Appendix G

Transportation Traffic Analysis, ATE

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May 1, 2018

17070L03

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TRAFFIC AND CIRCULATION STUDY FOR THE GOLETA FIRE STATION 10 PROJECT – CITY OF GOLETA

Associated Transportation Engineers (ATE) has prepared the following traffic and circulation study for the Goleta Fire Station 10 Project (the "Project"), located in the City of Goleta. It is understood that the results of the study will be incorporated into the EIR being prepared by AMEC.

PROJECT DESCRIPTION

The City of Goleta is proposing to construct a new fire station at 7952 Hollister Avenue, located on the northeast corner of the Hollister Avenue/Cathedral Oaks Road intersection. Figure 1 (attached) illustrates the location of the Project site in the western portion of the City. Figure 2 illustrates the Project site plan. The Project includes an 11,600 SF fire station with three apparatus bays, a garage, and staff parking areas. Three firefighters would be on duty at all times, with the 24-hour shift change occurring at 8:00 AM. There would be a short transition between shifts during which six staff members would be on site simultaneously. There would be on average five fire engine response calls during each 24-hour shift, though there is no predictable pattern as to when these emergency responses would occur. Access to the fire station is planned via two driveways on Hollister Avenue.

Fire Station 10 public areas would include the following: an entry lobby; community room/training room with 30-person capacity; and a disabled-accessible public restroom. The community room/training room would be used infrequently for city-related activities and local community non-profit organizational use. The community facilities would be available from 8:00 AM to 9:00 PM

David Stone

Page 2

SETTING

Street Network

The circulation system serving the Project site is comprised of regional highways, arterial streets, and collector roads (see Figure 1). The following text briefly describes the key roadways in the Project vicinity.

Hollister Avenue, located along the southern frontage of the Project site, is a 2- to 4-lane east-west arterial roadway that extends through the Goleta Valley area from State Route 154 on the east to the Bacara Hotel on the west. This roadway serves as the primary east-west surface street route through Goleta. Adjacent to the Project site, Hollister Avenue contains two travel lanes with bike lanes.

Cathedral Oaks Road, located west of the Project site, is a 2- to 4-lane arterial roadway that extends north from Hollister Avenue and then proceeds easterly across the Goleta Valley. This roadway provides a secondary east-west surface street route through Goleta. The section of Cathedral Oaks Road in the study area contains two travel lanes with bike lanes.





Roadway Operations

Figure 3 shows the Existing average daily traffic (ADT) volumes for the study-area roadway segments. Existing roadway volumes were obtained from count data collected by the City of Goleta and new counts conducted in November of 2017 (count data attached for reference). The operational characteristics of the study-area roadways were analyzed based on the City of Goleta's "Acceptable Capacity" rating system (summary of roadway capacities attached for reference). Table 1 shows the Existing ADT volumes and the City=s Acceptable Capacity thresholds for study-area roadways.

Table 1Existing Roadway Operations

Roadway Segment	Roadway Classificatio n	Geometr y	Acceptable Capacity	Existin g ADT
Hollister Avenue e/o Cathedral Oaks Road	Major Arterial	2 Lanes	14,300	6,200
Cathedral Oaks Road n/o Calle Real	Major Arterial	2 Lanes	14,300	3,200

The data presented in Table 1 show that the study-area roadways operate within their acceptable capacities with Existing traffic volumes.

Intersection Operations

Because traffic flow on urban arterials is most constrained at intersections, detailed traffic flow analyses focus on the operating conditions of critical intersections during peak travel periods. In rating intersection operations, ALevels of Service@ (LOS) A through F are used, with LOS A indicating free flow operations and LOS F indicating congested operations (more complete definitions of levels of service are attached). The City of Goleta has established LOS C as the minimum acceptable operating standard for intersections.

Existing AM and PM peak hour traffic volumes for the study-area intersections were obtained from traffic counts conducted in November of 2017 (traffic count data attached). The Existing peak hour traffic volumes are shown on Figure 3 and Figure 4 illustrates the existing intersection lane geometries and traffic controls.

Levels of service for the stop-sign controlled intersections were calculated using the Highway Capacity Manual (HCM)¹ methodology pursuant to City and Caltrans standards. (calculation worksheets are attached). The HCM methodology determines levels of service based on the average stopped delay per vehicle at the intersection. Table 1 lists the existing levels of service for the study-area intersections

		AM Peak	Hour	PM Peak	Hour
Intersection	Control	Delay	LOS	Delay	LOS
US 101 NB Ramp-Calle Real/Winchester Canyon Rd	All-Way Stop	8.5 Sec.	Α	10.0 Sec.	Α
Calle Real/Cathedral Oaks Road	All-Way Stop	13.6 Sec.	В	11.5 Sec.	В
U.S. 101 SB Ramps/Cathedral Oaks Road	Two-Way Stop	9.7 Sec.	Α	10.2 Sec.	В
Hollister Avenue/Cathedral Oaks Road	All-Way Stop	11.3 Sec.	В	11.7 Sec.	В

Table 2Existing Intersection Levels of Service

The data presented in Table 2 show that the study-area intersections currently operate acceptably in the LOS A-B range.

IMPACT THRESHOLDS

The City of Goleta traffic impact thresholds were used to determine impacts related to the Project. The City's thresholds are outlined in the following text.

¹ <u>Highway Capacity Manual</u>, Transportation Research Board, National Research Council, 2010.

City of Goleta Impact Threshold of Significance

A. The addition of project to an intersection increases the volume to capacity (V/C) ratio by the value provided below or sends at least 5, 10 or 15 trips to an intersection operating at LOS F, E, or D.

Significant Change	s in Levels of Service
Intersection Level of Service (Including Project)	Increase in V/C or Trips Greater Than
LOS A	0.20
LOS B	0.15
LOS C	0.10
LOS D	15 Trips
LOS E	10 Trips
LOS F	5 Trips

- B. The project's access to a major road or arterial road would require access that would create an unsafe situation, a new traffic signal, or major revisions to an existing traffic signal.
- C. Project adds traffic to a roadway that has design features (e.g.; narrow width, road side ditches. sharp curves, poor sight distance, inadequate pavement structure) or receives use which would be incompatible with substantial increases in traffic (e.g. rural roads with use by farm equipment, livestock, horseback riding, or residential roads with heavy pedestrian or recreational use, etc.) that will become potential safety problems with the addition of project or cumulative traffic. Exceedance of the roadways designated Circulation Element Capacity may indicate the potential for the occurrence of the above impacts.
- D. Project traffic would utilize a substantial portion of an intersection(s) capacity where the intersection is currently operating at acceptable levels of service (A-C) but with cumulative traffic would degrade to or approach LOS D (V/C 0.81). Substantial is defined as a minimum change of 0.03 for intersections which would operate from 0.80 to 0.85 and a change of 0.02 for intersections which would operate from 0.86 to 0.90, and 0.01 for intersections operating at anything lower.

The City of Goleta=s roadway impact threshold defines a significant roadway impact if a project would increase traffic volumes by more than 1.0 percent (either project-specific or project contribution to cumulative impacts) on a roadway that currently exceeds its Acceptable Capacity or is forecast to exceed its Acceptable Capacity under cumulative conditions.

If the above thresholds are exceeded, construction of improvements or project modifications to reduce the levels of significance to insignificance are required.

PROJECT-SPECIFIC ANALYSIS

Trip Generation

Trip generation estimates were developed for the Project based on operational information provided by staff at the Santa Barbra County Fire Department since there are no published trip generation studies for fire stations. The key assumptions used for the trip generation analysis are as follows:

- 3 staff arrive and 3 staff depart during the AM peak hour;
- 5 fire engine calls per day;
- 3 miscellaneous trips per day (visitors, deliveries, errands, etc.);
- Public meeting room used 13 times per peak month (2-7 cars per meeting).

Table 2 summarizes the trip generation estimates developed for the Project.

Project Component	Unit	ADT	AM Peak Hour Trips	PM Peak Hour Trips
Staff Trips	3 Staff	6	6	0
Fire Engine Calls	5 Calls	10	1	1
Misc. Trips	3 Trips	6	0	0
Public Meeting Room	13/month	<u>7</u>	<u>0</u>	<u>1</u>
Total		29	7	2

Table 2Project Trip Generation

As shown in Table 2, the Project is forecast to generate 29 ADT, with 7 trips during the AM peak hour period and 2 trips during the PM peak hour period.

Project Trip Distribution

Table 3 and Figure 5 show the trip distribution pattern for the Project which was developed based on existing traffic patterns and the anticipated service area for the new fire station. Figure 5 also shows the project-added trips at the study-area roadways and intersections.

Origin/Destination	Direction	Distribution %
U.S. 101	East	45%
0.3. 101	West	10%
Hollister Avenue	East	30%
Cathedral Oaks Road	North	15%
Total:		100%

Table 3Project Trip Distribution Percentages

Roadway Operations

Table 4 presents the Existing and Existing + Project volumes and Acceptable Capacities for the study-area roadways.

Table 4Existing & Existing + Project Roadway Operations

		Avera	ge Daily Trip	S	
Roadway Segment	Acceptabl e Capacity	Existing ADT	Project Added ADT	Existing+Projec t ADT	Project Impact?
Hollister Avenue e/o Cathedral Oaks Road	14,300	6,200	+20	6,220	No
Cathedral Oaks Road n/o Calle Real	14,300	3,200	+4	3,204	No

The data presented in Table 4 show that the study-area roadways would continue to operate within their Acceptable Capacities with the addition of Project traffic.

Intersection Operations

Existing + Project peak hour traffic volumes for the study-area intersections are shown on Figure 6. Tables 5 and 6 present the Existing levels of service, show the project-added traffic volumes, and identify potentially significant impacts based on the City's thresholds.

Table 5

Existing Intersection Operations and Project-Added Traffic – AM Peak Hour

	Existi	ng	Proje	ct Added
Intersection	Delay	LOS	Trip s	Impact ?
Calle Real/Winchester Canyon Road	8.5 Sec	А	1	No
Calle Real/Cathedral Oaks Road	13.6 Sec	В	3	No
U.S. 101 SB Ramps/Cathedral Oaks Road	9.7 Sec	А	5	No
Hollister Avenue/Cathedral Oaks Road	11.3 Sec	В	5	No

Table 6Existing Intersection Operations and Project-Added Traffic – PM Peak Hour

	Existi	ng	Proje	ct Added
Intersection	V/C	LOS	Trip s	Impact ?
Calle Real – U.S. 101 NB Ramps/ Winchester Canyon Road	10.0 Sec	В	0	No
Calle Real/Cathedral Oaks Road	11.5 Sec	В	0	No
U.S. 101 SB Ramps/Cathedral Oaks Road	10.2 Sec	В	2	No
Hollister Avenue/Cathedral Oaks Road	11.7 Sec	В	2	No

The data presented in Tables 5 and 6 show that the Project would add a maximum of 5 trips during the AM peak hour and 2 trips during the PM peak hour to the study-area intersections, which would operate acceptably at LOS B or better. The Project would not generate significant impacts based on City of Goleta thresholds.

