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### Figure 5 Existing Bicycle Facilities





### Figure 6 Existing Transit Facilities





### Light Rail Transit (LRT) Service

Light Rail Transit (LRT) service is provided in the project area by the VTA. The nearest LRT station (Baypointe LRT Station) is located along Tasman Drive at its intersection with Baypointe Parkway, approximately 1.7 miles south of the project site and serves the Mountain View-Alum Rock and the Santa Teresa-Baypointe LRT lines. The Mountain View-Alum Rock line operates from 5:30 AM to 12:30 AM with 30-minute headways and the Santa Teresa-Baypointe line operates from 5:00 AM to 1:00 AM with 20-minute headways during peak commute and midday hours. The Mountain View-Alum Rock line provides service between Mountain View and Alum Rock in east San Jose via Tasman Drive and Capitol Avenue. The Santa Teresa-Baypointe line provides service between the Santa Teresa station in south San Jose and North San Jose via N. 1<sup>st</sup> Street, SR 87, and SR 85.

# **Observed Existing Traffic Conditions**

Due the current COVID-19 pandemic situation, traffic volumes are generally lower than during "normal" conditions. However, it is still valuable to observe traffic conditions in the field to identify any existing operational deficiencies. Accordingly, traffic conditions in the study area were observed during the weekday AM (7:00-9:00 AM) and PM (4:00-6:00 PM) peak traffic periods.

Based on the field observations, the study intersections operated adequately during both the weekday AM and PM peak hours of traffic, and no noteworthy operational issues were observed.



# 3. **CEQA** Analysis

This chapter describes the CEQA transportation analysis, including the VMT threshold of significance, the project-level VMT impact analysis results, mitigation measures to reduce a VMT impact, and the cumulative transportation impact analysis used to determine consistency with the City's General Plan.

# **Project Level VMT Analysis**

An evaluation of VMT per the City of San Jose's guidelines for transportation impact analysis was completed using the City's VMT Evaluation Tool. Based on the project location, type of development, project description, and proposed trip reduction measures, the VMT tool calculates VMT. However, the City's VMT Evaluation Tool is limited to the evaluation of the general land use categories of residential. office, and industrial. Therefore, the use of the VMT tool for land uses that are not reflective of one of the three land use types, such as the data center, requires the conversion of the proposed land use to an equivalent number of residential units, office space, or industrial space.

For the purpose of VMT evaluation, the proposed new data center trips were converted to equivalent industrial space to provide an estimate of VMT as shown in Table 3. Data centers, such as the project, are most similar to industrial spaces in that they are essentially warehouses that store customer data and associated ancillary operations and have a small number of employees and visitors. Data Centers may also include maintenance areas and a small office component.

#### Table 3

	ITE Land			Da	ily
Land Use	Use Code		Size	Rate	Trip
Data Center	160		479,000 Square Feet	0.99	474
General Light Industrial	110	Equivalent Industrial Space <sup>1</sup> =	96,000 Square Feet	4.96	474
Source: ITE Trip Generation N	Manual 10 <sup>th</sup> Edition 2017				

#### Daily Trip Conversion from Data Center Trips to General Light Industrial Trips

<sup>1</sup>The VMT Evalution Tool does not provide for the evaluation of VMT for a Data Center use. Therefore, the proposed project trips were converted to equivalent General Light Industrial space and evaluated as an Industrial land use in the tool.

As shown in Table 3 above, the equivalent industrial square footage for the proposed data center is 96,000 square feet. Based on the City's CEQA VMT Analysis screening criteria for development projects, the project would not meet the screening criteria for VMT analysis exemption because it is not 30,000 gross square feet or less and, thus, does not qualify as a small infill industrial project.



#### **Project VMT Impact Analysis Results**

Per the City's VMT Evaluation Tool, the existing Area VMT for employment uses is 17.30 VMT per employee, which is above the existing regional average threshold of 14.37 VMT per employee. The project VMT estimated by the Evaluation Tool is 17.24 VMT per employee, which also exceeds the industrial threshold of 14.37 VMT per employee. According to the *Transportation Analysis Handbook*, projects located in areas where the existing VMT is above the established threshold (such as the study area) are referred to as being in "high-VMT areas", and projects in high-VMT areas are required to include VMT reduction measures that would reduce the project VMT to the extent possible.

#### Project Impact

Since the VMT generated by the project would exceed the threshold of significance for industrial employment uses in the area, the project would result in a significant transportation impact on VMT, and mitigation measures are required to reduce the VMT impact.

#### **Project Mitigation**

The following multi-modal infrastructure improvements (numbers 1 - 4 below), parking reduction measure (number 5 below), and Transportation Demand Management (TDM) measure (number 6 below) will be implemented to mitigate the significant VMT impact:

- 1. Increase Roadway Network Connectivity The project would construct a new street (an extension of Nortech Parkway) that would extend east from Zanker Road and provide access to the project site. The new intersection created at Zanker Road/Nortech Parkway would be signalized and would be located approximately 400 feet north of the Zanker Road/Thomas Foon Chew Way intersection. Currently, Nortech Parkway is an east-west local public roadway that terminates approximately 0.8 miles west of Zanker Road near Fortran Drive. The City of San Jose has plans to extend Nortech Parkway east to Zanker Road, where the new traffic signal would be constructed by the project. Note that the project would not be responsible for constructing or contributing toward the construction of the segment of the Nortech Parkway extension west of Zanker Road. Building new street connections/intersections improves vehicular, pedestrian, and bicycle access. Furthermore, increasing the roadway network connectivity shortens vehicle trips, enhances walkability, and provides more opportunities for bicyclists. Accordingly, this multi-modal infrastructure improvement would reduce VMT.
- 2. Traffic Calming Measures The project would construct a raised median island along Zanker Road between the new Nortech Parkway extension and the SR 237 westbound off-ramp. The raised median is part of the City's Plan Line design for Zanker Road. Raised median islands help to reduce vehicular speeds by narrowing the roadway, as well as provide a physical barrier for vehicles and a refuge for pedestrians. Providing traffic calming measures creates a safer environment and promotes walking and biking as alternatives to driving. Accordingly, this multimodal infrastructure improvement would reduce drive-alone commute trips and thus VMT.
- 3. **Pedestrian Network Improvements** The project would construct a Class I Bikeway Trail extension along the east side of Zanker Road, connecting the existing Coyote Creek Trail segment with the new Nortech Parkway extension. The future location of the trail falls within the City's right-of-way (ROW). This multi-modal infrastructure improvement would promote walking, thereby reducing drive-alone commute trips and VMT.
- 4. Bike Access Improvements The project would construct a Class I Bikeway Trail extension along the east side of Zanker Road (within the City's ROW), connecting the existing trail segment with the new Nortech Parkway extension. This multi-modal infrastructure improvement would promote bicycling, thus reducing drive-alone commute trips. Providing new bicycle

facilities that close gaps in the existing bike network improves overall bike access and circulation and promotes bicycling as an alternative to driving, thereby reducing VMT.

- 5. Limit Parking Supply The project would provide 116 vehicle parking spaces, which is 66 fewer spaces than what the City of San Jose Municipal Code requires. The project would request a parking exception in order to qualify for the parking reduction. Decreasing a project's parking supply encourages employees to choose an alternative transportation mode for their commutes, thereby reducing VMT.
- 6. Commute Trip Reduction Marketing and Education The project should implement a marketing campaign targeting all employees that encourages the use of shared rides and active modes of transportation. Marketing strategies may include new employee orientation on alternative commute options, event promotions, and publications. The project should provide information and encouragement to use transit, shared ride modes, and active modes to reduce drive-alone commute trips and, thus, VMT. It is assumed that 100% of the employees would be subject to the commute trip reduction education program.

Based on the City's VMT Evaluation Tool, implementing the recommended mitigation measures would lower the project VMT to 14.12 per employee (a reduction of about 18%), which would reduce the project impact to a less-than-significant level (below the threshold of 14.37 VMT per employee).

Figures 7A and 7B show the VMT summary reports generated by the City of San Jose's VMT Evaluation Tool without and with implementation of the recommended mitigation measures, respectively.

#### Cumulative VMT Impact Analysis

Projects must demonstrate consistency with the *Envision San Jose 2040 General Plan* to address cumulative impacts. Consistency with the City's General Plan is based on a consideration of all of its aspects, including the project's density, design, and ability to further the General Plan goals and policies and not obstruct their attainment. If a project is determined to be inconsistent with the General Plan, a cumulative impact analysis is required as part of the City's *Transportation Analysis Handbook*.

The proposed project would be consistent with the development type and intensity provided in the *Envision San Jose 2040 General Plan*, the cumulative effects of which were previously evaluated in the *Envision San Jose 2040 General Plan Environmental Impact Report* and *Supplemental Program Environmental Impact Report*.

The project is consistent with the General Plan goals and policies for the following reasons:

- The project's proposed use is consistent with the current zoning: Light Industrial (LI).
- While the project would increase the employment density in the project area, the proposed density would be consistent with the current General Plan Land Use Designation that applies to the project site.
- The project would provide improvements to pedestrian and bicycle connectivity and safety in the vicinity of the project site by constructing a Class I Bikeway Trail extension.
- The project would provide improvements to roadway network connectivity and safety near the project site by constructing a new intersection at Zanker Road/Nortech Parkway, extending Nortech Parkway east of Zanker Road, and constructing a raised median on Zanker Road.

Based on the project description, the proposed project would be consistent with the *Envision San Jose 2040 General Plan* and would not require a General Plan Amendment (GPA). The project including its proposed improvements would be considered part of the cumulative solution to meet the General Plan's long-range transportation goals and would result in a less-than-significant cumulative impact.



#### Figure 7A San Jose VMT Evaluation Tool Summary Report – No Mitigation

Name: San Jose D	ata Center SJC02 NC	D MITIGATION		Tool Version:	2/29/2019
Location: N/O SR 23	7 btwn Zanker Rd ar	nd McCarthy Bl	Folgerille I Televille	Date:	6/9/2021
Parcel: 01531054	Parcel Type: 5	Suburb with Single-	Family Homes		
Proposed Parking Space	es Vehicles: 1	116 Bicycles:	35		
AND USE:		A AL HERMONICAL AVE.			
Residential:	F	Percent of All Reside	ential Units		
Single Family		Extremely Low I	ncome ( <u>&lt;</u> 30% N		0 % Affordabl
Multi Family Subtotal		Low Income ( >	50% MEL < 80%	_ 50% MFD	0 % Affordabl
Office	0.00	row income ( >	$30\%$ With, $\leq 00\%$	( WITT)	0 % Anordabi
Once:	U KSF				
Retail:	UKSF				
Industrial:	96 KSF				
/MT REDUCTION STRAT	EGIES				
Tier 1 - Project Chara	cteristics				
Increase Residentia	al Density	66 UK DALL STAN VA 2	10 CA.		
Existing Densi	ty (DU/Residential A	cres in half-mile but	fer)		11
With Project D	ensity (DU/Resident	ial Acres in half-mil	e buffer)		11
Increase Developm	nent Diversity				
Existing Activit	ty Míx Index				0.82
With Project A	ctivity Mix Index		te telefondete telefondete		0.80
Integrate Affordab	le and Below Market	t Rate			
Extremely Low	Income BMR units .				0%
Low Income B	MP units				0%
Low Income b	ant Density				0 78
Existing Donsi	ent Density ty (Johs/Commercial	Acros in half-mile k	nuffor)		10
With Project C	ensity (Jobs/Commercian	Profes in half-fille of	nile buffer)	r baba bababa baba bab	13
Tion 2 Multimodal In	ensity (3003) comme				19
Tier 2 - Matamodal II	mastructure				
Ther 5 - Parking	-				
End of Trip Bike Fa	icilities r. Spaces Drovíded by	Droject			2E charge
Project Provid	es Additional End-of	-Trip Eacilities Bevo	nd Parking?		No
Tior 4 - TDM Brogram		The Tuendes beyo	na runking		110
Tier 4 - TDM Program	15				
	EN		NLY		
The tool estimate	es that the project	would generate p	er non-industria	al worker VMT a	and per
	industrial work	er VMT above the	City's threshold	d.	ind per
			,		
20					
18 -					
16 - 13.8	4	14.37			
<u>لنا</u>					
8 12 -					
LMA 6					
4					
30.00	17.0				
2 -	17.3	17.24	17.24		
2 - 0 -		Project VMT	Project + TD	M VMT	
2 0	Area VMT	inger init			
2 0	Area VMT	duction Possible		4	

# Figure 7B San Jose VMT Evaluation Tool Summary Report – With Mitigation

CITY OF SAN JO	SE VEHICLE MILES	TRAVELED EVALUATION TOO		RY REPORT
ROJECT:				
Name: San Jose Location: N/O SR 2 Parcel: 01531054	Data Center SJC02 MIT 37 btwn Zanker Rd anc Parcel Type: Su	IGATED T I McCarthy Bl Iburb with Single-Family Homes	ool Version: Date:	2/29/2019 6/9/2021
Proposed Parking Spa	ces Vehicles: 11	6 Bicycles: 35		
AND USE:		2.0.02.02 0.05 0.000.0		
Residential: Single Family Multi Family Subtotal Office:	Pe 0 DU 0 DU 0 DU 0 KSF	rcent of All Residential Units Extremely Low Income ( <u>&lt;</u> 30% MFI Very Low Income ( > 30% MFI, <u>&lt;</u> 50 Low Income ( > 50% MFI, <u>&lt;</u> 80% M	I) 0% MFI) FI)	0 % Affordabl 0 % Affordabl 0 % Affordabl
Retail:	0 KSF			
Industrial:	96 KSF			
MT REDUCTION STRAT	EGIES			
Tier 1 - Project Chara	octeristics			
Increase Resident Existing Dens With Project	ial Density ity (DU/Residential Acr Density (DU/Residentia	es in half-mile buffer)		11 11
Increase Develop Existing Activ With Project	nent Diversity ity Mix Index Activity Mix Index			0.82 0.80
Integrate Afforda Extremely Low Very Low Inco Low Income I	ole and Below Market H w Income BMR units ome BMR units BMR units	Rate		0 % 0 % 0 %
Increase Employn Existing Dens With Project	nent Density ity (Jobs/Commercial A Density (Jobs/Commerc	cres in half-mile buffer)		12 13
Tier 2 - Multimodal I	nfrastructure			
Bike Access Impro Distance to N Distance to N	ovements <i>(In Coordinat</i> learest Existing Bicycle learest Bicycle Facility V	<i>ion with SJ)</i> Facility		900 feet 0 feet
Increase Network Intersection I Intersection I	Connectivity (In Coord Density Density with Project	nation with SJ)		20 int/sqmi 21 int/sqmi
Are improver	easures ( <i>in Coorainatio</i> nents provided beyond rk Improvements <i>(in C</i>	n wun SJ) the development frontage?		Yes
Are pedestria	n improvements provid	led beyond the development frontag	e?	Yes

#### Figure 7B (Continued) San Jose VMT Evaluation Tool Summary Report – With Mitigation

Fier 3 - Parking	
Limit Parking Supply	
Minimum Parking Required by Municipal Code	182 spaces
Total Parking Spaces Available to Employees	116 spaces
Does the surrounding street parking have RPP, meters, or time limits?	Yes
End of Trip Bike Facilities	
Bicycle Parking Spaces Provided by Project	35 spaces
Project Provides Additional End-of-Trip Facilities Beyond Parking?	No
ier 4 - TDM Programs	
Commute Trip Reduction Marketing/ Education	
Percent of Eligible Employees	100 %

#### **EMPLOYMENT ONLY**

The tool estimates that the project would generate per non-industrial worker VMT below the City's threshold. There are selected strategies that require coordination with the City of San Jose to implement.





# 4. Local Transportation Analysis

This chapter describes the non-CEQA local transportation analysis (LTA) including existing traffic conditions, the method by which project traffic is estimated, intersection operations analysis for existing, background and background plus project scenarios, any adverse effects to intersection level of service caused by the project, intersection queuing analysis, site access and on-site circulation review, effects on bicycle, pedestrian and transit facilities, and parking supply.

# **Intersection Operations Analysis**

The intersection operations analysis is intended to quantify the operations of relevant San Jose intersections and to identify potential negative effects due to the addition of project traffic. Information required for the intersection operations analysis related to project trip generation, trip distribution, and trip assignment are presented in this section. The study intersections are located in the City of San Jose and have been identified and are evaluated based on the City of San Jose's intersection analysis methodology and standards in determining potential adverse operational effects due to the project, as described in Chapter 1.

### **Project Trip Estimates**

The magnitude of traffic produced by a new development and the locations where that traffic would appear are estimated using a three-step process: (1) trip generation, (2) trip distribution, and (3) trip assignment. In determining project trip generation, the magnitude of traffic entering and exiting the site is estimated for the AM and PM peak hours. As part of the project trip distribution, the directions to and from which the project trips would travel are estimated. In the project trip assignment, the project trips are assigned to specific streets and intersections. These procedures are described below.

#### Trip Generation

Through empirical research, data have been collected that quantify the amount of traffic produced by many types of land uses. This research is compiled in the *Trip Generation Manual, 10<sup>th</sup> Edition* (2017) published by the Institute of Transportation Engineers (ITE). The magnitude of traffic added to the roadway system by a particular development is estimated by multiplying the applicable trip generation rate(s) by the size of the development. Trips that would be generated by the proposed project were estimated using the ITE trip rates for Data Center (ITE Land Use 160) located in a general urban/suburban setting. As defined by the ITE, a "data center" is a free-standing warehouse type of facility that is primarily used for off-site storage of computer systems and associated components and may include maintenance areas and a small office.



#### **Trip Adjustments and Reductions**

In accordance with San Jose's *Transportation Analysis Handbook* (April 2018, Section 4.8, "Intersection Operations Analysis"), the project is eligible for adjustments and reductions from the baseline trip generation. Based on the 2018 San Jose guidelines, the project qualifies for a location-based adjustment. The location-based adjustment reflects the project's vehicle mode share based on the "place type" in which the project is located per the San Jose Travel Demand Model. The project's place type was obtained from the San Jose VMT Evaluation Tool. Based on the Evaluation Tool, the project site is located within a *Suburban with Single-Family Homes* place type. Therefore, the baseline project trips were adjusted to reflect the mode share associated with this place type.

Industrial developments located within areas designated *Suburban with Single-Family Homes* have a vehicle mode share of 95 percent (according to Table 6 of the City's *Transportation Analysis Handbook*). Thus, a 5 percent reduction was applied to the project trip generation estimates based on the location-based vehicle mode share outputs produced from the San Jose Travel Demand Model.

In addition, to address the significant VMT impact as described in Chapter 3, the project would implement multi-modal infrastructure improvements, parking reduction measures, and a commute trip reduction education program to lower the project VMT and reduce the project impact to a less-than-significant level. Accordingly, an 18 percent reduction was applied based on the corresponding external trip adjustment obtained from the VMT Evaluation Tool. The reduction was applied to the adjusted project trips (with location-based adjustment).

#### Net Project Trips

After applying the ITE trip rates to the proposed project and applying the appropriate trip adjustments and reductions, it is estimated that the project would generate 369 net new daily trips, with 41 net new trips (22 inbound and 19 outbound) occurring during the AM peak hour and 34 net new trips (10 inbound and 24 outbound) occurring during the PM peak hour (See Table 4).

#### Table 4

#### **Project Trip Generation Estimates**

	% of					A	M Pea	k Hour		PI	M Peal	k Hour	
	Vehicle	Reduction		Da	aily	Pk-Hr		Trips	;	Pk-Hr		Trips	
ITE Land Use	Mode Share	%	Size	Rate	Trips	Rate	In	Out	Total	Rate	In	Out	Total
Data Center <sup>1</sup>			479,000 SF	0.99	474	0.11	29	24	53	0.09	13	30	43
Location-Based Vehicle Mode Share Reduction <sup>2</sup>	95%	5%			(24)		(2)	(1)	(3)		(1)	(1)	(2)
Project-Specific Trip Reduction <sup>3</sup>		18%			(81)		(5)	(4)	(9)		(2)	(5)	(7)
Net Project Trips					369		22	19	41		10	24	34

Notes:

<sup>1</sup>The project trip generation estimates are based on average rates contained in the *ITE Trip Generation Manual*, 10th Edition, for Data Center (Land Use 160) located in a General Urban/Suburban setting. Rates are expressed in trips per 1,000 SF.

<sup>2</sup> The project site is located within the place type Suburban with Single-Family Homes based on the City of San Jose VMT Evaluation Tool (February 29, 2019). The location-based vehicle mode share percentage outputs are obtained from Table 6 of the City of San Jose Transportation Analysis Handbook (April 2018). The 5% trip reduction is based on the percent of mode share for other modes of travel besides vehicles.

<sup>3</sup>An 18% trip reduction was applied based on the external trip adjustments obtained from the City's VMT Evaluation Tool. This trip reduction reflects the multi-modal infrastructure improvements, parking reduction measures, and commute trip reduction education program being proposed by the project to reduce the project VMT impact to a less-than-significant level. It is assumed that every percent reduction in VMT per worker is equivalent to one percent reduction in peak-hour vehicle trips.

#### Trip Distribution and Assignment

The trip distribution pattern for the project was estimated based on existing travel patterns on the surrounding roadway system and the locations of complementary land uses. The peak-hour vehicle trips associated with the project were added to the roadway network in accordance with the trip distribution pattern, the roadway network connections, and the location of the project driveway. The project trip distribution pattern and trip assignment are shown on Figure 8.





Hexagon



#### Traffic Volumes Under All Scenarios

#### **Existing Traffic Volumes**

Due to the current COVID-19 pandemic situation, some businesses and schools are closed, and people are working at home to the extent possible. As a result, existing traffic volume is lower than what it was prior to the virus outbreak. It is not known when traffic levels will return to pre-virus conditions. Even though many businesses and schools have reopened, most are operating well below capacity. Thus, traffic volume is expected to remain reduced for an indefinite amount of time. For this reason, the City of San Jose is requiring that all new traffic counts for study intersections be put on hold until further notice. Instead of conducting new turning movement counts, City staff are requesting that an annual growth factor of 1% be applied to historical count data. Accordingly, a 1% annual growth factor was applied to the turning movement counts provided by City staff for this project. This approach allows transportation studies such as this to move forward without waiting for conditions to return to "normal".

Existing AM and PM peak hour traffic volumes for the three existing study intersections were obtained from the CMP Traffix count database and from counts provided by City of San Jose staff. The counts used were conducted in 2016 and 2018. An annual growth factor of 1% was applied to estimate existing traffic conditions. The existing AM and PM peak-hour intersection volumes are shown on Figure 9.

#### **Background Traffic Volumes**

Background AM and PM peak hour traffic volumes were estimated by adding to existing traffic volumes the trips generated by nearby approved but not yet completed or occupied projects (see Figure 10). The vehicular trips associated with the approved projects in the area are listed in the City of San Jose's Approved Trips Inventory (ATI) contained in Appendix B.

#### Background Plus Project Traffic Volumes

Project trips were added to background traffic volumes to obtain background plus project traffic volumes (see Figure 11).

#### **Intersection Traffic Operations**

Intersection levels of service were evaluated against the standards of the City of San Jose. The results of the analysis show that the signalized study intersections are currently operating at acceptable levels of service (LOS D or better) during the AM and PM peak hours of traffic and would continue to operate acceptably under background and background plus project conditions (see Table 5).

As previously discussed, the project would construct a new signalized intersection where the Nortech Parkway extension would intersect Zanker Road. The east leg of the intersection would provide access to the project site. This future signalized intersection is analyzed under background plus project conditions. The future geometry for the new signalized intersection is shown previously on Figure 5.

The detailed signalized intersection level of service calculations are contained in Appendix C.



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Background Plus Project Traffic Volumes

NORTH Not to Scale

#### Table 5 Intersection Levels of Service

				Existing		Backgr	ound	E	Backgr	ound + Project		
#	Signalized Intersection	Peak Hour	Count Date <sup>1</sup>	Avg. Delay (sec)	LOS	Avg. Delay (sec)	LOS	Avg. Delay (sec)	LOS	Incr. In Crit. Delay (sec)	Incr. In Crit. V/C	
1	Zankar Pd & Tasman Dr	AM	3/6/2018	35.0	D	37.9	D	38.0	D	0.1	0.002	
1		PM	3/6/2018	39.8	D	41.4	D	41.4	D	0.0	0.001	
2	Zankor Dd & SD 227 EB Damps *	AM	10/12/2016	14.9	В	15.3	В	15.4	В	0.1	0.008	
2	Zanker Ru & SR 257 EB Ramps	PM	11/1/2018	10.6	В	11.3	В	11.4	В	0.1	0.010	
2	Zankar Dd & SD 227 W/D Dampa *	AM	10/12/2016	11.6	В	11.4	В	11.7	В	0.3	0.005	
3	Zanker Ru & SR 237 WD Ramps	PM	11/1/2018	11.1	В	13.5	в	14.3	В	0.1	0.004	
4	Zankar Pd & Nortach Dkung (Eutura)	AM						3.9	А			
4	Zanker Ro & Nortech Pkwy (Future)	PM						3.7	А			
	Notes:											

\* Denotes CMP intersection

<sup>1</sup> An annual growth factor of 1% was applied to the historical count date to estimate "normal" (i.e., pre-COVID-19) traffic conditions.

