

This report represents the 2011 Monitoring Report. The count dates for the 2011 Monitoring Report were as follows:

- Week of April 18, 2011
- Week of April 25, 2011
- Week of May 2, 2011
- Week of May 9, 2011
- Week of May 16, 2011
- Week of May 23, 2011
- Week of October 24, 2011
- Week of October 31, 2011

The 2011 Monitoring Report concluded that the adjusted AM inbound count totaled 3,081 vehicles. This represents a decrease of 238 vehicles from baseline, which falls within the 90-percent confidence interval and does not represent a significant AM inbound traffic increase. The PM outbound count totaled 3,743 vehicles, which is an increase of 297 vehicles from the baseline, which is above the 90-percent confidence interval by 188 vehicles and above the one-percent increase trigger by 152 vehicles. The following is a summary of the results of the 2011 Monitoring Report.

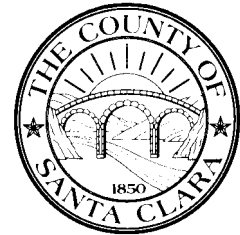
Inbound AM:

Adjusted average 2011 count	3,081
2001 baseline	3319
Baseline-established 90% confidence interval (2001)	+/- 120
Baseline-established significant traffic increase (2001)	3,439
Baseline-established 1% increase trigger (2001)	3,474
Result (falls below the 90% confidence interval by 358 vehicles)	-358
Result (falls below the 1% increase trigger by 393 vehicles)	-393

Outbound PM:

Adjusted average 2011 count	3,743
2001 baseline	3446
Baseline-established 90% confidence interval (2001)	+/- 109
Baseline-established significant traffic increase (2001)	3,555
Baseline-established 1% increase trigger (2001)	3,591
Result (exceeds the 90% confidence interval by 188 vehicles)	+188
Result (exceeds the 1% trigger by 152 vehicles)	+152

The 2000 Stanford GUP Condition G.8. specifies that the County will recognize and “credit” Stanford off-campus trip reduction efforts within defined geographic boundaries. These credits will be applied to Stanford’s attainment of the “no net new commute trip” standard. In 2003, Stanford and the County discussed potential methodologies for providing credits to Stanford. The County developed draft guidelines, which were reviewed by the Community Resource Group, and the Planning Office approved the final guidelines on October 9, 2003. These guidelines are presented in the “Stanford Traffic Cordon Count Credit Guidelines” dated October 28, 2003.



On February 24, 2012, Stanford submitted a 2011 trip credit report that was reviewed by AECOM. This report documented a credit of 203 trips for the increase in the number of bus trips across the cordon points and the number of transit passengers served outside the cordon area in the PM peak hour between the 2001 baseline and 2011. As outlined in the adopted guidelines, full credits are claimed for trips in the peak commute direction and 1/3 credit claimed for trips in the reverse direction. As summarized below, with the trip credit of 203 trips Stanford does not exceed the no net new commute trip standard based on the 2011 monitoring program.

Outbound PM:

Adjusted average 2011 count	3,743
2001 baseline	3446
Baseline-established 90% confidence interval (2001)	+/- 109
Baseline-established significant traffic increase (2001)	3,555
Baseline-established 1% increase trigger (2001)	3,591
Result (exceeds the 90% confidence interval by 188 vehicles)	+188
Result (exceeds the 1% trigger by 152 vehicles)	+152
2011 trip credit	-203
Result with trip credit (falls below the 1% trigger by 51 vehicles)	-51

County of Santa Clara

Environmental Resources Agency

Planning Office

County Government Center, East Wing, 7th Floor

70 West Hedding Street, 7th Floor

San Jose, California 95110

(408) 299-5770 FAX (408) 288-9198

www.sccplanning.org



County Planning Office Project Management

Nash Gonzalez, Director, Department of Planning and Development

Gary Rudholm, Senior Planner

Kavitha Kumar, Associate Planner, Project Manager: Stanford University Environmental Mitigation Monitoring and Reporting Program

County Roads and Airports Review Team

Masoud Akbarzadeh, PE, Traffic Engineer

Suhil Kandah, PE, Associate Civil Engineer

AECOM

Dennis Struecker, PE, Department Manager

Aleksandr Zabyshny, PE, Project Manager

Stanford Coordination Contact

Brodie Hamilton, Director, Parking and Transportation Services

Contact Information

For further information, regarding this document or other Stanford University Community Plan and General Uses Permit policy issues, contact the County Planning Office by phone or visit our web site.

PHONE: (408) 299-5770

WEB SITE: www.sccplanning.org

INTRODUCTION

This report presents the traffic and parking data that have been collected at Stanford University by AECOM during the monitoring periods of 2011. Traffic volumes were collected for six weeks during the Spring 2011 and two weeks during the Fall 2011. The Spring counts were conducted for the weeks of April 18, April 25, May 2, May 9, May 16 and May 23. The Fall counts were conducted for the weeks of October 24 and October 31. The data include vehicle counts at all of the access points to the campus and parking lots. Parking lot counts and cut-through percentages were used to adjust the raw traffic counts in order to determine the total amount of peak hour traffic generated by Stanford University. The parking data were used to add in campus traffic that parks outside of the count area and subtract out hospital traffic parking inside the count area. License plate surveys were used to calculate the amount of traffic that cuts through the campus and thus is not University-generated traffic. Data collection methodology is described in greater detail in Task 1. A description of the data analysis procedures is presented in Task 2. The data collected in calendar year 2011 is compared to the baseline counts collected in calendar year 2001. Differences between the two years are then analyzed to determine if traffic is increasing to a significant degree.

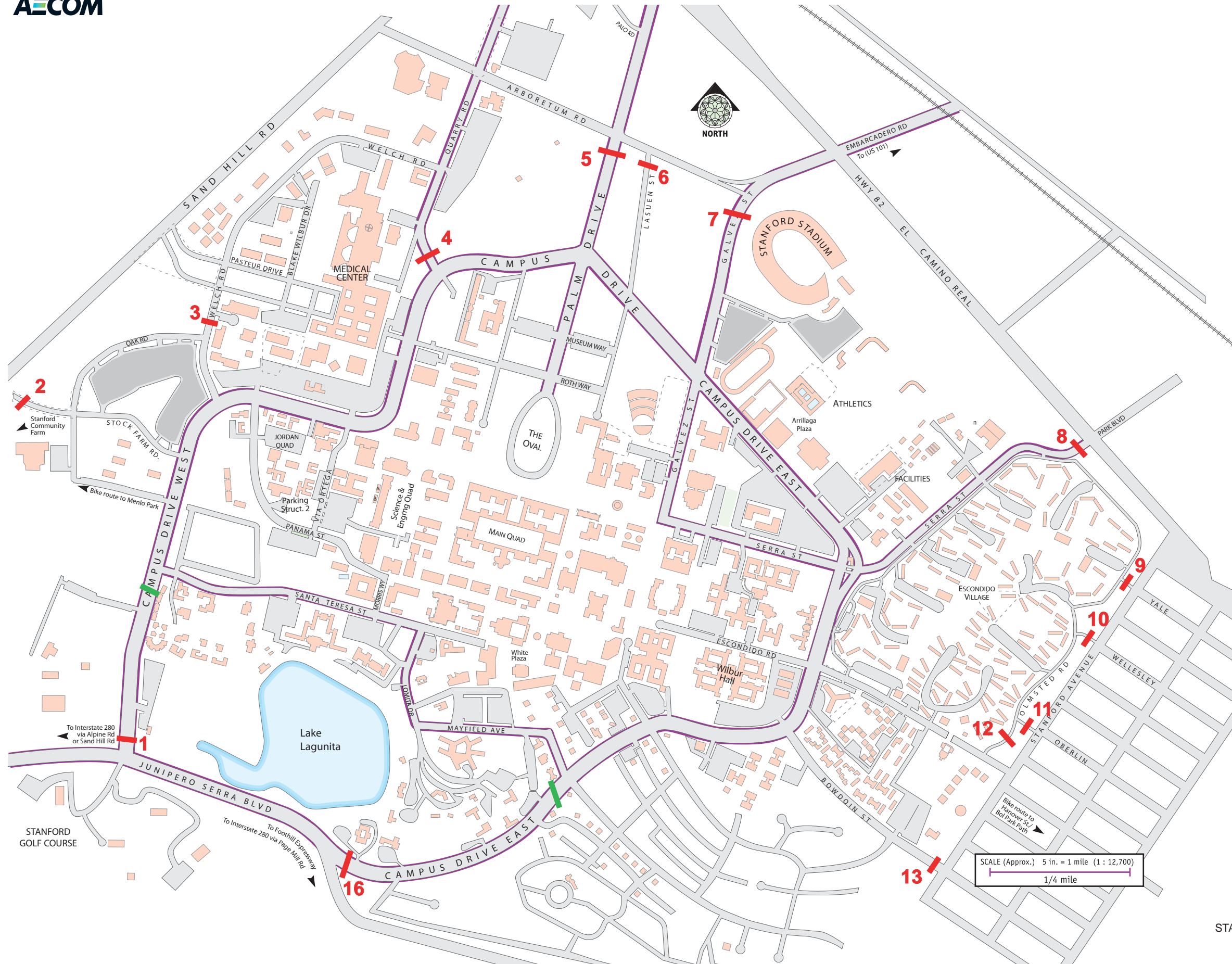
Task 1.0 Traffic Monitoring Data Collection Methodology

Data collection is a critical component of the traffic monitoring program. The following work elements were conducted to collect all relevant traffic data for the monitoring program.

Task 1.1 Machine Cordon Line Traffic Counts

Directional traffic counts were collected at Stanford University for eight weeks in 2011 on each of the 16 roadways that provide access to and from the campus. The locations of the 16 cordon counts are listed below and shown graphically in Figure 1 and Figure 2.

1. Campus Drive West, north of Junipero Serra Boulevard
2. Stock Farm Road, east of Sand Hill Road
3. Welch Road, north of Oak Road
4. Quarry Road, north of Campus Drive West
5. Palm Drive, south of Arboretum Road
6. Lausen Street, south of Arboretum Road
7. Galvez Street, south of Arboretum Road
8. Serra Street, southwest of El Camino Real
9. Yale Street, west of Stanford Avenue
10. Wellesley Street, west of Stanford Avenue
11. Oberlin Street, west of Stanford Avenue
12. Olmsted Road, north of Escondido Road
13. Bowdoin Street, west of Stanford Avenue
14. Raimundo Way, west of Stanford Avenue
15. Santa Maria Avenue, north of Junipero Serra Boulevard
16. Campus Drive East, east of Junipero Serra Boulevard



Cordon Count Locations

1. Campus Drive West north of Junipero Serra Blvd.
2. Stock Farm Road east of Sand Hill Road
3. Welch Road north of Oak Road
4. Quarry Road north of Campus Drive
5. Palm Drive south of Arboretum Road
6. Lasuen Street south of Arboretum Road
7. Galvez Street south of Arboretum Road
8. Serra Street southwest of El Camino Real
9. Yale Street west of Stanford Avenue
10. Wellesley Street west of Stanford Avenue
11. Oberlin Street west of Stanford Avenue
12. Olmsted Road north of Escondido Road
13. Bowdoin west of Stanford Avenue
14. Raimundo west of Stanford Avenue
15. Santa Maria Avenue north of Junipero Serra Blvd.
16. Campus Drive East east of Junipero Serra Blvd.

NOTES

License plate survey for Location 1 and Location 16 shifted for more accurate recording. Cordon tube counts continued at campus boundary.

Escondido Drive no longer continuous street from Campus Drive East to Stanford Avenue.