SITE ACCESS AND PARKING

Site Distance Analysis

As shown on Figure 2 (Project Site Plan), access for the fire station is proposed via two driveways on Hollister Avenue. A sight distance evaluation was completed for the proposed driveways to determine if adequate sight distances are provided, as reviewed below.

<u>Sight Distance Criteria</u>. The driver of a vehicle departing the Project driveways should have an unobstructed view along Hollister Avenue sufficient in length to anticipate and avoid potential collisions. The stopping sight distance standards in the Caltrans Highway Design Manual² were used to determine minimum sight distance requirements for the fire station

²<u>Highway Design Manual</u>, California Department of Transportation, Sixth Edition, 2006.

David Stone

driveways. Given that the adjacent intersection of Hollister Avenue and Cathedral Oaks Road is controlled by all-way stop signs, a 25 MPH design speed was used as the sight distance standard for vehicles looking to the west. The Caltrans stopping sight distance standard for 25 MPH is 150 feet. The speed limit on Hollister Avenue east of the site is 45 MPH. The sight distance requirement for 45 MPH is 360 feet.

<u>Western Apparatus Bay Driveway</u>. The sight distance looking west from the apparatus bay driveway extends past the Hollister Avenue/Cathedral Oaks Road intersection which is 195 feet away, and thus exceeds the 150-foot minimum stopping sight distance requirement. Hollister Avenue has both horizontal and vertical curves east of the Project site. The sight distance looking to the east from the apparatus bay driveway was measured at 495 feet, which exceeds the minimum stopping sight distance requirement of 360 feet. Figure 7 illustrates the sight distances looking to the west and east from the apparatus bay driveway.

<u>Eastern Public Driveway</u>. The sight distance looking west from the public driveway extends past the Hollister Avenue/Cathedral Oaks Road intersection which is 375 feet away, and thus exceeds the 150-foot minimum stopping sight distance requirement. Hollister Avenue has both a horizontal and vertical curve east of the Project site. The sight distance looking to the east from the public driveway was measured at 530 feet, which exceeds the minimum stopping sight distance requirement of 360 feet. Figure 8 illustrates the sight distances looking to the west and east from the public driveway.

Pedestrian/Bicycle Improvements

The Project frontage on Hollister Avenue is currently unimproved with no sidewalks provided. Hollister Avenue also narrows at the Project site and the westbound Class II bike lane becomes discontinuous. The Project would implement frontage improvements including a new sidewalk that would extend from the existing sidewalk located east of the site to Cathedral Oaks Road bridge at the railroad and US 101. The



current site design has the sidewalk extending around the curb return and ending behind the existing barricade wall adjacent to the railroad bridge, leaving no way for pedestrians to safely connect to the street or the intersection. The design will need to be modified to allow pedestrians to safely access the corner of the Hollister Avenue/Cathedral Oaks Road intersection. The frontage improvements should also be designed accommodate the transition of the westbound Class II bike which is currently discontinuous adjacent to the site.

Parking

The Project is proposing to provide nine parking spaces for the Fire Station employees at the rear of site, and seven public parking spaces located adjacent to Hollister Avenue.

The Project includes a community room/training room with 30-person capacity which would be or County of Santa Barbara Fire Department training use and City of Goleta-related public activities use. The Santa Barbara County Fire Department anticipates the following intensity of the community room/training room use:

Fire Department meetings and training would occur between 9:00 AM and 5:00 PM weekdays; a weekly on-site staff meeting would occur, and up to four training sessions/month involving crew from other stations (travelling in a fire engine or two cars). All vehicles would be accommodated by crew parking spaces and fire engine areas.

City of Goleta and public meetings and training would occur between 8:00 AM and 9:00 PM weekdays and 8:00 AM to 5:00 PM on Saturdays. This would include City staff meetings on weekdays up to once/month, and restricted public use such as limited enrollment (small class) First Aid/CPR classes and Community Emergency Response Team (CERT) training. The small public meetings would occur up to once/week on weekdays between 8:00 AM and 5:00 PM, and an annual CERT training extending once/week over 8 weeks that would occur from 6:00-9:00 PM on a weeknight. Weekend training could occur up to six Saturdays/year. City of Goleta staff and public meeting attendees would carpool such that total attendance would not exceed the seven available public parking spaces.

CUMULATIVE ANALYSIS

Cumulative traffic volumes were forecast for the study-area roadways and intersections assuming development of the approved and pending projects located within the study area. The list of approved and pending projects used for the cumulative analysis (November 2017) is attached for reference. Trip generation estimates were developed for the cumulative projects using the rates presented in the Institute of Transportation Engineers (ITE) Trip Generation report³ (cumulative trip generation calculation worksheet attached). The traffic generated by the cumulative projects was added to the existing volumes based on the distribution percentages presented in existing traffic studies and environmental documents completed for developments in the study area. Figure 9 presents the Cumulative traffic volumes for the study-area roadways and intersections.

³ <u>Trip Generation</u>, Institute of Transportation Engineers, 9th Edition, 2012.

Cumulative Roadway Operations

Figure 10 presents the Cumulative + Project volumes forecasts. Table 7 compares the Cumulative and Cumulative + Project roadway operations and identifies cumulative impacts based on City of Goleta impact thresholds.

		Ave	rage Daily	Trips	
Roadway Segment	Acceptabl e Capacity	Cumulativ e	Project Added	Cumulativ e+Project	Project Impact
Hollister Avenue e/o Cathedral Oaks Road	14,300	6,210	+20	6,230	No
Cathedral Oaks Road n/o Calle Real	14,300	3,257	+4	3,261	No

Table 7Cumulative + Project Roadway Operations

As shown in Table 7, the study-area roadways are forecast to carry volumes within their Acceptable Capacity ratings under Cumulative + Project traffic conditions. The Project would therefore not contribute to significant cumulative impacts based on City of Goleta impact thresholds.

Intersection Impacts

Tables 8 and 9 compare the Cumulative and Cumulative + Project levels of service and identify cumulative impacts based on City of Goleta thresholds.

Table 8Cumulative + Project Intersection Operations – AM Peak Hour

	Cumul	ative	Project-	
Intersection	LOS	V/C	Added Trips	Impact?
Calle Real – U.S. 101 NB Ramps/ Winchester Canyon Road	8.5	Α	1	No
Calle Real/Cathedral Oaks Road	13.7	В	3	No
U.S. 101 SB Ramps/Cathedral Oaks Road	9.8	Α	5	No
Hollister Avenue/Cathedral Oaks Road	11.3	В	5	No

	Cum	ulative	Project-	
Intersection	LOS	V/C	Added Trips	Impact?
Calle Real – U.S. 101 NB Ramps/ Winchester Canyon Road	10.1	В	0	No
Calle Real/Cathedral Oaks Road	11.5	В	0	No
U.S. 101 SB Ramps/Cathedral Oaks Road	10.2	В	2	No
Hollister Avenue/Cathedral Oaks Road	11.7	В	2	No

Table 9Cumulative + Project Intersection Operations – PM Peak Hour

The data presented in Tables 8 and 9 show that the Project would add a maximum of 5 trips during the AM peak hour and 2 trips during the PM peak hour to the study-area intersections which would operate acceptably at LOS B or better with Cumulative volumes. The Project would not generate significant cumulative impacts based on City of Goleta thresholds.

CONGESTION MANAGEMENT PROGRAM ANALYSIS

The Santa Barbara County Association of Governments (SBCAG) has developed a set of traffic impact thresholds to assess the impacts of land use decisions made by local jurisdictions on regional transportation facilities located within the Congestion Management Program (CMP) roadway system. According to the CMP Land Use Analysis Program, projects that generate less than 500 ADT and less than 50 peak hour trips are considered to be consistent with the CMP. The Goleta Fire Station 10 Project would generate 29 ADT, 7 AM peak hour trips and 2 PM peak hour trips. The Project would not impact the CMP facilities in the area.

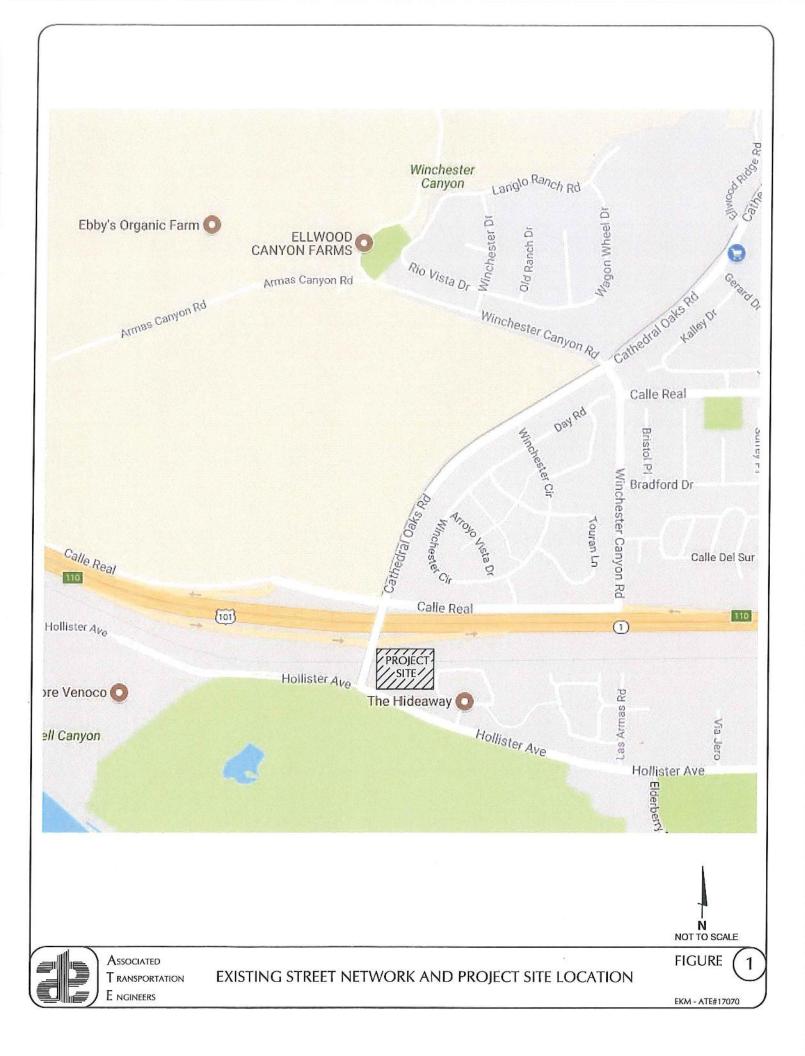
This concludes our traffic impact analysis for the Goleta Fire Station 10 Project.