# North San Jose Traffic Impact Fees

The project site is located immediately north of the North San Jose Area Development Policy (NSJADP) boundary. The NSJADP guides the ongoing growth and development of the North San Jose area as an important employment center for San Jose. Its key goals include proactively planning for growth to allow more industrial development in a way that benefits current San Jose residents. In order to support this employment growth, it also aims to develop pedestrian infrastructure, encourage use of the transit system, and provide local and regional transportation improvements. The Policy identifies specific transportation improvements necessary to support new development and establishes an equitable funding mechanism for new development to share the cost of those improvements through a Traffic Impact Fee (TIF). The TIF is used to fund various improvements needed to address current and future traffic conditions resulting from implementation of the NSJADP. The initial NSJADP TIF established back in 2005 for industrial/office/R&D development was \$10.44 per square foot (s.f.). Based on a 3.3% annual fee escalation that was established as part of the NSJADP, the 2020 TIF is \$16.99 per s.f. of industrial, office and R&D development. The next fee increase is anticipated to take place on July 1, 2021.

Although the project site is not actually located within the NSJADP boundaries, the project would contribute toward traffic growth within the NSJADP area since it would add vehicle trips to intersections located within the Policy area boundaries. Therefore, the project would be required to pay the applicable NSJADP TIF based on the amount of industrial space being proposed.

For the purpose of calculating the NSJADP fee amount, the size of the proposed data center would need to be converted to equivalent industrial space square footage since data center is not a land use listed in the NSJADP. As previously described, Data Centers are similar to industrial spaces in that they are essentially warehouses that store customer data and associated ancillary operations and have a small number of employees and visitors. Data centers may also include maintenance areas and a small office component.

# Vehicle Queuing Analysis

The analysis of intersection levels of service was supplemented with a vehicle queuing analysis for left turn movements where the project would add a noteworthy number of trips to the left-turn movements



of signalized intersections. This analysis provides a basis for estimating future storage requirements at the intersections under background plus project conditions. Vehicle queues were estimated using Poisson probability distribution, as described in Chapter 1. Vehicle queuing was analyzed for the southbound left-turn pocket at the intersection of Zanker Road and the SR 237 eastbound ramps and the westbound left-turn pocket at the future intersection of Zanker Road and Nortech Parkway. As shown in Table 6, both intersections would provide adequate left-turn pocket vehicle storage under background plus project conditions.

# Table 6Intersection Vehicle Queuing Analysis Results

	Zanker F Eastbou	Rd & SR 237 und Ramps	Zanker Rd & Nortec Pkwy (Future)				
	SI	3L	WBL				
Measurement	AM	РМ	AM	РМ			
Existing							
Cycle/Delay <sup>1</sup> (sec)	65	53					
Volume (vphpl)	61	285					
Total 95th %. Queue (veh.)	3	8					
Total 95th %. Queue (ft.) $^2$	75	200					
Total Storage	300	300					
Adequate (Y/N)	Y	Y					
Background							
Cycle/Delay <sup>1</sup> (sec)	65	53					
Volume (vphpl)	80	387					
Total 95th %. Queue (veh.)	4	10					
Total 95th %. Queue (ft.) $^2$	100	250					
Total Storage	300	300					
Adequate (Y/N)	Y	Y					
Background Plus Project							
Cycle/Delay <sup>1</sup> (sec)	65	53	100	100			
Volume (vphpl )	90	399	19	24			
Total 95th %. Queue (veh.)	4	10	2	2			
Total 95th %. Queue (ft.) $^2$	100	250	50	50			
Total Storage	300	300	100	100			
Adequate (Y/N)	Y	Y	Y	Y			

<sup>1</sup> Vehicle queue calculations are based on cycle length for signalized intersections.

<sup>2</sup> Assumes 25 Feet Per Vehicle Queued.

#### Zanker Road and Nortech Parkway

Based on available project information, it is assumed that the east leg (i.e., westbound approach) of the new Zanker Road and Nortech Parkway intersection, which would provide access to the project site, would consist of one left-turn lane, one through lane, and one right-turn lane. It is also assumed that the westbound left-turn pocket would provide at least 100 feet of vehicle storage, which would be adequate to serve the estimated westbound left-turn vehicle queues that would occur under background plus project conditions.



## Vehicular Access and Circulation

The site access and circulation evaluation is based on the July 26, 2019 site plan prepared by Jacobs. Site access and on-site vehicular circulation were reviewed in accordance with generally accepted traffic engineering standards.

#### **Site Access and Circulation**

The project generated traffic would access the site via a signalized intersection at Zanker Road and the new Nortech Parkway extension. The westbound leg would be a two-lane road with one inbound lane and one outbound lane and would provide direct access to the project site (see Figure 12). The entrance to the project site would be gated, with the gates open during regular hours of operation. East of the project entrance, the road would widen to two inbound lanes and one outbound lane before narrowing again to one inbound lane and one outbound lane. The widened portion of the roadway would have barrier arms and kiosks. One inbound lane would allow for free passage for employees with badges. The other inbound lane would be for visitors and deliveries requiring permission to enter the project site. Although not currently shown on the site plan, it is our understanding that the project intends to provide a sidewalk along the project driveway from the Nortech Parkway extension to the data center site.

Between the driveway entrance at Nortech Parkway and the barrier arms, there would be a short angled paved roadway for vehicles denied entry at the barrier arms to turn around and exit. There would also be an east-west paved roadway connecting the driveway entrance to the project site. This roadway would be a gated entrance to be used only by maintenance vehicles to access the substation.

Further east, at the northern portion of the project site, on each side of the first building, the internal roadway would widen to accommodate a center median and more barrier arms which would provide additional restrictions to on-site circulation.

As shown on Figure 12, the project site is a long and narrow, inverted L-shaped site with two buildings. The northern 241,705 square-foot building is an elongated building in line with the southern 237,268 square-foot elongated building. The southern building is L-shaped with an internal connection between the separated portion of the building. The buildings would each have a parking lot and a loading dock. The internal roadway network would provide access to the parking lots on the east side of each building and to the loading docks on the west side of each building. The internal roadway would loop around building two. The on-site internal roadway network is shown to be 26 feet wide, which meets the City's design guideline for minimum drive aisle width.

#### Sight Distance at Project Driveway

The project driveway should be free and clear of any obstructions to optimize sight distance, thereby ensuring that exiting vehicles can see pedestrians on the sidewalk and other vehicles traveling on the Nortech Parkway extension. Any landscaping and signage should be located in such a way as to ensure an unobstructed view for drivers entering and exiting the site. Adequate sight distance reduces the likelihood of a collision at a driveway or intersection and provides drivers with the ability to locate sufficient gaps in traffic to exit a driveway. According to the site plan, the project proposes no tall vegetation or objects that could affect sight distance at the project driveway.

Since only project traffic would utilize the Nortech Parkway extension (east of Zanker Road), adequate sight distance would be provided, and project traffic would be low (see Figure 12), vehicles are not expected to experience any operational issues entering or exiting the driveway.







#### Surface Parking Circulation Review

The project proposes two parking lots, each with one driveway entrance measuring 26 feet wide. Each parking lot would have 90-degree parking spaces. The City's standard minimum width for two-way drive aisles is 26 feet wide where 90-degree parking is provided. This allows sufficient room for vehicles to back out of the parking spaces. According to the site plan, the drive aisles throughout the parking measure 26 feet wide. Thus, adequate access to all parking stalls would be provided throughout the site.

#### Parking Stall Dimensions

The City of San Jose Off-Street Parking Design Standards require that standard 90-degree parking stall be a minimum of 8.5 feet wide by 17 feet long and full-size parking stalls be 9 feet wide by 18 feet long. The site plan shows the standard parking stalls would be 8.5 feet wide and 17 feet long and the ADA and van accessible parking spaces would be between 9 feet and 12 feet wide to 18 feet long, which would meet the City of San Jose's applicable requirements for parking stall dimensions.

### **Truck Access and Circulation**

The project site plan was reviewed for truck access using truck turning-movement templates for a SU-30 truck type (single-unit truck), which represents standard garbage trucks, various single-unit delivery trucks, and single-unit emergency vehicles. Based on the site plan configuration adequate access would be provided for SU-30 type trucks.

#### **General Loading Operations**

Each building would have an associated loading zone with three loading docks each and a trash compactor, which would be accessed from the west side of the buildings. Two loading docks would be for active deliveries. Per the City's Zoning Code 20.90.420, each off-street freight loading space must be no less than 10 feet wide by 30 feet long and provide at least 15 feet of vertical clearance, exclusive of driveways for ingress and egress and maneuvering areas. The proposed loading zones measure more than 10 feet wide and are approximately 55 feet long. Since the loading zones are located outside the buildings with no height limitations, they would meet the City's requirements for loading zone dimensions.

#### **Emergency Vehicle Access**

Emergency vehicles can access the site via the primary entrance off Nortech Parkway extension as well as a secondary entrance from Alviso Milpitas Road located on the south end of the site. The secondary entrance would be used for emergency vehicle access (EVA) only. Furthermore, the internal roadways would have duckout areas at regular intervals for emergency vehicles. Overall, emergency vehicle access at the project site would be adequate.

#### **Garbage Collection**

The site plan shows a 15-foot by 15-foot covered refuse area adjacent to each of the two loading dock locations. Garbage trucks could easily access these outside areas on collection days. Adequate clearance would be provided for garbage trucks to empty the bins over the truck.

### Zanker Road Plan Line Improvements

Plans documenting the planned improvements along Zanker Road in the immediate vicinity of the project site, including a new raised median, are attached in Appendix D. As shown in the Plan Line improvements, a short median would be built north of the Nortech Parkway extension and Zanker Road



intersection. South of the intersection, the median would extend to the SR 273 westbound ramps. Currently, the Zanker Road and Thomas Foon Chew Way intersection is unsignalized with left-turn access provided. With the median, vehicles exiting Thomas Foon Chew Way and intending to travel south would have to turn-right from Thomas Foon Chew Way onto Zanker Road and make a U-turn at the new Zanker Road/Nortech Parkway intersection. Similarly, for southbound vehicles on Zanker Road turning left onto Thomas Foon Chew Way would have to make a U-turn at the Zanker Road/Holger Way intersection since U-turns are restricted on Zanker Road at the SR 237 ramps. However, Thomas Foon Chew Way is a private service road that provides access to the Los Esteros Substation, and is expected to continue to generate very few trips.

## **Construction Activities**

The applicant will commence construction of the project after the existing structures have been demolished and any agriculture-related soil contamination is remediated consistent with requirements to be provided by the local lead agency. Possible remediation may include excavation for off-site disposal or capping in place. No off-site staging or laydown areas are proposed, as construction staging will occur on the project site or within the 75-foot construction corridor for linear features.

Demolition of the existing structures and soil excavation and removal work is expected to take approximately one month to complete. Once demolition and excavation work is complete, construction of the project is expected to take approximately 16 months to complete. Construction of the off-site linear features within the off-site infrastructure alignment areas is expected to be completed within the 17-month construction window. On-site construction is expected to require a maximum of 215 workers (craft and supervisory) per month and an average of 108 workers per month.

Per City standard practice, the project would be required to submit a construction management plan for City approval that includes the information described above (i.e., demolition plan, remediation procedure, construction schedule, and construction staging and parking areas), as well as planned street closures and/or detours and planned truck routes.

Typical activities related to the construction of any development could include lane narrowing and/or lane closures, sidewalk and pedestrian crosswalk closures, and bike lane closures. In the event of any type of closure, clear signage (e.g., closure and detour signs) must be provided to ensure vehicles, pedestrians and bicyclists are able to adequately reach their intended destinations safely.

#### **Construction Vehicle Access**

The site plan shows a driveway on Alviso Milpitas Road at the south end of the site. This secondary entrance would be constructed in advance of the Nortech Parkway extension and main project driveway. Thus, all construction vehicles would use Alviso Milpitas Road to access the site during construction of the project including the Nortech Parkway extension. It is expected that all construction vehicles would access Alviso Milpitas Road via the McCarthy Boulevard/Ranch Drive intersection east of the site, since this is the only paved connection to Alviso Milpitas Road that currently exists. Accordingly, construction vehicles would be routed through the SR 237/McCarthy Boulevard interchange and away from residential neighborhoods and dense employment areas. Ultimately, the mandatory construction management plan would identify the official truck routes. Due to the relatively isolated project site location and secluded southern driveway, no operational issues related to construction vehicles would be expected.



# Pedestrian, Bicycle and Transit Facilities

All new development projects in San Jose should encourage multi-modal travel, consistent with the goals of the City's General Plan. It is the goal of the General Plan that all development projects accommodate and encourage the use of non-automobile transportation modes to achieve San Jose's mobility goals and reduce vehicle trip generation and vehicle miles traveled. In addition, the adopted City Bike Master Plan establishes goals, policies, and actions to make bicycling a daily part of life in San Jose. The Master Plan includes designated bike lanes along all City streets, as well as on designated bike corridors. In order to further the goals of the City, pedestrian and bicycle facilities should be encouraged with new development projects.

#### **Pedestrian and Bicycle Facilities**

The project proposes to make several bicycle and pedestrian improvements in the vicinity of the project site as well as internally on the project site. These improvements include the following:

- Bike lanes and sidewalks along both sides of the Nortech Parkway extension.
- Bicycle racks on the project site near the administrative buildings and wayfinding signage and bike route markings on the on-site internal roadway network.
- Pedestrian improvements at the new signalized intersection of Zanker Road and the Nortech Parkway extension including striped crosswalks and pedestrian signals and push buttons. These improvements would be constructed as part of the project VMT mitigation.
- A new raised median along Zanker Road between Nortech Parkway and the SR 237 westbound ramps, which will reduce vehicular speeds by narrowing the roadway and will provide a refuge for pedestrians. These improvements would be constructed as part of the project VMT mitigation.
- A new multi-use two-way trail along the east side of Zanker Road connecting the SR 237 Bikeway Trail to the future Nortech Parkway extension. The trail extension would be constructed as part of the project VMT mitigation.

#### **Transit Service**

There are no transit stops in the immediate vicinity of the project site. The nearest transit facilities are located at the McCarthy Boulevard/ Ranch Drive intersection (about 0.5 mile east of the project site) and at the Zanker Road/Tasman Drive intersection (about 1.5 miles south of the project site) and have limited first mile/last mile connectivity. However, due to the isolated site location and general nature of the industrial project, the project is expected to generate very few new transit trips.

# Parking

#### **Vehicular Parking**

According to the City of San Jose's off-street parking requirements (Chapter 20.90, Table 20-190 of the City's Zoning Code), the vehicle parking requirements for the 478,973 s.f. Data Center are as follows:

- Office/Meeting/Technician Workspace: 1 space per 250 s.f. of floor area, and
- Computer Equipment Space: 1 space per 5,000 s.f. of floor area.

The project proposes approximately 22,370 s.f. of office/meeting/technician workspace and approximately 456,603 s.f. of computer equipment space. Thus, based on the City's municipal code, the project would require 182 vehicular parking spaces as show in Table 7 below.



#### Table 7

#### Vehicle Parking Requirements Based on City of San Jose Municipal Code

		City of San Jose Parking R	equirements
Unit Type	Square Feet	Parking Ratio	Spaces Required
Office/Meeting/Technician Workspace	22,370	1 space per 250 sq.ft.	90
Computer Equipment Space	456,603	1 space per 5,000 sq.ft.	92
Total:	478,973		182
Source: San Jose Municipal Code Chapter	20.90, Table 20-1	190.	

According to the site plan, the project proposes to provide 116 vehicle parking spaces, or 66 fewer parking spaces than what the City's municipal code requires. The project would require a parking exception from the City of San Jose Planning Department to allow for a reduction in parking supply. Accordingly, previous parking data collected at two existing Data Centers operating in the City of Santa Clara will be used to demonstrate that the actual parking demand for Data Centers is less than the City of San Jose's parking requirement. The details of the parking demand analysis are described below.

#### Parking Demand for Data Centers

Parking demand data at five Data Centers in the City of Santa Clara were collected in 2017. Of the five Data Centers, three are smaller and two are similar in size to the proposed project. For this reason, only the parking counts for the two similarly sized Data Centers were used. Parking demand counts were conducted on three weekdays in August of 2017 at both locations.

The two comparable Data Centers that were counted are located at 2045 Lafayette Street in Santa Clara (323,122 s.f.) and 2220 De La Cruz Boulevard in Santa Clara (365,489 s.f.). Parking demand was counted every hour between 8:00 AM and 6:00 PM on August 8, 2017 (Tuesday), August 9, 2017 (Wednesday), and August 10, 2017 (Thursday). The parking demand study is contained in Appendix E.

The total number of cars parked every hour were counted at each site. The peak parking demand occurs when the maximum number of cars are present at the site. The peak parking demand for both Data Center locations occurred at 1:00 PM with 75 total cars parked on site at 2045 Lafayette Street (Wednesday 8/9/2017) and 84 cars parked on site at 2220 De La Cruz Boulevard (Thursday 8/10/2017). The results of the parking study are presented below in Table 8.

The peak parking demand per 1,000 s.f. was calculated by dividing the number of parked cars by the size of each Data Center. As shown in the table, both Data Centers had a peak demand of 0.23 parking spaces per 1,000 s.f. Based on this observed peak parking demand rate, the proposed 478,973 s.f. Data Center project would need to provide 111 parking spaces as follows:

(478,973 s.f. / 1,000 s.f.) x 0.23 spaces = 110.16 = 111 spaces (rounded up)

The project proposes to provide 116 parking spaces, which would exceed the calculated peak parking demand by 5 parking spaces. Therefore, based on the Data Center parking demand analysis, 116 vehicle parking spaces would be adequate to serve the project. However, a parking exception would be required to allow the proposed reduction in parking supply. It is ultimately up to the City of San Jose Planning Department purview to adopt a different parking requirement standard for the project.



	Parked Cars												
		2045 Lafaye	tte Street		2220 De La Cruz Boulevard								
	8/8/2017	8/9/2017	8/10/2017	Daily	8/8/2017	8/9/2017	8/10/2017	Daily					
Time	Tuesday	Wednesday	Thursday	Average	Tuesday	Wednesday	Thursday	Average					
8:00 AM	58	54	56	56	67	69	70	69					
9:00 AM	60	55	58	58	71	71	73	72					
10:00 AM	58	56	62	59	83	74	81	79					
11:00 AM	59	51	56	55	81	76	81	79					
12:00 PM	56	51	54	54	75	69	71	72					
1:00 PM	63	75	74	71	70	68	84	74					
2:00 PM	65	71	68	68	71	68	76	72					
3:00 PM	53	65	67	62	72	60	63	65					
4:00 PM	50	52	61	54	51	53	57	54					
5:00 PM	32	35	41	36	41	49	52	47					
6:00 PM	24	32	36	31	27	30	34	30					
Size (s.f)		323,1	122			365,4	189						
Max. Parking Demand (veh/ ksf)	Parking Demand (veh/ksf) 0.232 0.230												

# Table 8 Summary of Parking Demand Counts for Data Centers in Santa Clara

#### **Bicycle Parking**

The project is required to provide 1 bicycle parking space per 5,000 s.f. of office/meeting/technician workspace, plus 1 bicycle parking space for each 50,000 s.f. of floor area devoted to computer equipment space according to the City of San Jose Municipal Code (Chapter 20.90, Table 20-190). This equates to a total parking requirement of 15 bicycle spaces as follows:

Office/Meeting/Technician Workspace: 22,370 s.f. / 5,000 s.f. = 4.47 = 5 spaces (rounded up)

Computer Equipment Space: 456,603 s.f. / 50,000 s.f. = 9.13 = 10 spaces (rounded up)

The project proposes to provide 35 bicycle parking spaces, which would exceed the City's bicycle parking requirement. Bicycle racks would be provided near the entrances to the administrative portion of the buildings.

### Motorcycle Parking

General industrial land uses are required to provide one motorcycle space per 50 code required auto parking spaces according to the City of San Jose parking standards (San Jose Municipal Code Chapter 20.90, Table 20-250). As described in the previous chapter, a data center has similar characteristics to industrial land uses. Accordingly, the project would be required to provide 4 motorcycle parking spaces as follows:

182 Code-required auto spaces / 50 = 3.64 = 4 motorcycle spaces (rounded up)

The project proposes to provide two motorcycle parking spaces in each parking lot, which meets the City's parking requirement of 4 motorcycle spaces.



# 5. Conclusions

This report presents the results of the transportation analysis conducted for a proposed approximately 479,000 square-foot (s.f.) data center campus located at 1657 Alviso-Milpitas Road in San Jose, California. The transportation impacts of the project were evaluated following the standards and methodologies established in the City of San Jose's Transportation Analysis Handbook, adopted in April 2018. Based on the City of San Jose's Transportation Analysis Policy (Policy 5-1) and the Transportation Analysis Handbook and in accordance with applicable provisions of the California Environmental Quality Act (CEQA), the Transportation Analysis report for the project includes a CEQA transportation analysis and a non-CEQA Local Transportation Analysis (LTA).

# **CEQA Transportation Impacts**

### Project Vehicle Miles Traveled (VMT) Analysis

Per the City's VMT Evaluation Tool, the existing Area VMT for employment uses is 17.30 VMT per employee, which is above the existing regional average threshold of 14.37 VMT per employee. The project VMT estimated by the Evaluation Tool is 17.24 VMT per employee, which also exceeds the applicable industrial threshold of 14.37 VMT per employee. Since the VMT generated by the project would exceed the threshold of significance for industrial employment uses in the area, the project would result in a significant transportation impact on VMT, and mitigation measures are required to reduce the VMT impact.

#### Project Mitigation

The following multi-modal infrastructure improvements (numbers 1 - 4 below), parking reduction measure (number 5 below), and Transportation Demand Management (TDM) measure (number 6 below) will be implemented to mitigate the significant VMT impact:

- 1. Increase Roadway Network Connectivity
- 2. Traffic Calming
- 3. Pedestrian Network Improvements
- 4. Bike Access Improvements
- 5. Limit Parking Supply
- 6. Commute Trip Reduction Marketing and Education



Based on the City's VMT Evaluation Tool, implementing the recommended mitigation measures would lower the project VMT to 14.12 per employee (a reduction of about 18%), which would reduce the project impact to a less-than-significant level (below the threshold of 14.37 VMT per employee).

#### Cumulative VMT Impact Analysis

The proposed project would be consistent with the development type and intensity provided in the *Envision San Jose 2040 General Plan*, the cumulative effects of which were previously evaluated in the *Envision San Jose 2040 General Plan Environmental Impact Report* and *Supplemental Program Environmental Impact Report*. The project is consistent with the applicable General Plan goals and policies for the following reasons:

- The project's proposed use is consistent with the current zoning: Light Industrial (LI).
- While the project would increase the employment density in the project area, the proposed density would be consistent with the current General Plan Land Use Designation that applies to the project site.
- The project would provide improvements to pedestrian and bicycle connectivity and safety in the vicinity of the project site by constructing a Class I Bikeway Trail extension.
- The project would provide improvements to roadway network connectivity and safety near the project site by constructing a new intersection at Zanker Road/Nortech Parkway, extending Nortech Parkway east of Zanker Road, and constructing a raised median on Zanker Road.

Based on the project description, the proposed project would be consistent with the *Envision San Jose 2040 General Plan* and would not require a General Plan Amendment (GPA). The project including its proposed improvements would be considered part of the cumulative solution to meet the General Plan's long-range transportation goals and would result in a less-than-significant cumulative impact.

# Local Transportation Effects

#### **Project Trip Generation**

After applying the ITE trip rates to the proposed project and applying the appropriate trip adjustments and reductions, it is estimated that the project would generate 369 net new daily trips, with 41 net new trips (22 inbound and 19 outbound) occurring during the AM peak hour and 34 net new trips (10 inbound and 24 outbound) occurring during the PM peak hour.

#### **Intersection Traffic Operations**

The results of the intersection level of service analysis show that the three existing signalized study intersections are currently operating at acceptable levels of service (LOS D or better) during the AM and PM peak hours of traffic and would continue to operate acceptably under background and background plus project conditions. The future signalized intersection of Zanker Road and Nortech Parkway also would operate acceptably under background plus project conditions.

#### North San Jose Traffic Impact Fees

Although the project site is not actually located within the NSJADP boundaries, the project would contribute toward traffic growth within the NSJADP area since it would add vehicle trips to intersections located within the Policy area boundaries. Therefore, the project would be required to pay the applicable NSJADP TIF based on the amount of industrial space being proposed. The initial NSJADP traffic impact fee (TIF) established back in 2005 for industrial/office/R&D development was \$10.44 per square foot (s.f.). Based on a 3.3% annual fee escalation that was established as part of the NSJADP,



the 2020 TIF is \$16.99 per s.f. of industrial, office and R&D development. The next fee increase is anticipated to take place on July 1, 2021.