SCALE (Approx.) 5 in. = 1 mile (1 : 12,700)

 1/4 mile

For count locations 14 and 15 see Figure 2

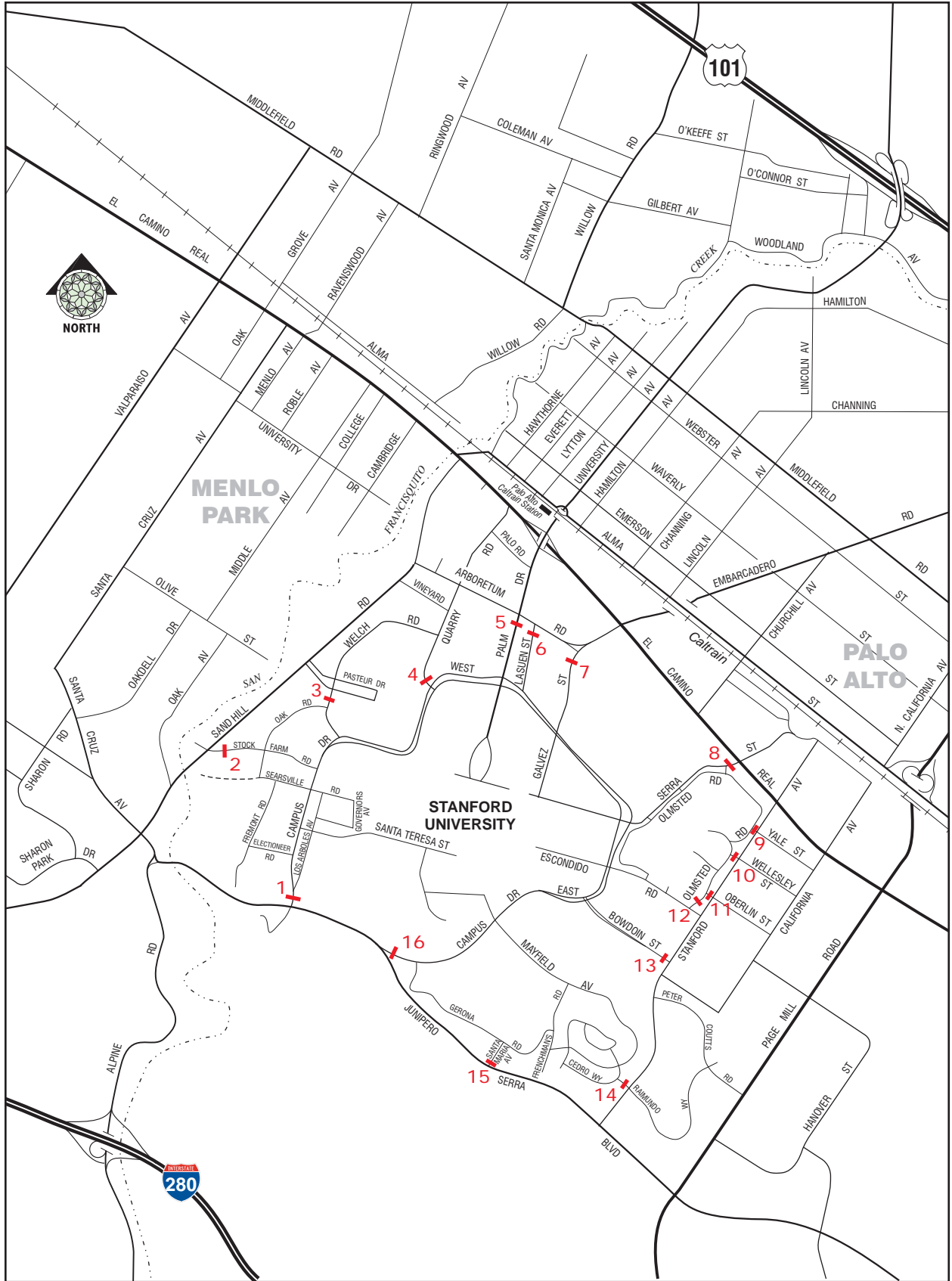


Figure 2
DAILY MACHINE CORDON COUNT LOCATIONS

The detailed traffic counts at the 16 cordon locations are presented in Appendix A and are summarized in Table 1. Table 1 shows the AM inbound and PM outbound peak hour volumes for each day that the traffic is monitored. As indicated in Table 1, the AM peak hour usually occurred from 8:00 to 9:00 and the PM peak hour generally occurred between 5:00 to 6:00. The unadjusted AM inbound traffic volumes ranged from a low of 3,536 on Friday, May 27 to a high of 4,279 on Wednesday, November 2. The PM peak hour traffic volumes ranged from a low of 4,098 on Friday, May 27 to a high of 5,185 on Wednesday, October 26.

Task 1.2 Parking Lot Driveway Counts

There are two parking lots (L1 – Rectangle Lot and L2 – Quarry Lot) outside the cordon line that serve some campus uses. There are also two parking lots (L3 and L5 – Stock Farm Road Lot) along with parking structures 1 (PS1) and 3 (PS3) that are inside the established cordon line that serve some hospital uses. Parking lot 4 (L4) no longer exists. Parking lot L6 is also located inside the cordon and serves buses only. Traffic was counted by direction into and out of these parking lots during the entire count period. The detailed count sheets for the driveway traffic at these lots are included in Appendix B.

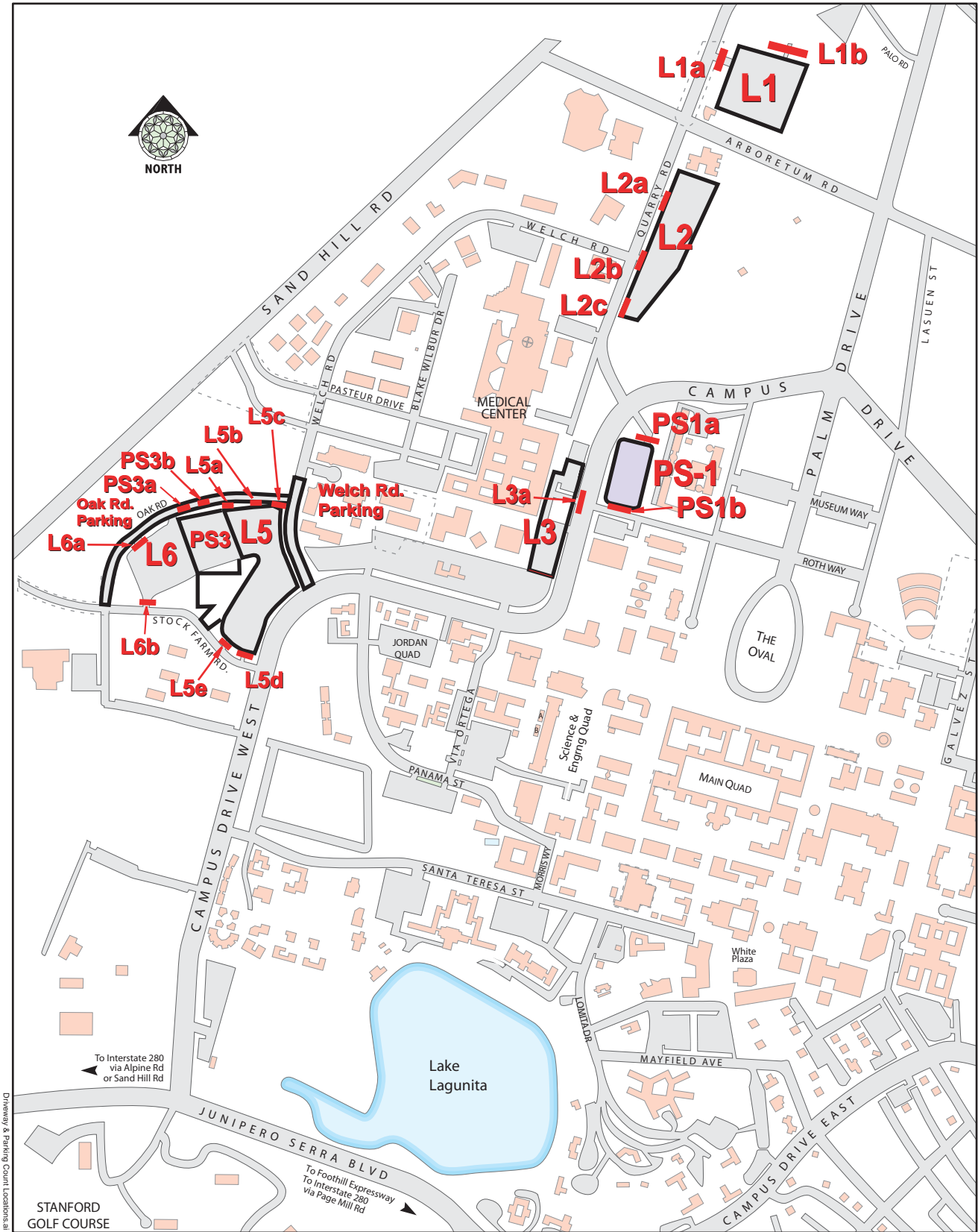
The driveway count locations are presented below and in Figure 3.

1. PS1a – Parking Structure 1 North Access to Campus Drive
2. PS1b – Parking Structure 1 South Access to Roth Way
3. PS3a – Parking Structure 3 Northwest Access
4. PS3b – Parking Structure 3 Northeast Access
5. L1a – Rectangle Lot (Lot 1) Quarry Road Access
6. L1b – Rectangle Lot (Lot 1) North Access
7. L2a – Quarry Lot (Lot 2) North Access to Quarry Road
8. L2b – Quarry Lot (Lot 2) Middle Access to Quarry Road
9. L2c – Quarry Lot (Lot 2) South Access to Quarry Road
10. L3a – Near Medical Drive, west of Campus Drive
11. L5a – West Driveway to Lot 5 from Oak Road
12. L5b – Center Driveway to Lot 5 from Oak Road
13. L5c – East Driveway to Lot 5 from Oak Road
14. L5d – East Driveway to Lot 5 from Stock Farm Road
15. L5e – West Driveway to Lot 5 from Stock Farm Road
16. L6a – West Driveway to Lot 6 from Oak Road
17. L6b – South Driveway to Lot 6 from Stockfarm Road

Hospital trips from parking lots inside the cordon line were subtracted from the cordon counts, while campus trips from lots outside the cordon line were added to the cordon counts. This was done to properly account for all trips generated by Stanford University and to differentiate them from trips generated by other adjacent land uses, particularly the medical complex.