Associated Transportation Engineers

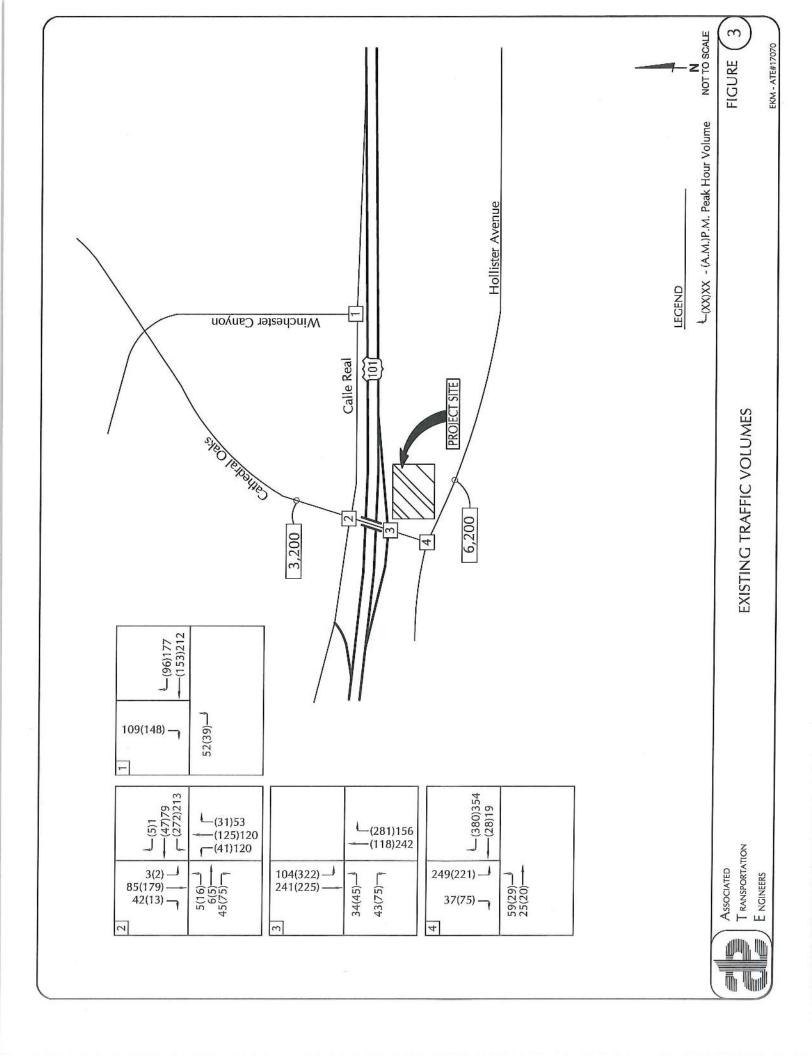
Scott A. Schell, AICP, PTP Principal Transportation Planner

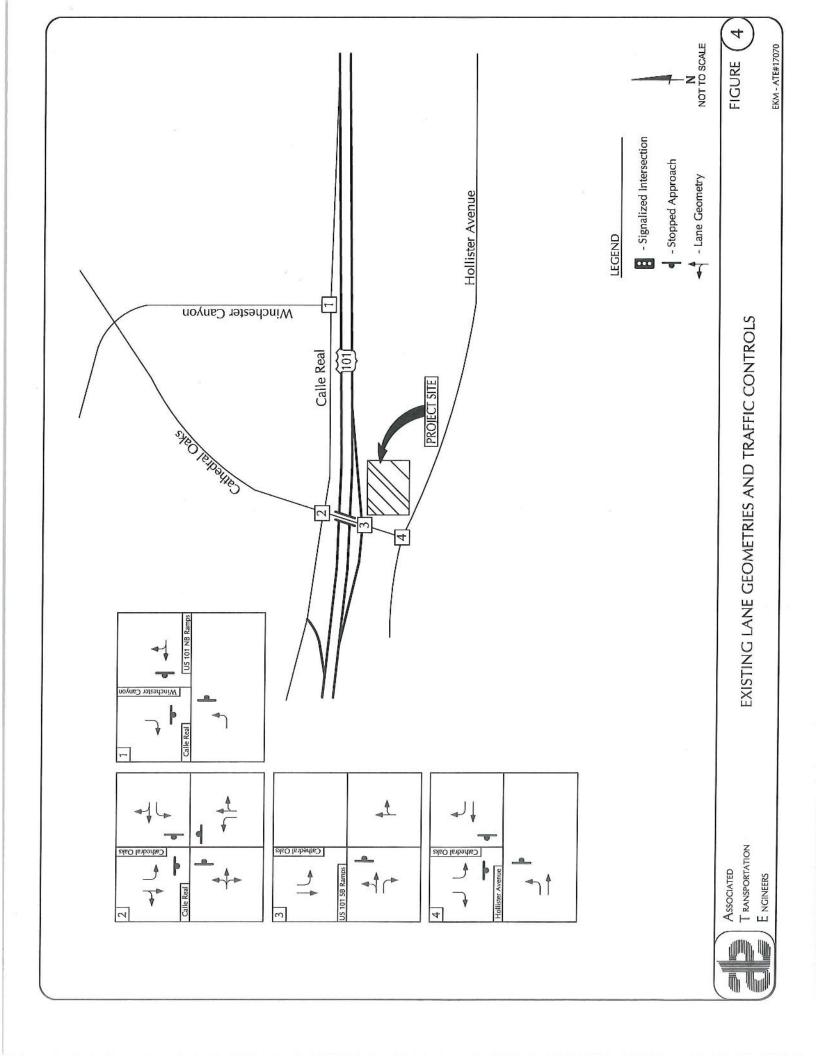
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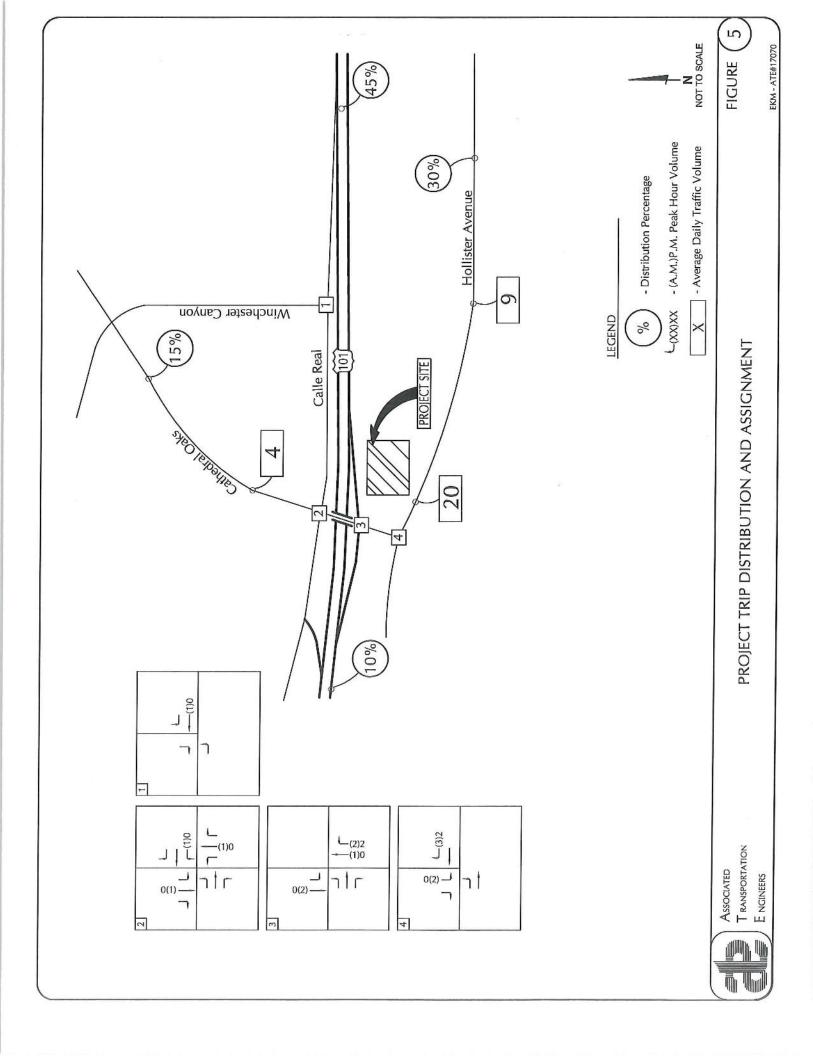
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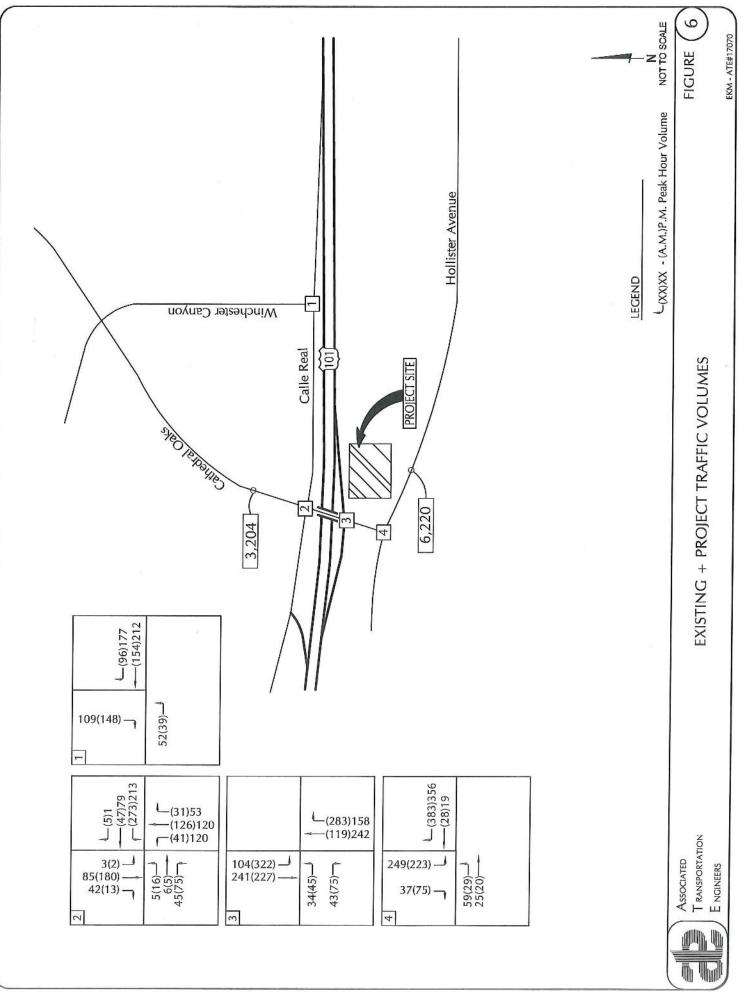