For the purpose of calculating the NSJADP fee amount, the size of the proposed data center would need to be converted to equivalent industrial space square footage since data center is not a land use listed in the NSJADP. Data centers, such as the project, are similar to industrial spaces in that they are essentially warehouses that store customer data and associated ancillary operations and have a small number of employees and visitors.

#### **Other Transportation Items**

The proposed site plan shows adequate site access and on-site circulation for automobiles. The project would enhance pedestrian and bicycle access and circulation by providing sidewalks and bike facilities along the Nortech Parkway extension. In addition, the project would construct a Class I Bikeway Trail extension along the east side of Zanker Road (within the City's ROW), connecting the existing trail segment with the new Nortech Parkway extension. Below are recommendations resulting from the site plan review, which are recommended to be included as part of the project in addition to the foregoing improvements.

#### **Recommendation**

• Provide a sidewalk along the project driveway from the Nortech Parkway extension to the data center site.

# San Jose Data Center (SJC02) TA Technical Appendices



# Appendix A Intersection Volumes



Intersection Number:		1												
I raffix Node Number:		3821 Zankar	Dood		• Toom	n Drive								
Reak Houry			Roau		α rasma		;				Data of Ar		04/07	01
Count Date:		AIVI 03/06/1	Q								Date of Ar	larysis.	04/27/	21
Scenario:		479 00	0 SF Data	a Cente	r									
		110,000			•				S.J Grov	wth Fac	tor (% Per	Year)	0.01	
									0.0	1	Number of	Years:	3.08	
					_		Mover	nents		_				_
Scenario <sup>.</sup>		No RT	rth Appro	ach I T	- Eas	t Appro TH	I T	- Sout	th Appr TH	oach	RT	st Appro	Jach	Total
														, eta,
Existing Count (Mar 2018)		27	243	405	836	1116	242	110	625	102	34	230	60	4030
1% Annual Growth (SJ Count Adjustmen	nt)	1	7	12	26	34	7	3	19	3	1	7	2	124
Existing Conditions (Apr 2021)		28	250	417	862	1150	249	113	644	105	35	237	62	4154
Annroved Project Trins														
San Jos	se ATI	12	72	59	66	119	15	22	106	56	12	106	17	662
Appro	oved 2	0	0	0	0	0	0	0	0	0	0	0	0	0
Appro	oved 3	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Approved	Trips	12	72	59	66	119	15	22	106	56	12	106	17	662
Background Conditions		40	322	476	928	1269	264	135	750	161	47	343	79	4816
Bkgrd	check	40	322	476	928	1269	264	135	750	161	47	343	79	1010
Project Trips	t Tripo	2	4	1	1	0	0	0	5	0	0	0	2	15
Project Project T	Tripe 2	2	4	0	0	0	0	0	0	0	0	0	2	15
Existing Trip C	Credits	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Project	Trips	2	4	1	1	0	0	0	5	0	0	0	2	15
Deskansund - Dreiset Conditions		40	200	477	000	4000	004	405	755	101	47	242	04	4004
Background + Project Conditions	check	42	320	477	929	1269	264	135	755	161	47	343	81	4831
Digital Proje	onoon		020		020	1200	201	100	100	101		0.0	01	
Traffix Node Number:		3031												
Intersection Name: Peak Hour: Count Date:		Zanker <b>AM</b> 10/12/1	Road 6		& SR 23	7 EB R	amps				Date of Ar	alysis:	04/27/	21
Intersection Name: Peak Hour: Count Date: Scenario:		Zanker <b>AM</b> 10/12/1 479,000	Road 6 0 SF Data	a Cente	& SR 23 r	7 EB R	amps				Date of Ar	nalysis:	04/27	/21
Intersection Name: <b>Peak Hour:</b> Count Date: Scenario:		Zanker <b>AM</b> 10/12/1 479,000	Road 6 0 SF Dat	a Cente	& SR 23 r	7 EB R	amps	;	SJ Grov	wth Fac	Date of Ar tor (% Per	nalysis: Year): Years:	04/27, 0.01 4.50	/21
Intersection Name: Peak Hour: Count Date: Scenario:		Zanker <b>AM</b> 10/12/1 479,000	Road 6 0 SF Data	a Cente	& SR 23 r	7 EB R	amps Moverr	nents	SJ Grov	wth Fac	Date of Ar tor (% Per Number of	nalysis: Year): Years:	04/27, 0.01 4.50	/21
Intersection Name: Peak Hour: Count Date: Scenario:		Zanker AM 10/12/1 479,000	Road 6 0 SF Data	a Cente	& SR 23 r Eas	7 EB R	amps Movem bach	nents Sout	SJ Grov	wth Fac	Date of Ar tor (% Per Number of Wes	nalysis: Year): Years: st Appro	04/27, 0.01 4.50	-
Intersection Name: Peak Hour: Count Date: Scenario: Scenario:		Zanker <b>AM</b> 10/12/1 479,000 	Road 6 0 SF Data rth Appro TH	a Cente bach	& SR 23 r Eas RT	7 EB R st Appro TH	Amps Movem bach LT	nents Sout RT	SJ Grov th Appr TH	wth Fac N oach LT	Date of Ar tor (% Per Number of Wes RT	Year): Years: Years: st Appro TH	04/27, 0.01 4.50 Dach LT	'21 - - - Total
Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Scenario:		Zanker <b>AM</b> 10/12/1 479,000 No RT	Road 6 0 SF Data rth Appro TH	a Cente pach LT	& SR 23	7 EB R	Movem bach LT	nents Sout RT	SJ Grov th Appr TH	wth Fac N Dach LT	Date of Ar tor (% Per Number of RT	Year): Years: Years: st Appro TH	04/27, 0.01 4.50 Dach LT	'21 - - - <u>Total</u>
Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Oct 2016) 10 Annual Count (S / Count Adjustment		Zanker AM 10/12/1 479,000 	Road 6 0 SF Data rth Appro TH 306	a Cente pach LT 58	& SR 23	7 EB R	Movem pach LT	nents Sout RT 391	SJ Grov th Appr TH 747 24	wth Fac N Dach LT	Date of Ar tor (% Per Number of Wes RT 511	Year): Years: Years: st Appro TH	04/27. 0.01 4.50 Dach LT 30	2045
Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Oct 2016) 1% Annual Growth (SJ Count Adjustmen Evisting Conditions (Apr 2021)	nt)	Zanker AM 10/12/1 479,000 No RT 0 0	Road 6 D SF Data TH 306 14 320	a Cente pach LT 58 3	& SR 23	7 EB R st Appro TH 0 0	Moverr bach LT 0 0	nents Sout RT 391 18 409	SJ Grov th Appr TH 747 34 781	wth Fac N Dach LT 0 0	Date of Ar tor (% Per Number of RT 511 23 534	Year): Years: Years: St Appro TH 2 0	04/27. 0.01 4.50 Dach LT 30 1 31	2015 - - - - - - - - - - - - - - - - - - -
Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Oct 2016) 1% Annual Growth (SJ Count Adjustmen Existing Conditions (Apr 2021)	nt)	Zanker AM 10/12/1 479,000 No RT 0 0 0	Road 6 0 SF Dat: rth Appro TH 306 14 320	a Cente pach LT 58 3 61	& SR 23 rEas0 0 0 0	7 EB R st Appro TH 0 0 0	Moverr pach LT 0 0 0	1ents Sout RT 391 18 409	SJ Grov th Appr TH 747 34 781	wth Fac pach LT 0 0 0 0	Date of Ar tor (% Per Number of RT 511 23 534	Year): Years: Years: St Appro TH 2 0 2	04/27, 0.01 4.50 Dach LT 30 1 31	/21 - - - - - - - - - - - - - - - - - - -
Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Oct 2016) 1% Annual Growth (SJ Count Adjustmen Existing Conditions (Apr 2021) Approved Project Trips	)t)	Zanker AM 10/12/1 479,000 No RT 0 0 0	Road 6 0 SF Dati 0 SF Dati 0 SF Dati 14 306 14 320	a Cente pach LT 58 3 61	& SR 23 rEas0 0 0	7 EB R st Appro TH 0 0 0	Movem Dach LT 0 0 0	10011 Sout RT 391 18 409	SJ Grov th Appr TH 747 34 781	wth Fac Dach LT 0 0 0	Date of Ar tor (% Per Number of RT 511 23 534	Year): Years: St Appro TH 2 0 2	04/27 0.01 4.50 Dach LT 30 1 31	21 
Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Oct 2016) 1% Annual Growth (SJ Count Adjustmen Existing Conditions (Apr 2021) Approved Project Trips San Jos	<i>nt)</i> se ATI	Zanker AM 10/12/1 479,000 No RT 0 0 0 0 0	Road 6 <u>0 SF Dat</u> rth Appro TH 306 14 320 106	a Cente pach LT 58 3 61 19	& SR 23 r Eas RT 0 0 0 0	7 EB R t Appro TH 0 0 0 0 0	Movem Dach LT 0 0 0	15	SJ Grov th Appr TH 747 34 781 123	wth Fac Dach LT 0 0 0 0 0	Date of Ar tor (% Per Number of RT 511 23 534 78	Year): Years: Years: St Appro TH 2 0 2 0	04/27, 0.01 4.50 Dach LT 30 1 31	21 
Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Oct 2016) 1% Annual Growth (SJ Count Adjustmen Existing Conditions (Apr 2021) Approved Project Trips San Jos Appro	nt) se ATI	Zanker AM 10/12/1 479,000 No RT 0 0 0 0 0 0 0 0	Road 6 0 SF Dat: Tth Appro- TH 306 14 320 106 0	a Cente bach LT 58 3 61 19 0	& SR 23 r Eas RT 0 0 0 0 0 0 0	7 EB R t Appro TH 0 0 0 0 0 0	Movem pach LT 0 0 0 0	15 0 15 0	SJ Grov th Appr TH 747 34 781 123 0	wth Fac bach LT 0 0 0 0 0 0	Date of Ar tor (% Per <u>Number of</u> <u>RT</u> 511 23 534 78 0	ryear): Years: Years: St Appro TH 2 0 2	04/27, 0.01 4.50 Dach LT 30 1 31 1 0	2045 92 2137 342 0
Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Oct 2016) 1% Annual Growth (SJ Count Adjustmen Existing Conditions (Apr 2021) Approved Project Trips San Jos Appro	nt) se ATI oved 2 oved 3	Zanker AM 10/12/1 479,000 No RT 0 0 0 0 0 0 0 0 0 0	Road 6 0 SF Dat: orth Appro- TH 306 14 320 106 0 0 0	a Cente	& SR 23	7 EB R t Appro TH 0 0 0 0 0 0 0 0 0 0 0 0 0	Movem pach LT 0 0 0 0	sourt Sourt RT 391 18 409 15 0 0	SJ Grov th Appr TH 747 34 781 123 0 0	wth Fac bach LT 0 0 0 0 0	Date of Ar tor (% Per Number of RT 511 23 534 78 0 0	vyear): Years: Years: St Appro TH 2 0 2 0 0 0 0	04/27. 0.01 4.50 Dach LT 30 1 31 1 0 0	2045 92 2137 342 0
Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Oct 2016) 1% Annual Growth (SJ Count Adjustmen Existing Conditions (Apr 2021) Approved Project Trips San Jos Appro Total Approved	et) se ATI oved 2 oved 3 1 Trips	Zanker AM 10/12/1 479,000 No RT 0 0 0 0 0 0 0 0 0 0 0	Road 6 0 SF Dat: TH 306 14 320 106 0 106	a Cente Dach LT 58 3 61 19 0 0 19	& SR 23 rEas0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 EB R st Appro- TH 0 0 0 0 0 0 0 0 0	Movem Dach LT 0 0 0 0 0 0 0	sout RT 391 18 409 15 0 15	SJ Grov th Appr TH 747 34 781 123 0 123	wth Fac poach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of Ar tor (% Per <u>Number of</u> <u>Wee</u> <u>RT</u> 511 23 534 78 0 0 78	Year): Years: St Appro TH 2 0 2 0 0 0 0 0 0	04/27. 0.01 4.50 Dach LT 30 1 31 1 0 0 1	21 - - - - - - - - - - - - - - - - - - -
Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Oct 2016) 1% Annual Growth (SJ Count Adjustmen Existing Conditions (Apr 2021) Approved Project Trips San Jos Appro Total Approved Background Conditions	nt) se ATI oved 2 oved 3 I Trips	Zanker AM 10/12/1 479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 6 0 SF Data 0 SF Data 10 14 320 106 0 106 0 106 426	a Cente	& SR 23 rEas0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 EB R st Appro TH 0 0 0 0 0 0 0 0	Movem pach LT 0 0 0 0 0 0 0	15 0 15 424	SJ Grov th Appr TH 747 34 781 123 0 123 904	wth Fac pach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of Ar tor (% Per Number of RT 511 23 534 78 0 0 78 0 78	alysis: Years: Years: St Appro TH 2 0 2 0 0 0 0 0 0 0	04/27. 0.01 4.50 Dach LT 30 1 31 1 0 1 32	21 - - - - - - - - - - - - - - - - - - -
Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Oct 2016) 1% Annual Growth (SJ Count Adjustmen Existing Conditions (Apr 2021) Approved Project Trips San Jos Appro Total Approved Background Conditions	nt) se ATI oved 2 oved 3 <i>Trips</i>	Zanker AM 10/12/1 479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 6 0 SF Data orth Appro- TH 306 14 320 106 0 106 0 106 426 426	a Cente pach LT 58 3 61 19 0 0 19 80 80 80	& SR 23 rEas0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 EB R st Appro TH 0 0 0 0 0 0 0 0 0 0 0 0 0	Movem pach LT 0 0 0 0 0 0 0 0 0 0	15 0 15 424 424	SJ Grov th Appr TH 747 34 781 123 0 0 123 904 904	wth Fac N Dach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of Ar tor (% Per Number of RT 511 23 534 78 0 0 78 612 612	ryear): Years: Years: St Appro TH 2 0 2 0 0 0 0 0 0 0 0 2 2 2	04/27. 0.01 4.50 Dach LT 30 1 31 1 0 0 1 32 32	21 <i>Total</i> 2045 92 2137 342 0 342 2479
Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Oct 2016) 1% Annual Growth (SJ Count Adjustmen Existing Conditions (Apr 2021) Approved Project Trips San Jos Appro Total Approved Background Conditions	nt) se ATI oved 2 oved 3 <i>Trips</i>	Zanker AM 10/12/1 479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 6 0 SF Data orth Appro- TH 306 14 320 106 0 106 0 106 426 426	a Cente pach LT 58 3 61 19 0 0 19 80 80	& SR 23 rEas0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 EB R st Appro- TH 0 0 0 0 0 0 0 0 0 0 0 0 0	Movem pach LT 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ents Sout RT 391 18 409 15 0 0 15 424 424	SJ Grov th Appr TH 747 34 781 123 0 0 123 904 904	wth Fac N Dach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of Ar tor (% Per Number of RT 511 23 534 78 0 0 78 612 612	Year):         Years:         St Appro         TH         2         0         2         0         0         0         0         2         2         0         2         2         0         2         2         2         2         2         2         2         2         2         2         2         2         2	04/27. 0.01 4.50 Dach LT 30 1 31 1 0 0 1 32 32	21 
Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Oct 2016) 1% Annual Growth (SJ Count Adjustmen Existing Conditions (Apr 2021) Approved Project Trips San Jos Appro Total Approved Background Conditions Bkgrd	nt) se ATI oved 2 oved 3 <i>Trips</i> check	Zanker AM 10/12/1 479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 6 0 SF Data orth Appro- TH 306 14 320 106 0 106 426 426 426	a Cente	& SR 23 rEasRT000000 _	7 EB R st Appro- TH 0 0 0 0 0 0 0 0 0 0 0 0 0	Movem pach LT 0 0 0 0 0 0 0 0 0 0	South           South           RT           391           18           409           15           0           15           424           424	SJ Grov th Appr TH 747 34 781 123 0 0 123 904 904	wth Fac N Dach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of Ar tor (% Per <u>Number of</u> <u>8</u> 511 23 534 78 0 0 78 612 612	Year):         Years:         St Appro         TH         2         0         2         0         0         0         0         2         2         0         2         2         0         2         0         2         2         2         2         2         2         2         2         2         2         2         2         2         3	04/27. 0.01 4.50 Dach LT 30 1 31 1 0 0 1 32 32 -	21 <i>Total</i> 2045 92 2137 342 0 0 342 2479
Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Oct 2016) 1% Annual Growth (SJ Count Adjustmen Existing Conditions (Apr 2021) Approved Project Trips San Jos Appro Total Approved Background Conditions Bkgrd Project Trips Project	et) se ATI oved 2 oved 3 <i>Trips</i> check	Zanker AM 10/12/1 479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 6 0 SF Data TH 306 14 320 106 0 106 426 426 7 7	a Cente	& SR 23 r - Eas - RT - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 EB R st Appro- TH 0 0 0 0 0 0 0 0 0 0 0 0 0	Movem pach LT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	South           South           RT           391           18           409           15           0           15           424           424           0	SJ Grov th Appr TH 747 34 781 123 0 123 904 904 904	wth Fac N Dach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of Ar tor (% Per <u>Number of</u> <u>8</u> 511 23 534 78 0 0 78 612 612 0 0	Year):         Years:         St Appro         TH         2         0         2         0	04/27. 0.01 4.50 0ach LT 30 1 31 1 0 1 32 32 3 3	21 <i>Total</i> 2045 92 2137 342 0 0 342 2479 27
Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Oct 2016) 1% Annual Growth (SJ Count Adjustmen Existing Conditions (Apr 2021) Approved Project Trips San Jos Appro Total Approved Background Conditions Bkgrd Project Trips Project Trips	et) se ATI oved 2 oved 3 <i>Trips</i> check t Trips 2 rips 2	Zanker AM 10/12/1 479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 6 0 SF Data TH 306 14 320 106 0 106 426 426 7 0 0	a Cente	& SR 23 r - Eas - RT - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 EB R st Appro- TH 0 0 0 0 0 0 0 0 0 0 0 0 0	Movem           Dach           LT           0	South           South           RT           391           18           409           15           0           15           424           424           0           0	SJ Grov th Appr TH 747 34 781 123 0 123 904 904 904 8 0 0	wth Fac Dach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of Ar tor (% Per <u>Number of</u> <u>8</u> <u>8</u> 511 23 534 78 0 0 78 612 612 0 0 0 0	alysis: Years: Years: St Appro TH 2 0 2 0 0 0 0 0 2 2 0 0 0 0 0 0	04/27. 0.01 4.50 Dach LT 30 1 31 1 0 1 32 32 3 0 0	21 <i>Total</i> 2045 92 2137 342 0 0 342 2479 27 0 0
Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Oct 2016) 1% Annual Growth (SJ Count Adjustmen Existing Conditions (Apr 2021) Approved Project Trips San Jos Appro Total Approved Background Conditions Bkgrd Project Trips Project Trips Project Trips Project Trips	t) se ATI by ved 2 by ved 3 <i>Trips</i> check t Trips 2 Credits t Trips	Zanker AM 10/12/1 479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 6 0 SF Data or SF Data 10 10 106 0 106 426 426 7 0 0 7	a Cente	& SR 23 r - Eas - RT - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 EB R st Appro TH 0 0 0 0 0 0 0 0 0 0 0 0 0	Movem           bach           LT           0	sout Sout RT 391 18 409 15 0 0 15 424 424 0 0 0 0 0 0 0 0 0 0 0 0 0	SJ Grov th Appr TH 747 34 781 123 0 123 904 904 8 0 0 8	wth Fac pach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of Ar tor (% Per Number of RT 511 23 534 78 0 0 78 612 612 0 0 0 0 0 0 0	Year):           Years:           St Appro           TH           2           0	04/27. 0.01 4.50 Dach LT 30 1 31 1 0 0 1 32 32 3 0 0 3	21 Total 2045 92 2137 342 0 0 342 2479 27 0 0 27
Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Oct 2016) 1% Annual Growth (SJ Count Adjustmen Existing Conditions (Apr 2021) Approved Project Trips San Jos Approved Project Trips Total Approved Background Conditions Bkgrd Project Trips Project Trips Project Trips	et) se ATI byed 2 byed 3 <i>Trips</i> check t Trips 2 Credits t Trips 2	Zanker AM 10/12/1 479,000 No RT 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 6 D SF Dat: TH Appro- TH 306 14 320 106 426 426 426 7 0 0 7	a Cente	& SR 23 rEas0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 EB R 5t Appro TH 0 0 0 0 0 0 0 0 0 0 0 0 0	Movem           Dach           LT           0	sourt RT 391 18 409 15 0 0 15 424 424 424 0 0 0 0 0 0	SJ Grov th Appr TH 747 34 781 123 0 123 904 904 80 0 8	wth Fac pach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of Ar tor (% Per <u>Number of</u> <u>RT</u> 511 23 534 78 0 0 78 612 612 612 0 0 0 0 0 0	Year):           Years:           St Appro           TH           2           0           2           0	04/27. 0.01 4.50 Dach LT 30 1 31 1 0 0 1 32 32 32 3 0 0 3	21 Total 2045 92 2137 342 0 0 342 2479 27 0 0 27
Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Oct 2016) 1% Annual Growth (SJ Count Adjustmen Existing Conditions (Apr 2021) Approved Project Trips San Jos Appro Approved Project Trips San Jos Appro Total Approved Background Conditions Bkgrd Project Trips Project Project Proje	et) se ATI oved 2 oved 3 ( <i>Trips</i> check t Trips 2 Credits t <i>Trips</i>	Zanker AM 10/12/1 479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 6 0 SF Dat: rth Appro TH 306 14 320 106 0 106 426 426 7 0 0 7 433	a Cente	& SR 23 r - Eas RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 EB R 5t Appro TH 0 0 0 0 0 0 0 0 0 0 0 0 0	Movem           Dach           LT           0	Sould           Sould           RT           391           18           409           15           0           15           424           0           0           0           0           0           0           0           0           0	SJ Grov th Appr TH 747 34 781 123 0 123 904 904 8 0 0 8 0 8 0 0 8	wth Fac pach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of Ar tor (% Per <u>Number of</u>	nalysis: Year): Years: St Appro TH 2 0 2 0 0 0 0 2 2 0 0 0 0 0 0 0 0 0 0	04/27. 0.01 4.50 Dach LT 30 1 31 1 0 1 32 32 3 0 0 3 35 27	221 Total 2045 92 2137 342 0 342 2479 27 0 0 27 2506
Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Oct 2016) 1% Annual Growth (SJ Count Adjustmen Existing Conditions (Apr 2021) Approved Project Trips San Jos Appro Approved Project Trips San Jos Appro Total Approved Background Conditions Bkgrd - Project Trips Project Trips	et) se ATI oved 2 oved 3 ' <i>Trips</i> check t Trips 2 Credits t <i>Trips</i>	Zanker AM 10/12/1 479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 6 D SF Dat: rth Appro TH 306 14 320 106 0 106 426 426 426 7 0 7 433 433	a Cente	& SR 23 r - Eas RT - 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 EB R st Appro TH 0 0 0 0 0 0 0 0 0 0 0 0 0	Movem           Dach           LT           0	Sould           Sould           RT           391           18           409           15           0           15           424           0           0           0           0           0           0           0           0           0           0           0           0           0           0	SJ Grov th Appr TH 747 34 781 123 0 123 904 904 8 0 8 0 8 912 912	wth Fac pach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of Ar tor (% Per <u>Number of</u> <u>RT</u> 511 23 534 78 0 78 612 612 0 0 0 0 0 0 0 0 0 0 0 0 0	nalysis: Year): Years: St Appro TH 2 0 0 2 0 0 0 0 0 0 0 0 0 0 0 2 2 0	04/27. 0.01 4.50 Dach LT 30 1 31 1 0 1 32 32 3 0 0 3 35 35	21 Total 2045 92 2137 342 0 342 2479 27 0 27 2506