Table 1 2011 Raw Traffic Count Summary

Date	AM INBOUND			PM OUTBOUND		
	Weather	Volume	Period	Weather	Volume	Period
Week 1						
April 18, 2011	Overcast	3775	7:45 to 8:45	Overcast	4421	4:45 to 5:45
April 19, 2011	Overcast	3878	8:00 to 9:00	Mostly Cloudy	4432	5:00 to 6:00
April 20, 2011	Mostly Cloudy	3835	8:00 to 9:00	Mostly Cloudy	4405	5:00 to 6:00
April 21, 2011	Mostly Cloudy	3774	8:00 to 9:00	Scattered Clouds	4423	4:45 to 5:45
April 22, 2011	Overcast	3614	7:45 to 8:45	Overcast	4300	5:00 to 6:00
Week 2						
April 25, 2011	Overcast	3818	8:00 to 9:00	Mostly Cloudy	4355	5:00 to 6:00
April 26, 2011	Scattered Clouds	3950	8:00 to 9:00	Clear	4494	5:00 to 6:00
April 27, 2011	Partly Cloudy	3875	8:00 to 9:00	Mostly Cloudy	4539	5:00 to 6:00
April 28, 2011	Overcast	4047	8:00 to 9:00	Partly Cloudy	4743	5:00 to 6:00
April 29, 2011	Clear	3887	8:00 to 9:00	Clear	4877	4:45 to 5:45
Week 3						
May 2, 2011	Clear	4079	8:00 to 9:00	Partly Cloudy	4259	5:00 to 6:00
May 3, 2011	Partly Cloudy	3969	8:00 to 9:00	Clear	4555	5:00 to 6:00
May 4, 2011	Clear	3972	8:00 to 9:00	Clear	4627	5:00 to 6:00
May 5, 2011	Clear	3973	8:00 to 9:00	Partly Cloudy	4511	5:00 to 6:00
May 6, 2011	Partly Cloudy	3650	8:00 to 9:00	Partly Cloudy	4565	4:45 to 5:45
Week 4						
May 9, 2011	Overcast	3914	8:00 to 9:00	Scattered Clouds	4321	5:00 to 6:00
May 10, 2011	Clear	4005	8:00 to 9:00	Clear	4540	5:00 to 6:00
May 11, 2011	Overcast	3972	8:00 to 9:00	Partly Cloudy	4634	4:45 to 5:45
May 12, 2011	Overcast	3814	8:00 to 9:00	Clear	4487	5:00 to 6:00
May 13, 2011	Clear	3736	8:00 to 9:00	Scattered Clouds	4511	5:00 to 6:00
Week 5						
May 16, 2011	Overcast	3882	8:00 to 9:00	Overcast	4400	5:00 to 6:00
May 17, 2011	Overcast	3958	8:00 to 9:00	Overcast	4387	5:00 to 6:00
May 18, 2011	Mostly Cloudy	3956	8:00 to 9:00	Scattered Clouds	4690	5:00 to 6:00
May 19, 2011	Clear	3968	8:00 to 9:00	Partly Cloudy	4488	5:00 to 6:00
May 20, 2011	Mostly Cloudy	3816	8:00 to 9:00	Mostly Cloudy	4807	5:00 to 6:00
Week 6						
May 23, 2011	Mostly Cloudy	3850	8:00 to 9:00	Partly Cloudy	4647	5:00 to 6:00
May 24, 2011	Clear	3954	8:00 to 9:00	Clear	4809	5:00 to 6:00
May 25, 2011	Mostly Cloudy	3935	8:00 to 9:00	Scattered Clouds	4555	5:00 to 6:00
May 26, 2011	Mostly Cloudy	3836	8:00 to 9:00	Scattered Clouds	4696	5:00 to 6:00
May 27, 2011	Mostly Cloudy	3536	8:00 to 9:00	Scattered Clouds	4098	5:00 to 6:00
Week 7						
October 24, 2011	Mostly Cloudy	4009	7:45 to 8:45	Mostly Cloudy	4383	5:00 to 6:00
October 25, 2011	Scattered Clouds	4152	8:00 to 9:00	Clear	4436	5:00 to 6:00
October 26, 2011	Clear	4177	8:00 to 9:00	Clear	5185	5:00 to 6:00
October 27, 2011	Partly Cloudy	4116	7:45 to 8:45	Partly Cloudy	4541	5:00 to 6:00
October 28, 2011	Clear	3890	7:45 to 8:45	Clear	4495	4:45 to 5:45
Week 8						
October 31, 2011	Clear	3854	7:45 to 8:45	Clear	4396	4:30 to 5:30
November 1, 2011	Clear	4187	7:45 to 8:45	Partly Cloudy	4379	5:00 to 6:00
November 2, 2011	Partly Cloudy	4279	8:00 to 9:00	Clear	4587	5:00 to 6:00
November 3, 2011	Partly Cloudy	4218	8:00 to 9:00	Overcast	4779	5:00 to 6:00
November 4, 2011	Mostly Cloudy	4120	7:45 to 8:45	Partly Cloudy	4789	4:45 to 5:45



STANFORD UNIVERSITY TRAFFIC MONITORING REPORT

Figure 3
DRIVEWAY AND PARKING
COUNT LOCATIONS

Task 1.3 Parking Permit Scanning/Count

At the beginning and end of both the morning and evening peak periods, the number of vehicles in each of the lots identified in Figure 3 was counted. The exception is Lot 6, which is a bus only parking lot. Each vehicle permit was also scanned to determine if it was related to campus or hospital uses. Campus and Medical Center vehicles were identified by windshield stickers stating Campus or Hospital. Both campus- and hospital-related parking stickers were purple or orange in color with white lettering for campus-related and orange lettering for hospital-related vehicles. Also, Parking and Transportation Services (P&TS) permits were issued to construction crews involved in Stanford Hospital expansion activities. Vehicles displaying P&TS permits were treated as hospital-related vehicles.

If campus parking permits were observed in lots outside the cordon area, they were added to the cordon count. If hospital-related vehicles were observed inside the cordon area, they were subtracted from the cordon count. All vehicles without a parking permit were assumed to be campus trips.

On-street parking on Oak Road between Stock Farm Road and Welch Road, and on Welch Road between Campus Drive West and the cordon station just north of Oak Road was counted and classified in the same manner as described above. Since these on-street parking facilities are located within the cordon line, hospital vehicles were subtracted out from the cordon count and no adjustment was made to add in campus trips.

AECOM used the parking counts described in Task 1.2 and Task 1.3 to adjust the raw traffic counts. The parking lot and on-street parking occupancy data are included in Appendix B along with the parking counts.

Task 1.4 License Plate Survey

The purpose of the license plate survey was to identify vehicles that are only passing through the Stanford campus, not beginning or ending their trip there. License plate numbers were recorded for vehicles entering and leaving each cordon location. Vehicles that entered the cordon and left within a period of 15 minutes were considered to be “cut-through” vehicles. Surveys were done during one day each week for both of the peak hours. The license plate matching process showed that during the Spring counts the average AM and PM cut-through percentages were 13.33 percent and 14.48 percent, respectively. During the Fall counts, the AM cut-through percentage was 12.28 percent while the PM cut-through percentage was 13.36 percent. The average Spring and Fall percentages were used to adjust their respective vehicle counts.

Task 2.0 Traffic Monitoring Data Analysis

Task 2.1 Daily Cordon Count Spreadsheets

First, the raw cordon count numbers were entered into spreadsheets. Two spreadsheets – one for the AM peak period and one for the PM peak period – were

created for each weekday that a cordon count was conducted. Each spreadsheet shows the AM inbound and PM outbound vehicles passing all 16 cordon locations during five hourly increments. For the AM peak, the hours were 7:00-8:00, 7:15-8:15, 7:30-8:30, 7:45-8:45, and 8:00-9:00. For the PM peak, the hours were 4:00-5:00, 4:15-5:15, 4:30-5:30, 4:45-5:45, and 5:00-6:00. Since cordon counts were collected for eight weeks, there are a total of 80 daily cordon count spreadsheets (40 AM and 40 PM). These sheets are included in Appendix C of this report.

Task 2.2 Daily Parking Spreadsheets

The number of vehicles entering and exiting the parking lots in the vicinity of the Stanford Medical Center was also monitored during the eight-week period. The AM inbound and PM outbound volumes at all lot entrances were entered into spreadsheets for the AM and PM peak periods of each day just as described for the cordon counts in Task 2.1. All 80 daily parking spreadsheets are included in Appendix D.

Task 2.3 Adjustments For Parking and Cut-Through Vehicles

The parking sticker counts performed at the lots were used to compute the percentage of campus and hospital vehicles present in each lot during the AM and PM peak hours. Since a sticker survey was done at the beginning and end of each two-hour peak period count, the two values for every lot were averaged. Sticker surveys were completed for both peak hours of one day during each week.

The parking lot AM inbound and PM outbound volumes were used along with the averaged campus and hospital vehicle percentages to adjust the cordon count spreadsheets. Since Lot 1 and Lot 2 are outside of the cordon boundary, some campus-related vehicles would park in these lots and not get counted in the cordon count. To add these vehicles to the cordon count, the respective average percentages of campus vehicles in these lots were multiplied by the relevant volumes (either AM inbound or PM outbound, depending on the peak period) at each lot entrance (from Task 2.2), and the results then added to the cordon counts.

During the Fall counts, only vehicles related to hospital construction activities used parking lot access L1b (the access led to a fenced-off construction support area). To use access L1b, these vehicles had to cut-through parking lot L1 entering and exiting using access L1a. Therefore, these vehicles were counted at access L1a but were not captured in the parking permit scanning at this lot since they used access L1b to park in the construction support area. To account for this discrepancy, the Fall counts at access L1a were adjusted in the following manner: the L1a AM inbound counts were reduced by the L1b outbound counts; and the L1a PM outbound counts were reduced by the L1b inbound counts.

Lot 3 and Lot 5, as well as the two parking structures (PS-1 and PS-3), are located inside the cordon boundary. Thus, hospital-related vehicles parking in these lots need to be subtracted out of the cordon counts. To do this, the respective average percentages of hospital-related vehicles were multiplied by the either AM inbound or PM outbound volumes (depending on the peak period) at each respective lot

entrance (from Task 2.2), and then the resulting values subtracted from the cordon counts.

A parking sticker survey was also conducted at two on-street locations during the same days as the surveys for the parking lots. The streets surveyed were Oak Road and the portion of Welch Road between Campus Drive West and the cordon location just north of Oak Road. Since both streets are inside the cordon, only the hospital vehicles were of importance. If more hospital vehicles were present at the end of the period than at the beginning, the change in vehicles was subtracted from the inbound totals for that period. If fewer hospital vehicles were present at the end of the period, the difference was subtracted from the outbound totals.

The average observed cut-through traffic percentages during the Spring monitoring period were about 13.33 percent in the AM peak hour and 14.48 percent in the PM peak hour. During the Fall counts, the AM cut-through percentage was 12.28 percent while the PM cut-through percentage was 13.36 percent. The traffic counts were reduced by these percentages in order to subtract out vehicles lacking a destination within the Stanford University campus. Spreadsheets showing the detailed license plate matching data are shown in Appendix E. The 80 cordon counts adjusted for parking lot factors and cut-through traffic are shown in Table 2 with the average AM inbound and PM outbound traffic volumes and the peak hour time periods. Table 3 shows the traffic data collected in the 2001 baseline Stanford Traffic Monitoring Program, including the baseline average and the 90% confidence interval.

INBOUND AM TRAFFIC

The 2001 baseline counts determined that an average of 3,439 inbound vehicles during the AM peak hour would constitute a significant increase in traffic at the 90-percent confidence level. The 2011 AM inbound adjusted average of 3,081 vehicles does not represent a statistically significant increase over the AM baseline average with an upper threshold of 3,439 at the 90-percent confidence level. The average AM inbound volume of 3,081 vehicles is in fact 358 vehicles lower than the +90-percent confidence level. A scatter plot of the 2011 AM inbound data is shown in Figure 4. Lines representing the baseline average, baseline 90-percent confidence interval, and 2011 average are also shown in this figure. As shown in Figure 4, the average 2011 AM inbound volume is lower than the 90-percent confidence interval boundary established in 2001.

OUTBOUND PM TRAFFIC

The 2001 baseline counts determined that an average of 3,555 outbound vehicles during the PM peak hour would constitute a significant increase in traffic at the 90-percent confidence level. The 2011 PM outbound adjusted average of 3,743 exceeds the +90-percent confidence interval by 188 vehicles. The one-percent significant increase trigger was developed from 2001 baseline counts as 3,591 vehicles. The average 2011 PM outbound volume exceeds the one-percent significant increase trigger by 152 vehicles. A scatter plot of the 2011 PM outbound data is shown in Figure 5. Lines representing the baseline average, baseline 90-percent confidence interval, and 2011 average are shown in this figure. As shown in Figure 5, the average 2011 PM outbound volume is above the +90-percent confidence level. The following section addresses the analysis of 2011 PM trip credits for off-campus trip reduction efforts.