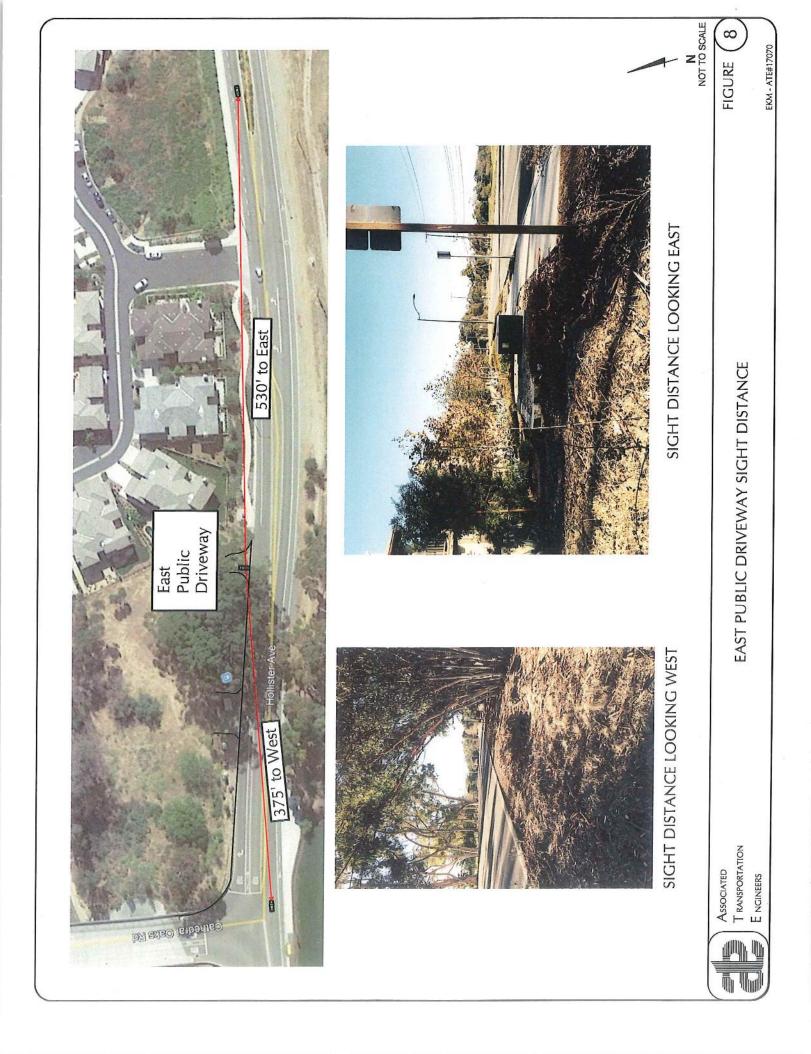


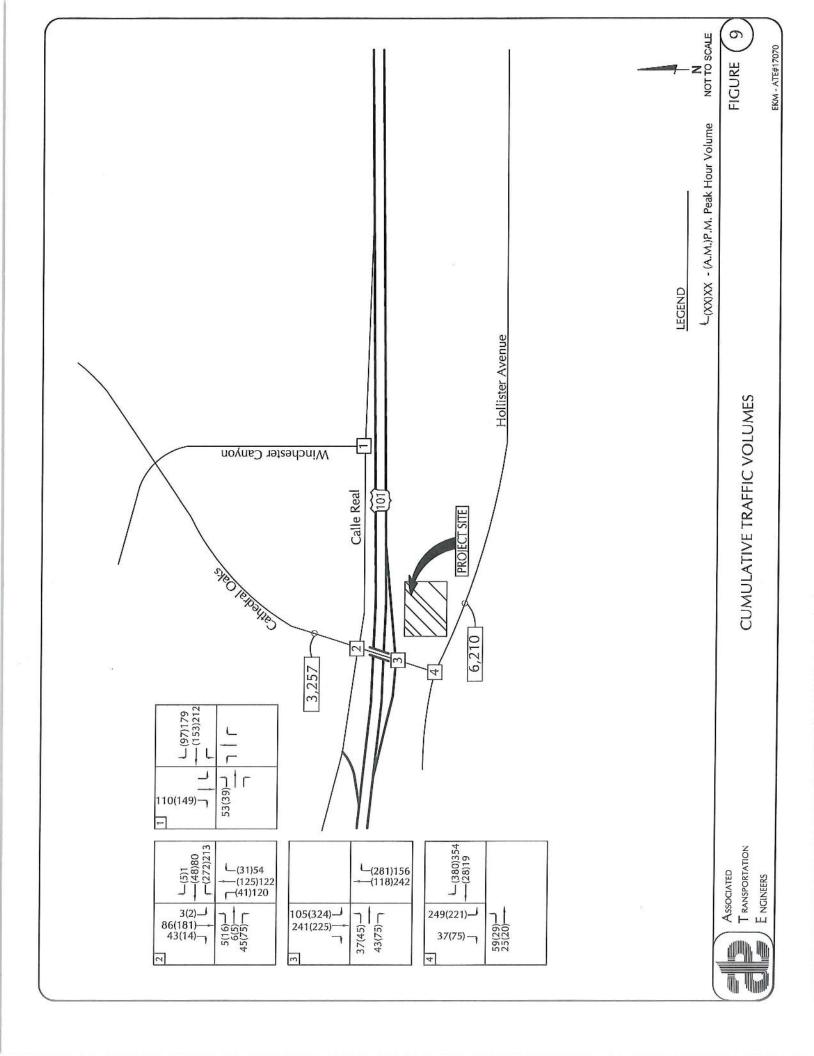


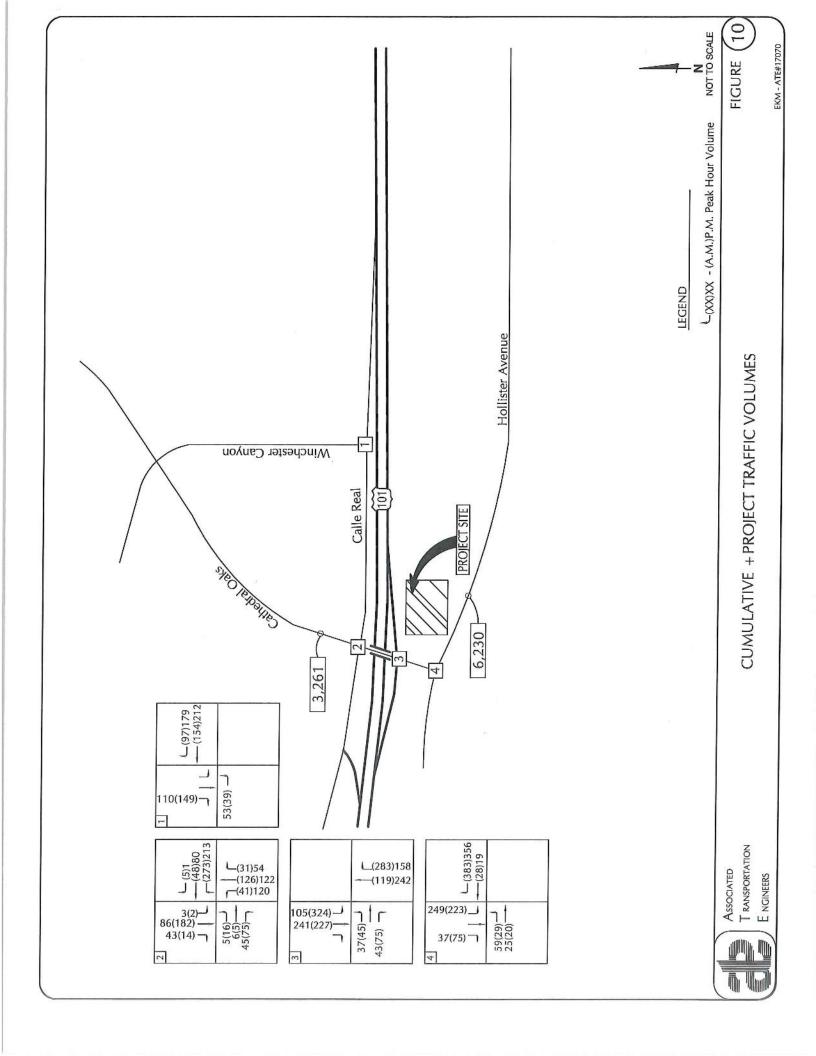












Associated Transportation Engineers #17070 - Fire Station No. 10 9/8/2017

Project Trip Generation Worksheet

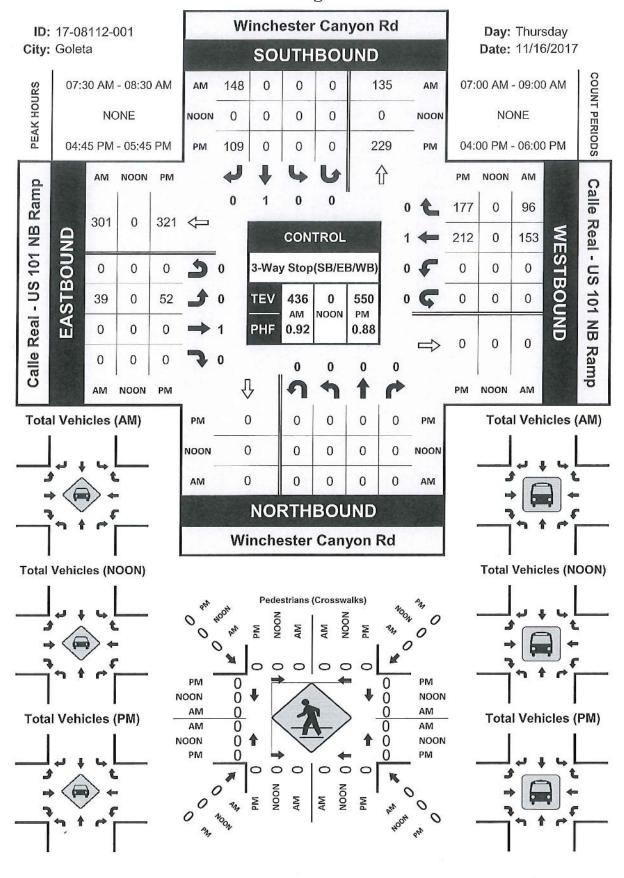
Component	Unit	ADT	AM Peak Hour	PM Peak Hour
Staff Trips	3 Staff	9	9	0
Fire Engine Calls	5 Calls	10	1	Ч
Misc. Trips	3 Trips	9	0	0
Public Meeting Room	13 /month	7	0	Ļ
Total		29	7	2
Trine beend on energyional data	~			