Intersection Number:	3												
	3030 Zankar	Deed		۰ cD JJ-		Domno							
Deek Hour		Roau		α 3π 23	VVDI	Kamps						04/07	/04
Peak Hour:	AIVI 10/12/1	c								Date of An	alysis:	04/27	/21
Count Date:	10/12/1	0 1 SE Date	a Conto	r									
	479,000	J SF Dala	a Cente	1				SIGrov	wth Eact	tor (% Per	Vear).	0.01	1
							`	55 6100	Nulli aci	lumber of	Years:	4.50	)
						Movem	ents						_
Scenario:	RT No	rth Appro TH	LT	– <u>Eas</u> RT	TH	oach LT	RT	h Appro	LT	RT	t Appr TH	oach LT	Total
Existing Count (Oct 2016)	0	88	29	78	0	286	674	104	0	0	0	0	1259
1% Annual Growth (SJ Count Adjustment)	0	4	1	4	0	13	30	5	0	0	0	0	57
Existing Conditions (Apr 2021)	0	92	30	82	0	299	704	109	0	0	0	0	1316
Approved Project Trips													
San Jose AT	0	26	0	82	0	94	q	50	0	0	0	0	261
Approved	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved 3	3 0	0	0	0	0	0	0	0	0	0	0	0	0
Total Approved Trips	0	26	0	82	0	94	9	50	0	0	0	0	261
Background Conditions	0	118	30	164	0	393	713	159	0	0	0	0	1577
Bkgra check	ς Ο	118	30	164	0	393	713	159	0	0	0	0	
Project Trips													
Project Trips	s 0	16	3	11	0	0	0	11	0	0	0	0	41
Project Trips 2	2 0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Trip Credits	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Project Trips	0	16	3	11	0	0	0	11	0	0	0	0	41
Background + Project Conditions	0	134	33	175	0	393	713	170	0	0	0	0	1618
Bkgrd+Proj check	( 0	134	33	175	0	393	713	170	0	0	0	0	
Iraffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date:	4000 Zanker <b>AM</b> 	Road		& Nortec	n Park	way			I	Date of Ar	alysis:	04/27	/21
Scenario:	479,00	) SF Data	a Cente	r									
							:	SJ Grov	vth Fact	tor (% Per Jumber of	Year): Years:	0.01	•
						Movem	ents				rears.	4.74	
	No	rth Appro	ach	Eas	Appro	oach	Sout	h Appro	bach	Wes	st Appr	oach	-
Scenario:	RT	TH	LT	RT	ŤĤ	LT	RT	TH	LT	RT	TH	LT	Total
Existing Count (NA)	0	122	0	0	0	0	0	191	0	0	0	0	313
1% Annual Growth (SJ Count Adjustment)	0	3	0	0	0	0	0	5	0	0	0	0	8
	0	120	0	0	0	0	0	190	0	0	0	0	321
Approved Project Trips													
San Jose AT	I 0	26	0	0	0	0	0	132	0	0	0	0	158
San Jose AT Approved 2	<b>I O</b>	<b>26</b> 0	<b>0</b> 0	<b>0</b> 0	<b>0</b> 0	<b>0</b> 0	<b>0</b> 0	132 0	<b>0</b> 0	<b>0</b> 0	<b>0</b> 0	<b>0</b> 0	158 0
San Jose AT Approved 2 Approved 2 Approved 3	<b>I O</b> 2 O 3 O	<b>26</b> 0 0	<b>0</b> 0	<b>0</b> 0	<b>0</b> 0	<b>0</b> 0	<b>0</b> 0	132 0 0	<b>0</b> 0	<b>0</b> 0	<b>0</b> 0	<b>0</b> 0	158 0 0
San Jose AT Approved 2 Approved 3 Total Approved Trips		26 0 26	0 0 0	0 0 0	0 0 0 0	0 0 0	0 0 0 0	132 0 0 132	0 0 0	0 0 0	0 0 0	0 0 0	158 0 0 158
San Jose AT Approved 2 Approved 3 Total Approved Trips Background Conditions		26 0 26	0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0	132 0 0 132 328	0 0 0	0 0 0	0 0 0	0 0 0	158 0 0 158 479
San Jose AT Approved 2 Approved 3 Total Approved Trips Background Conditions Bkgrd check	I 0 2 0 3 0 0 0 0 0 0 0 0 0	26 0 26 151 151	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	132 0 132 328 328	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	158 0 0 158 479
San Jose AT Approved 2 Approved 3 Total Approved Trips Background Conditions Bkgrd check	I 0 2 0 3 0 0 0 0	26 0 26 151 151	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	132 0 132 328 328	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	158 0 0 158 479
San Jose AT Approved 2 Approved 2 Total Approved Trips Background Conditions Bkgrd check	I 0 2 0 3 0 7 0 0 4 0	26 0 26 151 151	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	132 0 0 132 328 328	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	158 0 158 479
San Jose AT Approved 2 Approved 3 Total Approved Trips Background Conditions Bkgrd check Project Trips		26 0 26 151 151		0 0 0 0 0	0 0 0 0 0	0 0 0 0 19	0 0 0 0 0 22	132 0 132 328 328 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	158 0 158 479 41
San Jose AT Approved 2 Approved 2 Total Approved Trips Background Conditions Bkgrd check Project Trips Project Trips		26 0 26 151 151 0 0	0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 22 0	132 0 132 328 328 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	158 0 158 479 41 0
San Jose AT Approved 2 Approved 2 Total Approved Trips Background Conditions Bkgrd check Project Trips Project Trips Existing Trip Credits Total Project Trips		26 0 26 151 151 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 19 0 0	0 0 0 0 22 0 0 22	132 0 132 328 328 0 0 0	0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	158 0 158 479 41 0 0 41
San Jose AT Approved 2 Approved 2 Total Approved 7 Background Conditions Bkgrd check Project Trips Project Trips Project Trips Existing Trip Credits Total Project Trips		26 0 26 151 151 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 19 0 19	0 0 0 0 22 0 22	132 0 132 328 328 0 0 0 0	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	158 0 158 479 41 0 41
San Jose AT Approved 2 Approved 2 Total Approved 7 Background Conditions Bkgrd check Project Trips Project Trips Project Trips Existing Trip Credits Total Project Trips Background + Project Conditions		26 0 26 151 151 0 0 0 0				0 0 0 0 0 0 19 0 0 19 19	0 0 0 0 22 22 22 22	132 0 132 328 328 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0		0 0 0 0 0 0 0 0 0 0		158 0 158 479 41 0 0 41 520

Intersection Number:		1													
I ramix Node Number:		3821 Zonkor	Pood		8 Tooma	n Drive									
Doak Hour			Ruau		α ιαδιιά		5			r	Date of An	alveie.	04/27	/21	
Count Date:		03/06/1	8							L	2 3.0 017 maryold. 07/21/21				
Scenario		479 00	0 0 SF Data	a Center											
		410,000							S.J Grov	wth Fact	or (% Per	Year) <sup>.</sup>	0.01		
										N	lumber of	Years:	3.08		
							Movem	ents						_	
Scenario:		RT	rtn Appro TH	LT	- Eas	TH	LT	RT	n Appr TH	LT	RT	TH	LT	Total	
Existing Count (Mar 2018	)	41	416	160	286	399	276	235	660	243	109	798	131	3754	
Fristing Conditions (Apr 2		12	/20	165	205	/12	285	2/2	680	250	112	20	4	3870	
	2021)	42	423	105	295	411	200	242	000	230	112	025	100	3070	
Approved Project Trips															
	San Jose ATI	7	75	93	46	109	26	29	127	40	21	167	13	753	
	Approved 2	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Approved 3	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Total Approved Trips	7	75	93	46	109	26	29	127	40	21	167	13	753	
Background Conditions		49	504	258	341	520	311	271	807	290	133	990	148	4623	
	Bkgrd check	49	504	258	341	520	311	271	807	290	133	990	148		
Project Trips															
	Project Trips	2	5	1	0	0	0	0	2	0	0	0	1	11	
	Project Trips 2	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Existing Trip Credits	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Total Project Trips	2	5	1	0	0	0	0	2	0	0	0	1	11	
Background + Proiect Cor	nditions	51	509	259	341	520	311	271	809	290	133	990	149	4634	
	Bkgrd+Proj check	51	510	259	341	520	311	271	809	290	133	990	149		
Intersection Number:		2													
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date:		2 3031 Zanker <b>PM</b> 11/01/1	Road 8		& SR 23	7 EB R	amps			[	Date of An	alysis:	04/27/	/21	
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario:		2 3031 Zanker <b>PM</b> 11/01/1 479,000	Road 8 0 SF Data	a Center	& SR 23	7 EB R	amps			[	Date of An	alysis:	04/27/	/21	
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario:		2 3031 Zanker <b>PM</b> 11/01/1 479,000	Road 8 0 SF Data	a Center	& SR 23	7 EB R	amps		SJ Grov	[ wth Fact N	Date of An	alysis: Year): Years:	04/27/ 0.01 2.42	/21	
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario:		2 3031 Zanker <b>PM</b> 11/01/1 479,000	Road 8 0 SF Data	a Center	& SR 23	7 EB R	amps	ents	SJ Grov	[ wth Fact N	Date of An or (% Per lumber of	alysis: Year): Years:	04/27/ 0.01 2.42	/21	
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario:		2 3031 Zanker <b>PM</b> 11/01/1 479,000	Road 8 0 SF Data	a Center	& SR 23 Eas	7 EB R	amps <u>Movem</u> pach	ents Sout	SJ Grov	[ wth Fact N oach	Date of An or (% Per lumber of Wes	Year): Years: st Appro	04/27/ 0.01 2.42	/21	
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario: Scenario:		2 3031 Zanker <b>PM</b> 11/01/1 479,000	Road 8 0 SF Dat	a Center	& SR 23 Eas RT	7 EB R	Movem pach	ents Sout RT	SJ Grov h Appr TH	(wth Fact N pach	Date of An or (% Per lumber of Wes 	Year): Years: st Appro TH	04/27/ 0.01 2.42 Dach LT	/21	
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario: Scenario:		2 3031 Zanker <b>PM</b> 11/01/1 479,000	Road 8 0 SF Data rth Appro	a Center	& SR 23	7 EB R t Appro TH	amps Movem pach LT	ents Sout RT	BJ Grov	th Fact N oach LT	Date of An or (% Per lumber of 	Year): Years: Years: the Approximation	04/27/ 0.01 2.42 Dach LT	/21	
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario: Scenario: Scenario:	i)	2 3031 Zanker <b>PM</b> 11/01/1 479,000 <u>No</u> RT 0	Road 8 0 SF Data rth Appro TH 722	a Center pach LT 278	& SR 23 Eas 0 0	7 EB R t Appro TH 0	Movem pach LT 0	ents Sout RT 931	5J Grov h Appr TH 494	wth Fact N oach LT	Date of An or (% Per lumber of Wes RT 121	Year): Years: tt Appro TH	04/27/ 0.01 2.42 Dach LT	/21 - - - - - - - - - - - - - - - - - - -	
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario: Scenario: Scenario: Existing Count (Nov 2018 1% Annual Growth (SJ Co	) ount Adjustment)	2 3031 Zanker <b>PM</b> 11/01/1 479,000 <u>No</u> RT 0 0	Road 8 0 SF Data 0 SF Data TH 722 730	a Center pach LT 278 7 285	& SR 23 Eas 0 0	7 EB R t Appro TH 0 0	Movem pach LT 0 0	ents Sout RT 931 22 053	5J Grov h Appr TH 494 12 506	wth Fact N Dach LT 0 0	Date of An or (% Per lumber of Wes RT 121 3 124	alysis: Year): Years: tt Appro TH 3 0	04/27/ 0.01 2.42 Dach LT 4 0	/21 - - - - - - - - - - - - - - - - - - -	
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario: Scenario: Existing Count (Nov 2018 1% Annual Growth (SJ Co Existing Conditions (Apr 2	ount Adjustment) 2021)	2 3031 Zanker <b>PM</b> 11/01/1 479,000 0 RT 0 0 0 0	Road 8 0 SF Data 0 SF Data 17 722 17 739	a Center pach LT 278 7 285	& SR 23 - Eas - RT - 0 - 0 - 0 - 0	7 EB R t Appro TH 0 0 0	Movem pach LT 0 0 0	ents Sout RT 931 22 953	6J Grov h Appr TH 494 12 506	wth Fact N Dach LT 0 0 0	Date of An or (% Per lumber of Wes RT 121 3 124	Year): Years: t Appro TH 3 0 3	04/27/ 0.01 2.42 Dach LT 4 0 4	/21 	
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario: Scenario: Existing Count (Nov 2018 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips	i) ount Adjustment) 2021)	2 3031 Zanker PM 11/01/1 479,000 RT 0 0 0	Road 8 0 SF Data 0 SF Data 17 722 17 739	a Center pach LT 278 7 285	& SR 23 Eas 0 0 0	7 EB R	Movem pach LT 0 0 0	ents Sout RT 931 22 953	6J Grov h Appr TH 494 12 506	wth Fact N bach LT 0 0 0	Date of An or (% Per lumber of RT 121 3 124	Year): Years: Years: t Appro TH 3 0 3	04/27/ 0.01 2.42 Dach LT 4 0 4	/21 	
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario: Scenario: Existing Count (Nov 2018 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips	i) ount Adjustment) 2021) San Jose ATI	2 3031 Zanker PM 11/01/1 479,000 RT 0 0 0 0 0	Road 8 0 SF Data 0 SF Data 17 722 17 739 118	a Center pach LT 278 7 285 102	& SR 23 Eas 0 0 0 0	7 EB R t Appro TH 0 0 0	Movem pach LT 0 0 0	ents Sout RT 931 22 953 56	6J Grov h Appr TH 494 12 506 105	wth Fact N Dach LT 0 0 0	Date of An or (% Per lumber of Wes RT 121 3 124 23	Year): Years: Years: t Appro TH 3 0 3	04/27/ 0.01 2.42 Dach LT 4 0 4 0	/21 	
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario: Scenario: Existing Count (Nov 2018 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips	i) ount Adjustment) 2021) San Jose ATI Approved 2	2 3031 Zanker PM 11/01/1 479,000 RT 0 0 0 0 0 0	Road 8 0 SF Data 0 SF Data 0 SF Data 17 722 17 739 118 0	a Center pach LT 278 7 285 102 0	& SR 23 Eas 0 0 0 0 0 0	7 EB R t Appro TH 0 0 0	Movem pach LT 0 0 0 0	ents Sout RT 931 22 953 56 0	6J Grov h Appr TH 494 12 506 105 0	vth Fact N Dach LT 0 0 0 0	Date of An or (% Per lumber of Wes RT 121 3 124 23 0	Year): Years: Years: TH 3 0 3 5 0	04/27/ 0.01 2.42 Dach LT 4 0 4	/21 	
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario: Scenario: Existing Count (Nov 2018 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips	e) pount Adjustment) 2021) San Jose ATI Approved 2 Approved 3	2 3031 Zanker PM 11/01/1 479,000 RT 0 0 0 0 0 0 0 0 0	Road 8 0 SF Data 0 SF Data 0 SF Data 17 722 17 739 118 0 0	a Center pach LT 278 7 285 102 0 0	& SR 23	7 EB R t Appro TH 0 0 0 0 0 0	Movem pach LT 0 0 0 0	ents Sout RT 931 22 953 56 0 0	6J Grov h Appr TH 494 12 506 105 0 0	wth Fact N bach LT 0 0 0 0	Date of An or (% Per lumber of RT 121 3 124 23 0 0	Year): Years: Years: Appro TH 3 0 3	04/27/ 0.01 2.42 Dach LT 4 0 4	/21 	
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario: Scenario: Existing Count (Nov 2018 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips	a) ount Adjustment) 2021) San Jose ATI Approved 2 Approved 3 Total Approved Trips	2 3031 Zanker PM 11/01/1 479,000 RT 0 0 0 0 0 0 0 0 0 0 0	Road 8 0 SF Data rth Appro TH 722 17 739 118 0 0 118	a Center pach LT 278 7 285 102 0 102	& SR 23	7 EB R t Appro TH 0 0 0 0 0	Movem pach LT 0 0 0 0 0 0	ents Sout RT 931 22 953 56 0 0 56	6J Grov h Appr TH 494 12 506 105 0 105	wth Fact N Dach LT 0 0 0 0 0 0	Date of An or (% Per lumber of <u>Wes</u> <u>RT</u> 121 3 124 23 0 0 23	Year): Years: Years: t Appro TH 3 0 3 5 0 5 5	04/27/ 0.01 2.42 0ach LT 4 0 4 0 0 0 0	/21 	
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Nov 2018 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips Background Conditions	) ount Adjustment) 2021) San Jose ATI Approved 2 Approved 3 Total Approved Trips	2 3031 Zanker <b>PM</b> 11/01/1 479,000 0 RT 0 0 0 0 0 0 0 0 0 0 0 0	Road 8 0 SF Dat: 0 SF Dat: 17 722 17 739 118 0 0 118 857	a Center Dach LT 278 7 285 102 0 102 387	& SR 23	7 EB R t Appro TH 0 0 0 0 0 0	Amps Movem Dach LT 0 0 0 0 0 0 0 0	ents Sout RT 931 22 953 56 0 0 56 1009	5J Grov h Appr TH 494 12 506 105 0 105 611	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of An or (% Per lumber of RT 121 3 124 23 0 0 23 147	Alysis: Year): Years: Years: TH 3 0 3 5 0 5 5 8	04/27/ 0.01 2.42 0ach LT 4 0 4 0 0 0 0 0	/21 	
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Nov 2018 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips Background Conditions	a) pount Adjustment) 2021) San Jose ATI Approved 2 Approved 3 Total Approved Trips Bkgrd check	2 3031 Zanker PM 11/01/1 479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 8 0 SF Data 0 SF Data 17 722 17 739 118 0 0 118 857 857	a Center Dach LT 278 7 285 102 0 102 387 387	& SR 23	7 EB R t Appro TH 0 0 0 0 0 0 0 0	Movem           bach           LT           0	ents Sout RT 931 22 953 56 0 0 56 1009 1009	SJ Grov h Appr TH 494 12 506 105 0 105 611 611	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of An or (% Per lumber of <u>Wes</u> <u>RT</u> 121 3 124 23 0 0 23 147 147	Year): Years: Years: TH 3 0 3 5 0 5 5 8 8 8	04/27/ 0.01 2.42 Dach LT 4 0 4 0 0 0 0 0 0 0	/21 	
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Nov 2018 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips Background Conditions	e) pount Adjustment) 2021) San Jose ATI Approved 2 Approved 3 Total Approved Trips Bkgrd check	2 3031 Zanker PM 11/01/1 479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 8 0 SF Data 0 SF Data 0 SF Data 17 722 17 739 118 0 0 118 857 857	a Center pach LT 278 7 285 102 0 102 387 387	& SR 23 Eas 0	7 EB R t Appro TH 0 0 0 0 0 0 0 0 0 0 0 0 0	amps <u>Movem</u> <u>vach</u> <u>LT</u> 0 0 0 0 0 0 0 0 0 0 0 0 0	ents Sout RT 931 22 953 56 0 56 0 56 1009 1009	6J Grov h Appr TH 494 12 506 105 0 105 611 611	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of An or (% Per lumber of RT 121 3 124 23 0 0 23 147 147	Year): Years: Years: X Appro TH 3 0 3 3 5 0 5 5 8 8 8	04/27/ 0.01 2.42 Dach LT 4 0 4 4 0 0 0 0 0 0 1 4 4	/21 	
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Nov 2018 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips Background Conditions	b) pount Adjustment) 2021) San Jose ATI Approved 2 Approved 3 Total Approved Trips Bkgrd check Project Trips	2 3031 Zanker PM 11/01/1 479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 8 0 SF Data 0 SF Data 0 SF Data 17 722 17 739 118 0 0 118 857 857 857	a Center pach LT 278 7 285 102 0 102 387 387 387	& SR 23	7 EB R t Appro TH 0 0 0 0 0 0 0 0 0 0 0 0 0	amps <u>Movem</u> <u>vach</u> <u>LT</u> 0 0 0 0 0 0 0 0 0 0 0 0 0	ents Sout RT 931 22 953 56 0 56 0 56 1009 1009 0	6J Grov h Appr TH 494 12 506 105 0 105 611 611 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of An or (% Per lumber of RT 121 3 124 23 0 0 23 147 147 147	Year):           Years:           Years:           St Approx           TH           3           0           3           5           0           5           0           5           0           5           0           5           0           5           0           5           0           5           0           5           0           5           0           5           0           0           5           0           0           0           0           0           0           0	04/27/ 0.01 2.42 Dach LT 4 0 4 4 0 0 0 0 0 4 4 4 2	/21 	
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Nov 2018 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips Background Conditions	i) ount Adjustment) 2021) San Jose ATI Approved 2 Approved 3 Total Approved Trips Bkgrd check Project Trips 2	2 3031 Zanker PM 11/01/1 479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 8 0 SF Data 0 SF Data 0 SF Data 11 722 17 739 118 0 0 118 857 857 8 0	a Center Dach LT 278 7 285 102 0 102 387 387 12 0	& SR 23	7 EB R t Appro TH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	amps <u>Movem</u> <u>bach</u> <u>LT</u> 0 0 0 0 0 0 0 0 0 0 0 0 0	ents Sout RT 931 22 953 56 0 56 1009 1009 1009 0 0	SJ Grov h Appr TH 494 12 506 105 0 105 611 611 3 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of An or (% Per lumber of Wes RT 121 3 124 23 0 0 23 147 147 147 0 0	Year):           Years:           Xears:           Xe	04/27/ 0.01 2.42 Dach LT 4 0 4 0 0 0 0 0 4 4 2 0	/21 	
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Nov 2018 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips Background Conditions Project Trips	e) pount Adjustment) 2021) San Jose ATI Approved 2 Approved 3 Total Approved Trips Bkgrd check Project Trips 2 Existing Trip Credits	2 3031 Zanker PM 11/01/1 479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 8 0 SF Data 0 SF Data 0 SF Data 17 722 17 739 118 0 0 118 857 857 857	a Center pach LT 278 7 285 102 0 102 387 387 12 0 0	& SR 23	7 EB R t Appro TH 0 0 0 0 0 0 0 0 0 0 0 0 0	amps <u>Movem</u> <u>vach</u> <u>LT</u> 0 0 0 0 0 0 0 0 0 0 0 0 0	ents Sout RT 931 22 953 56 0 56 1009 1009 1009 0 0 0	6J Grov h Appr TH 494 12 506 105 0 105 611 611 611 3 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of An or (% Per lumber of RT 121 3 124 23 0 0 23 147 147 147 0 0 0	Year):           Years:           Xears:           Xe	04/27/ 0.01 2.42 Dach LT 4 0 4 0 0 0 0 4 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0	/21 	
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Nov 2018 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips Background Conditions Project Trips	a) b) b) c) c) c) c) c) c) c) c) c) c	2 3031 Zanker PM 11/01/1 479,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 8 0 SF Data 10 SF Data 11 722 17 739 118 0 118 857 857 8 0 0 8 0 8	a Center pach LT 278 7 285 102 0 102 387 387 12 0 0 12	& SR 23	7 EB R	amps Movem pach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	ents Sout RT 931 22 953 56 0 0 56 1009 1009 1009 0 0 0 0 0 0	SJ Grov h Appr TH 494 12 506 105 611 611 611 3 0 0 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of An or (% Per lumber of Wes RT 121 3 124 23 0 0 23 23 147 147 147 0 0 0 0 0	Year):           Year):           Years:           Image: stress of the second seco	04/27/ 0.01 2.42 Dach LT 4 0 0 0 0 0 4 4 2 0 0 2	/21 	
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Nov 2018 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips Background Conditions Project Trips	e) pount Adjustment) 2021) San Jose ATI Approved 2 Approved 3 Total Approved Trips Bkgrd check Project Trips 2 Existing Trip Credits Total Project Trips 2	2 3031 Zanker PM 11/01/1 479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 8 0 SF Dat: 0 SF Dat: 111 722 17 739 118 0 0 118 857 857 8 0 0 8 8 0 0 8 8 8 0	a Center Dach LT 278 7 285 102 0 102 387 387 12 0 12 399	& SR 23	7 EB R t Appro TH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	amps Movem pach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	ents Sout RT 931 22 953 56 0 0 56 1009 1009 0 0 0 0 0 0 0 0 0 0	5J Grov h Appr TH 494 12 506 105 611 611 611 3 0 0 3 614	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of An or (% Per lumber of Wes RT 121 3 124 23 0 23 23 147 147 147 0 0 0 0 0 0 0 0	alysis: Year): Years: TH 3 0 3 5 0 5 5 8 8 8 0 0 5 8 8 8 0 0 0 5 8 8 8 8	04/27) 0.01 2.42 Dach LT 4 0 4 0 0 0 0 0 4 4 2 0 0 2 6	/21 	
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (Nov 2018 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips Background Conditions Project Trips Background + Project Con	e) pount Adjustment) 2021) San Jose ATI Approved 2 Approved 3 Total Approved Trips Bkgrd check Project Trips 2 Existing Trip Credits Total Project Trips Project Trips 2 Existing Trip Credits Total Project Trips Bkgrd+Proj check	2 3031 Zanker PM 11/01/1 479,000 0 0 0 0 0 0 0 0 0 0 0 0	Road 8 0 SF Dat: 0 SF Dat: 111 722 17 739 118 0 0 118 857 857 8 0 0 8 8 0 0 8 8 8 8 8 8 8 8 8 8 8 8 8	a Center pach LT 278 7 285 102 0 102 387 387 12 0 12 399 399	& SR 23Eas000	7 EB R t Appro TH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	amps Movem pach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	ents Sout RT 931 22 953 56 0 0 56 1009 1009 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SJ Grov h Appr TH 494 12 506 105 611 611 611 3 0 0 3 614 615	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of An or (% Per lumber of RT 121 3 124 23 0 0 23 147 147 0 0 0 0 0 0 0 0 0 0	alysis: Year): Years: Years: TH 3 0 3 5 0 5 5 8 8 8 8 0 0 0 5 8 8 8 8 8 8 8 8	04/27) 0.01 2.42 Dach LT 4 0 4 0 0 0 0 0 0 0 4 4 2 0 0 2 6 6 6	/21 	