Table 2 2011 Adjusted Traffic Totals

Date	AM INBOUND		PM OUTBOUND	
	Volume	Period	Volume	Period
Week 1				
April 18, 2011	2985	7:45 to 8:45	3649	4:45 to 5:45
April 19, 2011	3074	8:00 to 9:00	3653	5:00 to 6:00
April 20, 2011	3011	8:00 to 9:00	3610	5:00 to 6:00
April 21, 2011	2968	8:00 to 9:00	3651	4:45 to 5:45
April 22, 2011	2826	7:45 to 8:45	3543	5:00 to 6:00
Week 2				
April 25, 2011	2994	8:00 to 9:00	3577	5:00 to 6:00
April 26, 2011	3077	8:00 to 9:00	3696	5:00 to 6:00
April 27, 2011	3007	8:00 to 9:00	3749	5:00 to 6:00
April 28, 2011	3156	8:00 to 9:00	3906	5:00 to 6:00
April 29, 2011	3065	8:00 to 9:00	4022	4:45 to 5:45
Week 3				
May 2, 2011	3217	8:00 to 9:00	3514	5:00 to 6:00
May 3, 2011	3106	8:00 to 9:00	3751	5:00 to 6:00
May 4, 2011	3139	8:00 to 9:00	3809	5:00 to 6:00
May 5, 2011	3128	8:00 to 9:00	3718	5:00 to 6:00
May 6, 2011	2870	8:00 to 9:00	3771	4:45 to 5:45
Week 4				
May 9, 2011	3066	8:00 to 9:00	3570	5:00 to 6:00
May 10, 2011	3123	8:00 to 9:00	3747	5:00 to 6:00
May 11, 2011	3121	8:00 to 9:00	3821	4:45 to 5:45
May 12, 2011	2981	8:00 to 9:00	3690	5:00 to 6:00
May 13, 2011	2931	8:00 to 9:00	3731	5:00 to 6:00
Week 5				
May 16, 2011	3046	8:00 to 9:00	3633	5:00 to 6:00
May 17, 2011	3127	8:00 to 9:00	3611	5:00 to 6:00
May 18, 2011	3099	8:00 to 9:00	3867	5:00 to 6:00
May 19, 2011	3126	8:00 to 9:00	3708	5:00 to 6:00
May 20, 2011	2984	8:00 to 9:00	3971	5:00 to 6:00
Week 6				
May 23, 2011	3057	8:00 to 9:00	3857	5:00 to 6:00
May 24, 2011	3122	8:00 to 9:00	3992	5:00 to 6:00
May 25, 2011	3117	8:00 to 9:00	3772	5:00 to 6:00
May 26, 2011	3000	8:00 to 9:00	3894	5:00 to 6:00
May 27, 2011	2785	8:00 to 9:00	3400	5:00 to 6:00
Week 7				
October 24, 2011	3140	7:45 to 8:45	3600	5:00 to 6:00
October 25, 2011	3218	8:00 to 9:00	3649	5:00 to 6:00
October 26, 2011	3272	8:00 to 9:00	4301	5:00 to 6:00
October 27, 2011	3220	7:45 to 8:45	3755	5:00 to 6:00
October 28, 2011	3020	7:45 to 8:45	3719	4:45 to 5:45
Week 8				
October 31, 2011	3018	7:45 to 8:45	3623	4:30 to 5:30
November 1, 2011	3275	7:45 to 8:45	3586	5:00 to 6:00
November 2, 2011	3315	8:00 to 9:00	3736	5:00 to 6:00
November 3, 2011	3271	8:00 to 9:00	3955	5:00 to 6:00
November 4, 2011	3186	7:45 to 8:45	3933	4:45 to 5:45
Average	3,081		3,743	

Table 3 2001 Baseline Adjusted Traffic Totals

Date	AM INBOUND		PM OUTBOUND	
	Volume	Period	Volume	Period
Week 1				
April 2, 2001	3036	7:45 to 8:45	3323	5:00 to 6:00
April 3, 2001	3059	7:45 to 8:45	3285	4:45 to 5:45
April 4, 2001	2884	8:00 to 9:00	3334	4:45 to 5:45
April 5, 2001	3000	7:45 to 8:45	3216	5:00 to 6:00
April 6, 2001	2610	8:00 to 9:00	3092	4:45 to 5:45
Week 2				
April 9, 2001	3265	8:00 to 9:00	3329	5:00 to 6:00
April 10, 2001	3141	8:00 to 9:00	3362	5:00 to 6:00
April 11, 2001	3107	8:00 to 9:00	3473	4:45 to 5:45
April 12, 2001	3081	8:00 to 9:00	3397	5:00 to 6:00
April 13, 2001	2973	8:00 to 9:00	3413	4:45 to 5:45
Week 3				
April 23, 2001	3285	7:45 to 8:45	3311	4:30 to 5:30
April 24, 2001	3322	7:45 to 8:45	3281	5:00 to 6:00
April 25, 2001	3186	7:30 to 8:30	3326	4:45 to 5:45
April 26, 2001	3129	7:45 to 8:45	3286	5:00 to 6:00
April 27, 2001	2723	8:00 to 9:00	3154	4:45 to 5:45
Week 4				
April 30, 2001	2502	7:30 to 8:30	2681	4:15 to 5:15
May 1, 2001	2826	7:45 to 8:45	2967	5:00 to 6:00
May 2, 2001	2742	7:45 to 8:45	2912	5:00 to 6:00
May 3, 2001	2632	8:00 to 9:00	2861	5:00 to 6:00
May 4, 2001	2595	8:00 to 9:00	2744	4:45 to 5:45
Week 5				
May 7 2001	3604	8:00 to 9:00	3410	4:45 to 5:45
May 8, 2001	3559	8:00 to 9:00	3422	5:00 to 6:00
May 9, 2001	3455	8:00 to 9:00	3326	5:00 to 6:00
May 10, 2001	3478	8:00 to 9:00	3396	4:45 to 5:45
May 11, 2001	3393	8:00 to 9:00	3090	5:00 to 6:00
Week 6				
May 14 2001	3479	8:00 to 9:00	3235	4:45 to 5:45
May 15, 2001	3756	8:00 to 9:00	3450	5:00 to 6:00
May 16, 2001	3830	8:00 to 9:00	3374	5:00 to 6:00
May 17, 2001	3533	8:00 to 9:00	3456	5:00 to 6:00
May 18, 2001	3246	8:00 to 9:00	3386	4:45 to 5:45
Week 7				
October 22, 2001	3221	8:00 to 9:00	3505	5:00 to 6:00
October 23, 2001	3835	8:00 to 9:00	3805	5:00 to 6:00
October 24, 2001	3550	8:00 to 9:00	3959	5:00 to 6:00
October 25, 2001	3908	7:45 to 8:45	3991	5:00 to 6:00
October 26, 2001	3371	8:00 to 9:00	4072	4:45 to 5:45
Week 8				
October 29, 2001	4241	8:00 to 9:00	4115	5:00 to 6:00
October 30, 2001	4251	8:00 to 9:00	4217	5:00 to 6:00
October 31, 2001	4139	8:00 to 9:00	4394	5:00 to 6:00
November 1, 2001	4037	8:00 to 9:00	4193	5:00 to 6:00
November 2, 2001	3789	7:45 to 8:45	4277	5:00 to 6:00
Average	3,319		3,446	
90% confidence interval	+/- 120		+/- 109	

Figure 4 2011 AM Peak Inbound vs. 2001 Baseline

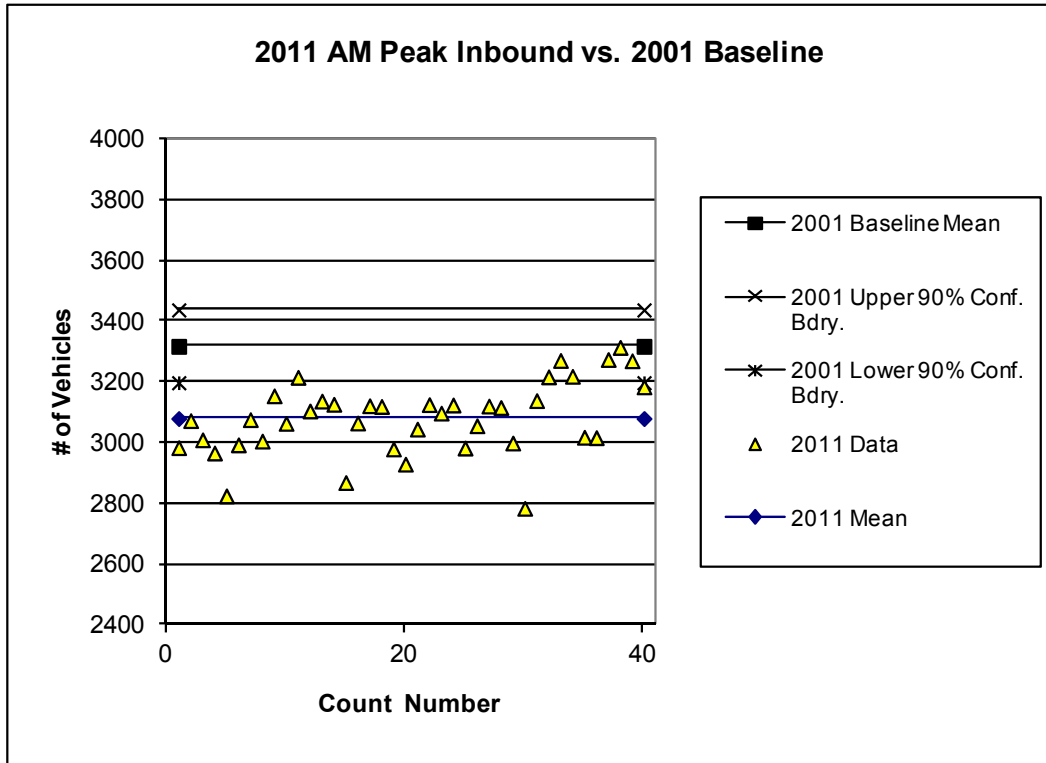
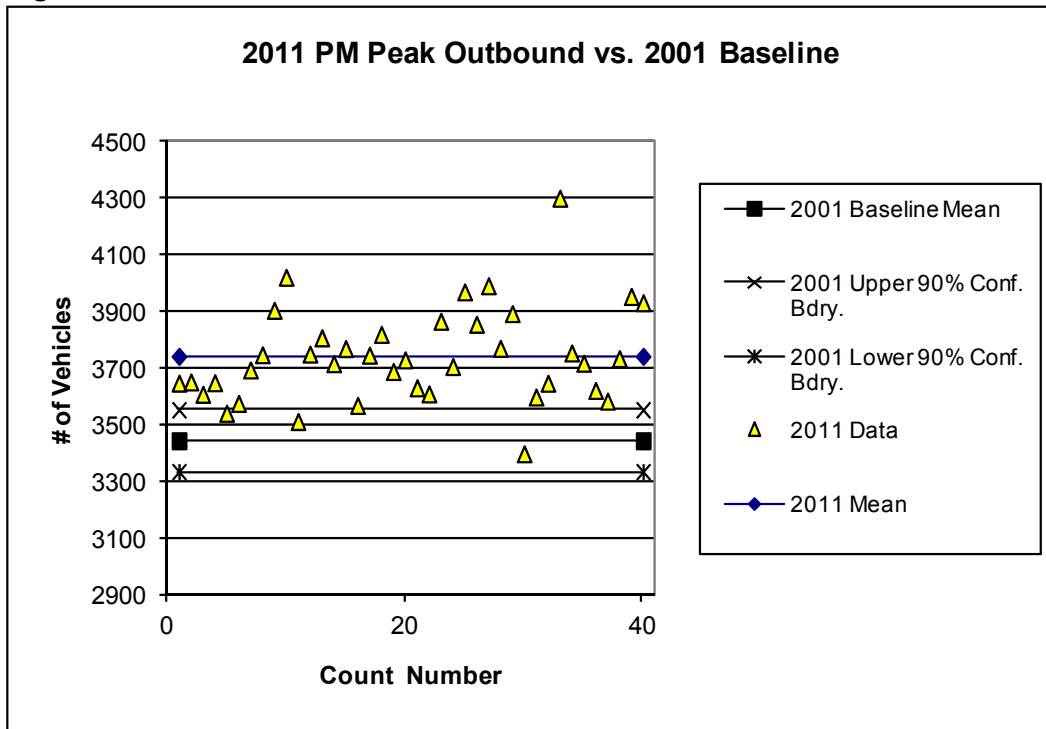


Figure 5 2011 PM Peak Outbound vs. 2001 Baseline



2011 PM PEAK HOUR TRIP CREDITS

The 2000 Stanford GUP Condition G.8 specifies that the County will recognize and “credit” Stanford off-campus trip reduction efforts within defined geographic boundaries. These credits will be applied to Stanford’s attainment of the “no net new commute trip” standard. In 2003, Stanford and the County discussed potential methodologies for providing credits to Stanford. The County developed draft guidelines, which were reviewed by the Community Resource Group, and the Planning Office approved the final guidelines on October 9, 2003. These guidelines are presented in the “Stanford Traffic Cordon Count Credit Guidelines” dated October 28, 2003.