Trips based on operational data

Weekday Public Meeting Room ADT Calculations

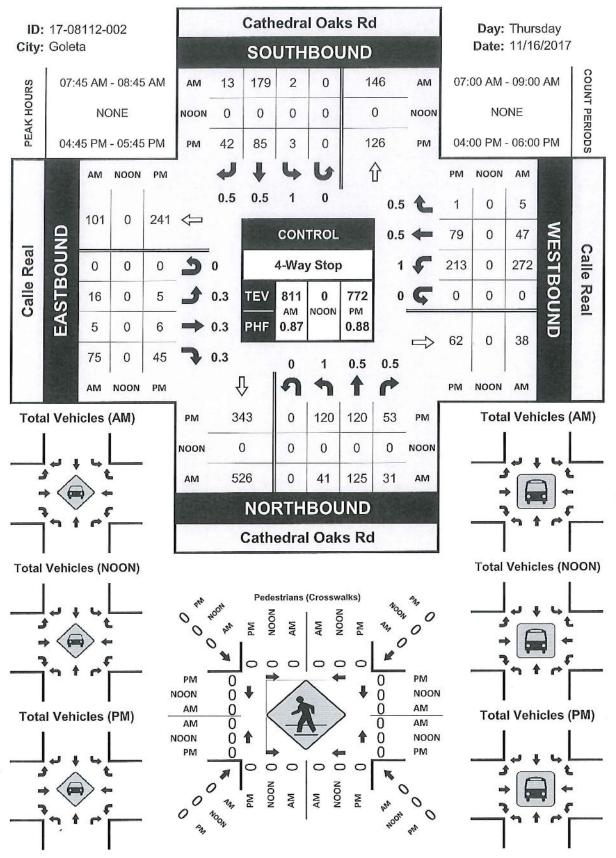
Meeting Type	# of meetings	# of trips	ADT	Monthly ADT
Fire Department Training	4 /month	2 cars	4	16
City Staff Meetings	1 /month	7 cars	14	14
Small Public Meetings	4 /month	7 cars	14	56
Certificate Training	4 /month	7 cars	14	56
Total	13 /month			142
Average		142 ADT / 21 weekdays/month =	kdays/month =	7

Winchester Canyon Rd & Calle Real - US 101 NB Ramp



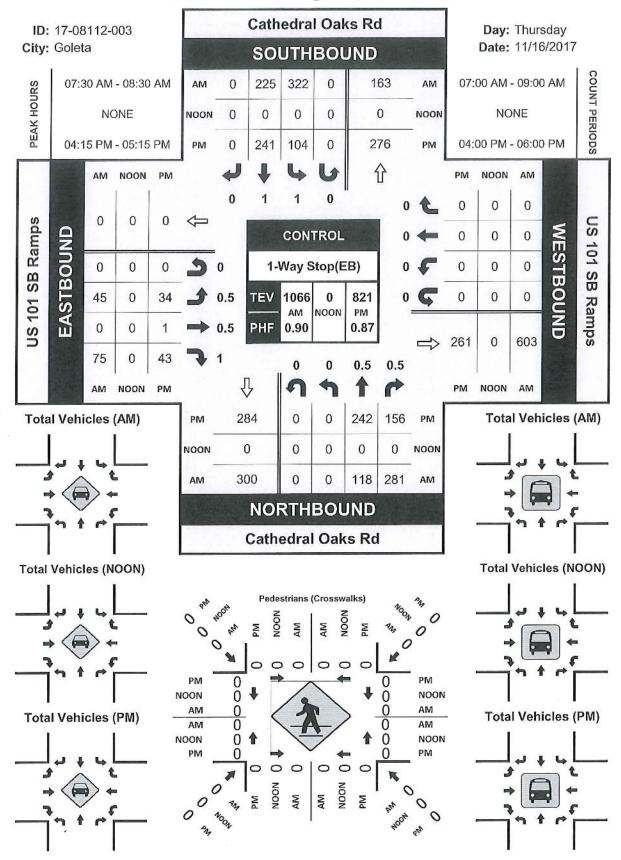
Prepared by National Data & Surveying Services

Cathedral Oaks Rd & Calle Real



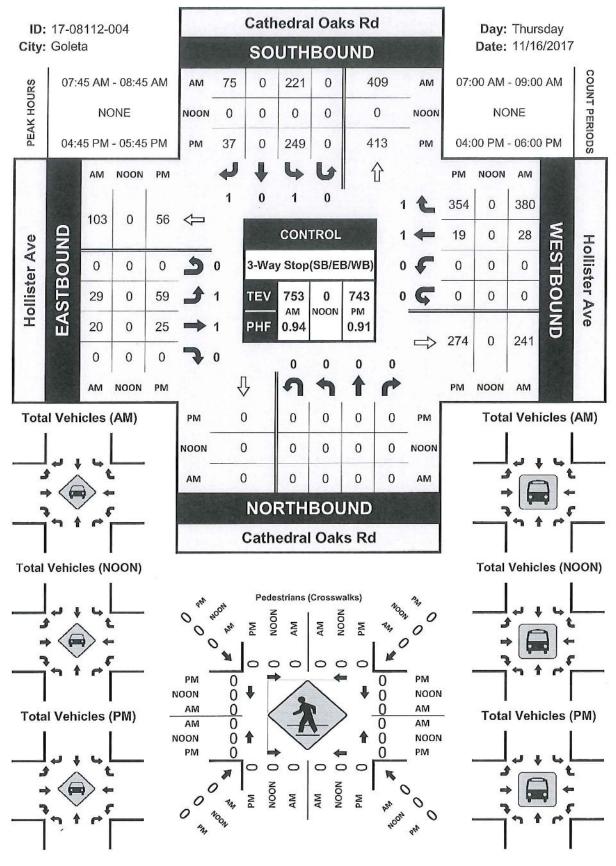
Prepared by National Data & Surveying Services

Cathedral Oaks Rd & US 101 SB Ramps



Prepared by National Data & Surveying Services

Cathedral Oaks Rd & Hollister Ave



Prepared by NDS/ATD VOLUME Cathedral Oaks Rd N/O Calle Real

Day: Thursday Date: 11/16/2017 City: Goleta Project #: CA17_8113_002

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05:45	3 6	6	12 8	29			15 35 14	17:45 18:00	26 19	119	18 27	119				44	238
06:15	4		7				14	18:15	17		23					40	
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08:30	18		41				59	20:30	10		7					17	
08:45	17	87	41	190			58 277	20:45	7	40	14	44				21	84
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						2,300									A THINKING		
AM Peak Hour		07:15		07:15			07:15	PM Peak Hour		16:30		14:45					14:45
AM Pk Volume		191		264			455	PM Pk Volume		130		173					272
Pk Hr Factor		0.663		0.795			0.763	Pk Hr Factor		0.855		0.709	-	1	0	Al and a	0.791
7 - 9 Volume		260		414	0	0	674	4 - 6 Volume		234		255	0		0		489
7 - 9 Peak Hour		07:15		07:15			07:15	4 - 6 Peak Hour		16:30		16:15	0		0		16:15
7 - 9 Pk Volume		191		264	0	0	455	4 - 6 Pk Volume		130		142	0		0		268
Pk Hr Factor	MARINE	0.663		0.795	0.000	0.000	0.763	Pk Hr Factor		0.855		0.789	0.000		0.000		0.905

		Design	Capacity	LOS C T	hreshold ¹
Classification	Purpose and Design Factors	2 Lane	4 Lane	2 Lane	4 Lane
Primary 1	Roadways designed to serve primarily non-residential development. Roadways would have a minimum of 12-foot wide lanes with shoulders and few curb cuts. Signals would be spaced at 1 mile or more intervals.	19,900	47,760	15,900	38,200
Primary 2	Roadways which serve a high proportion of non-residential development with some residential lots and few or no driveway curb cuts. Lane widths are a minimum of 12 feet with well spaced curb cuts. Signals intervals at a minimum of 1/2 mile.	17,900	42,480	14,300	34,000
Primary 3	Roadways designed to serve non- residential development and residential development. More frequent driveways are acceptable. Potential signal intervals of 1/2-1/4 mile.	15,700	37,680	12,500	30,100
Secondary 1	Roadways designed to primarily serve non-residential development and large lot residential development with well spaced driveways. Roadways would be 2 lanes with infrequent driveways. Signal would generally occur at intersections with primary roads.	11,600	NA	9,300	ser NA
Secondary 2	Roadways designed to serve residential and non-residential land uses. Roadways would be 2 lanes with close to moderately spaced driveways.	9,100	NA	7,300	NA
Secondary 3	Roadways designed to primarily serve residential with small to medium lots. Roadways are 2 lanes with more frequent driveways.	7,900	NA	6,300	NA

Table 1 Goleta Roadway Classifications

¹ Defined as 80% of Design Capacity. Source: Santa Barbara County Public Works, Transportation Division.

Signalized Intersection Level of Service Definitions

LOS	Delay (a)	V/C Ratio	Definition
A	< 10.0	< 0.60	Progression is extremely favorable. Most vehicles arrive during the green phase. Many vehicles do not stop at all.
В	10.1 - 20.0	0.61 - 0.70	Good progression, short cycle lengths, or both. More vehicles stop than with LOS A, causing higher levels of delay.
С	20.1 - 35.0	0.71 - 0.80	Only fair progression, longer cycle lengths, or both, result in higher cycle lengths. Cycle lengths may fail to serve queued vehicles, and overflow occurs. Number of vehicles stopped is significant, though many still pass through intersection without stopping.
D	35.1 - 55.0	0.81 - 0.90	Congestion becomes more noticeable. Unfavorable progression, long cycle lengths and high v/c ratios result in longer delays. Many vehicles stop, and the proportion of vehicles not stopping declines. Individual cycle failures are noticeable.
E	55.1 - 80.0	0.91 - 1.00	High delay values indicate poor progression, long cycle lengths and high v/c ratios. Individual cycle failures are frequent
F	> 80.0	> 1.00	Considered unacceptable for most drivers, this level occurs when arrival flow rates exceed the capacity of lane groups, resulting in many individual cycle failures. Poor progression and long cycle lengths may also contribute to high delay levels.