Intersection Number:		3												
Traffix Node Number:		3030					_							
Intersection Name:		Zanker	Road		& SR 237	7 WB F	Ramps							
Peak Hour:		PM	_								Date of An	alysis:	04/27/	/21
Count Date:		11/01/1	8	<b>•</b> •										
Scenario:		479,000	0 SF Data	a Cente	r						- (0/ B	<u></u>		
									SJ Grov	vtn⊢ac N	tor (% Per Number of	Year): Years:	0.01	
							Movem	ents						
Saanaria		No	rth Appro	ach	Eas	t Appro	bach	Sout	h Appro	bach	Wes	st Appro	bach	Tatal
		КI		LI	RI		LI	RI		LI	RI		LI	Total
Existing Count (Nov 2018	)	0	358	15	106	0	652	464	38	0	0	0	0	1633
1% Annual Growth (SJ Co	ount Adjustment)	0	9	0	3	0	16	11	1	0	0	0	0	39
Existing Conditions (Apr 2	2021)	0	367	15	109	0	668	475	39	0	0	0	0	1672
Approved Project Trips														
Approved Project Trips	San Jose ATI	0	118	0	24	0	84	36	8	0	0	0	0	270
	Approved 2	0	0	0	0	0	0	0	0	0	0	0	0	0
	Approved 3	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Approved Trips	0	118	0	24	0	84	36	8	0	0	0	0	270
Pookground Conditions		0	105	15	100	0	750	E11	17	0	0	0	0	10.40
Backyround Conditions	Bkgrd check	0	485	15	133	0	752	511	47	0	0	0	0	1942
	~													
Project Trips	Ducie et Trine	0	20	4	F	0	0	0	-	0	0	0	0	24
	Project Trips	0	20	4	c o	0	0	0	5	0	0	0	0	34
	Evisting Trip Credits	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Project Trips	0	20	4	5	0	0	0	5	0	0	0	0	34
Background + Project Cor	nditions	0	505	19	138	0	752	511	52	0	0	0	0	1976
	Бкуга+Ртој спеск	0	505	19	130	0	152	511	52	U	U	U	U	
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date:		4 4000 Zanker <b>PM</b>	Road		& Nortec	h Park	way				Date of Ar	alysis:	04/27/	/21
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario:		4 4000 Zanker <b>PM</b>  479,000	Road 0 SF Data	a Cente	& Nortect	h Park	way				Date of Ar	alysis:	04/27/	/21
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario:		4 4000 Zanker <b>PM</b>  479,000	Road 0 SF Data	a Cente	& Norteci	h Park	way		SJ Grov	vth Fac	Date of Ar	alysis: Year):	04/27/	/21
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario:		4 4000 Zanker <b>PM</b>  479,000	Road 0 SF Data	a Cente	& Nortect	h Park	way	onto	SJ Grov	vth Fac	Date of Ar tor (% Per Number of	alysis: Year): Years:	04/27/ 0.01 2.17	/21
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario:		4 4000 Zanker <b>PM</b>  479,000	Road 0 SF Data	a Cente	& Nortect	h Park	Movem	ents Sout	SJ Grov	vth Fac	Date of Ar tor (% Per Number of	Year): Years:	04/27/ 0.01 2.17	/21
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario: Scenario:		4 4000 Zanker <b>PM</b>  479,000	Road 0 SF Data rth Appro TH	a Cente ach LT	& Nortect	h Park	Movem pach LT	ents Sout RT	SJ Grov	vth Fac	Date of Ar tor (% Per Number of Wes RT	Year): Years: t Appro TH	04/27/ 0.01 2.17 Dach LT	/21 - - Total
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario: Scenario:		4000 Zanker PM  479,000	Road 0 SF Data rth Appro TH	a Cente ach LT	& Nortecl r Eas RT	h Park t Appro	Movem Dach LT	ents Sout RT	SJ Grov th Appro- TH	vth Fac N Dach LT	Date of An tor (% Per Number of Wes RT	Year): Years: st Appro TH	04/27/ 0.01 2.17 Dach LT	/21 - - - <u>Total</u>
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario: Scenario:		4 4000 Zanker <b>PM</b>  479,000 RT	Road 0 SF Data rth Appro TH 382	a Cente ach LT 0	& Nortect r Eas RT 0	h Park t Appro TH 0	Movem pach LT	ents Sout RT 0	SJ Grov h Appro TH 148	vth Fac N Dach LT	Date of An tor (% Per Number of Wes RT 0	Year): Years: Years: at Appro TH 0	04/27/ 0.01 2.17 Dach LT 0	/21 - - - 530
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario: Scenario: Existing Count (NA) 1% Annual Growth (SJ Co	ount Adjustment)	4000 Zanker PM  479,000 No RT 0 0	Road 0 SF Data rth Appro TH 382 8 200	a Cente ach LT 0 0	& Nortect r Eas RT 0 0	h Park t Appro TH 0 0	Movem pach LT 0 0	ents Sout RT 0 0	SJ Grov th Approver TH 148 3	vth Fac N Dach LT 0 0	Date of Ar tor (% Per Number of RT 0 0	Year): Years: St Appro TH 0 0	04/27/ 0.01 2.17 Dach LT 0 0	/21 
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario: Scenario: Existing Count (NA) 1% Annual Growth (SJ Co Existing Conditions (Apr 2)	punt Adjustment) 2021)	4 4000 Zanker <b>PM</b>  479,000  479,000  8  - - - - - - - - - - - - - -	Road 0 SF Data rth Appro TH 382 8 390	a Cente ach LT 0 0 0	& Nortect r Eas 0 0 0	h Park t Appro TH 0 0 0	Movem Dach LT 0 0 0	ents Sout RT 0 0 0	SJ Grov th Appro TH 148 3 151	vth Fac pach LT 0 0 0	Date of An tor (% Per Number of RT 0 0 0	Year): Years: Years: at Appro TH 0 0 0	04/27/ 0.01 2.17 Dach LT 0 0 0	/21 - - - - - - - - - - - - - - - - - - -
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (NA) 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips	ount Adjustment)	4 4000 Zanker <b>PM</b>  479,000 RT 0 0 0	Road 0 SF Data rth Appro TH 382 8 390	a Cente ach LT 0 0	& Nortect	h Park t Appro TH 0 0 0	Movem Dach LT 0 0 0	ents Sout RT 0 0 0	SJ Grov th Appro TH 148 3 151	vth Fac N Dach LT 0 0 0	Date of Ar tor (% Per Number of RT 0 0 0	Year): Years: Years: TH 0 0 0	04/27/ 0.01 2.17 Dach LT 0 0 0	/21 - - - - - - - - - - - - - - - - - - -
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (NA) 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips	punt Adjustment) 2021) San Jose ATI	4 4000 Zanker <b>PM</b>  479,000 RT 0 0 0 0	Road 0 SF Data rth Appro TH 382 8 390 118	a Cente ach LT 0 0 0	& Nortect r Eas RT 0 0 0 0 0	h Park	Movem Dach LT 0 0 0	ents Sout RT 0 0 0	5J Grov th Appro TH 148 3 151 32	vth Fac Pach LT 0 0 0 0	Date of Ar tor (% Per Number of RT 0 0 0 0	Year): Years: Years: TH 0 0 0	04/27/ 0.01 2.17 Dach LT 0 0 0	/21 - - - - - - - - - - - - - - - - - - -
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (NA) 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips	ount Adjustment) 2021) San Jose ATI Approved 2	4 4000 Zanker <b>PM</b>  479,000 RT 0 0 0 0 0	Road 0 SF Data otherwise rth Appro TH 382 8 390 118 0	a Cente ach LT 0 0 0	& Nortect r Eas RT 0 0 0 0 0 0 0 0 0 0 0 0 0	h Park	Way Movem Dach LT 0 0 0 0	ents Sout RT 0 0 0 0	5J Grov th Appro TH 148 3 151 32 0	vth Fac pach LT 0 0 0 0 0	Date of Ar tor (% Per <u>Number of</u> <u>RT</u> 0 0 0 0 0	Year): Years: Years: at Appro TH 0 0 0 0	04/27/ 0.01 2.17 Dach LT 0 0 0 0	/21 
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (NA) 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips	Dunt Adjustment) 2021) San Jose ATI Approved 2 Approved 3	4 4000 Zanker PM  479,000 RT 0 0 0 0 0 0 0	Road 0 SF Data oth Appro TH 382 8 390 118 0 0 118	a Cente ach LT 0 0 0	& Nortect  r  Eas  RT  0  0  0  0  0  0  0  0  0  0  0  0  0	h Park	Movem Dach LT 0 0 0 0	ents Sout RT 0 0 0 0	5J Grov th Approv TH 148 3 151 32 0 0	vth Fac pach LT 0 0 0 0 0 0	Date of Ar tor (% Per Number of RT 0 0 0 0 0	Year): Years: Years: t Appro TH 0 0 0 0	04/27/ 0.01 2.17 Dach LT 0 0 0 0	/21 
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (NA) 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips	Dunt Adjustment) 2021) San Jose ATI Approved 2 Approved 3 Total Approved Trips	4 4000 Zanker PM  479,000 No RT 0 0 0 0 0 0 0 0 0 0 0 0	Road 0 SF Data 0 SF Data 118 0 118 0 118	a Cente ach LT 0 0 0 0 0 0	& Nortect r Eas 0 0 0 0 0 0 0 0 0	t Approvement of the second se	Movem Dach LT 0 0 0 0 0 0	ents Sout RT 0 0 0 0 0 0 0	5J Grov TH 148 3 151 32 0 32	vth Fac bach LT 0 0 0 0	Date of Ar tor (% Per Number of Wes RT 0 0 0 0 0 0 0 0 0 0 0 0 0	Year): Years: Years: St Appro TH 0 0 0 0 0 0 0	04/27/ 0.01 2.17 0 0 0 0 0 0 0 0 0	/21 
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario: Scenario: Existing Count (NA) 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips	Dunt Adjustment) 2021) San Jose ATI Approved 2 Approved 3 Total Approved Trips	4000 Zanker PM  479,000 0 RT 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 0 SF Data 0 SF Data 118 0 118 0 118 508	a Cente ach LT 0 0 0 0 0 0 0	& Nortect r Eas 0 0 0 0 0 0 0 0 0	h Park t Approver TH 0 0 0 0 0 0 0	Movem pach LT 0 0 0 0 0 0 0	ents Sout RT 0 0 0 0 0 0 0 0 0 0 0	5J Grov TH 148 3 151 32 0 32 183	vth Fac Dach LT 0 0 0 0 0 0	Date of Ar tor (% Per Number of Wes RT 0 0 0 0 0 0 0 0 0 0 0 0 0	Year): Years: Years: st Appro TH 0 0 0 0 0 0 0 0	04/27/ 0.01 2.17 0 0 0 0 0 0 0 0 0 0 0 0	/21 
Intersection Number: Traffix Node Number: Intersection Name: <b>Peak Hour:</b> Count Date: Scenario: Scenario: Existing Count (NA) 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips Background Conditions	Dunt Adjustment) 2021) San Jose ATI Approved 2 Approved 3 Total Approved Trips Bkgrd check	4000 Zanker PM  479,000 0 RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 0 SF Data 0 SF Data 118 0 0 118 508 508	a Cente ach LT 0 0 0 0 0 0 0 0 0	& Nortect r Eas 0 0 0 0 0 0 0 0 0 0 0 0	h Park t Appro TH 0 0 0 0 0 0 0 0 0	way <u>Movem</u> <u>bach</u> <u>LT</u> 0 0 0 0 0 0 0 0 0 0 0 0 0	ents Sout RT 0 0 0 0 0 0 0 0 0 0 0 0	5J Grov TH 148 3 151 32 0 0 32 183	vth Fac bach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of Ar tor (% Per <u>Number of</u> <u>Wes</u> <u>RT</u> 0 0 0 0 0 0 0 0 0 0 0 0 0	Year): Years: Years: at Appro TH 0 0 0 0 0 0 0 0 0 0	04/27/ 0.01 2.17 0 0 0 0 0 0 0 0 0 0 0 0 0	/21 
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (NA) 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips Background Conditions	Dunt Adjustment) 2021) San Jose ATI Approved 2 Approved 3 Total Approved Trips Bkgrd check	4000 Zanker PM  479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 0 SF Data 0 SF Data 0 SF Data 0 SF Data 0 SF Data 0 SF Data 118 0 0 118 0 0 118 508	a Cente ach LT 0 0 0 0 0 0 0 0	& Nortect r Eas 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	h Park t Appro TH 0 0 0 0 0 0 0 0	way Movem Dach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	ents Sout RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5J Grov th Appro TH 148 3 151 32 0 0 32 183 183	vth Fac bach LT 0 0 0 0 0 0 0 0	Date of An tor (% Per <u>Number of</u> <u>Wes</u> <u>RT</u> 0 0 0 0 0 0 0 0 0 0 0 0 0	Year): Years: Years: St Appro TH 0 0 0 0 0 0 0 0 0 0 0	04/27/ 0.01 2.17 0 0 0 0 0 0 0 0 0 0 0 0 0 0	/21 
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (NA) 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips Background Conditions	Dunt Adjustment) 2021) San Jose ATI Approved 2 Approved 3 Total Approved Trips Bkgrd check Project Trips	4000 Zanker PM  479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 0 SF Data 0 SF	a Cente ach LT 0 0 0 0 0 0 0	& Nortect rEas0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	h Park t Appro TH 0 0 0 0 0 0 0	way Movem Dach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	ents Sout RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5J Grov th Appro TH 148 3 151 32 0 0 32 183 183 0	vth Fac bach LT 0 0 0 0 0 0 0	Date of An tor (% Per Number of Wes RT 0 0 0 0 0 0 0 0 0 0 0 0 0	Year): Years: Years: St Appro TH 0 0 0 0 0 0 0 0 0 0 0 0	04/27/ 0.01 2.17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	/21 
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (NA) 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips Background Conditions	Dunt Adjustment) 2021) San Jose ATI Approved 2 Approved 3 Total Approved Trips Bkgrd check Project Trips Project Trips 2	4000 Zanker PM  479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 0 SF Data 0 SF	a Cente ach LT 0 0 0 0 0 0 0 0 0 0 0	& Nortect rEas0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	h Park t Appro TH 0 0 0 0 0 0 0 0 0 0 0 0 0	way Movem Dach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	ents Sout RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5J Grov th Appro TH 148 3 151 32 0 0 32 183 183 183	vth Fac pach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of An tor (% Per <u>Number of</u> <u>Wes</u> <u>RT</u> 0 0 0 0 0 0 0 0 0 0 0 0 0	Year):           Years:           Years:           St Appro           TH           0	04/27/ 0.01 2.17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	/21 
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (NA) 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips Background Conditions	Dunt Adjustment) 2021) San Jose ATI Approved 2 Approved 3 Total Approved Trips Bkgrd check Project Trips 2 Existing Trip Credits	4000 Zanker PM  479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 0 SF Data 0 SF	a Cente ach LT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	& Nortect r  Eas RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	h Park t Appro TH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	way Movem Dach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	ents Sout RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5J Grov th Appro TH 148 3 151 32 0 0 32 183 183 183 0 0 0 0	vth Fac Dach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of An tor (% Per <u>Number of</u> <u>Wes</u> <u>RT</u> 0 0 0 0 0 0 0 0 0 0 0 0 0	Year):           Years:           Years:           St Appro           TH           0	04/27/ 0.01 2.17 0 0 0 0 0 0 0 0 0 0 0 0 0	/21 
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (NA) 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips Background Conditions Project Trips	Dunt Adjustment) 2021) San Jose ATI Approved 2 Approved 3 Total Approved Trips Bkgrd check Project Trips 2 Existing Trip Credits Total Project Trips	4000 Zanker PM  479,000 RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 0 SF Data 0 SF Data 118 0 118 508 508 0 0 0 0 0 0	a Cente ach LT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	& Nortect r - Eas RT 0 0 0 0 0 0 0 0 0	h Park	way Movem Dach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	ents Sout RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5J Grov TH 148 3 151 32 0 0 32 183 183 183 0 0 0 0 0 0	vth Fac Dach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of Ar tor (% Per <u>Number of</u>	Year):         Years:         Years:         St Appro         TH         0           0          0          0	04/27/ 0.01 2.17 Dach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	/21 
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (NA) 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips Background Conditions Project Trips	Dunt Adjustment) 2021) San Jose ATI Approved 2 Approved 3 Total Approved Trips Bkgrd check Project Trips 2 Existing Trip Credits Total Project Trips 2 Existing Trip Credits Total Project Trips 2	4 4000 Zanker PM  479,000 0 RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Road 0 SF Data 0 SF Data 10 SF Data 118 0 118 508 508 0 0 0 0 0 0 0 0 0 0 0 0 0	a Cente ach LT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	& Nortect r Eas RT 0 0 0 0 0 0 0 0 0 0 0 0 0	h Park	way Movem Dach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	ents Sout RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5J Grov h Approv TH 148 3 151 32 0 32 183 183 0 0 0 0 183	vth Fac pach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of Ar tor (% Per <u>Number of</u> Wes <u>RT</u> 0 0 0 0 0 0 0 0 0 0 0 0 0	alysis: Year): Years: St Appro TH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	04/27/ 0.01 2.17 Dach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	/21 
Intersection Number: Traffix Node Number: Intersection Name: Peak Hour: Count Date: Scenario: Scenario: Existing Count (NA) 1% Annual Growth (SJ Co Existing Conditions (Apr 2 Approved Project Trips Background Conditions Project Trips	Dunt Adjustment) 2021) San Jose ATI Approved 2 Approved 3 Total Approved Trips Bkgrd check Project Trips 2 Existing Trip Credits Total Project Trips Project Trips 2 Existing Trip Credits Total Project Trips Bkgrd+Proj check	4 4000 Zanker PM  479,000 0 0 0 0 0 0 0 0 0 0 0 0	Road 0 SF Data 0 SF Data 10 SF Data 118 0 118 0 118 508 508 0 0 0 0 0 0 0 0 0 0 0 508 508	a Cente ach LT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	& Nortect r Eas RT 0 0 0 0 0 0 0 0 0 0 0 0 0	h Park	way Movem Dach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	ents Sout RT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5J Grov h Approvention TH 148 3 151 32 0 32 183 183 0 0 0 183 183	vth Fac pach LT 0 0 0 0 0 0 0 0 0 0 0 0 0	Date of Ar tor (% Per <u>Number of</u> Wes <u>RT</u> 0 0 0 0 0 0 0 0 0 0 0 0 0	alysis: Year): Years: St Appro TH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	04/27/ 0.01 2.17 0 0 0 0 0 0 0 0 0 0 0 0 0	/21 

# Appendix B Approved Trips Inventory (ATI)


AM PROJECT TRIPS

03/08/2021

Intersection of : WB 237 From Zanker Rp &	Zanker R	d										
Traffix Node Number : 3030												
Permit No./Proposed Land Use/Description/Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
C15-054 (3-14457) Office/Industrial 1657 ALVISO-MILPITAS ROAD 237 INDUSTRIAL CENTER/ CILKER	0	325	0	220	A O	0	0	0	0	0	0	287
H14-011 (3-18810) Retail/Commercial NW CORNER OF SR 237 AND N. FIRST STREET HOMEWOOD SUITES HOTEL	0	0	0	0	0	Ö	0	0	0	0	0	0
H83-01-001 (3-12093) Office/Industrial JUNCTION AV, N/O PLUMERIA ULTRATECH STEPPER - ORIGINAL APPROVED TRIPS	0	0	0	0	0	0	0	0	0	16	0	0
H89-01-008 (3-08288) LEGACY TASMAN & ZANKER (SW/C) OFC 88,433;IND 88433, WHSE	0	0	0	0	0	0	0	0	0	12	0	0
NSJ LEGACY	0	1	9	0	0	0	0	0	0	66	0	6
NORTH SAN JOSE												
PD13-012 (3-09684) Office/Industrial NW CORNER OF SR237 AND N. FIRST STREET SOUTH BAY	0	30	0	0	19	0	0	0	0	0	0	46
PD13-039 (3-18698)	0	0	0	0	0	0	0	0	0	0	0	0

Office/Industrial NW CORNER OF NORTHECH PKWY AND DISK DR

TRAMMEL CROW (R&D)

PD13-039 (3-18698)

Page	No:	2
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AM PROJECT TRIPS												03/08	3/2021
Intersection of : WB 237 From Zanke	r Rp & Za	nker Ro	d										
Traffix Node Number : 3030													
Permit No./Proposed Land Use/Description/Location		M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
PD14-007 (3-18698) Office/Industrial NW CORNER OF NORTECH PKWY AND DISK DR TRAMMEL CROW (MFG.)		0	19	0	0	7	0	0	0	0	0	0	30
	TOTAL:	0	375 50	9	25	110 26	0	0	0	0	94	0	369 82
		LEF	T TF	IRU F	RIGHT								
	NORTH	18	01	1026	0								
	EAST	94		0	3,89 82								
	SOUTH	0	3	1350	9								
	WEST	0	4	0	0								

PM PROJECT TRIPS

Page No:3

141	1187	2021
001	00/	2021

Intersection of : WB 237 From Zanker Rp & Zanker Rd

Permit No./Proposed Land Use/Description/Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
C15-054 (3-14457) Office/Industrial 1657 ALVISO-MILPITAS ROAD 237 INDUSTRIAL CENTER/ CILKER	0	50	0	20	554 0	0	0	0	0	0	0	41 0
H14-011 (3-18810) Retail/Commercial NW CORNER OF SR 237 AND N. FIRST STREET HOMEWOOD SUITES HOTEL	0	0	0	0	0	0	0	0	0	0	0	0
H83-01-001 (3-12093) Office/Industrial JUNCTION AV, N/O PLUMERIA ULTRATECH STEPPER - ORIGINAL APPROVED TRIPS	0	0	0	0	0	0	0	0	0	1	0	0
H89-01-008 (3-08288) LEGACY TASMAN & ZANKER (SW/C) OFC 88,433;IND 88433, WHSE	0	0	0	0	0	0	0	0	0	3	0	0
NSJ LEGACY NORTH SAN JOSE	Q	2	36	0	2	0	0	0	0	80	0	13
PD13-012 (3-09684) Office/Industrial NW CORNER OF SR237 AND N. FIRST STREET SOUTH BAY	0	3	0	0	73	0	0	0	0	0	0	5
PD13-039 (3-18698) Office/Industrial NW CORNER OF NORTHECH PKWY AND DISK DR TRAMMEL CROW (R&D)	0	0	0	0	0	0	0	0	0	0	0	0

PM PROJECT TRIPS										_	03/08	1/2021
Intersection of : WB 237 From Zanker Rp	& Zanker Ro	d										
Traffix Node Number : 3030												
Permit No./Proposed Land Use/Description/Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
PD14-007 (3-18698)	0	3	0	0	43	0	0	0	0	0	0	6

Office/Industrial NW CORNER OF NORTECH PKWY AND DISK DR

TRAMMEL CROW (MFG.)