Stanford University’s cordon count credits for 2011 are related to the increase in the number of bus trips across the cordon points and the number of passengers served outside the cordon area, but within the area outlined in the guidelines, traveling in the PM peak hour. The credits compare the level of activity in 2000 to that in 2011. An average of 36.15 peak hour non-campus riders were estimated on the Marguerite A and B lines between 5:00 p.m. and 6:00 p.m. in the base year. The average number of shuttle crossings over the cordon points in the base year is 27.00.

The number of boardings and alightings were measured on each Marguerite shuttle bus in 2011 using the shuttle system’s Automated Transportation Management System. Most of the credits claimed are for the 206.34 average passengers getting on the shuttle outside the cordon and traveling to one of the Caltrain stations in the area, i.e. the Palo Alto Caltrain Station, the California Caltrain Station, and the Menlo Park Caltrain Station. Marguerite system passengers traveling in the opposite direction for which 1/3 credits trip are awarded, contribute to an average of 1.23 credits claimed. Other credits are claimed for peak hour trips outside the cordon area, including an average of 28.04 credits for Stanford Hospital employees using the U-line to reach the East Bay Express and 30.60 credits are claimed for the average number of shuttle crossings over the cordon points in the peak direction.

Based on the trip credits discussed above, there are a total of 266.21 trip credits in 2011 [$206.34 + 1.23 + 28.04 + 30.60 = 266.21$]. The net trips credits are then calculated by subtracting the average number of non-campus riders on the shuttle system in the base year [36.15] and the base year average of shuttle crossings over the cordon points [27.00] from 266.21 to get the 2011 PM peak hour trip credit of 203.06 trips ($266.21 - 36.15 - 27.00 = 203.06$).

CONCLUSION

The 2011 AM inbound count of 3,081 vehicles is 238 vehicles lower than the baseline 2001 AM inbound count, 358 vehicles lower than the upper boundary of the 90-percent confidence interval, and 393 vehicles lower than the established one-percent trigger.

The 2011 PM outbound count totaled 3,743 vehicles, which is an increase of 297 vehicles from the baseline 2001 PM outbound count. The 2011 PM outbound count exceeds the upper boundary of the 90-percent confidence interval by 188 vehicles and 152 vehicles greater than the established one-percent trigger. However, after applying the 203 trip credits, the PM peak outbound count is 51 trips below the one-percent trigger. Therefore, this increase is not

significant. Mitigation measures are required if the trigger is exceeded in two out of three consecutive years for the same peak hour.

Table 4 summarizes the comparison between the baseline 2001 counts and the 2011 monitoring counts, including the applicable trip credits.

Table 4: 2011 Monitoring Comparison to Baseline

Inbound AM:

Adjusted average 2011 count	3,081
2001 baseline	3319
Baseline-established 90% confidence interval (2001)	+/- 120
Baseline-established significant traffic increase (2001)	3,439
Baseline-established 1% increase trigger (2001)	3,474
Result (falls below the 90% confidence interval by 358 vehicles)	-358
Result (falls below the 1% increase trigger by 393 vehicles)	-393

Outbound PM:

Adjusted average 2011 count	3,743
2001 baseline	3446
Baseline-established 90% confidence interval (2001)	+/- 109
Baseline-established significant traffic increase (2001)	3,555
Baseline-established 1% increase trigger (2001)	3,591
Result (exceeds the 90% confidence interval by 188 vehicles)	+188
Result (exceeds the 1% trigger by 152 vehicles)	+152
2011 trip credit	-203
Result with trip credit (falls below the 1% trigger by 51 vehicles)	-51

SUMMARY AND COMPARISON OF PREVIOUS REPORTS

INTRODUCTION

The purpose of the Stanford University Traffic Monitoring Program is to compare traffic volumes entering and exiting the Stanford Campus during the inbound AM peak and the outbound PM commute peak to a traffic baseline. This comparison is completed on an annual basis. The requirements for establishment of the traffic baseline and performing annual comparisons to the baseline are contained within the December 2000 Stanford Community Plan/General Use Permit (GUP)/Environmental Impact Report (EIR) and within the 2000 Stanford General Use Permit. Stanford is required to attain a “no net new commute trip” standard as defined in the GUP and EIR.

Condition of Approval G.7 outlines the process for establishing the baseline counts and for continuing monitoring in subsequent years. The process can be summarized as follows:

- Peak hour traffic is counted at least three times per year for a two-week period each time. The three counts shall be averaged to determine the annual traffic level.
- All counts are recorded at the 16 campus entry and exit points forming a cordon around the campus.
- License plate numbers are recorded for each entering and exiting vehicle to determine the amount of non-campus traffic.
- Cordon volumes are adjusted for parking lots within the cordon used by the hospital (these volumes are subtracted from the cordon line counts) and parking lots outside the cordon used by the university (these volumes are added to the cordon line counts).
- A peak hour is then established for the campus based on the counts, adjusted for cut through and parking lot location.

Condition of Approval G.6 defines the peak commute directions as entering the campus in the morning peak commute period and leaving the campus in the evening commute period. The peak commute period is defined as the one-hour period of time between 7 AM and 9 AM and again between 4 PM and 6 PM with the highest volume of traffic, as defined by the counts. Therefore, the two peak hours are considered to be independent events. An increase in traffic during the AM peak hour is independent from an increase in traffic during the PM peak hour. An increase in traffic for two out of three years in one peak hour would trigger the additional element of the monitoring program, even if there is no change or even a decrease in traffic in the other peak hour. Also, a significant increase during one year in the AM and a sufficient increase in the PM for the following year would not trigger additional mitigation.

The following is a summary of the Baseline report prepared in 2001 and the subsequent ten years of monitoring from 2002 through 2011.

Traffic Baseline Report

The Traffic Baseline Report represents the first year of traffic monitoring. This report established the baseline conditions to which subsequent years are compared.

Data Collection:	Week of April 2, 2001 through week of May 14, 2001 and week of October 22, 2001 through week of October 29, 2001.																
Final Report Issued:	July 2002 and updated on October 2003.																
Findings:	<p>The following were the results of the 2001 Baseline Monitoring:</p> <p><u>Inbound AM:</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Average Count</td> <td style="text-align: right;">3,319</td> </tr> <tr> <td style="padding-left: 20px;">90% Confidence Interval</td> <td style="text-align: right;">+/- 120</td> </tr> <tr> <td style="padding-left: 20px;">Significant Traffic Increase</td> <td style="text-align: right;">3,439</td> </tr> <tr> <td style="padding-left: 20px;">1% Increase Trigger</td> <td style="text-align: right;">3,474</td> </tr> </table> <p><u>Outbound PM:</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Average</td> <td style="text-align: right;">3,446</td> </tr> <tr> <td style="padding-left: 20px;">90% Confidence Interval</td> <td style="text-align: right;">+/- 109</td> </tr> <tr> <td style="padding-left: 20px;">Significant Traffic Increase</td> <td style="text-align: right;">3,555</td> </tr> <tr> <td style="padding-left: 20px;">1% Trigger</td> <td style="text-align: right;">3,591</td> </tr> </table>	Average Count	3,319	90% Confidence Interval	+/- 120	Significant Traffic Increase	3,439	1% Increase Trigger	3,474	Average	3,446	90% Confidence Interval	+/- 109	Significant Traffic Increase	3,555	1% Trigger	3,591
Average Count	3,319																
90% Confidence Interval	+/- 120																
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1% Increase Trigger	3,474																
Average	3,446																
90% Confidence Interval	+/- 109																
Significant Traffic Increase	3,555																
1% Trigger	3,591																
Conclusion	The Traffic Baseline Report established the baseline thresholds, no conclusions are drawn from this report.																

Traffic Report #1

Traffic Report #1 was the first year of monitoring compared back to the Traffic Baseline Report.

Data Collection:	Week of April 15, 2002 through week of May 20, 2002 and week of October 14, 2002 through week of October 21, 2002.																				
Final Report Issued:	July 2003																				
Final Report Revised:	October 2003																				
Findings:	<p>The following were the results of the Report #1, 2002 Traffic Monitoring:</p> <p><u>Inbound AM:</u></p> <table> <tr> <td>Adjusted Average 2002 Count</td> <td>3,275</td> </tr> <tr> <td>Baseline-established 90% Confidence Interval (2001)</td> <td>+/- 120</td> </tr> <tr> <td>Baseline-established Significant Traffic Increase (2001)</td> <td>3,439</td> </tr> <tr> <td>Baseline-established 1% Increase Trigger (2001)</td> <td>3,474</td> </tr> <tr> <td>Result (Falls below the 1% Trigger by 199)</td> <td>-199</td> </tr> </table> <p><u>Outbound PM:</u></p> <table> <tr> <td>Adjusted Average 2002 Count</td> <td>3,586</td> </tr> <tr> <td>Baseline-established 90% Confidence Interval (2001)</td> <td>+/- 109</td> </tr> <tr> <td>Baseline-established Significant Traffic Increase (2001)</td> <td>3,555</td> </tr> <tr> <td>Baseline-established 1% Increase Trigger (2001)</td> <td>3,591</td> </tr> <tr> <td>Result (Falls below the 1% Trigger by 5 vehicles)</td> <td>-5</td> </tr> </table>	Adjusted Average 2002 Count	3,275	Baseline-established 90% Confidence Interval (2001)	+/- 120	Baseline-established Significant Traffic Increase (2001)	3,439	Baseline-established 1% Increase Trigger (2001)	3,474	Result (Falls below the 1% Trigger by 199)	-199	Adjusted Average 2002 Count	3,586	Baseline-established 90% Confidence Interval (2001)	+/- 109	Baseline-established Significant Traffic Increase (2001)	3,555	Baseline-established 1% Increase Trigger (2001)	3,591	Result (Falls below the 1% Trigger by 5 vehicles)	-5
Adjusted Average 2002 Count	3,275																				
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Baseline-established 1% Increase Trigger (2001)	3,474																				
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Baseline-established Significant Traffic Increase (2001)	3,555																				
Baseline-established 1% Increase Trigger (2001)	3,591																				
Result (Falls below the 1% Trigger by 5 vehicles)	-5																				
Conclusion	<p>The AM inbound adjusted average shows a decrease of 44 vehicles from the baseline, this decrease falls within the 90% confidence interval of +/- 120. The established 1% increase trigger requirement is not met and no additional mitigation is required.</p> <p>The PM inbound adjusted average shows an increase of 140 vehicles from the baseline count, this increase falls above the +90% confidence interval by 31 vehicles. This increase falls below the 1% increase trigger by 5 vehicles. Since the established 1% increased trigger requirement is not met, no additional mitigation is required. The 2002 volumes compared to 2001 baseline volumes do not constitute a statistical significant increase in either the AM or the PM peak hours and no mitigation measure is required.</p>																				

Traffic Report #2

Traffic Report #2 was the second year of monitoring compared back to the Traffic Baseline Report.