(a) Average control delay per vehicle in seconds.

Unsignalized Intersection Level of Service Definitions

The HCM¹ uses *control delay* to determine the level of service at unsignalized intersections. Control delay is the difference between the travel time actually experienced at the control device and the travel time that would occur in the absence of the traffic control device. Control delay includes deceleration from free flow speed, queue move-up time, stopped delay and acceleration back to free flow speed.

LOS	Control Delay Seconds per Vehicle
A	< 10.0
В	10.1 - 15.0
С	15.1 - 25.0
D	25.1 - 35.0
E	35.1 - 50.0
F	> 50.0

¹ Highway Capacity Manual, National Research Board, 2010



ASSOCIATED TRANSPORTATION ENGINEERS

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General Information			11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Site Inform	nation				
Analyst	EKM			Intersection		01 AI	И		
Agency/Co.	ATE			Jurisdiction			OF GOLETA		
Date Performed		/2017		Analysis Year		2017	2017		
Analysis Time Period	AMP	EAK HOUR			internation for		a the start of the		
Project ID FIRE STATION 10	and the second se								
East/West Street: CALLE R				North/South S	treet: WINCHE	STER CANYO	N		
Volume Adjustments	and Site C	haracteri	Contraction of the local division of the loc						
Approach			Eastbound			We	stbound		
Movement	3		т 6	R 45	213		т 153	R 96	
Volume (veh/h)		9	0	40	213		153	96	
%Thrus Left Lane			Newtherest						
Approach Movement	1		Northbound T	R	L	Sou	thbound T	R	
Volume (veh/h)	12		120	53	3		85	148	
%Thrus Left Lane			120					110	
	1 -				1				
		tbound		stbound	-	bound		bound	
	L1	L2	L1	L2	L1	L2	L1	L2	
Configuration	L		TR				R		
PHF	0.92		0.92				0.92		
Flow Rate (veh/h)	42		270				160		
% Heavy Vehicles	2		2				2		
lo. Lanes		1		1	0			1	
Geometry Group		1		1				1	
Duration, T		and the second second		0.	25	a second		Land Land	
Saturation Headway	Adjustment	Workshe	et						
Prop. Left-Turns	1.0	T	0.0	T			0.0	1	
Prop. Right-Turns	0.0		0.4				1.0		
and the second			0.0						
Prop. Heavy Vehicle	0.0	0.0					0.0	0.0	
nLT-adj	0.2	0.2	0.2	0.2			0.2	0.2	
nRT-adj	-0.6	-0.6	-0.6	-0.6			-0.6	-0.6	
HV-adj	1.7	1.7	1.7	1.7			1.7	1.7	
adj, computed	0.2	15	-0.2				-0.6		
Departure Headway a	nd Service	Time				Sec. 10.			
id, initial value (s)	3.20		3.20				3.20		
, initial	0.04		0.24				0.14		
id, final value (s)	4.76		4.10	1			4.02		
, final value	0.056		0.308				0.179		
/love-up time, m (s)		.0	1	2.0			2.	0	
Service Time, t _s (s)	2.8	T	2.1				2.0		
Capacity and Level of				1				L	
apacity and Level of	1								
		bound	Wes	stbound	North	ound	South	bound	
	L1	L2	L1	L2	L1	L2	L1	L2	
apacity (veh/h)	700		871				889		
elay (s/veh)	8.0		8.9				7.9		
DS	A		A	1			A		
				1	l				
pproach: Delay (s/veh)		8.0		3.9			7.		
LOS		A		A			A		
tersection Delay (s/veh)		-		8.	5				
tersection LOS			the state of the second se	A		Contraction of the local sectors of the local secto			

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General Information				Site Inforn	nation	La contra de la co	and the second second		
Analyst	EKM			Intersection		01_PI			
Agency/Co.	ATE			Jurisdiction			Y OF GOLETA		
Date Performed	11/28			Analysis Year		2017			
Analysis Time Period		EAK HOUR						<u>مى بىرىكى</u>	
Project ID FIRE STATION 10	And the second se			-					
East/West Street: CALLE R		1 1 ann 2		North/South St	reet: WINCHE	STER CANYO	N		
Volume Adjustments	s and Site C				-			_	
Approach Movement			Eastbound T	R	L	We	stbound	R	
Volume (veh/h)	5		6	45	213	-	212	177	
%Thrus Left Lane		-							
Approach	_		Northbound		-	Sou	thbound		
Movement	L		т	R	L	1	тІ	R	
Volume (veh/h)	12	20	120	53	3		85	109	
%Thrus Left Lane								1000	
	Eas	tbound	We	stbound	North	bound	Sout	hbound	
	L1	L2	L1	L2	L1	L2	L1	L2	
Configuration					L1		R		
Configuration PHF			0.88				1.00		
PHF Flow Rate (veh/h)	0.88		441				100		
	2		2				2		
% Heavy Vehicles No. Lanes		1		1	0			1	
Geometry Group		1	+	1	0		-	1	
Duration, T		1		0.2	25				
Saturation Headway	Adjustment	Workshe	of	0.2	.0		And the second second		
Prop. Left-Turns	1.0	I	0.0	1			0.0	1	
Prop. Right-Turns			0.5				1.0		
and the second damage of the	0.0								
Prop. Heavy Vehicle	0.0	0.0	0.0				0.0	0.0	
nLT-adj	0.2	0.2	0.2	0.2			0.2	0.2	
nRT-adj	-0.6	-0.6	-0.6	-0.6			-0.6	-0.6	
nHV-adj	1.7	1.7	1.7	1.7		_	1.7	1.7	
nadj, computed	0.2	1.1.1	-0.2				-0.6		
Departure Headway	and Service	Time							
nd, initial value (s)	3.20		3.20				3.20		
r, initial	0.05		0.39				0.10		
nd, final value (s)	4.83		3.99				4.40		
, final value	0.079		0.489				0.133		
/love-up time, m (s)	2	.0	2	2.0			2.	0	
Service Time, t _s (s)	2.8		2.0				2.4		
Capacity and Level o	f Service								
		bound	Wes	tbound	North	ound	South	bound	
	L1	L2	L1	L2	L1	L2	L1	L2	
Capacity (veh/h)	738		900				838		
Delay (s/veh)	8.2		10.7				8.1		
			-		the second				
.OS	A		В				A		
Approach: Delay (s/veh)		8.2		0.7			8.	1	
LOS		А		В			l A	1	
			and the second sec	10.0					

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General Information				Site Inform	ation				
Analyst	EKM			Intersection		01_AN	1_CU		
Agency/Co.	ATE			Jurisdiction		Contraction of the local division of the loc	Y OF GOLETA		
Date Performed	11/28			Analysis Year		2017			
Analysis Time Period		EAK HOUR							
Project ID FIRE STATION 10 #									
East/West Street: CALLE RE				North/South St	reet: WINCHE	STER CANYO	V		
/olume Adjustments	and Site C								
Approach			Eastbound T		L	Wes	stbound	R	
/ovement /olume (veh/h)	L 3		6	R 45	213		153	97	
%Thrus Left Lane			0	40	210		100		
Approach			Northbound			Sout	hbound		
Novement	L		T	R	L		T I	R	
/olume (veh/h)	12	20	120	53	3		85	149	
6Thrus Left Lane									
	E co	tbound		stbound	North	bound	South	nbound	
		T		1				1	
	L1	L2	L1	L2	L1	L2	L1	L2	
Configuration	L		TR		11		R		
PHF	0.92		0.92				0.92	<u> </u>	
low Rate (veh/h)	42		271				161		
6 Heavy Vehicles	2		2				2		
lo. Lanes		1		1	0			1	
Beometry Group		1	_	1	_	-		1	
Ouration, T		and the second second		0.2	25				
Saturation Headway A	djustment	Workshe	et						
rop. Left-Turns	1.0		0.0				0.0		
rop. Right-Turns	0.0		0.4				1.0		
rop. Heavy Vehicle	0.0		0.0	1			0.0		
LT-adj	0.2	0.2	0.2	0.2			0.2	0.2	
RT-adj	-0.6	-0.6	-0.6	-0.6			-0.6	-0.6	
HV-adj	1.7	1.7	1.7	1.7			1.7	1.7	
adj, computed	0.2		-0.2				-0.6		
		Time	0.2				0.0	<u> </u>	
Departure Headway and	And the second se	Time	1 2 20	1			2.00	1	
d, initial value (s)	3.20		3.20				3.20 0.14	<u> </u>	
, initial	0.04		0.24				Contract of the second s		
d, final value (s)	4.77		4.10 0.309				4.02 0.180	<u> </u>	
, final value	0.056	0	the state of the s					0	
love-up time, m (s)	111111	.0		2.0				ř	
ervice Time, t _s (s)	2.8		2.1		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		2.0		
apacity and Level of	Service								
	East	bound	Wes	tbound	North	bound	South	bound	
	L1	L2	L1	L2	L1	L2	L1	L2	
apacity (veh/h)	700	1	874		7697		894	<u> </u>	
and the second sec			and the second sec				7.9		
elay (s/veh)	8.0		8.9						
OS	A		A				A		
pproach: Delay (s/veh)		8.0	8	.9				.9	
LOS		A		A			ŀ	4	