PD14-007 (3-18698)

TOTAL:	0	58 36 8	98 O	672 118	0	0	0	0	84	0	68 24
	LEFT	THRU	RIGHT								
NORTH	280	622/18	3 0								
EAST	84	0	\$24								
SOUTH	0	588	36								
WEST	0	0	0								

Page No: 4

Page No: 5

AM PROJECT TRIPS

03/08/2021

Intersection of : EB 237 From Zanker Rp & EB 237 To Zanker Rp & Zanker Rd

Permit No./Proposed Land Use/Description/Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
C15-054 (3-14457) Office/Industrial 1657 ALVISO-MILPITAS ROAD 237 INDUSTRIAL CENTER/ CILKER	0	232	0	A7 0	38 0	0	92 0	0	0	0	0	0
H14-011 (3-18810) Retail/Commercial NW CORNER OF SR 237 AND N. FIRST STREET HOMEWOOD SUITES HOTEL	0	0	0	0	0	0	0	0	0	0	0	0
H83-01-001 (3-12093) Office/Industrial JUNCTION AV, N/O PLUMERIA ULTRATECH STEPPER - ORIGINAL APPROVED TRIPS	0	3	0	0	16	0	0	0	0	0	0	0
H89-01-008 (3-08288) LEGACY TASMAN & ZANKER (SW/C) OFC 88,433;IND 88433, WHSE	0	7	0	0	12	0	0	0	0	0	0	0
NSJ LEGACY NORTH SAN JOSE	0	64	15	4	68	0	1	0	78	0	0	0
PD13-012 (3-09684) Office/Industrial NW CORNER OF SR237 AND N. FIRST STREET SOUTH BAY	0	30	0	11	7	0	0	0	0	0	0	0
PD13-039 (3-18698) Office/Industrial NW CORNER OF NORTHECH PKWY AND DISK DR TRAMMEL CROW (R&D)	0	0	0	0	0	0	0	0	0	0	0	0

Da	an	No		6
10	iye	TAC	٠	0

AM PROJECT TRIPS											03/08	/2021
Intersection of : EB 237 From Zanker Rp & Traffix Node Number : 3031	ЕВ 237 Т	o Zank	er Rp	& Zank	er Rd							
Permit No./Proposed Land Use/Description/Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
PD14-007 (3-18698) Office/Industrial NW CORNER OF NORTECH PKWY AND DISK DR TRAMMEL CROW (MFG.)	0	19	0	- 4	3	0	0	0	0	0	0	0
TOTAL	.: 0	355 123	15	66 19	144 106	0	93 1	0	78	0	0	0
	LEF	T TH	IRU R	IGHT								
NOF	RTH 66	19 2	44 106	0								
EAS	<b>5T</b> 0		0	0								
SOL	<b>JTH</b> 0	3	83123	15								
WES	ST 93	1	0	78								

Dar	ar	Mo	. 7	
Lav	90	180	<ul> <li>/</li> </ul>	

PM PROJECT TRIPS

03/08/2021

Intersection of : EB 237 From Zanker Rp & EB 237 To Zanker Rp & Zanker Rd

Permit No./Proposed Land Use/Description/Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
C15-054 (3-14457) Office/Industrial 1657 ALVISO-MILPITAS ROAD 237 INDUSTRIAL CENTER/ CILKER	0	30	0	300	248	0	10	0	0	0	0	0
H14-011 (3-18810) Retail/Commercial NW CORNER OF SR 237 AND N. FIRST STREET HOMEWOOD SUITES HOTEL	0	4	0	0	3	0	0	0	0	0	0	0
H83-01-001 (3-12093) Office/Industrial JUNCTION AV, N/O PLUMERIA ULTRATECH STEPPER - ORIGINAL APPROVED TRIPS	0	16	0	0	1	0	0	0	2	0	0	0
H89-01-008 (3-08288) LEGACY TASMAN & ZANKER (SW/C) OFC 88,433;IND 88433, WHSE	0	12	0	0	3	0	0	0	3	0	0	0
NSJ LEGACY NORTH SAN JOSE	0	67	56	32	65	0	0	5	18	0	0	0
PD13-012 (3-09684) Office/Industrial NW CORNER OF SR237 AND N. FIRST STREET SOUTH BAY	0	3	0	44	29	0	0	0	0	0	0	0
PD13-039 (3-18698) Office/Industrial NW CORNER OF NORTHECH PKWY AND DISK DR TRAMMEL CROW (R&D)	0	0	0	0	0	0	0	0	0	0	0	0

D	-	~	0	Mo		0
	a	ч	c	140	٠	0

PM PROJECT TRIPS												03/08	3/2021
Intersection of : EB 237 From Zanker Traffix Node Number : 3031	Rp & EB	237 То	Zank	er Rp	& Zank	er Rd							
Permit No./Proposed Land Use/Description/Location		M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
PD14-007 (3-18698) Office/Industrial NW CORNER OF NORTECH PKWY AND DISK DR TRAMMEL CROW (MFG.)		0.	3	0	26	17	0	0	0	0	0	0	0
	TOTAL:	0	141 105	56	408 102	386 //8	0	14	5	23	0	0	0
		LEFT	тн	RU R	IGHT								
	NORTH	408	102 34	55/18	0								
	EAST	0	(	)	0								
	SOUTH	0	1	1105	56								
	WEST	40	2	õ	23								

## AM PROJECT TRIPS

03/08/2021

## Intersection of : E Tasman Dr & Zanker Rd

Permit No./Proposed Land Use/Description/Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	MO4 WBR
C15-054 (3-14457) Office/Industrial 1657 ALVISO-MILPITAS ROAD 237 INDUSTRIAL CENTER/ CILKER	0	20	0	40	20 N	80	\$ 0	0	0	0	0	AT O
H14-011 (3-18810) Retail/Commercial NW CORNER OF SR 237 AND N. FIRST STREET HOMEWOOD SUITES HOTEL	8	0	0	0	0	0	0	1	5	0	1	0
H83-01-001 (3-12093) Office/Industrial JUNCTION AV, N/O PLUMERIA ULTRATECH STEPPER - ORIGINAL APPROVED TRIPS	0	3	0	0	22	0	0	0	0	2	0	0
NSJ LEGACY NORTH SAN JOSE	38	77	22	55	45	12	17	92	5	13	71	43
PD13-012 (3-09684) Office/Industrial NW CORNER OF SR237 AND N. FIRST STREET SOUTH BAY	6	16	0	3	4	0	0	5	2	0	21	14
PD13-039 (3-18698) Office/Industrial NW CORNER OF NORTHECH PKWY AND DISK DR TRAMMEL CROW (R&D)	0	0	0	0	0	0	0	0	0	0	0	0
PD14-007 (3-18698) Office/Industrial NW CORNER OF NORTECH PKWY AND DISK DR TRAMMEL CROW (MFG.)	4	10	0	1	1	0	0	2	0	0	14	9

AM PROJECT TRIPS											03/08	3/2021
Intersection of : E Tasman Dr & Zanker Rd	1											
Traffix Node Number : 3821												
Permit No./Proposed Land Use/Description/Location	M	IO9 M IBL N	IO8 M07 BT NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
PDC16-013 (3-06800) Retail/Commercial N. FIRST ST. BETWEEN GOLD STREET AND SR 237 TOP GOLF		0	0 0	0	0	0	0	6	0	0	12	0
TOTA	L: !	56 2 /	46 22 06	,65 59	95 72	21 12	12 17	106	12	15	119	193 66
		LEFT	THRU	RIGHT								
NO	RTH	\$559	9872	212								
EA	ST	15	119	10366								
so	DUTH	56	248/06	22								
WE	ST	217	106	12								

Page No:0

Dago	Mo	. 1
Laye	110	•

PM PROJECT TRIPS

03/08/2021

Intersection	of	:	Е	Tasman	Dr	&	Zanker	Rd	

Permit No./Proposed Land Use/Description/Location	M09 NBL	M08 NBT	M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
C15-054 (3-14457) Office/Industrial 1657 ALVISO-MILPITAS ROAD 237 INDUSTRIAL CENTER/ CILKER	0	20	0	30	150	580	40	0	0	0	0	80
H14-011 (3-18810) Retail/Commercial NW CORNER OF SR 237 AND N. FIRST STREET HOMEWOOD SUITES HOTEL	9	0	0	0	0	0	0	1	6	0	1	0
H83-01-001 (3-12093) Office/Industrial JUNCTION AV, N/O PLUMERIA ULTRATECH STEPPER - ORIGINAL APPROVED TRIPS	0	22	2	0	3	0	0	0	0	0	0	0
NSJ LEGACY	29	101	27	71	47	7	13	104	6	26	76	43
PD13-012 (3-09684) Office/Industrial NW CORNER OF SR237 AND N. FIRST STREET SOUTH BAY	1	2	0	14	16	0	0	21	6	0	2	2
PD13-039 (3-18698) Office/Industrial NW CORNER OF NORTHECH PKWY AND DISK DR TRAMMEL CROW (R&D)	0	0	0	0	0	0	0	0	0	0	0	0
PD14-007 (3-18698) Office/Industrial NW CORNER OF NORTECH PKWY AND DISK DR TRAMMEL CROW (MFG.)	1	2	0	8	9	0	0	12	3	0	2	1

PM PROJECT TRIPS											03/08	3/2021
Intersection of : E Tasman Dr & Zanker Rd												
Traffix Node Number : 3821												
Permit No./Proposed Land Use/Description/Location	M09 NBL	MC NE	08 M07 NBR	M03 SBL	M02 SBT	M01 SBR	M12 EBL	M11 EBT	M10 EBR	M06 WBL	M05 WBT	M04 WBR
PDC16-013 (3-06800) Retail/Commercial N. FIRST ST. BETWEEN GOLD STREET AND SR 237 TOP GOLF	0	0	0	0	0	0	0	29	0	0	28	0
TOTAL:	40	14 12	g 29 .7	132" 93	225 75	56°	21 13	167	21	26	109	52 46
	LE	FT	THRU	RIGHT								
NORTH	I J	3293	22575	587								
EAST	2	6	109	\$46								
SOUTH	<b>i</b> 4	0	245127	29								
WEST	2	113	167	21								

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## Appendix C Intersection Level of Service Calculations



## Microsoft Data Center (SJC02) 479,000 SF

## North San Jose, CA

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



Street Name:		2	Zanker	Road				0	SR 237	(North	1)	
Approach:	Noi	rth Bou	ınd	Soi	ith Bo	ound	Εā	ast Bo	ound	We	est Bc	und
Movement:	L -	- т -	- R	L -	- Т	– R	L -	- т	– R	L -	- т	– R
Min. Green:	0	10	10	7	10	0	0	0	0	10	0	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module	e: >>	Count	Date:	12 00	ct 201	.6 << 7	:50-8:	:50AM				
Base Vol:	0	109	704	30	92	0	0	0	0	299	0	82
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	109	704	30	92	0	0	0	0	299	0	82
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	109	704	30	92	0	0	0	0	299	0	82
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	109	0	30	92	0	0	0	0	299	0	82
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	109	0	30	92	0	0	0	0	299	0	82
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	109	0	30	92	0	0	0	0	299	0	82
Saturation Fl	low Mo	odule:										
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	0.00	2.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	3800	1750	1750	1900	0	0	0	0	3150	0	1750
Capacity Anal	lysis	Module	∋:									
Vol/Sat:	0.00	0.03	0.00	0.02	0.05	0.00	0.00	0.00	0.00	0.09	0.00	0.05
Crit Moves:		* * * *		* * * *						* * * *		
Green/Cycle:	0.00	0.17	0.00	0.11	0.28	0.00	0.00	0.00	0.00	0.58	0.00	0.69
Volume/Cap:	0.00	0.16	0.00	0.16	0.17	0.00	0.00	0.00	0.00	0.16	0.00	0.07
Delay/Veh:	0.0	22.9	0.0	26.7	17.7	0.0	0.0	0.0	0.0	6.4	0.0	3.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	22.9	0.0	26.7	17.7	0.0	0.0	0.0	0.0	6.4	0.0	3.4
LOS by Move:	A	С	A	С	В	А	A	A	A	A	A	A
DesignQueue:	0	2	0	1	2	0	0	0	0	3	0	1
Note: Queue 1	report	ced is	the n	umber	of ca	irs per	lane.					

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

## Background (AM)



Street Name:		2	Zanker	Road				5	SR 237	(North	1)	
Approach:	Noi	th Bou	und	Soi	ith Bc	ound	Εa	ast Bo	ound	We	est Bo	und
Movement:	L -	- т -	- R	L -	- Т	– R	L -	- т	– R	L -	- т	– R
Min. Green:	0	10	10	7	10	0	0	0	0	10	0	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module	e: >>	Count	Date:	12 00	ct 201	.6 << 7	:50-8:	:50AM				
Base Vol:	0	109	704	30	92	0	0	0	0	299	0	82
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	109	704	30	92	0	0	0	0	299	0	82
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	50	9	0	26	0	0	0	0	94	0	82
Initial Fut:	0	159	713	30	118	0	0	0	0	393	0	164
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	159	0	30	118	0	0	0	0	393	0	164
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	159	0	30	118	0	0	0	0	393	0	164
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	159	0	30	118	0	0	0	0	393	0	164
Saturation F	low Mo	odule:										
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	0.00	2.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	3800	1750	1750	1900	0	0	0	0	3150	0	1750
Capacity Anal	lysis	Module	∋:									
Vol/Sat:	0.00	0.04	0.00	0.02	0.06	0.00	0.00	0.00	0.00	0.12	0.00	0.09
Crit Moves:		* * * *		****						* * * *		
Green/Cycle:	0.00	0.19	0.00	0.11	0.30	0.00	0.00	0.00	0.00	0.56	0.00	0.67
Volume/Cap:	0.00	0.22	0.00	0.16	0.21	0.00	0.00	0.00	0.00	0.22	0.00	0.14
Delay/Veh:	0.0	22.4	0.0	26.7	17.3	0.0	0.0	0.0	0.0	7.1	0.0	3.9
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	22.4	0.0	26.7	17.3	0.0	0.0	0.0	0.0	7.1	0.0	3.9
LOS by Move:	A	С	A	С	В	A	A	A	A	A	A	A
DesignQueue:	0	2	0	1	3	0	0	0	0	4	0	2
Note: Queue a	report	ed is	the n	umber	of ca	rs per	lane.					

Level Of Service Computation Report 2000 HCM Operations (Future Volume Alternative) Bkgrd + Proj (AM)



Street Name:	: Zanker Road							S	R 237	(North	1)	
Approach:	Noi	rth Bou	und	Sou	ith Bc	und	Εa	ast Bc	und	We	est Bo	und
Movement:	L -	- T -	- R	L -	- т	– R	L -	- T	– R	L -	- т	– R
Min. Green:	0	10	10	7	10	0	0	0	0	10	0	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module	e: >>	Count	Date:	12 00	ct 201	.6 << 7	:50-8:	:50AM				
Base Vol:	0	109	/04	30	92	0	0	0	0	299	0	82
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	109	704	30	92	0	0	0	0	299	0	82
Added Vol:	0	11	0	3	16	0	0	0	0	0	0	11
ATI:	0	50	9	0	26	0	0	0	0	94	0	82
Initial Fut:	0	170	713	33	134	0	0	0	0	393	0	175
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	170	0	33	134	0	0	0	0	393	0	175
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	170	0	33	134	0	0	0	0	393	0	175
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	170	0	33	134	0	0	0	0	393	0	175
Saturation F	low Mo	odule:										
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	0.00	2.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	3800	1750	1750	1900	0	0	0	0	3150	0	1750
Capacity Ana.	Lysis	Module	e:									
Vol/Sat:	0.00	0.04	0.00	0.02	0.07	0.00	0.00	0.00	0.00	0.12	0.00	0.10
Crit Moves:		****		* * * *						* * * *		
Green/Cycle:	0.00	0.20	0.00	0.11	0.31	0.00	0.00	0.00	0.00	0.55	0.00	0.66
Volume/Cap:	0.00	0.22	0.00	0.18	0.23	0.00	0.00	0.00	0.00	0.22	0.00	0.15
Delay/Veh:	0.0	22.0	0.0	26.8	17.0	0.0	0.0	0.0	0.0	7.4	0.0	4.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	22.0	0.0	26.8	17.0	0.0	0.0	0.0	0.0	7.4	0.0	4.2
LOS by Move:	A	С	A	С	В	A	A	A	A	A	А	A
DesignQueue:	0	2	0	1	3	0	0	0	0	4	0	2
Note: Queue	report	ced is	the n	umber	of ca	rs per	lane					

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

Existing (AM)



Approach:	Noi	rth Bou	ınd	Sou	ith Bo	und	Εa	ast Bc	und	We	est Bo	und
Movement:	L -	- т -	- R	L -	- т	– R	L -	- T	– R	L -	- т	– R
Min. Green:	0	10	10	7	10	0	10	10	10	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module	e: >>	Count	Date:	12 00	ct 201	6 << 8	:00-9	:00AM				
Base Vol:	0	781	409	61	320	0	31	2	534	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	781	409	61	320	0	31	2	534	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	781	409	61	320	0	31	2	534	0	0	0
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	781	0	61	320	0	31	2	534	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	781	0	61	320	0	31	2	534	0	0	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	781	0	61	320	0	31	2	534	0	0	0
Saturation Fl	Low Mo	odule:										
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.95	0.95	0.83	0.92	1.00	0.92
Lanes:	0.00	3.00	1.00	1.00	2.00	0.00	0.94	0.06	2.00	0.00	0.00	0.00
Final Sat.:	0	5700	1750	1750	3800	0	1691	109	3150	0	0	0
Capacity Anal	lysis	Module	€:									
Vol/Sat:	0.00	0.14	0.00	0.03	0.08	0.00	0.02	0.02	0.17	0.00	0.00	0.00
Crit Moves:		* * * *		* * * *					* * * *			
Green/Cycle:	0.00	0.34	0.00	0.11	0.44	0.00	0.42	0.42	0.42	0.00	0.00	0.00
Volume/Cap:	0.00	0.41	0.00	0.32	0.19	0.00	0.04	0.04	0.41	0.00	0.00	0.00
Delay/Veh:	0.0	16.7	0.0	27.8	11.0	0.0	11.3	11.3	13.5	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	16.7	0.0	27.8	11.0	0.0	11.3	11.3	13.5	0.0	0.0	0.0
LOS by Move:	A	В	A	С	В	A	В	В	В	A	A	A
DesignQueue:	0	6	0	2	3	0	1	1	7	0	0	0
Note: Queue n	report	ted is	the n	umber	of ca	rs per	lane					

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

## Background (AM)



Approach:	No	rth Bou	und	Sou	ith Bo	und	Εa	ast Bc	und	We	est Bo	und
Movement:	L ·	- т -	– R	L -	- т	– R	L ·	- т	– R	L -	- т	– R
Min. Green:	0	10	10	7	10	0	10	10	10	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module	e: >>	Count	Date:	12 00	ct 201	6 << 8	:00-9	.00AM				
Base Vol:	0	781	409	61	320	0	31	2	534	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	781	409	61	320	0	31	2	534	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	123	15	19	106	0	1	0	78	0	0	0
Initial Fut:	0	904	424	80	426	0	32	2	612	0	0	0
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	904	0	80	426	0	32	2	612	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	904	0	80	426	0	32	2	612	0	0	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	904	0	80	426	0	32	2	612	0	0	0
Saturation Fl	Low Mo	odule:										
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.95	0.95	0.83	0.92	1.00	0.92
Lanes:	0.00	3.00	1.00	1.00	2.00	0.00	0.94	0.06	2.00	0.00	0.00	0.00
Final Sat.:	0	5700	1750	1750	3800	0	1694	106	3150	0	0	0
Capacity Anal	Lysis	Module	e:									
Vol/Sat:	0.00	0.16	0.00	0.05	0.11	0.00	0.02	0.02	0.19	0.00	0.00	0.00
Crit Moves:		* * * *		* * * *					* * * *			
Green/Cycle:	0.00	0.34	0.00	0.11	0.45	0.00	0.42	0.42	0.42	0.00	0.00	0.00
Volume/Cap:	0.00	0.47	0.00	0.42	0.25	0.00	0.05	0.05	0.47	0.00	0.00	0.00
Delay/Veh:	0.0	17.1	0.0	28.7	11.3	0.0	11.4	11.4	14.1	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	17.1	0.0	28.7	11.3	0.0	11.4	11.4	14.1	0.0	0.0	0.0
LOS by Move:	A	В	A	С	В	A	В	В	В	A	A	A
DesignQueue:	0	8	0	3	4	0	1	1	8	0	0	0
Note: Queue n	ceport	ted is	the n	umber	of ca	rs per	lane					

Level Of Service Computation Report 2000 HCM Operations (Future Volume Alternative) Bkgrd + Proj (AM)



Approach:	Noi	rth Bou	ınd	Sou	ith Bo	und	Εā	ast Bo	ound	We	est Bo	und
Movement:	L -	- т -	- R	L -	- т	– R	L -	- Т	– R	L -	- т	– R
Min. Green:	0	10	10	7	10	0	10	10	10	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module	e: >>	Count	Date:	12 00	ct 201	6 << 8	:00-9:	:00AM				
Base Vol:	0	781	409	61	320	0	31	2	534	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	781	409	61	320	0	31	2	534	0	0	0
Added Vol:	0	8	0	10	7	0	3	0	0	0	0	0
ATI:	0	123	15	19	106	0	1	0	78	0	0	0
Initial Fut:	0	912	424	90	433	0	35	2	612	0	0	0
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	912	0	90	433	0	35	2	612	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	912	0	90	433	0	35	2	612	0	0	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	912	0	90	433	0	35	2	612	0	0	0
Saturation F	low Mo	odule:										
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.95	0.95	0.83	0.92	1.00	0.92
Lanes:	0.00	3.00	1.00	1.00	2.00	0.00	0.95	0.05	2.00	0.00	0.00	0.00
Final Sat.:	0	5700	1750	1750	3800	0	1703	97	3150	0	0	0
Capacity Ana	lysis	Module	€:									
Vol/Sat:	0.00	0.16	0.00	0.05	0.11	0.00	0.02	0.02	0.19	0.00	0.00	0.00
Crit Moves:		* * * *		****					* * * *			
Green/Cycle:	0.00	0.34	0.00	0.11	0.45	0.00	0.41	0.41	0.41	0.00	0.00	0.00
Volume/Cap:	0.00	0.47	0.00	0.47	0.25	0.00	0.05	0.05	0.47	0.00	0.00	0.00
Delay/Veh:	0.0	17.0	0.0	29.0	11.2	0.0	11.5	11.5	14.2	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	17.0	0.0	29.0	11.2	0.0	11.5	11.5	14.2	0.0	0.0	0.0
LOS by Move:	A	В	A	С	В	A	В	В	В	A	A	A
DesignQueue:	0	8	0	3	4	0	1	1	8	0	0	0
Note: Queue :	report	ted is	the n	umber	of ca	rs per	lane					