Data Collection:	Week of April 7, 2003 and week of April 21, 2003 through week of May 19, 2003; week of September 29, 2003 and week of October 20, 2003.																								
Final Report Issued:	January 2004																								
Final Report Revised:	October 2004																								
Findings:	<p>The following were the results of the Report #2, 2003 Traffic Monitoring:</p> <p><u>Inbound AM:</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Adjusted Average 2003 Count</td> <td style="text-align: right;">3,413</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 90% Confidence Interval (2001)</td> <td style="text-align: right;">+/- 120</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established Significant Traffic Increase (2001)</td> <td style="text-align: right;">3,439</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 1% Increase Trigger (2001)</td> <td style="text-align: right;">3,474</td> </tr> <tr> <td style="padding-left: 20px;">Result (Falls below the 90% Confidence Interval by 26)</td> <td style="text-align: right;">-26</td> </tr> <tr> <td style="padding-left: 20px;">Result (Falls below the 1% Trigger by 61 vehicles)</td> <td style="text-align: right;">-61</td> </tr> </table> <p><u>Outbound PM:</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Adjusted Average 2003 Count</td> <td style="text-align: right;">3,476</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 90% Confidence Interval (2001)</td> <td style="text-align: right;">+/- 109</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established Significant Traffic Increase (2001)</td> <td style="text-align: right;">3,555</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 1% Increase Trigger (2001)</td> <td style="text-align: right;">3,591</td> </tr> <tr> <td style="padding-left: 20px;">Result (Falls below the 90% Confidence Interval by 79 vehicles)</td> <td style="text-align: right;">-79</td> </tr> <tr> <td style="padding-left: 20px;">Result (Falls below the 1% Trigger by 115 vehicles)</td> <td style="text-align: right;">-115</td> </tr> </table>	Adjusted Average 2003 Count	3,413	Baseline-established 90% Confidence Interval (2001)	+/- 120	Baseline-established Significant Traffic Increase (2001)	3,439	Baseline-established 1% Increase Trigger (2001)	3,474	Result (Falls below the 90% Confidence Interval by 26)	-26	Result (Falls below the 1% Trigger by 61 vehicles)	-61	Adjusted Average 2003 Count	3,476	Baseline-established 90% Confidence Interval (2001)	+/- 109	Baseline-established Significant Traffic Increase (2001)	3,555	Baseline-established 1% Increase Trigger (2001)	3,591	Result (Falls below the 90% Confidence Interval by 79 vehicles)	-79	Result (Falls below the 1% Trigger by 115 vehicles)	-115
Adjusted Average 2003 Count	3,413																								
Baseline-established 90% Confidence Interval (2001)	+/- 120																								
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Baseline-established 90% Confidence Interval (2001)	+/- 109																								
Baseline-established Significant Traffic Increase (2001)	3,555																								
Baseline-established 1% Increase Trigger (2001)	3,591																								
Result (Falls below the 90% Confidence Interval by 79 vehicles)	-79																								
Result (Falls below the 1% Trigger by 115 vehicles)	-115																								
Conclusion	<p>Although the AM inbound adjusted average shows an increase of 94 vehicles from the Baseline count, this increase falls within the 90% confidence interval of ± 120. Therefore, this 94-vehicle increase does not represent a significant increase in traffic during the AM peak hour and no additional mitigation is required.</p> <p>The PM peak outbound adjusted average increased by 30 vehicles from the Baseline PM counts. This increase is also not significant because it falls within the 90% confidence boundary of ± 109, no additional mitigation is required. The 2003 volumes compared to 2001 baseline volumes do not constitute a statistical significant increase in either the AM or the PM peak hours.</p>																								

Traffic Report #3

Traffic Report #3 was the third year of monitoring compared back to the Traffic Baseline Report.

Data Collection:	Week of April 12, 2004 through week of May 17, 2004 and week of September 27, 2004 through week of October 4, 2004.																												
Final Report Issued:	March 2005																												
Findings:	<p>The following were the results of the Report #3, 2004 Traffic Monitoring:</p> <p><u>Inbound AM:</u></p> <table> <tr> <td>Adjusted Average 2004 Count</td> <td>3,176</td> </tr> <tr> <td>Baseline-established 90% Confidence Interval (2001)</td> <td>+/- 120</td> </tr> <tr> <td>Baseline-established Significant Traffic Increase (2001)</td> <td>3,439</td> </tr> <tr> <td>Baseline-established 1% Increase Trigger (2001)</td> <td>3,474</td> </tr> <tr> <td>Result (Falls below the 90% Confidence Interval by 263)</td> <td>-263</td> </tr> <tr> <td>Result (Falls below the 1% Trigger by 298 vehicles)</td> <td>-298</td> </tr> </table> <p><u>Outbound PM:</u></p> <table> <tr> <td>Adjusted Average 2004 Count</td> <td>3,642</td> </tr> <tr> <td>Baseline-established 90% Confidence Interval (2001)</td> <td>+/- 109</td> </tr> <tr> <td>Baseline-established Significant Traffic Increase (2001)</td> <td>3,555</td> </tr> <tr> <td>Baseline-established 1% Increase Trigger (2001)</td> <td>3,591</td> </tr> <tr> <td>Result (Falls above the 90% Confidence Interval by 87 vehicles)</td> <td>+87</td> </tr> <tr> <td>Result (Falls above the 1% Trigger by 51 vehicles)</td> <td>+51</td> </tr> <tr> <td>2004 Trip Credit</td> <td>-66</td> </tr> <tr> <td>Result with Trip Credit (Falls below the 1% Trigger by 15 vehicles)</td> <td>-15</td> </tr> </table>	Adjusted Average 2004 Count	3,176	Baseline-established 90% Confidence Interval (2001)	+/- 120	Baseline-established Significant Traffic Increase (2001)	3,439	Baseline-established 1% Increase Trigger (2001)	3,474	Result (Falls below the 90% Confidence Interval by 263)	-263	Result (Falls below the 1% Trigger by 298 vehicles)	-298	Adjusted Average 2004 Count	3,642	Baseline-established 90% Confidence Interval (2001)	+/- 109	Baseline-established Significant Traffic Increase (2001)	3,555	Baseline-established 1% Increase Trigger (2001)	3,591	Result (Falls above the 90% Confidence Interval by 87 vehicles)	+87	Result (Falls above the 1% Trigger by 51 vehicles)	+51	2004 Trip Credit	-66	Result with Trip Credit (Falls below the 1% Trigger by 15 vehicles)	-15
Adjusted Average 2004 Count	3,176																												
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Baseline-established 1% Increase Trigger (2001)	3,591																												
Result (Falls above the 90% Confidence Interval by 87 vehicles)	+87																												
Result (Falls above the 1% Trigger by 51 vehicles)	+51																												
2004 Trip Credit	-66																												
Result with Trip Credit (Falls below the 1% Trigger by 15 vehicles)	-15																												
Conclusion:	<p>The AM inbound adjusted average shows a decrease of 143 vehicles from the Baseline, this decrease falls below the +90% confidence interval by 263. The established 1% increase trigger requirement is not met, no additional mitigation is required.</p> <p>The PM peak outbound adjusted average increased by 196 vehicles from the Baseline counts. This increase is above the +90% confidence interval by 87 vehicles. This increase is significant because it falls above the 1% increase trigger by 51 vehicles. However, after applying 66 trip credits the PM peak outbound traffic was within the 1% trigger, therefore, no additional mitigation is required.</p>																												

Traffic Report #4

Traffic Report #4 was the fourth year of monitoring compared back to the Traffic Baseline Report.

Data Collection:	Week of April 4, 2005 through week of May 9, 2005 and week of September 26, 2005 through week of October 3, 2005.																												
Final Report Issued:	May 2006																												
Findings:	<p>The following were the results of the Report #4, 2005 Traffic Monitoring:</p> <p><u>Inbound AM:</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Adjusted Average 2005 Count</td> <td style="text-align: right;">3,383</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 90% Confidence Interval (2001)</td> <td style="text-align: right;">+/- 120</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established Significant Traffic Increase (2001)</td> <td style="text-align: right;">3,439</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 1% Increase Trigger (2001)</td> <td style="text-align: right;">3,474</td> </tr> <tr> <td style="padding-left: 20px;">Result (Falls below the 90% Confidence Interval by 56)</td> <td style="text-align: right;">-56</td> </tr> <tr> <td style="padding-left: 20px;">Result (Falls below the 1% Trigger by 91 vehicles)</td> <td style="text-align: right;">-91</td> </tr> </table> <p><u>Outbound PM:</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Adjusted Average 2005 Count (Including 2 modifications)</td> <td style="text-align: right;">3,735</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 90% Confidence Interval (2001)</td> <td style="text-align: right;">+/- 109</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established Significant Traffic Increase (2001)</td> <td style="text-align: right;">3,555</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 1% Increase Trigger (2001)</td> <td style="text-align: right;">3,591</td> </tr> <tr> <td style="padding-left: 20px;">Result (falls above the 90% confidence Interval by 180 vehicles)</td> <td style="text-align: right;">+180</td> </tr> <tr> <td style="padding-left: 20px;">Result (falls above the 1% trigger by 144 vehicles)</td> <td style="text-align: right;">+144</td> </tr> <tr> <td style="padding-left: 20px;">2005 trip credit</td> <td style="text-align: right;">-174</td> </tr> <tr> <td style="padding-left: 20px;">Result with trip credit (falls below the 1 %trigger by 30 vehicles)</td> <td style="text-align: right;">-30</td> </tr> </table>	Adjusted Average 2005 Count	3,383	Baseline-established 90% Confidence Interval (2001)	+/- 120	Baseline-established Significant Traffic Increase (2001)	3,439	Baseline-established 1% Increase Trigger (2001)	3,474	Result (Falls below the 90% Confidence Interval by 56)	-56	Result (Falls below the 1% Trigger by 91 vehicles)	-91	Adjusted Average 2005 Count (Including 2 modifications)	3,735	Baseline-established 90% Confidence Interval (2001)	+/- 109	Baseline-established Significant Traffic Increase (2001)	3,555	Baseline-established 1% Increase Trigger (2001)	3,591	Result (falls above the 90% confidence Interval by 180 vehicles)	+180	Result (falls above the 1% trigger by 144 vehicles)	+144	2005 trip credit	-174	Result with trip credit (falls below the 1 %trigger by 30 vehicles)	-30
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2005 trip credit	-174																												
Result with trip credit (falls below the 1 %trigger by 30 vehicles)	-30																												
Conclusion:	<p>The AM inbound adjusted average shows an increase of 64 vehicles from the Baseline, this increase falls below the + 90% confidence interval by 56. The established 1% increase trigger requirement is not met, no additional mitigation is required.</p> <p>The PM peak outbound adjusted average increased by 289 vehicles from the Baseline counts. This increase is above the +90% confidence interval by 180 vehicles. This increase is significant because it falls above the 1% increase trigger by 144 vehicles. However, after applying 174 trip credits the PM peak hour outbound traffic was within the 1% trigger, therefore, no additional mitigation is required.</p>																												

Traffic Report #5

Traffic Report #5 was the fifth year of monitoring compared back to the Traffic Baseline Report.