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General Information			1.1.1.1.1.1.1	Site Inform	nation				
Analyst	EKM			Intersection		01_PI	A CU		
Agency/Co.	ATE		and the second second	Jurisdiction			Y OF GOLETA		
Date Performed	11/28/2	2017		Analysis Year		2017		1.1.1	
Analysis Time Period	PM PE	AK HOUR							
Project ID FIRE STATION 10	# 17070								
East/West Street: CALLE RI	EAL- US 101 NB	RAMPS		North/South St	treet: WINCHES	STER CANYO	N		
Volume Adjustments	and Site Ch	aracteris	tics						
Approach			Eastbound			We	stbound		
Movement	L		T	R	L	_	T	R	
Volume (veh/h)	53		6	45	213		212	179	
%Thrus Left Lane					_				
Approach Movement	L	1	Northbound	R	L	Sou	thbound T	R	
Volume (veh/h)	120	2	120	53	3		85	110	
%Thrus Left Lane	120		120	00				110	
	- <u>I</u>				Contraction of the second				
	East	ound		stbound	North			nbound	
	L1	L2	L1	L2	L1	L2	L1	L2	
Configuration	L		TR				R		
PHF	0.88		0.88				1.00		
Flow Rate (veh/h)	60		443				110		
% Heavy Vehicles	2		2				2		
No. Lanes	1			1	0		1	1	
Geometry Group	1		T	1			1	1	
Duration, T				0.2	25				
Saturation Headway	Adjustment	Workshee	et						
Prop. Left-Turns	1.0		0.0				0.0		
Prop. Right-Turns	0.0		0.5				1.0		
Prop. Heavy Vehicle	0.0		0.0	10000			0.0		
LT-adj	0.0	0.2	0.0	0.2			0.0	0.2	
	-0.6	-0.6	-0.6	-0.6			-0.6	-0.6	
nRT-adj								-	
HV-adj	1.7	1.7	1.7	1.7			1.7	1.7	
adj, computed	0.2		-0.2				-0.6		
Departure Headway a	nd Service	lime 🛛							
id, initial value (s)	3.20		3.20			-	3.20		
, initial	0.05		0.39				0.10		
d, final value (s)	4.83		3.99				4.40		
, final value	0.081		0.491				0.135		
/love-up time, m (s)	2.0)	2	.0			2.	0	
Gervice Time, t _s (s)	2.8		2.0				2.4		
Capacity and Level of									
apaony and sever of	1	ound	14/	lbound	Northb	ound	C	bound	
	Eastb	and a second	-	7				bound	
	L1	L2	L1	L2	L1	L2	L1	L2	
apacity (veh/h)	750		904				846		
elay (s/veh)	8.3		10.8				8.1		
OS	A		В				А		
pproach: Delay (s/veh)		.3		0.8	L		8.	1	
		The second s		л.о В					
LOS	· · · · · · · · · · · · · · · · · · ·	4	<u> </u>		1		A		
tersection Delay (s/veh)				10.				the states	
tersection LOS	Florida, All Right			В	^A Version 5.6	1	enerated: 12/1/	19. The late	

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General Information				Site Infor	mation			
Analyst	EKM			Intersection		02_A	М	
Agency/Co.	ATE			Jurisdiction		Contraction of the local division of the loc	OF GOLETA	
Date Performed		/2017		Analysis Yea	r	2017		-
Analysis Time Period	PMP	EAK HOUR						
Project ID FIRE STATION 10								
East/West Street: CALLE RI				North/South S	Street: CATHE	DRAL OAKS		
Volume Adjustments	and Site C	haracteris	And the second se					
Approach			Eastbound T	R	-	We	stbound	R
Movement Volume (veh/h)	1		5	75	272	,	47	5
%Thrus Left Lane	-			10	412	·		0
Approach			Northbound			Sol	Ithbound	
Movement	L		T I	R	L		T	R
/olume (veh/h)	4	1	125	31	2		179	13
%Thrus Left Lane							-	
	Fac	tbound	Wes	stbound	Nort	hbound	Sout	hbound
	-	1		1		1		L2
		L2	L1	L2	L1	L2	L1	
Configuration	LTR	+	L	TR	L	TR	L	TR
PHF	0.87		0.87	0.87	0.87	0.87	0.87	0.87
low Rate (veh/h)	109		312	59	47	178	2	219
% Heavy Vehicles	2	ļ	2	2	0	0	2	2
No. Lanes		1		2		2		2
Geometry Group	4	lb		5		5	š	5
Duration, T				0.	.25			
Saturation Headway	Adjustment	Workshe	et					
Prop. Left-Turns	0.2		1.0	0.0	1.0	0.0	1.0	0.0
Prop. Right-Turns	0.8		0.0	0.1	0.0	0.2	0.0	0.1
Prop. Heavy Vehicle	0.0		0.0	0.0	0.0	0.0	0.0	0.0
hLT-adj	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5
RT-adj	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
iHV-adj	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
adj, computed	-0.4		0.5	-0.0	0.5	-0.1	0.5	-0.0
Departure Headway a		Time			0.0			
id, initial value (s)	3.20	I	3.20	3.20	3.20	3.20	3.20	3.20
, initial	0.10		0.28	0.05	0.04	0.16	0.00	0.19
d, final value (s)	6.10		6.55	5.99	6.90	6.26	6.93	6.38
, final value (s)	0.185		0.568	0.098	0.90	0.20	0.93	0.38
love-up time, m (s)		.3	and the second se	.3	statement in which the party of the local division in which the party of the local division in which the party of the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local division is not the local division in which the local divisi	.3	2.	-
			4.3			4.0	4.6	4.1
ervice Time, t _s (s)	3.8		4.3	3.7	4.6	4.0	4.0	4.1
Capacity and Level of	Service							
	East	bound	Wes	tbound	Norti	nbound	South	bound
	L1	L2	L1	L2	L1	L2	L1	L2
apacity (veh/h)	606		547	590	522	574	0	562
elay (s/veh)	10.2	1	17.5	9.3	10.3 .	11.7	9.7	13.1
OS	B		C	1	B	B		B
and the second		L		A		1	A	
pproach: Delay (s/veh)	1	0.2		6.2		1.4		8.0
LOS		В		0		3	E	3
tersection Delay (s/veh)				13	3.6			
tersection LOS					В			

General Information		1. C.		Site Infor	mation			
Analyst	EKM			Intersection		02 E	X PM	
Agency/Co.	ATE			Jurisdiction		and the second se	OF GOLETA	1
Date Performed	and the second se	3/2017		Analysis Yea	r	2017		
Analysis Time Period	PM F	EAK HOUR						1.
Project ID FIRE STATION 10	# 17070		-					
East/West Street: CALLE RI	EAL			North/South S	Street: CATHE	DRAL OAKS		
Volume Adjustments	and Site C	haracteris	stics					
Approach		maraotoria	Eastbound		1	We	stbound	
Movement	1		Т	R	L	1	Т	R
Volume (veh/h)	1 4	5	6	45	213	3	79	1
%Thrus Left Lane								
Approach			Northbound		Î	Sou	Ithbound	
Movement	L	and the second se	T	R	L		Т	R
Volume (veh/h)	1:	20	120	53	3		85	42
%Thrus Left Lane			T					
	Fac	stbound	We	stbound	Nor	hbound	Sout	hbound
				1				T
	L1	L2	L1	L2	L1	L2	L1	L2
Configuration	LTR		L	TR	L	TR	L	TR
PHF	0.88	-	0.88	0.88	0.88	0.88	0.88	0.88
Flow Rate (veh/h)	62		242	90	136	196	3	143
% Heavy Vehicles	2		2	2	0	0	2	2
No. Lanes		1		2		2		2
Geometry Group		4b		5		5	1	5
Duration, T				0	.25			
Saturation Headway	Adiustmen	t Workshe	et					
Prop. Left-Turns	0.1	T	1.0	0.0	1.0	0.0	1.0	0.0
Prop. Right-Turns	0.8		0.0	0.0	0.0	0.3	0.0	0.3
Prop. Heavy Vehicle	0.0		0.0	0.0	0.0	0.0	0.0	0.0
nLT-adj	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5
nRT-adj	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
nHV-adj	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
nadi, computed	-0.4	-	0.5	0.0	0.5	-0.2	0.5	-0.2
<i>"</i>		Time				0.12		
Departure Headway a	and the second se		1 0.00	1 0.00	1 0.00	1 0.00	1 0.00	1 0.00
nd, initial value (s)	3.20		3.20	3.20	3.20	3.20	3.20	3.20
c, initial	0.06		0.22	0.08	0.12	0.17	0.00	0.13
nd, final value (s)	5.87		6.43	5.92	6.42	5.70	6.72	5.98
, final value	0.101		0.432	0.148	0.242	0.310	0.006	0.238
Nove-up time, m (s)	2	2.3	2	2.3	2	.3		.3
Service Time, t _s (s)	3.6		4.1	3.6	4.1	3.4	4.4	3.7
Capacity and Level of	Service							
supuony and Level 0	T	1		athound	N	bbound		abound
		tbound		stbound		hbound		hbound
	L1	L2	L1	L2	L1	L2	L1	L2
Capacity (veh/h)	620		563	600	567	632	300	596
Delay (s/veh)	9.2	1	13.9	9.6	11.2	10.9	9.5	10.5
			B	-	B			B
OS		A		A		В	A	
pproach: Delay (s/veh)		9.2		2.8	1	1.0		0.5
LOS	A			В		В	E	3
ntersection Delay (s/veh)				1	1.5		2 - 1.2	
tersection LOS	1				B			

General Information				Site Infor	nation					
	EKM			Intersection		02 AI	N CU			
Analyst Agency/Co.	ATE			Jurisdiction	n - an - a da - a da - a da		OF GOLETA	united and a straight		
Date Performed	11/28	2017		Analysis Yea	r	2017				
Analysis Time Period	PM PI	EAK HOUR					_			
Project ID FIRE STATION 10	# 17070									
East/West Street: CALLE R	EAL			North/South S	street: CATHE	DRAL OAKS				
Volume Adjustments	and Site C	haracteris	tics							
Approach	1		Eastbound			We	stbound			
Movement	L		Т	R	L		Т	R		
Volume (veh/h)	1	6	5	75	272	?	48	5		
%Thrus Left Lane										
Approach	T		Northbound			Sou	thbound			
Movement	L		Т	R	L		T	R		
/olume (veh/h)	4	1	125	31	2		181	14		
%Thrus Left Lane					(A. 1.1)		12			
	Eas	bound	Wes	stbound	Nort	hbound	Sout	hbound		
	L1	L2	L1	L2	L1	L2	L1	L2		
Configuration				TR		TR		TR		
Configuration	LTR			-						
PHF	0.87		0.87	0.87	0.87	0.87	0.87	0.87		
Flow Rate (veh/h)	109		312	60	47	178	2	224		
% Heavy Vehicles	2		2	2	0	0		2		
No. Lanes	_	1		2		2		2		
Geometry Group	4	b		5		5		5		
Duration, T				0.	25					
Saturation Headway	Adjustment	Workshe	et				a dia tanàn			
Prop. Left-Turns	0.2		1.0	0.0	1.0	0.0	1.0	0.0		
Prop. Right-Turns	0.8		0.0	0.1	0.0	0.2	0.0	0.1		
Prop. Heavy Vehicle	0.0		0.0	0.0	0.0	0.0	0.0	0.0		
		0.0		-		0.5	0.5	0.5		
nLT-adj	0.2	0.2	0.5	0.5	0.5			-		
RT-adj	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7		
HV-adj	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7		
adj, computed	-0.4		0.5	-0.0	0.5	-0.1	0.5	-0.0		
Departure Headway a	and Service	Time								
id, initial value (s)	3.20	1	3.20	3.20	3.20	3.20	3.20	3.20		
, initial	0.10	1	0.28	0.05	0.04	0.16	0.00	0.20		
id, final value (s)	6.12	1	6.57	6.01	6.92	6.27	6.94	6.38		
, final value	0.185	1	0.570	0.100	0.090	0.310	0.004	0.397		
Nove-up time, m (s)		.3		2.3		2.3		.3		
		1		1	4.6	4.0	4.6	4.1		
Service Time, t _s (s)	3.8		4.3	3.7	4.0	4.0	4.0	4.1		
Capacity and Level o	f Service									
	East	bound	Wes	stbound	Nort	hbound	Sout	hbound		
	L1	L2	L1	L2	L1	L2	L1	L2		
Consoity (ush/h)	574			600	522	574	0	560		
Capacity (veh/h)			547					10.00		
)elay (s/veh)	10.2		17.6 C	9.4	10.3	11.8	9.7	13.2		
OS	В	В		A	В	В	A	В		
pproach: Delay (s/veh)		10.2	1	6.3	1	1.5	13	3.2		
LOS	B			С		B				
ntersection Delay (s/veh)	+	5			3.7	-	<u>.</u>			
neisection Deidy (S/Ven)				1.		C. Anna and the second second	and the second sec			