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



Approach:North BoundSouth BoundEast BoundWest BoundMovement:L-T-RL-T-RL-T-RMin. Green:71010710107101071010YHR:4.04.04.04.04.04.04.04.04.04.04.04.04.0Volume Module:>> Count Date:6Mar 2018 <RT-RT-RT-RT-RRT-RRT-RRT-RRT-RR-T-RR<	Street Name:		1	Zanker	Road					Tasman	Drive	Э	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Approach:	Noi	th Bou	und	Sou	ith Bo	und	Εa	ast Bo	ound	We	est Bo	und
min. Green:       7       10       10       10 <t< td=""><td>Movement:</td><td>L -</td><td>- т -</td><td>- R</td><td>L -</td><td>- Т</td><td>- R</td><td>L -</td><td>- T</td><td>- R</td><td>L -</td><td>- Т</td><td>- R</td></t<>	Movement:	L -	- т -	- R	L -	- Т	- R	L -	- T	- R	L -	- Т	- R
Y+R:       4.0	Min. Green:	 7	10	10	 7	10	10	 7	10	10		 10	10
Volume Module:         >> Count Date:         6 Mar 2018 <           Base Vol:         105         644         113         417         250         28         62         237         35         249         1150         862           Growth Adj:         1.00         0         <	Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module: >> Count Date: 6 Mar 2018 << Base Vol: 105 644 113 417 250 28 62 237 35 249 1150 862 Growth Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0													
Base Vol:       105       644       113       417       250       28       62       237       35       249       1150       862         Growth Adj:       1.00       0 <td< td=""><td>Volume Module</td><td>e: &gt;&gt;</td><td>Count</td><td>Date:</td><td>6 Mai</td><td>2018</td><td>&lt;&lt;</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Volume Module	e: >>	Count	Date:	6 Mai	2018	<<						
Growth Adj:       1.00       0	Base Vol:	105	644	113	417	250	28	62	237	35	249	1150	862
Initial Bse:       105       644       113       417       250       28       62       237       35       249       1150       862         Added Vol:       0 <td< td=""><td>Growth Adj:</td><td>1.00</td><td>1.00</td><td>1.00</td><td>1.00</td><td>1.00</td><td>1.00</td><td>1.00</td><td>1.00</td><td>1.00</td><td>1.00</td><td>1.00</td><td>1.00</td></td<>	Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Added Vol:       0	Initial Bse:	105	644	113	417	250	28	62	237	35	249	1150	862
ATI:       0	Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:       105       644       113       417       250       28       62       237       35       249       1150       862         User Adj:       1.00       <	ATI:	0	0	0	0	0	0	0	0	0	0	0	0
User Adj:       1.00       0 <td< td=""><td>Initial Fut:</td><td>105</td><td>644</td><td>113</td><td>417</td><td>250</td><td>28</td><td>62</td><td>237</td><td>35</td><td>249</td><td>1150</td><td>862</td></td<>	Initial Fut:	105	644	113	417	250	28	62	237	35	249	1150	862
PHF Adj:       1.00       0	User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:       105       644       113       417       250       28       62       237       35       249       1150       862         Reduct Vol:       0 <td< td=""><td>PHF Adj:</td><td>1.00</td><td>1.00</td><td>1.00</td><td>1.00</td><td>1.00</td><td>1.00</td><td>1.00</td><td>1.00</td><td>1.00</td><td>1.00</td><td>1.00</td><td>1.00</td></td<>	PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Reduct Vol:       0 <td< td=""><td>PHF Volume:</td><td>105</td><td>644</td><td>113</td><td>417</td><td>250</td><td>28</td><td>62</td><td>237</td><td>35</td><td>249</td><td>1150</td><td>862</td></td<>	PHF Volume:	105	644	113	417	250	28	62	237	35	249	1150	862
Reduced Vol:       105       644       113       417       250       28       62       237       35       249       1150       862         PCE Adj:       1.00 <t< td=""><td>Reduct Vol:</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></t<>	Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PCE Adj:       1.00	Reduced Vol:	105	644	113	417	250	28	62	237	35	249	1150	862
MLF Adj:       1.00	PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:       105       644       113       417       250       28       62       237       35       249       1150       862         Saturation Flow Module:       Saturation Flow Module:       Saturation Flow Module:       1900<	MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Saturation Flow Module:         Saturation Flow Module:         Sat/Lane:       1900 1900 1900 1900 1900 1900 1900 1900	FinalVolume:	105	644	113	417	250	28	62	237	35	249	1150	862
Sat/Lane:       1900       100       1000	Coturation E												
Adjustment:       0.83       1.00       0.92       0.83       1.00 <td>Saturation F.</td> <td>1000 MC</td> <td>1000</td>	Saturation F.	1000 MC	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Adjustment:       0.83 1.00       0.92       0.83 1.00       0.92       0.83 1.00       0.92       0.83 1.00       0.92       0.83 1.00       0.92         Lanes:       2.00 3.00       1.00       2.00 3.00       1.00       2.00 2.00       1.00       2.00 2.00       1.00         Final Sat.:       3150 5700       1750       3150 5700       1750       3150 3800       1750       3150 3800       1750         Capacity Analysis Module:       Vol/Sat:       0.03 0.11       0.06       0.13 0.04       0.02       0.02       0.06       0.02       0.08       0.30       0.49         Crit Moves:       ****       ****       ****       ****       ****       ****       ****         Green/Cycle:       0.14       0.16       0.46       0.19       0.21       0.26       0.05       0.27       0.41       0.30       0.51       0.70         Volume/Cap:       0.23       0.70       0.14       0.70       0.21       0.06       0.39       0.23       0.05       0.27       0.59       0.70         Volume/Cap:       0.23       0.70       0.14       0.70       0.21       0.06       0.39       0.23       0.05       0.27       0.59       <	Jdiugtmont.	1900	1 00	1900	1900	1 00	1900	1900	1 00	1900	1900	1 00	1900
Lanes:       2.00 3.00 1.00 2.00 3.00 1.00 2.00 2.00 1.00 2.00 2.00 1.00         Final Sat.:       3150 5700 1750 3150 5700 1750 3150 3800 1750 3150 3800 1750	Adjustment:	0.03	2.00	1 00	0.03	2.00	1 00	0.03	2.00	1 00	0.03	2.00	1 00
Final sat:       3150 5/00 1/50 3150 5/00 1/50 3150 3800 1/50 3150 3800 1/50 3150 3800 1/50         Capacity Analysis Module:       Vol/sat:       0.03 0.11 0.06 0.13 0.04 0.02 0.02 0.06 0.02 0.08 0.30 0.49         Crit Moves:       ****       ****       ****         Green/Cycle:       0.14 0.16 0.46 0.19 0.21 0.26 0.05 0.27 0.41 0.30 0.51 0.70       Volume/Cap:       0.23 0.70 0.14 0.70 0.21 0.06 0.39 0.23 0.05 0.27 0.59 0.70         Delay/Veh:       53.3 58.0 22.1 56.8 46.2 39.4 66.1 40.1 24.7 37.8 24.2 14.0       User DelAdj:       1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	Lanes:	2.00	5.00	1750	2.00	5.00	1750	2.00	2.00	1750	2.00	2.00	1750
Capacity Analysis Module:       Vol/Sat:       0.03 0.11 0.06 0.13 0.04 0.02 0.02 0.06 0.02 0.08 0.30 0.49         Crit Moves:       ****       ****       ****         Green/Cycle: 0.14 0.16 0.46 0.19 0.21 0.26 0.05 0.27 0.41 0.30 0.51 0.70       Volume/Cap: 0.23 0.70 0.14 0.70 0.21 0.06 0.39 0.23 0.05 0.27 0.59 0.70         Delay/Veh:       53.3 58.0 22.1 56.8 46.2 39.4 66.1 40.1 24.7 37.8 24.2 14.0         User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Final Sat.:	5150	5700	1/50	3130	5700	1/30	3130	3800	1750	3130	3800	1/50
Vol/Sat:       0.03       0.11       0.06       0.13       0.04       0.02       0.02       0.06       0.02       0.08       0.30       0.49         Crit Moves:       ****       ****       ****       ****       ****       ****       ****         Green/Cycle:       0.14       0.19       0.21       0.26       0.05       0.27       0.41       0.30       0.51       0.70         Volume/Cap:       0.23       0.70       0.14       0.70       0.21       0.06       0.39       0.23       0.05       0.27       0.59       0.70         Delay/Veh:       53.3       58.0       22.1       56.8       46.2       39.4       66.1       40.1       24.7       37.8       24.2       14.0         User DelAdj:       1.00	Capacity Ana	lvsis	Module	<u>-</u> .	1			I		1	I		I
Crit Moves:       ****       ****       ****       ****       ****         Green/Cycle:       0.14       0.16       0.46       0.19       0.21       0.26       0.05       0.27       0.41       0.30       0.51       0.70         Volume/Cap:       0.23       0.70       0.14       0.70       0.21       0.06       0.39       0.23       0.05       0.27       0.59       0.70         Delay/Veh:       53.3       58.0       22.1       56.8       46.2       39.4       66.1       40.1       24.7       37.8       24.2       14.0         User DelAdj:       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00         AdjDel/Veh:       53.3       58.0       22.1       56.8       46.2       39.4       66.1       40.1       24.7       37.8       24.2       14.0         LOS by Move:       D       E       C       E       D       D       C       D       B         DesignQueue:       4       14       5       16       5       2       3       7       2       8       24       25	Vol/Sat:	0 03	0 11	0 06	0 13	0 04	0 02	0 02	0 06	0 02	0 08	0 30	0 4 9
Green/Cycle:       0.14       0.16       0.46       0.19       0.21       0.26       0.05       0.27       0.41       0.30       0.51       0.70         Volume/Cap:       0.23       0.70       0.14       0.70       0.21       0.06       0.39       0.23       0.05       0.27       0.59       0.70         Delay/Veh:       53.3       58.0       22.1       56.8       46.2       39.4       66.1       40.1       24.7       37.8       24.2       14.0         User       DelAdj:       1.00       1.00       1.00       1.00       1.00       1.00       1.00       1.00         AdjDel/Veh:       53.3       58.0       22.1       56.8       46.2       39.4       66.1       40.1       24.7       37.8       24.2       14.0         LOS by Move:       D       E       C       E       D       C       D       C       B         DesignQueue:       4       14       5       16       5       2       3       7       2       8       24       25	Crit Moves.	0.00	****	0.00	****	0.01	0.02	****	0.00	0.01	0.00		****
Volume/Cap:       0.23       0.70       0.14       0.70       0.21       0.06       0.39       0.23       0.05       0.27       0.59       0.70         Delay/Veh:       53.3       58.0       22.1       56.8       46.2       39.4       66.1       40.1       24.7       37.8       24.2       14.0         User       DelAdj:       1.00       1	Green/Cycle:	0.14	0.16	0.46	0.19	0.21	0.26	0.05	0.27	0.41	0.30	0.51	0.70
Delay/Veh:       53.3       58.0       22.1       56.8       46.2       39.4       66.1       40.1       24.7       37.8       24.2       14.0         User DelAdj:       1.00       1.	Volume/Cap:	0.23	0.70	0.14	0.70	0.21	0.06	0.39	0.23	0.05	0.27	0.59	0.70
User DelAdj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0	Delav/Veh:	53.3	58.0	22.1	56.8	46.2	39.4	66.1	40.1	24.7	37.8	24.2	14.0
AdjDel/Veh:       53.3       58.0       22.1       56.8       46.2       39.4       66.1       40.1       24.7       37.8       24.2       14.0         LOS by Move:       D       E       C       E       D       D       C       D       C       B         DesignQueue:       4       14       5       16       5       2       3       7       2       8       24       25	User DelAdi:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
LOS by Move: D E C E D D E D C D C B DesignQueue: 4 14 5 16 5 2 3 7 2 8 24 25	AdiDel/Veh:	53.3	58.0	22.1	56.8	46.2	39.4	66.1	40.1	24.7	37.8	24.2	14.0
DesignQueue: 4 14 5 16 5 2 3 7 2 8 24 25	LOS by Move:	D	E	C	F.	 D	D	F	D	C	D	 C	ЭВ
Note: Output reported is the number of gars per land	DesignOueue:	4	14	5	16	5	2	.3	7	2	8	24	25
NOLE, Queue reported is the number of cars per rane.	Note: Queue	report	ted is	the n	umber	of ca	rs per	lane.	•	-	2		

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

Background (AM)



Street Name:		2	Zanker	Road					Tasman	Drive	9	
Approach:	Noi	th Bou	ınd	Soi	ith Bo	und	Εa	ast Bo	ound	We	est Bo	und
Movement:	L -	- т -	- R	L -	- т	– R	L -	- т	– R	L -	- т	– R
Min. Green:	. 7	10	10	. 7	10	10	. 7	10	10	. 7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module	e: >>	Count	Date:	6 Mai	2018	<< '						
Base Vol:	105	644	113	417	250	28	62	237	35	249	1150	862
Growth Adi:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	105	644	113	417	250	28	62	237	35	249	1150	862
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	56	106	22	59	72	12	17	106	12	15	119	66
Initial Fut:	161	7.50	135	476	322	40	79	343	47	264	1269	928
User Adi:	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00
PHF Adi.	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00
PHF Volume.	161	750	135	476	322	40	79	343	47	264	1269	928
Poduct Vol:	101	, 50	100	0,1	522	0 -	, ,	0	, r 0	204	1205	0
Reduce VOI:	161	750	135	176	300	10	79	313	17	261	1269	928
Reduced VOI.	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00
FCE AUJ.	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00	1 00
MLF AUJ:	1.00	750	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1200	1.00
Finalvolume:	TOT	/50	132	4/0	322	40	. 79	343	4 /	204	1209	928
Coturotion E												
Saturation F.	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Sal/Lane:	1900	1 00	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	3.00	1.00	2.00	3.00	1.00	2.00	2.00	1750	2.00	2.00	1750
Final Sat.:	3150	5700	1/50	3150	5700	1/50	3150	3800	1/50	3150	3800	1/50
Capacity Ana.	LYSIS	Module	e:	0 1 5	0.00	0 00	0 0 0	0 00	0 0 0	0 00	0 22	0 5 0
Vol/Sat:	0.05	0.13	0.08	0.15	0.06	0.02	0.03	0.09	0.03	0.08	0.33	0.53
Crit Moves:		****		****			****					****
Green/Cycle:	0.15	0.1/	0.43	0.20	0.22	0.27	0.05	0.28	0.44	0.26	0.50	0.69
Volume/Cap:	0.33	0.77	0.18	0.77	0.26	0.09	0.50	0.32	0.06	0.32	0.67	0.77
Delay/Veh:	53.2	59.0	24.4	58.8	45.8	38.8	67.3	39.8	22.9	41.8	27.8	17.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	53.2	59.0	24.4	58.8	45.8	38.8	67.3	39.8	22.9	41.8	27.8	17.1
LOS by Move:	D	E	С	Ε	D	D	Ε	D	С	D	С	В
DesignQueue:	6	17	7	19	7	2	4	10	2	9	27	28
Note: Queue a	report	ed is	the n	umber	of ca	rs per	lane					

Level Of Service Computation Report 2000 HCM Operations (Future Volume Alternative) Bkgrd + Proj (AM)



Street Name:		2	Zanker	Road					Tasman	Drive	9	
Approach:	Noi	rth Bou	ind	Soi	ith Bo	und	Εa	ast Bo	ound	We	est Bo	und
Movement:	L -	- т -	- R	L -	- т	– R	L -	- Т	– R	L -	- т	– R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module	e: >>	Count	Date:	6 Mai	2018	<<						
Base Vol:	105	644	113	417	250	28	62	237	35	249	1150	862
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	105	644	113	417	250	28	62	237	35	249	1150	862
Added Vol:	0	5	0	1	4	2	2	0	0	0	0	1
ATI:	56	106	22	59	72	12	17	106	12	15	119	66
Initial Fut:	161	755	135	477	326	42	81	343	47	264	1269	929
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	161	755	135	477	326	42	81	343	47	264	1269	929
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	161	755	135	477	326	42	81	343	47	264	1269	929
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	161	755	135	477	326	42	81	343	47	264	1269	929
Saturation F	low Mo	odule:										
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92
Lanes:	2.00	3.00	1.00	2.00	3.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00
Final Sat.:	3150	5700	1750	3150	5700	1750	3150	3800	1750	3150	3800	1750
Capacity Anal	lysis	Module	∋:									
Vol/Sat:	0.05	0.13	0.08	0.15	0.06	0.02	0.03	0.09	0.03	0.08	0.33	0.53
Crit Moves:		* * * *		* * * *			* * * *					* * * *
Green/Cycle:	0.15	0.17	0.43	0.20	0.22	0.27	0.05	0.28	0.44	0.26	0.49	0.69
Volume/Cap:	0.33	0.77	0.18	0.77	0.27	0.09	0.51	0.32	0.06	0.32	0.68	0.77
Delay/Veh:	53.2	58.9	24.4	58.9	45.8	38.8	67.7	39.8	22.9	41.8	27.9	17.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	53.2	58.9	24.4	58.9	45.8	38.8	67.7	39.8	22.9	41.8	27.9	17.2
LOS by Move:	D	Е	С	E	D	D	Ε	D	С	D	С	В
DesignQueue:	6	17	7	19	7	3	4	10	2	9	27	28
Note: Queue	report	ted is	the n	umber	of ca	rs per	lane					

Level Of Service Computation Report 2000 HCM Operations (Future Volume Alternative) Bkgrd + Proj (AM)

Intersection #4000: Zanker Rd & Nortech Pkwy



Approach:	No	rth Bou	und	Sou	ith Bc	und	Εā	ast Bc	und	We	est Bo	und
Movement:	L ·	- т -	- R	L -	- Т	– R	L -	- т	– R	L -	- Т	– R
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module	e:											
Base Vol:	0	196	0	0	125	0	0	0	0	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	196	0	0	125	0	0	0	0	0	0	0
Added Vol:	0	0	22	0	0	0	0	0	0	19	0	0
ATI(extrapo:	0	132	0	0	26	0	0	0	0	0	0	0
Initial Fut:	0	328	22	0	151	0	0	0	0	19	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	328	22	0	151	0	0	0	0	19	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	328	22	0	151	0	0	0	0	19	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	328	22	0	151	0	0	0	0	19	0	0
Saturation Fl	Low Mo	dule:										
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	0.97	0.94	0.92	0.97	0.92	0.92	1.00	0.92	0.88	1.00	0.92
Lanes:	1.00	1.87	0.13	1.00	2.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Sat.:	1750	3436	230	1750	3700	0	1750	1900	1750	1663	1900	1750
Capacity Anal	Lysis	Module	e:									
Vol/Sat:	0.00	0.10	0.10	0.00	0.04	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Crit Moves:		* * * *		* * * *						* * * *		
Green/Cycle:	0.00	0.79	0.79	0.00	0.79	0.00	0.00	0.00	0.00	0.09	0.00	0.00
Volume/Cap:	0.00	0.12	0.12	0.00	0.05	0.00	0.00	0.00	0.00	0.12	0.00	0.00
Delay/Veh:	0.0	2.6	2.6	0.0	2.4	0.0	0.0	0.0	0.0	41.9	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	2.6	2.6	0.0	2.4	0.0	0.0	0.0	0.0	41.9	0.0	0.0
LOS by Move:	A	А	A	A	A	A	A	A	A	D	A	A
DesignQueue:	0	2	2	0	1	0	0	0	0	1	0	0
Note: Oueue 1	report	ted is	the n	umber	of ca	rs per	lane	_				

## Microsoft Data Center (SJC02) 479,000 SF

## North San Jose, CA

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



Street Name:		2	Zanker	Road				S	SR 237	(North	1)	
Approach:	Noi	rth Bou	ınd	Sou	ith Bo	und	Εā	ast Bo	ound	We	est Bo	und
Movement:	L -	- т -	- R	L -	- Т	– R	L -	- т	– R	L -	- Т	– R
Min. Green:	0	10	10	7	10	0	0	0	0	10	0	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module	e: >>	Count	Date:	1 Nov	7 2018	<< 5:0	0.0-6:0	0 PM				
Base Vol:	0	39	475	15	367	0	0	0	0	668	0	109
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	39	475	15	367	0	0	0	0	668	0	109
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	39	475	15	367	0	0	0	0	668	0	109
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	39	0	15	367	0	0	0	0	668	0	109
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	39	0	15	367	0	0	0	0	668	0	109
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	39	0	15	367	0	0	0	0	668	0	109
Saturation Fl	low Mo	dule:										
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	0.00	2.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	3800	1750	1750	1900	0	0	0	0	3150	0	1750
Capacity Anal	lysis	Module	∋:									
Vol/Sat:	0.00	0.01	0.00	0.01	0.19	0.00	0.00	0.00	0.00	0.21	0.00	0.06
Crit Moves:		* * * *		* * * *						* * * *		
Green/Cycle:	0.00	0.19	0.00	0.13	0.33	0.00	0.00	0.00	0.00	0.50	0.00	0.50
Volume/Cap:	0.00	0.05	0.00	0.06	0.59	0.00	0.00	0.00	0.00	0.42	0.00	0.12
Delay/Veh:	0.0	17.2	0.0	19.8	16.1	0.0	0.0	0.0	0.0	8.4	0.0	7.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	17.2	0.0	19.8	16.1	0.0	0.0	0.0	0.0	8.4	0.0	7.0
LOS by Move:	A	В	A	В	В	A	A	A	A	A	A	A
DesignQueue:	0	0	0	0	8	0	0	0	0	6	0	2
Note: Queue	report	ted is	the n	umber	of ca	rs per	lane.					

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



Street Name:		2	Zanker	Road				2	SR 237	(North	1)	
Approach:	Noi	rth Bou	und	Sou	ith Bo	und	Εa	ast Bo	ound	We	est Bo	und
Movement:	L -	- т -	- R	L -	- T	– R	L -	- Т	– R	L -	- т	– R
Min. Green:	0	10	10	7	10	0	0	0	0	10	0	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volumo Modula			 Data	1 Nor								
Volume Module	2: >>	Count	Jace:	I NOV	2018	<< 5:1	00-6:0	JUPM	0	660	0	100
Base Vol:	1 0 0	39	4/5	1 00	307	1 00	1 00	1 00	1 00	1 000	1 0 0	1 00
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	39	4/5	12	367	0	0	0	0	668	0	109
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
A'I'1:	0	8	36	0	118	0	0	0	0	84	0	24
Initial Fut:	0	47	511	15	485	0	0	0	0	752	0	133
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	47	0	15	485	0	0	0	0	752	0	133
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	47	0	15	485	0	0	0	0	752	0	133
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	47	0	15	485	0	0	0	0	752	0	133
Saturation F	low Mo	odule:										
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	0.00	2.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	3800	1750	1750	1900	0	0	0	0	3150	0	1750
Consoity Apa		Modul										
Val (Cat.	LYSIS			0 01	0.26	0 00	0 00	0 00	0 00	0 24	0 00	0 00
VOI/Sal:	0.00		0.00		0.20	0.00	0.00	0.00	0.00	0.24	0.00	0.08
Crit Moves:	0 0 0	0 1 0	0 00	0 1 0	0 00	0 0 0	0 00	0 00	0 00	0 50	0 0 0	0 5 0
Green/Cycle:	0.00	0.19	0.00	0.13	0.33	0.00	0.00	0.00	0.00	0.50	0.00	0.50
Volume/Cap:	0.00	0.06	0.00	0.06	0./8	0.00	0.00	0.00	0.00	0.48	0.00	0.15
Delay/Veh:	0.0	17.2	0.0	19.8	22.2	0.0	0.0	0.0	0.0	8.8	0.0	7.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	17.2	0.0	19.8	22.2	0.0	0.0	0.0	0.0	8.8	0.0	7.1
LOS by Move:	A	В	A	В	С	A	A	A	A	A	A	A
DesignQueue:	0	1	0	0	10	0	0	0	0	7	0	2
Note: Oueue	report	ted is	the n	umber	of ca	rs per	lane.					

Level Of Service Computation Report 2000 HCM Operations (Future Volume Alternative) Bkgrd + Proj (PM)



Street Name:		2	Zanker	Road				S	R 237	(North	1)	
Approach:	Noi	th Bou	ınd	Soi	ith Bo	und	Εa	ast Bo	ound	We	est Bo	und
Movement:	L -	- т -	- R	L -	- т	– R	L -	- T	– R	L -	- Т	– R
Min. Green:	0	10	10	7	10	0	0	0	0	10	0	10
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module	: >>	Count	Date:	1 Nov	7 2018	<< 5:0	00-6:0	)OPM				
Base Vol:	0	39	475	15	367	0	0	0	0	668	0	109
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	39	475	15	367	0	0	0	0	668	0	109
Added Vol:	0	5	0	4	20	0	0	0	0	0	0	5
ATI:	0	8	36	0	118	0	0	0	0	84	0	24
Initial Fut:	0	52	511	19	505	0	0	0	0	752	0	138
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	52	0	19	505	0	0	0	0	752	0	138
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	52	0	19	505	0	0	0	0	752	0	138
PCE Adi:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adi:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	52	0	19	505	0	0	0	0	752	0	138
Saturation Fl	.ow Mo	odule:										
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.92	1.00	0.92	0.83	1.00	0.92
Lanes:	0.00	2.00	1.00	1.00	1.00	0.00	0.00	0.00	0.00	2.00	0.00	1.00
Final Sat.:	0	3800	1750	1750	1900	0	0	0	0	3150	0	1750
Capacity Anal	ysis	Module	∋:									
Vol/Sat:	0.00	0.01	0.00	0.01	0.27	0.00	0.00	0.00	0.00	0.24	0.00	0.08
Crit Moves:		* * * *		* * * *						* * * *		
Green/Cvcle:	0.00	0.19	0.00	0.13	0.33	0.00	0.00	0.00	0.00	0.50	0.00	0.50
Volume/Cap:	0.00	0.07	0.00	0.08	0.81	0.00	0.00	0.00	0.00	0.48	0.00	0.16
Delav/Veh:	0.0	17.2	0.0	19.8	24.1	0.0	0.0	0.0	0.0	8.8	0.0	7.1
User DelAdi	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdiDel/Veh:	0.0	17.2	0.0	19.8	24.1	0.0	0.0	0.0	0.0	8.8	0.0	7.1
LOS by Move.	а. с Д	B	2.9 A	0 R	C	A. 0	۵ <b>.</b> ۵	2.5 A	2.0 A	۵.0 ۵	2.5 A	A
DesignOueue:	0	1	0	1	11	0	0	0	0	7	0	2
Note: Oueue r	report	ted is	the n	umber	of ca	rs per	lane.		0	,	0	-

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



Approach:	No	rth Bou	und	Sou	ith Bo	und	Εa	ast Bc	und	We	est Bo	und
Movement:	L ·	- т -	- R	L -	- T	– R	L ·	- т	– R	L -	- т	– R
Min. Green:	0	10	10	7	10	0	10	10	10	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module	e: >>	Count	Date:	1 Nov	7 2018	<< 5:0	00-6:0	DOPM				
Base Vol:	0	506	953	285	739	0	4	3	124	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	506	953	285	739	0	4	3	124	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	506	953	285	739	0	4	3	124	0	0	0
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	506	0	285	739	0	4	3	124	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	506	0	285	739	0	4	3	124	0	0	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	506	0	285	739	0	4	3	124	0	0	0
Saturation Fl	Low Mo	odule:										
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.95	0.95	0.83	0.92	1.00	0.92
Lanes:	0.00	3.00	1.00	1.00	2.00	0.00	0.57	0.43	2.00	0.00	0.00	0.00
Final Sat.:	0	5700	1750	1750	3800	0	1029	771	3150	0	0	0
Capacity Anal	Lysis	Module	e:									
Vol/Sat:	0.00	0.09	0.00	0.16	0.19	0.00	0.00	0.00	0.04	0.00	0.00	0.00
Crit Moves:		* * * *		* * * *			* * * *					
Green/Cycle:	0.00	0.23	0.00	0.42	0.64	0.00	0.19	0.19	0.19	0.00	0.00	0.00
Volume/Cap:	0.00	0.39	0.00	0.39	0.30	0.00	0.02	0.02	0.21	0.00	0.00	0.00
Delay/Veh:	0.0	17.6	0.0	11.2	4.3	0.0	17.5	17.5	18.3	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	17.6	0.0	11.2	4.3	0.0	17.5	17.5	18.3	0.0	0.0	0.0
LOS by Move:	A	В	A	В	A	A	В	В	В	A	A	A
DesignQueue:	0	4	0	6	4	0	0	0	2	0	0	0
Note: Queue n	ceport	ted is	the n	umber	of ca	rs per	lane					