Data Collection:	Week of April 17, 2006 through week of May 22, 2006 and weeks of October 16, 2006 and October 23, 2006.																								
Final Report Issued:	November 2006																								
Findings:	<p>The following were the results of the Report #5, 2006 Traffic Monitoring:</p> <p><u>Inbound AM:</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Adjusted Average 2006 Count</td> <td style="text-align: right;">3,048</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 90% Confidence Interval (2001)</td> <td style="text-align: right;">+/- 120</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established Significant Traffic Increase (2001)</td> <td style="text-align: right;">3,439</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 1% Increase Trigger (2001)</td> <td style="text-align: right;">3,474</td> </tr> <tr> <td style="padding-left: 20px;">Result (Falls below the 90% Confidence Interval by 391)</td> <td style="text-align: right;">-391</td> </tr> <tr> <td style="padding-left: 20px;">Result (Falls below the 1% Trigger by 426 vehicles)</td> <td style="text-align: right;">-426</td> </tr> </table> <p><u>Outbound PM:</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Adjusted Average 2006 Count</td> <td style="text-align: right;">3,427</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 90% Confidence Interval (2001)</td> <td style="text-align: right;">+/- 109</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established Significant Traffic Increase (2001)</td> <td style="text-align: right;">3,555</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 1% Increase Trigger (2001)</td> <td style="text-align: right;">3,591</td> </tr> <tr> <td style="padding-left: 20px;">Result (falls below the 90% confidence Interval by 128 vehicles)</td> <td style="text-align: right;">-128</td> </tr> <tr> <td style="padding-left: 20px;">Result (falls below the 1% trigger by 164 vehicles)</td> <td style="text-align: right;">-164</td> </tr> </table>	Adjusted Average 2006 Count	3,048	Baseline-established 90% Confidence Interval (2001)	+/- 120	Baseline-established Significant Traffic Increase (2001)	3,439	Baseline-established 1% Increase Trigger (2001)	3,474	Result (Falls below the 90% Confidence Interval by 391)	-391	Result (Falls below the 1% Trigger by 426 vehicles)	-426	Adjusted Average 2006 Count	3,427	Baseline-established 90% Confidence Interval (2001)	+/- 109	Baseline-established Significant Traffic Increase (2001)	3,555	Baseline-established 1% Increase Trigger (2001)	3,591	Result (falls below the 90% confidence Interval by 128 vehicles)	-128	Result (falls below the 1% trigger by 164 vehicles)	-164
Adjusted Average 2006 Count	3,048																								
Baseline-established 90% Confidence Interval (2001)	+/- 120																								
Baseline-established Significant Traffic Increase (2001)	3,439																								
Baseline-established 1% Increase Trigger (2001)	3,474																								
Result (Falls below the 90% Confidence Interval by 391)	-391																								
Result (Falls below the 1% Trigger by 426 vehicles)	-426																								
Adjusted Average 2006 Count	3,427																								
Baseline-established 90% Confidence Interval (2001)	+/- 109																								
Baseline-established Significant Traffic Increase (2001)	3,555																								
Baseline-established 1% Increase Trigger (2001)	3,591																								
Result (falls below the 90% confidence Interval by 128 vehicles)	-128																								
Result (falls below the 1% trigger by 164 vehicles)	-164																								
Conclusion:	<p>The AM inbound adjusted average shows a decrease of 271 vehicles from the Baseline, this decrease falls below the + 90% confidence interval by 391 vehicles. The established 1% increase trigger requirement is not met, no additional mitigation is required.</p> <p>The PM peak outbound adjusted average decreased by 19 vehicles from the Baseline counts. This decrease is below the +90% confidence interval by 128 vehicles. The established 1% increase trigger requirement is not met, no additional mitigation is required.</p>																								

Traffic Report #6

Traffic Report #6 was the sixth year of monitoring compared back to the Traffic Baseline Report.

Data Collection:	Week of April 9, 2007 through week of May 14, 2007 and weeks of October 15, 2007 and October 22, 2007.																								
Final Report Issued:	November 2007																								
Findings:	<p>The following were the results of the Report #6, 2007 Traffic Monitoring:</p> <p><u>Inbound AM:</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Adjusted Average 2007 Count</td> <td style="text-align: right;">3,058</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 90% Confidence Interval (2001)</td> <td style="text-align: right;">+/- 120</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established Significant Traffic Increase (2001)</td> <td style="text-align: right;">3,439</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 1% Increase Trigger (2001)</td> <td style="text-align: right;">3,474</td> </tr> <tr> <td style="padding-left: 20px;">Result (Falls below the 90% Confidence Interval by 381)</td> <td style="text-align: right;">-381</td> </tr> <tr> <td style="padding-left: 20px;">Result (Falls below the 1% Trigger by 416 vehicles)</td> <td style="text-align: right;">-416</td> </tr> </table> <p><u>Outbound PM:</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Adjusted Average 2007 Count</td> <td style="text-align: right;">3,493</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 90% Confidence Interval (2001)</td> <td style="text-align: right;">+/- 109</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established Significant Traffic Increase (2001)</td> <td style="text-align: right;">3,555</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 1% Increase Trigger (2001)</td> <td style="text-align: right;">3,591</td> </tr> <tr> <td style="padding-left: 20px;">Result (falls below the 90% confidence Interval by 61 vehicles)</td> <td style="text-align: right;">-61</td> </tr> <tr> <td style="padding-left: 20px;">Result (falls below the 1% trigger by 97 vehicles)</td> <td style="text-align: right;">-97</td> </tr> </table>	Adjusted Average 2007 Count	3,058	Baseline-established 90% Confidence Interval (2001)	+/- 120	Baseline-established Significant Traffic Increase (2001)	3,439	Baseline-established 1% Increase Trigger (2001)	3,474	Result (Falls below the 90% Confidence Interval by 381)	-381	Result (Falls below the 1% Trigger by 416 vehicles)	-416	Adjusted Average 2007 Count	3,493	Baseline-established 90% Confidence Interval (2001)	+/- 109	Baseline-established Significant Traffic Increase (2001)	3,555	Baseline-established 1% Increase Trigger (2001)	3,591	Result (falls below the 90% confidence Interval by 61 vehicles)	-61	Result (falls below the 1% trigger by 97 vehicles)	-97
Adjusted Average 2007 Count	3,058																								
Baseline-established 90% Confidence Interval (2001)	+/- 120																								
Baseline-established Significant Traffic Increase (2001)	3,439																								
Baseline-established 1% Increase Trigger (2001)	3,474																								
Result (Falls below the 90% Confidence Interval by 381)	-381																								
Result (Falls below the 1% Trigger by 416 vehicles)	-416																								
Adjusted Average 2007 Count	3,493																								
Baseline-established 90% Confidence Interval (2001)	+/- 109																								
Baseline-established Significant Traffic Increase (2001)	3,555																								
Baseline-established 1% Increase Trigger (2001)	3,591																								
Result (falls below the 90% confidence Interval by 61 vehicles)	-61																								
Result (falls below the 1% trigger by 97 vehicles)	-97																								
Conclusion:	<p>The AM inbound adjusted average shows a decrease of 261 vehicles from the Baseline, this decrease falls below the +90% confidence interval by 381 vehicles. The established 1% increase trigger requirement is not met, no additional mitigation is required.</p> <p>The PM peak outbound adjusted average increased by 48 vehicles from the Baseline counts. This increase is below the +90% confidence interval by 61 vehicles. The established 1% increase trigger requirement is not met, no additional mitigation is required.</p>																								

Traffic Report #7

Traffic Report #7 was the seventh year of monitoring compared back to the Traffic Baseline Report.

Data Collection:	Week of April 7, 2008 through week of May 12, 2008 and weeks of October 13, 2008 and October 20, 2008.																								
Final Report Issued:	December 2008																								
Findings:	<p>The following were the results of the Report #7, 2008 Traffic Monitoring:</p> <p><u>Inbound AM:</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Adjusted Average 2008 Count</td> <td style="text-align: right;">3,020</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 90% Confidence Interval (2001)</td> <td style="text-align: right;">+/- 120</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established Significant Traffic Increase (2001)</td> <td style="text-align: right;">3,439</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 1% Increase Trigger (2001)</td> <td style="text-align: right;">3,474</td> </tr> <tr> <td style="padding-left: 20px;">Result (Falls below the 90% Confidence Interval by 419)</td> <td style="text-align: right;">-419</td> </tr> <tr> <td style="padding-left: 20px;">Result (Falls below the 1% Trigger by 454 vehicles)</td> <td style="text-align: right;">-454</td> </tr> </table> <p><u>Outbound PM:</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Adjusted Average 2008 Count</td> <td style="text-align: right;">3,460</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 90% Confidence Interval (2001)</td> <td style="text-align: right;">+/- 109</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established Significant Traffic Increase (2001)</td> <td style="text-align: right;">3,555</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 1% Increase Trigger (2001)</td> <td style="text-align: right;">3,591</td> </tr> <tr> <td style="padding-left: 20px;">Result (falls below the 90% confidence Interval by 95 vehicles)</td> <td style="text-align: right;">-95</td> </tr> <tr> <td style="padding-left: 20px;">Result (falls below the 1% trigger by 131 vehicles)</td> <td style="text-align: right;">-131</td> </tr> </table>	Adjusted Average 2008 Count	3,020	Baseline-established 90% Confidence Interval (2001)	+/- 120	Baseline-established Significant Traffic Increase (2001)	3,439	Baseline-established 1% Increase Trigger (2001)	3,474	Result (Falls below the 90% Confidence Interval by 419)	-419	Result (Falls below the 1% Trigger by 454 vehicles)	-454	Adjusted Average 2008 Count	3,460	Baseline-established 90% Confidence Interval (2001)	+/- 109	Baseline-established Significant Traffic Increase (2001)	3,555	Baseline-established 1% Increase Trigger (2001)	3,591	Result (falls below the 90% confidence Interval by 95 vehicles)	-95	Result (falls below the 1% trigger by 131 vehicles)	-131
Adjusted Average 2008 Count	3,020																								
Baseline-established 90% Confidence Interval (2001)	+/- 120																								
Baseline-established Significant Traffic Increase (2001)	3,439																								
Baseline-established 1% Increase Trigger (2001)	3,474																								
Result (Falls below the 90% Confidence Interval by 419)	-419																								
Result (Falls below the 1% Trigger by 454 vehicles)	-454																								
Adjusted Average 2008 Count	3,460																								
Baseline-established 90% Confidence Interval (2001)	+/- 109																								
Baseline-established Significant Traffic Increase (2001)	3,555																								
Baseline-established 1% Increase Trigger (2001)	3,591																								
Result (falls below the 90% confidence Interval by 95 vehicles)	-95																								
Result (falls below the 1% trigger by 131 vehicles)	-131																								
Conclusion:	<p>The AM inbound adjusted average shows a decrease of 299 vehicles from the Baseline, this decrease falls below the +90% confidence interval by 419 vehicles. The established 1% increase trigger requirement is not met, no additional mitigation is required.</p> <p>The PM peak outbound adjusted average increased by 14 vehicles from the Baseline counts. This increase is below the +90% confidence interval by 95 vehicles. The established 1% increase trigger requirement is not met, no additional mitigation is required.</p>																								

Traffic Report #8

Traffic Report #8 was the eight year of monitoring compared back to the Traffic Baseline Report.

Data Collection:	Week of April 13, 2009 through week May 18, 2009 and weeks of October 5, 2009 and October 12, 2009.																								
Final Report Issued:	November 2009																								
Findings:	<p>The following were the results of the Report #8, 2009 Traffic Monitoring:</p> <p><u>Inbound AM:</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Adjusted Average 2009 Count</td> <td style="text-align: right;">2,840</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 90% Confidence Interval (2001)</td> <td style="text-align: right;">+/- 120</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established Significant Traffic Increase (2001)</td> <td style="text-align: right;">3,439</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 1% Increase Trigger (2001)</td> <td style="text-align: right;">3,474</td> </tr> <tr> <td style="padding-left: 20px;">Result (Falls below the 90% Confidence Interval by 599)</td> <td style="text-align: right;">-599</td> </tr> <tr> <td style="padding-left: 20px;">Result (Falls below the 1% Trigger by 634 vehicles)</td> <td style="text-align: right;">-634</td> </tr> </table> <p><u>Outbound PM:</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">Adjusted Average 2009 Count</td> <td style="text-align: right;">3,227</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 90% Confidence Interval (2001)</td> <td style="text-align: right;">+/- 109</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established Significant Traffic Increase (2001)</td> <td style="text-align: right;">3,555</td> </tr> <tr> <td style="padding-left: 20px;">Baseline-established 1% Increase Trigger (2001)</td> <td style="text-align: right;">3,591</td> </tr> <tr> <td style="padding-left: 20px;">Result (falls below the 90% confidence Interval by 328 vehicles)</td> <td style="text-align: right;">-328</td> </tr> <tr> <td style="padding-left: 20px;">Result (falls below the 1% trigger by 364 vehicles)</td> <td style="text-align: right;">-364</td> </tr> </table>	Adjusted Average 2009 Count	2,840	Baseline-established 90% Confidence Interval (2001)	+/- 120	Baseline-established Significant Traffic Increase (2001)	3,439	Baseline-established 1% Increase Trigger (2001)	3,474	Result (Falls below the 90% Confidence Interval by 599)	-599	Result (Falls below the 1% Trigger by 634 vehicles)	-634	Adjusted Average 2009 Count	3,227	Baseline-established 90% Confidence Interval (2001)	+/- 109	Baseline-established Significant Traffic Increase (2001)	3,555	Baseline-established 1% Increase Trigger (2001)	3,591	Result (falls below the 90% confidence Interval by 328 vehicles)	-328	Result (falls below the 1% trigger by 364 vehicles)	-364
Adjusted Average 2009 Count	2,840																								
Baseline-established 90% Confidence Interval (2001)	+/- 120																								
Baseline-established Significant Traffic Increase (2001)	3,439																								
Baseline-established 1% Increase Trigger (2001)	3,474																								
Result (Falls below the 90% Confidence Interval by 599)	-599																								
Result (Falls below the 1% Trigger by 634 vehicles)	-634																								
Adjusted Average 2009 Count	3,227																								
Baseline-established 90% Confidence Interval (2001)	+/- 109																								
Baseline-established Significant Traffic Increase (2001)	3,555																								
Baseline-established 1% Increase Trigger (2001)	3,591																								
Result (falls below the 90% confidence Interval by 328 vehicles)	-328																								
Result (falls below the 1% trigger by 364 vehicles)	-364																								
Conclusion:	<p>The AM inbound adjusted average shows a decrease of 479 vehicles from the Baseline, this decrease falls below the +90% confidence interval by 599 vehicles. The established 1% increase trigger requirement is not met, no additional mitigation is required.</p> <p>The PM peak outbound adjusted average decreases by 219 vehicles from the Baseline counts. This decrease is below the +90% confidence interval by 328 vehicles. The established 1% increase trigger requirement is not met, no additional mitigation is required.</p>																								

Traffic Report #9

Traffic Report #9 was the ninth year of monitoring compared back to the Traffic Baseline Report.

Data Collection:	Week of April 5, 2010 through week of May 10, 2010 and weeks of October 25, 2010 and November 1, 2010.																								
Final Report Issued:	December 2010																								
Findings:	<p>The following were the results of the Report #9, 2010 Traffic Monitoring:</p> <p><u>Inbound AM:</u></p> <table> <tr> <td>Adjusted Average 2010 Count</td> <td>2,921</td> </tr> <tr> <td>Baseline-established 90% Confidence Interval (2001)</td> <td>+/- 120</td> </tr> <tr> <td>Baseline-established Significant Traffic Increase (2001)</td> <td>3,439</td> </tr> <tr> <td>Baseline-established 1% Increase Trigger (2001)</td> <td>3,474</td> </tr> <tr> <td>Result (Falls below the 90% Confidence Interval by 518)</td> <td>-518</td> </tr> <tr> <td>Result (Falls below the 1% Trigger by 553 vehicles)</td> <td>-553</td> </tr> </table> <p><u>Outbound PM:</u></p> <table> <tr> <td>Adjusted Average 2010 Count</td> <td>3,459</td> </tr> <tr> <td>Baseline-established 90% Confidence Interval (2001)</td> <td>+/- 109</td> </tr> <tr> <td>Baseline-established Significant Traffic Increase (2001)</td> <td>3,555</td> </tr> <tr> <td>Baseline-established 1% Increase Trigger (2001)</td> <td>3,591</td> </tr> <tr> <td>Result (falls below the 90% confidence Interval by 96 vehicles)</td> <td>-96</td> </tr> <tr> <td>Result (falls below the 1% trigger by 132 vehicles)</td> <td>-132</td> </tr> </table>	Adjusted Average 2010 Count	2,921	Baseline-established 90% Confidence Interval (2001)	+/- 120	Baseline-established Significant Traffic Increase (2001)	3,439	Baseline-established 1% Increase Trigger (2001)	3,474	Result (Falls below the 90% Confidence Interval by 518)	-518	Result (Falls below the 1% Trigger by 553 vehicles)	-553	Adjusted Average 2010 Count	3,459	Baseline-established 90% Confidence Interval (2001)	+/- 109	Baseline-established Significant Traffic Increase (2001)	3,555	Baseline-established 1% Increase Trigger (2001)	3,591	Result (falls below the 90% confidence Interval by 96 vehicles)	-96	Result (falls below the 1% trigger by 132 vehicles)	-132
Adjusted Average 2010 Count	2,921																								
Baseline-established 90% Confidence Interval (2001)	+/- 120																								
Baseline-established Significant Traffic Increase (2001)	3,439																								
Baseline-established 1% Increase Trigger (2001)	3,474																								
Result (Falls below the 90% Confidence Interval by 518)	-518																								
Result (Falls below the 1% Trigger by 553 vehicles)	-553																								
Adjusted Average 2010 Count	3,459																								
Baseline-established 90% Confidence Interval (2001)	+/- 109																								
Baseline-established Significant Traffic Increase (2001)	3,555																								
Baseline-established 1% Increase Trigger (2001)	3,591																								
Result (falls below the 90% confidence Interval by 96 vehicles)	-96																								
Result (falls below the 1% trigger by 132 vehicles)	-132																								
Conclusion:	<p>The AM inbound adjusted average shows a decrease of 398 vehicles from the Baseline, this decrease falls below the +90% confidence interval by 518 vehicles. The established 1% increase trigger requirement is not met, no mitigation is required.</p> <p>The PM peak outbound adjusted average increases by 13 vehicles from the Baseline counts. This increase is below the +90% confidence interval by 96 vehicles. The established 1% increase trigger requirement is not met, no mitigation is required.</p>																								

Traffic Report #10

Traffic Report #10 is the tenth year of monitoring compared back to the Traffic Baseline Report.

Data Collection:	Week of April 18, 2011 through week of May 23, 2011 and weeks of October 24, 2011 and October 31, 2011.																																
Final Report Issued:	February 2012																																
Findings:	<p>The following were the results of the Report #10, 2011 Traffic Monitoring:</p> <p><u>Inbound AM:</u></p> <table> <tr> <td>Adjusted average 2011 count</td> <td>3,081</td> </tr> <tr> <td>2001 baseline</td> <td>3319</td> </tr> <tr> <td>Baseline-established 90% confidence interval (2001)</td> <td>+/- 120</td> </tr> <tr> <td>Baseline-established significant traffic increase (2001)</td> <td>3,439</td> </tr> <tr> <td>Baseline-established 1% increase trigger (2001)</td> <td>3,474</td> </tr> <tr> <td>Result (falls below the 90% confidence interval by 401 vehicles)</td> <td>-358</td> </tr> <tr> <td>Result (falls below the 1% increase trigger by 436 vehicles)</td> <td>-393</td> </tr> </table> <p><u>Outbound PM:</u></p> <table> <tr> <td>Adjusted average 2011 count</td> <td>3,743</td> </tr> <tr> <td>2001 baseline</td> <td>3446</td> </tr> <tr> <td>Baseline-established 90% confidence interval (2001)</td> <td>+/- 109</td> </tr> <tr> <td>Baseline-established significant traffic increase (2001)</td> <td>3,555</td> </tr> <tr> <td>Baseline-established 1% increase trigger (2001)</td> <td>3,591</td> </tr> <tr> <td>Result (exceeds the 90% confidence interval by 168 vehicles)</td> <td>+188</td> </tr> <tr> <td>Result (exceeds the 1% trigger by 132 vehicles)</td> <td>+152</td> </tr> <tr> <td>2011 trip credit</td> <td>-203</td> </tr> <tr> <td>Result with trip credit (falls below the 1% trigger by 51 vehicles)</td> <td>-51</td> </tr> </table>	Adjusted average 2011 count	3,081	2001 baseline	3319	Baseline-established 90% confidence interval (2001)	+/- 120	Baseline-established significant traffic increase (2001)	3,439	Baseline-established 1% increase trigger (2001)	3,474	Result (falls below the 90% confidence interval by 401 vehicles)	-358	Result (falls below the 1% increase trigger by 436 vehicles)	-393	Adjusted average 2011 count	3,743	2001 baseline	3446	Baseline-established 90% confidence interval (2001)	+/- 109	Baseline-established significant traffic increase (2001)	3,555	Baseline-established 1% increase trigger (2001)	3,591	Result (exceeds the 90% confidence interval by 168 vehicles)	+188	Result (exceeds the 1% trigger by 132 vehicles)	+152	2011 trip credit	-203	Result with trip credit (falls below the 1% trigger by 51 vehicles)	-51
Adjusted average 2011 count	3,081																																
2001 baseline	3319																																
Baseline-established 90% confidence interval (2001)	+/- 120																																
Baseline-established significant traffic increase (2001)	3,439																																
Baseline-established 1% increase trigger (2001)	3,474																																
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2001 baseline	3446																																
Baseline-established 90% confidence interval (2001)	+/- 109																																
Baseline-established significant traffic increase (2001)	3,555																																
Baseline-established 1% increase trigger (2001)	3,591																																
Result (exceeds the 90% confidence interval by 168 vehicles)	+188																																
Result (exceeds the 1% trigger by 132 vehicles)	+152																																
2011 trip credit	-203																																
Result with trip credit (falls below the 1% trigger by 51 vehicles)	-51																																
Conclusion:	<p>The AM peak inbound adjusted average shows a decrease of 238 vehicles from the 2001 baseline counts. This decrease falls below the +90% confidence interval by 358 vehicles. The established 1% increase trigger requirement is not met. No mitigation is required.</p> <p>The PM peak outbound adjusted average increases by 297 vehicles from the 2001 baseline counts. This increase is above the +90% confidence interval by 188 vehicles. This increase is significant since it falls above the 1% increase trigger by 152 vehicles. However, after applying 203 trip credits, the PM peak hour outbound traffic is 51 trips below the 1% trigger and no additional mitigation is required.</p>																																