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



Approach:	No	rth Bou	ınd	Sou	ith Boi	und	Εa	ast Bo	und	We	est Bo	und
Movement:	L ·	- т -	- R	L -	- т -	- R	L -	- Т	– R	L -	- Т	– R
Min. Green:	0	10	10	7	10	0	10	10	10	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module	e: >>	Count	Date:	1 Nov	7 2018	<< 5:0	00-6:0	DOPM				
Base Vol:	0	506	953	285	739	0	4	3	124	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	506	953	285	739	0	4	3	124	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
ATI:	0	105	56	102	118	0	0	5	23	0	0	0
Initial Fut:	0	611	1009	387	857	0	4	8	147	0	0	0
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Volume:	0	611	0	387	857	0	4	8	147	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	611	0	387	857	0	4	8	147	0	0	0
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	0	611	0	387	857	0	4	8	147	0	0	0
Saturation F	low Mo	odule:										
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.92	1.00	0.92	0.92	1.00	0.92	0.95	0.95	0.83	0.92	1.00	0.92
Lanes:	0.00	3.00	1.00	1.00	2.00	0.00	0.33	0.67	2.00	0.00	0.00	0.00
Final Sat.:	0	5700	1750	1750	3800	0	600	1200	3150	0	0	0
Capacity Ana	lysis	Module	€:									
Vol/Sat:	0.00	0.11	0.00	0.22	0.23	0.00	0.01	0.01	0.05	0.00	0.00	0.00
Crit Moves:		* * * *		* * * *			* * * *					
Green/Cycle:	0.00	0.21	0.00	0.43	0.64	0.00	0.19	0.19	0.19	0.00	0.00	0.00
Volume/Cap:	0.00	0.51	0.00	0.51	0.35	0.00	0.04	0.04	0.25	0.00	0.00	0.00
Delay/Veh:	0.0	18.9	0.0	11.6	4.5	0.0	17.6	17.6	18.5	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	18.9	0.0	11.6	4.5	0.0	17.6	17.6	18.5	0.0	0.0	0.0
LOS by Move:	A	В	A	В	A	A	В	В	В	A	A	A
DesignQueue:	0	5	0	7	5	0	0	0	2	0	0	0
Note: Queue :	report	ted is	the n	umber	of ca	rs per	lane					

Level Of Service Computation Report 2000 HCM Operations (Future Volume Alternative) Bkgrd + Proj (PM)



Approach:	Noi	rth Bou	ind	Soi	ith Bo	und	Εa	ast Bo	ound	We	est Bc	ound
Movement:	L -	- т -	- R	L -	- Т	– R	L ·	- Т	– R	L -	- т	– R
Min. Green:	0	10	10	7	10	0	10	10	10	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Volume Module	∋: >>	Count	Date:	1 Nov	7 2018	<< 5:0	00-6:0	JOPM	104	0	0	0
Base Vol:	1 0 0	506	953	285	139	1 00	4	3	124	1 0 0	0	1 00
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	506	953	285	/39	0	4	3	124	0	0	0
Added Vol:	0	4	0	100	8	0	2	0	0	0	0	0
ATT:	0	105	56	102	118	0	0	5	23	0	0	0
Initial Fut:	1 0 0	1 00	1009	399	865	1 0 0	1 00	1 00	1 0 0	1 00	1 0 0	1 00
User Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	1.00	1.00 C1E	0.00	1.00	1.00	1.00	1.00	1.00	147	1.00	1.00	1.00
PHF VOLUME:	0	010	0	399	865	0	6	8	147	0	0	0
Reduct VOL:	0	0	0	200		0	0	0	1 4 7	0	0	0
Reduced Vol:	1 0 0	1 00	0	399	865	1 0 0	1 00	1 00	1 0 0	1 00	1 0 0	1 00
PCE Adj:	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00 C1E	0.00	1.00	1.00	1.00	1.00	1.00	147	1.00	1.00	1.00
Finalvolume:	, 0	613	0	399	800	0	0	8	14/	, 0	0	0
Saturation E												
Sat /Iano.	100 10	1900	1 9 0 0	1 9 0 0	1 9 0 0	1000	1 9 0 0	1 9 0 0	1 9 0 0	1 9 0 0	1 9 0 0	1900
Adjustment.	1 900	1 00	1 900 n 92	1 900 N 92	1 00	1 900 N 92	1 900	1 900 A 95	0 83	1 900 N 92	1 00	0 92
Lanes.	0.92	3 00	1 00	1 00	2 00	0.02	0.23	0.55	2 00	0.92	0 00	0.02
Final Sat ·	0.00	5700	1750	1750	3800	0.00	771	1029	3150	0.00	0.00	0.00
				1								
Capacity Anal	lvsis	Module	-: '			1	i.			1		1
Vol/Sat:	0.00	0.11	0.00	0.23	0.23	0.00	0.01	0.01	0.05	0.00	0.00	0.00
Crit Moves:		****		****				* * * *				
Green/Cvcle:	0.00	0.21	0.00	0.44	0.64	0.00	0.19	0.19	0.19	0.00	0.00	0.00
Volume/Cap:	0.00	0.52	0.00	0.52	0.35	0.00	0.04	0.04	0.25	0.00	0.00	0.00
Delav/Veh:	0.0	19.2	0.0	11.6	4.5	0.0	17.6	17.6	18.5	0.0	0.0	0.0
User DelAdi:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	19.2	0.0	11.6	4.5	0.0	17.6	17.6	18.5	0.0	0.0	0.0
LOS by Move:	A	В	A	В	A	A	В	В	В	A	A	A
DesignQueue:	0	5	0	8	5	0	0	0	2	0	0	0
Note: Queue	report	ted is	the n	umber	of ca	rs per	lane					

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



Street Name:	Zanker Road							Tasman Drive						
Approach:	Noi	rth Bo	und	Sou	ith Bo	und	Εa	ast Bo	ound	West Bound				
Movement:	L -	- T ·	- R	L -	- T	– R	L -	- Т	– R	L -	- Т	– R		
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10		
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		
Volume Module	e: >>	Count	Date:	6 Mai	2018	<<								
Base Vol:	250	680	242	165	429	42	135	823	112	285	411	295		
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
Initial Bse:	250	680	242	165	429	42	135	823	112	285	411	295		
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0		
ATI:	0	0	0	0	0	0	0	0	0	0	0	0		
Initial Fut:	250	680	242	165	429	42	135	823	112	285	411	295		
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
PHF Volume:	250	680	242	165	429	42	135	823	112	285	411	295		
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0		
Reduced Vol:	250	680	242	165	429	42	135	823	112	285	411	295		
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
FinalVolume:	250	680	242	165	429	42	135	823	112	285	411	295		
Saturation F	low Mo	odule:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900		
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92		
Lanes:	2.00	3.00	1.00	2.00	3.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00		
Final Sat.:	3150	5700	1750	3150	5700	1750	3150	3800	1750	3150	3800	1750		
Capacity Ana	lysis	Modul	e:											
Vol/Sat:	0.08	0.12	0.14	0.05	0.08	0.02	0.04	0.22	0.06	0.09	0.11	0.17		
Crit Moves:		* * * *		* * * *				* * * *		* * * *				
Green/Cycle:	0.17	0.23	0.40	0.10	0.16	0.34	0.18	0.41	0.58	0.17	0.41	0.51		
Volume/Cap:	0.47	0.52	0.35	0.52	0.47	0.07	0.24	0.52	0.11	0.52	0.26	0.33		
Delay/Veh:	53.3	47.8	29.5	61.4	53.9	31.7	49.8	31.0	13.1	53.6	27.4	20.4		
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
AdjDel/Veh:	53.3	47.8	29.5	61.4	53.9	31.7	49.8	31.0	13.1	53.6	27.4	20.4		
LOS by Move:	D	D	С	E	D	С	D	С	В	D	С	С		
DesignQueue:	10	14	13	7	10	2	5	20	4	11	10	13		
Note: Queue n	report	ted is	the n	umber	of ca	rs per	lane							

COMPARE

## Microsoft Data Center (SJC02) 479,000 SF North San Jose, CA

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



Street Name:		2	Zanker	Road			Tasman Drive						
Approach:	Noi	rth Bou	und South Bound				East Bound West Bou					und	
Movement:	L -	- т -	- R	L -	- T -	– R	L -	- т	– R	L -	- Т	– R	
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10	
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
Volume Module	e: >>	Count	Date:	6 Mai	2018	<<							
Base Vol:	250	680	242	165	429	42	135	823	112	285	411	295	
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Initial Bse:	250	680	242	165	429	42	135	823	112	285	411	295	
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0	
ATI:	40	127	29	93	75	7	13	167	21	26	109	46	
Initial Fut:	290	807	271	258	504	49	148	990	133	311	520	341	
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PHF Volume:	290	807	271	258	504	49	148	990	133	311	520	341	
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0	
Reduced Vol:	290	807	271	258	504	49	148	990	133	311	520	341	
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
FinalVolume:	290	807	271	258	504	49	148	990	133	311	520	341	
Saturation Fl	low Mo	dule:											
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	
Adjustment:	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	0.83	1.00	0.92	
Lanes:	2.00	3.00	1.00	2.00	3.00	1.00	2.00	2.00	1.00	2.00	2.00	1.00	
Final Sat.:	3150	5700	1750	3150	5700	1750	3150	3800	1750	3150	3800	1750	
Capacity Anal	lysis	Module	∋:										
Vol/Sat:	0.09	0.14	0.15	0.08	0.09	0.03	0.05	0.26	0.08	0.10	0.14	0.19	
Crit Moves:		* * * *		* * * *				* * * *		* * * *			
Green/Cycle:	0.18	0.22	0.38	0.13	0.17	0.32	0.15	0.41	0.59	0.15	0.41	0.54	
Volume/Cap:	0.51	0.64	0.41	0.64	0.51	0.09	0.31	0.64	0.13	0.64	0.33	0.36	
Delay/Veh:	52.8	50.4	32.6	61.3	53.1	33.1	53.3	34.0	12.9	58.3	28.1	18.5	
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
AdjDel/Veh:	52.8	50.4	32.6	61.3	53.1	33.1	53.3	34.0	12.9	58.3	28.1	18.5	
LOS by Move:	D	D	С	Ε	D	С	D	С	В	Ε	С	В	
DesignQueue:	11	17	15	11	11	3	6	24	5	13	12	14	
Note: Queue 1	report	ced is	the n	umber	of ca	rs per	lane						

Level Of Service Computation Report 2000 HCM Operations (Future Volume Alternative) Bkgrd + Proj (PM)



Street Name:	Zanker Road							Tasman Drive						
Approach:	North Bound South H					und	East Bound West Bound							
Movement:	L -	- т -	- R	_ L -	- T	- R	L -	- Т	- R	_ L -	- Т	- R		
Min. Green:	 7	10	 10	 7	10	10	 7	10	 10	 7	10	10		
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		
Volume Module	Count	Date:	6 Mai	 r 2018										
Base Vol:	250	680	242	165	429	42	135	823	112	285	411	295		
Growth Adi:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
Initial Bse:	250	680	242	165	429	42	135	823	112	285	411	295		
Added Vol:	0	2	0	1	6	2	1	0_0	0	0	0	0		
ATT.	40	127	29	93	75	7	13	167	21	26	109	46		
Initial Fut:	290	809	271	259	510	.51	149	990	133	311	520	341		
User Adi:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
PHF Adi:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
PHF Volume:	290	809	271	2.5.9	510	51	149	990	133	311	520	341		
Reduct Vol:	0	0	0	0	0_0	0	0	0	0	0	0_0	0		
Reduced Vol:	290	809	271	259	510	51	149	990	133	311	520	341		
PCE Adi:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
MLF Adi:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
FinalVolume:	290	809	271	259	510	51	149	990	133	311	520	341		
Saturation F														
Saturation r.	100 10	1900	1 9 0 0	1900	1 9 0 0	1 9 0 0	1 9 0 0	1 9 0 0	1900	1 9 0 0	1 9 0 0	1 9 0 0		
Adjustmont.	U 83	1 00	1 900	1 900	1 00	1 900	1 900	1 00	0 92	1 900	1 00	0 92		
Lanos.	2 00	3 00	1 00	2 00	3 00	1 00	2 00	2 00	1 00	2 00	2 00	1 00		
Final Sat.:	3150	5700	1750	3150	5700	1750	3150	3800	1750	3150	3800	1750		
Capacity Ana.	LYSIS	MOQULE		0 00	0 00	0 0 2	0 0 5	0.00	0 00	0 1 0	0 1 4	0 1 0		
Vol/Sal:	0.09	0.14	0.15	0.08	0.09	0.03	0.05	0.20	0.08	****	0.14	0.19		
Crit Moves:	0 1 0	0 00	0 20	0 1 0	0 17	0 20	0 1 5	0 41	0 50	0 1 5	0 4 1			
Green/Cycle:	0.18	0.22	0.38	0.13	0.17	0.32	0.15	0.41	0.59	0.15	0.41	0.54		
Volume/Cap:	0.52	0.64	0.41	0.64	0.52	0.09	U.31	0.64	12 0	0.64	0.33	10.36		
Delay/Ven:	52.9	50.4	32.5	61.3	53.0	33.0	53.4	34.0	13.0	58.3	28.1	18.5		
user DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
AajDel/Veh:	52.9	50.4	32.5	6⊥.З _	53.0	33.0	53.4	34.0	13.0	58.3	28.1	18.5		
TOR DA Move:	D	D	C	E	D	C	D	C	В	E 1 O	C	В		
DesignQueue:	11	,⊥/ , ·	15	, 11	11 C	3	, 6	24	5	13	12	⊥4		
Note: Queue :	report	ted is	the n	umber	oi ca	rs per	⊥ane.							

Level Of Service Computation Report 2000 HCM Operations (Future Volume Alternative) Bkgrd + Proj (PM)





Approach:	Noi	rth Bou	ınd	Soi	ith Bo	und	Εa	ast Bc	und	West Bound			
Movement:	L -	- т -	- R	L -	- Т	– R	L -	- т	– R	L -	- Т	– R	
Min. Green:	7	10	10	7	10	10	7	10	10	7	10	10	
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
Volume Module:													
Base Vol:	0	151	0	0	390	0	0	0	0	0	0	0	
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
Initial Bse:	0	151	0	0	390	0	0	0	0	0	0	0	
Added Vol:	0	0	10	0	0	0	0	0	0	24	0	0	
ATI(extrapo:	0	32	0	0	118	0	0	0	0	0	0	0	
Initial Fut:	0	183	10	0	508	0	0	0	0	24	0	0	
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PHF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
PHF Volume:	0	183	10	0	508	0	0	0	0	24	0	0	
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0	
Reduced Vol:	0	183	10	0	508	0	0	0	0	24	0	0	
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
FinalVolume:	0	183	10	0	508	0	0	0	0	24	0	0	
Saturation Fl	low Mo	odule:											
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	
Adjustment:	0.92	0.97	0.94	0.92	0.97	0.92	0.92	1.00	0.92	0.88	1.00	0.92	
Lanes:	1.00	1.89	0.11	1.00	2.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	
Final Sat.:	1750	3480	190	1750	3700	0	1750	1900	1750	1663	1900	1750	
Capacity Anal	lysis	Module	∋:										
Vol/Sat:	0.00	0.05	0.05	0.00	0.14	0.00	0.00	0.00	0.00	0.01	0.00	0.00	
Crit Moves:	****				* * * *					* * * *			
Green/Cycle:	0.00	0.80	0.80	0.00	0.80	0.00	0.00	0.00	0.00	0.08	0.00	0.00	
Volume/Cap:	0.00	0.07	0.07	0.00	0.17	0.00	0.00	0.00	0.00	0.17	0.00	0.00	
Delay/Veh:	0.0	2.2	2.2	0.0	2.4	0.0	0.0	0.0	0.0	43.2	0.0	0.0	
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
AdjDel/Veh:	0.0	2.2	2.2	0.0	2.4	0.0	0.0	0.0	0.0	43.2	0.0	0.0	
LOS by Move:	A	A	A	A	A	A	A	A	A	D	A	A	
DesignQueue:	0	1	1	0	3	0	0	0	0	1	0	0	
Note: Queue 1	report	ted is	the n	umber	of ca	rs per	lane						

## Appendix D Zanker Road Plan Line






# Appendix E Data Center Parking Demand Study



# HEXAGON TRANSPORTATION CONSULTANTS, INC.

#### Memorandum

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**Date:** August 18, 2017

To: Mr. Ray Hashimoto

From: Gary Black Ollie Zhou

Subject: Parking Study for Server Farm Sites in Santa Clara, California

Hexagon Transportation Consultants, Inc. has completed a parking study for server farm facilities in Santa Clara, California. This study was conducted for the purpose of recommending a parking requirement for server farm facilities to be included in the City of Santa Clara's parking code. The parking requirement should ensure that the peak parking demands at future server farm sites could be contained on site. Hexagon conducted parking demand counts at five server farm sites within the City of Santa Clara to determine the existing peak parking demands. Three of the five server farm sites that were counted were approved by City staff. Subsequent to the initiation of this project, Hexagon was contracted to count two other server farms within the City of Santa Clara for another project. A description of each site and the study findings are discussed below.

### **Server Farm Sites**

Hexagon counted the parking lots at five server farm sites in the City of Santa Clara (see Figure 1). Each site is discussed in detail below:

- Site 1: This 42,585 square feet (s.f.) server farm site is located at 1525 Comstock Street (see Figure 2), east of Kenneth Street. The site is not gated and has 28 parking spaces on site.
- Site 2: This 39,324 s.f. server farm site is located at 1725 Comstock Street (see Figure 3), west of Kenneth Street. The site is not gated and has 25 parking spaces on site.
- Site 3: This 272,000 s.f. server farm site is located at 2401 Walsh Avenue (see Figure 4), west of San Tomas Aquino Creek. The site has gates restricting access to the northern end of the property. There are 160 parking spaces in the ungated area, and 26 spaces in the gated area. The parking spaces along the west edge of the site are mostly occupied by containers and were not counted.
- Site 4: This 323,122 s.f. server farm site is located at 2045 Lafayette Street (see Figure 5), south of Mathew Street. The site is gated and has 138 parking spaces in the gated area.
- Site 5: This 365,489 s.f. server farm site is located at 2220 De La Cruz Boulevard (see Figure 6), north of Reed Street. The site is gated and has 96 parking spaces in the gated area. An additional building recently has been built on the site but is not yet occupied.



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## Parking Demand Analysis

According to the site managers for sites 1-3, the sites were believed to be busier on Fridays and weekends than weekdays. Therefore, Hexagon conducted parking demand counts at these three server farm sites on a Friday, Saturday and Sunday from 8 AM to 6 PM in July/August 2017. According to the site managers for sites 4-5, the sites were believed to be busier on weekdays. Therefore, Hexagon conducted parking demand counts at these two server farm sites on a Tuesday, Wednesday and Thursday from 8 AM to 6 PM in August 2017.

The collected data (see Appendix) show that parking demand typically peaked between 11:30 AM and 2:30 PM. Site 1 parking demand peaked on July 27th at 1:30 PM with 14 vehicles parked. Site 2 parking demand peaked on July 27th at 12:30 PM with 16 vehicles parked. Site 3 parking demand peaked on July 27<sup>th</sup> at 2:00 PM with 44 vehicles parked. Site 4 parking demand peaked on August 9<sup>th</sup> at 1:00 PM with 75 vehicles parked. Site 5 parking demand peaked on August 10<sup>th</sup> at 1:00 PM with 84 vehicles parked. Based on the maximum observed parking demand at each site, the weighted average peak parking demand (see Table 1) is 0.22 space per 1,000 square feet. However, the maximum observed parking demand rate was 0.41 space per 1,000 square feet. As shown in Table 1, it appears that the smaller server farms (sites 1 and 2) have parking demand rates higher than the larger server farms (sites 3-5).

Site #	Address	Building Size (s.f.)	Max. Observed Parking _ Demand	Demand Rate per 1,000 s.f.			
1	1525 Comstock St <sup>1</sup>	42,585	14	0.329			
2	1725 Comstock St <sup>1</sup>	39,324	16	0.407			
3	2401 Walsh Ave <sup>1</sup>	272,000	44	0.162			
4	2045 Lafayette St <sup>2</sup>	323,122	75	0.232			
5	2220 De La Cruz Blvd <sup>2</sup> 365,489		84	0.230			
			Weighted Average	0.22			
			Maximum Observed	0.41			
<u>Notes:</u> 1. Parking demand counts were conducted on a Friday, Saturday and Sunday in July/August 2017.							

#### Table 1 **Observed Maximum Parking Demands**

2. Parking demand counts were conducted on three weekdays in August 2017.

## Discussion

Based on Hexagon's analysis, the observed average maximum parking demand rate was 0.22 space per 1,000 square feet. However, the maximum observed parking demand rate was 0.41 space per 1,000 square feet. Using the average maximum parking demand rate would result in smaller server farms providing too few parking spaces, while using the maximum parking demand rate would result in larger server farms providing too many parking spaces. Therefore, Hexagon recommends the City to require server farms to provide a minimum of six parking spaces plus 0.22 space for every 1,000 s.f. As shown on Table 2, the suggested parking requirement would best reflect the peak parking demand at the sites that were counted. Site 2 would be required to provide 15 parking spaces, which would be one less than the observed peak parking demand. Site 3 would be required to provide 66 parking spaces, which would be 22 spaces more than the observed peak parking demand.

#### Table 2

#### **Proposed Parking Requirement for Server Farms**

Site #	Address	Building Size (s.f.)	Max. Observed Parking Demand	Required Parking Provision <sup>1</sup>
1	1525 Comstock St	42,585	14	15
2	1725 Comstock St	39,324	16	15
3	2401 Walsh Ave	272,000	44	66
4	2045 Lafayette St	323,122	75	77
5	2220 De La Cruz Blvd	365,489	84	86
Notes	<u></u>			

1. Required parking provision is calculated based on Hexagon's recommended requirement of 6 spaces plus 0.22 space per 1,000 s.f.



#### Figure 1 Count Locations







Site 1 - 1525 Comstock Street

















#### Parking Study for Server Farm Sites in Santa Clara, California



Figure 5 Site 4 - 2045 Lafayette Street







Figure 6 Site 5 - 2220 De La Cruz Boulevard





# Parking Study for Server Farm Sites in Santa Clara, CA Appendix

#### Data-storage Sites Parking Counts

7-26-2017 through 8-1-2017

Counts by Auto-Census staff

	1525 Comstock			1725 Comstock			2401 Walsh					
Time	26-Jul	27-Jul	1-Aug	average	26-Jul	27-Jul	1-Aug	average	26-Jul	27-Jul	1-Aug	average
8:00AM	5	6	7	6.0	10	9	10	9.7	28	31	28	29.0
8:30 AM	6	7	8	7.0	11	10	10	10.3	30	34	30	31.3
9:00 AM	6	7	8	7.0	11	10	10	10.3	31	33	33	32.3
9:30 AM	8	8	10	8.7	11	10	10	10.3	32	36	30	32.7
10:00 AM	9	9	14	10.7	12	11	11	11.3	31	35	26	30.7
10:30 AM	10	10	13	11.0	11	11	11	11.0	35	32	28	31.7
11:00 AM	10	10	13	11.0	11	11	11	11.0	33	33	31	32.3
11:30AM	10	10	14	11.3	12	13	11	12.0	27	35	33	31.7
12:00 PM	11	7	12	10.0	11	14	9	11.3	30	29	36	31.7
12:30 PM	11	12	11	11.3	12	16	11	13.0	34	34	37	35.0
1:00 PM	11	11	11	11.0	10	15	14	13.0	32	41	35	36.0
1:30 PM	9	14	13	12.0	11	11	12	11.3	33	43	36	37.3
2:00 PM	9	11	12	10.7	12	11	12	11.7	39	44	36	39.7
2:30 PM	10	8	9	9.0	15	11	11	12.3	30	36	38	34.7
3:00 PM	11	10	9	10.0	15	11	10	12.0	27	31	37	31.7
3:30 PM	9	6	7	7.3	6	5	4	5.0	25	27	28	26.7
4:00PM	8	4	7	6.3	3	3	3	3.0	19	21	21	20.3
4:30PM	8	4	8	6.7	3	2	3	2.7	18	19	14	17.0
5:00PM	8	4	8	6.7	2	2	2	2.0	17	20	16	17.7
5:30PM	4	4	5	4.3	2	2	2	2.0	15	14	11	13.3
6:00PM	6	5	5	5.3	2	2	2	2.0	15	12	9	12.0
Daily Max	11	14	14	12.0	15	16	14	13.0	39	44	38	39.7

Note: Includes loading vehicles. Excludes construction vehicles and vehicles stored behind locked gate

Appendix 3.17B – Revised Air Cooler and Generator Thermal Plume Calculations