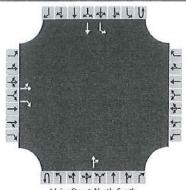
General Information				Site Inform	nation				
Analyst	EKM			Intersection		02 PI	M CU		
Agency/Co.	ATE			Jurisdiction		CITY	OF GOLETA		
Date Performed	11/28			Analysis Year	ſ	2017			
Analysis Time Period	PMP	EAK HOUR				and the second second		_	
Project ID FIRE STATION 10	0 # 17070								
East/West Street: CALLE R	EAL			North/South S	treet: CATHE	DRAL OAKS			
Volume Adjustments	s and Site C	haracteris	tics						
Approach			Eastbound			We	stbound		
Movement Volume (veh/h)	L	and the second se	т 6	R 45	213	2	т 80	R 1	
%Thrus Left Lane		,	0	40	210	,	00	,	
			Northbound		-	Sou	thbound		
Approach Movement	L		T	R	L	300	T I	R	
Volume (veh/h)	12	20	122	54	3		86	43	
%Thrus Left Lane									
	1	thound	14/-	stbound	Nort	hbound	Sout	hbound	
		tbound	_		-			1	
	L1	L2	L1	L2	L1	L2	L1	L2	
Configuration	LTR		L	TR	L	TR	L	TR	
PHF	0.88		0.88	0.88	0.88	0.88	0.88	0.88	
Flow Rate (veh/h)	62		242	91	136	199	3	145	
% Heavy Vehicles	2		2	2	0	0	2	2	
No. Lanes		1		2		2		2	
Geometry Group	4	1b		5	and the second data in the secon	5		5	
Duration, T				0.	25				
Saturation Headway	Adjustment	Workshe	et						
Prop. Left-Turns	0.1		1.0	0.0	1.0	0.0	1.0	0.0	
Prop. Right-Turns	0.8		0.0	0.0	0.0	0.3	0.0	0.3	
Prop. Heavy Vehicle	0.0		0.0	0.0	0.0	0.0	0.0	0.0	
nLT-adj	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	
nRT-adj	-0.6	-0.6	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	
nHV-adj	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
adj, computed	-0.4		0.5	0.0	0.5	-0.2	0.5	-0.2	
		Time	0.0	0.0	0.0	0.2	0.0	0.2	
Departure Headway		T	1 2 00	1 2 00	1 2 00	1 2 20	1 2 20	1 2 20	
nd, initial value (s)	3.20		3.20	3.20	3.20 0.12	3.20	3.20	3.20 0.13	
t, initial	0.06		0.22	0.08	and the second se	0.18	of the local division of the local divisiono	5.99	
nd, final value (s)	5.89		6.44	5.93	6.42 0.243	5.70 0.315	6.73 0.006	0.241	
t, final value	0.101	.3	0.433	0.150		.3	the second se	.3	
Move-up time, m (s)	the same of the	.5			and the second	T		1	
Service Time, t _s (s)	3.6		4.1	3.6	4.1	3.4	4.4	3.7	
Capacity and Level o	f Service								
	East	bound	Wes	stbound	North	hbound	Sout	hbound	
	L1	L2	L1	L2	L1	L2	L1	L2	
Capacity (veh/h)	620		563	607	567	622	300	604	
				9.7	11.2	11.0	9.5	10.6	
)elay (s/veh)	9.3		14.0	-	-	1			
OS	A		В	A	В	В	A	B	
pproach: Delay (s/veh)		9.3		2.8		1.1		0.6	
LOS		A		В		В	B		
ntersection Delay (s/veh)				11	1.5				
tersection LOS				F	3				

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HCS7 Two-Way Stop-Control Report									
General Information		Site Information	Sector Provent						
Analyst	EKM	Intersection	US 101 SB/CATHEDRAL OAKS						
Agency/Co.	ATE	Jurisdiction	CITY OF GOLETA						
Date Performed	11/28/2017	East/West Street	US 101 SB RAMPS						
Analysis Year	2017	North/South Street	CATHEDRAL OAKS						
Time Analyzed	AM PEAK HOUR	Peak Hour Factor	0.92						
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25						
Project Description	EXISTING								



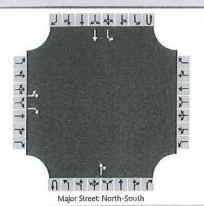
Major Street: North-South

Approach		Eastb	ound			West	bound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority		10	11	12		7	8	9	10	1	2	3	40	4	5	6
Number of Lanes		0	1	1		0	0	0	0	0	1	0	0	1	1	0
Configuration		LT		R								TR		L	Т	
Volume, V (veh/h)		45	0	75							118	281		322	225	
Percent Heavy Vehicles (%)		3	3	3										3		
Proportion Time Blocked																
Percent Grade (%)		()													
Right Turn Channelized		N	0			N	lo			r	lo			N	lo	
Median Type/Storage				Undiv	vided											
Critical and Follow-up H	eadwa	ys														
Base Critical Headway (sec)																
Critical Headway (sec)																
Base Follow-Up Headway (sec)									-							
Follow-Up Headway (sec)										-						
Delay, Queue Length, an	d Leve	l of S	ervice	•										in Andrews		
Flow Rate, v (veh/h)	1	49		82										350		
Capacity, c (veh/h)		439		791										1120		
v/c Ratio		0.11		0.10										0.31		
95% Queue Length, Q35 (veh)		0.4		0.3					1200					1.3		
Control Delay (s/veh)		14.2		10.1										9.7		
Level of Service, LOS		В		В		Sec.			1000	10 S				A		
Approach Delay (s/veh)		11	.6											5.	.7	
Approach LOS		E	3				2.8									

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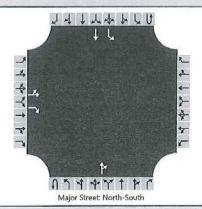
	HCS7 Two-Way Stop-Control Report										
General Information		Site Information	and the second second								
Analyst	EKM	Intersection	US 101 SB/CATHEDRAL OAKS								
Agency/Co.	ATE	Jurisdiction	CITY OF GOLETA								
Date Performed	11/28/2017	East/West Street	US 101 SB RAMPS								
Analysis Year	2017	North/South Street	CATHEDRAL OAKS								
Time Analyzed	PM PEAK HOUR	Peak Hour Factor	0.92								
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25								
Project Description	EXISTING										



Vehicle Volumes and Adjustments Approach Eastbound Westbound Northbound Southbound U Т U Movement U L Т R U L Т R L R L Т R 7 10 2 3 4U 4 5 6 10 11 12 8 9 1 Priority 0 0 0 Number of Lanes 0 1 1 0 0 0 0 1 0 1 1 R TR L Т LT Configuration 43 242 104 241 34 156 Volume, V (veh/h) 1 Percent Heavy Vehicles (%) 3 3 3 3 **Proportion Time Blocked** Percent Grade (%) 0 No No **Right Turn Channelized** No No Undivided Median Type/Storage Critical and Follow-up Headways Base Critical Headway (sec) Critical Headway (sec) Base Follow-Up Headway (sec) Follow-Up Headway (sec) Delay, Queue Length, and Level of Service Flow Rate, v (veh/h) 38 47 113 1120 Capacity, c (veh/h) 384 1341 0.10 v/c Ratio 0.10 0.04 0.3 0.1 95% Queue Length, Q95 (veh) 0.3 Control Delay (s/veh) 15.4 7.8 8.6 Level of Service, LOS с A А 2.6 Approach Delay (s/veh) 11.2 Approach LOS В

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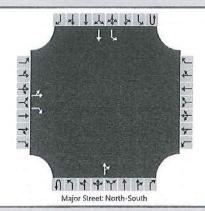
	HCS7 Two-Way Stop-Control Report									
General Information		Site Information								
Analyst	EKM	Intersection	US 101 SB/CATHEDRAL OAKS							
Agency/Co.	ATE	Jurisdiction	CITY OF GOLETA							
Date Performed	11/28/2017	East/West Street	US 101 SB RAMPS							
Analysis Year	2017	North/South Street	CATHEDRAL OAKS							
Time Analyzed	AM PEAK HOUR	Peak Hour Factor	0.92							
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25							
Project Description	CUMULATIVE									



Approach		Eastb	ound			West	bound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	1	1		0	0	0	0	0	1	0	0	1	1	0
Configuration		LT		R								TR		L	Т	
Volume, V (veh/h)		45	0	75				1433	encent.		118	281	2.95	324	225	
Percent Heavy Vehicles (%)		3	3	3										3		
Proportion Time Blocked																
Percent Grade (%)	1	C)													
Right Turn Channelized		N	0			Ν	lo			١	No			N	lo	
Median Type/Storage	1			Undiv	vided											
Critical and Follow-up H	eadway	ys	4													
Base Critical Headway (sec)	TI															
Critical Headway (sec)																
Base Follow-Up Headway (sec)																
Follow-Up Headway (sec)																
Delay, Queue Length, an	d Level	of Se	ervice	•									5			
Flow Rate, v (veh/h)	ΤΓ	49		82										352		
Capacity, c (veh/h)		437		791							100			1120	ar di	
v/c Ratio		0.11		0.10										0.31		
95% Queue Length, Q ₉₅ (veh)		0.4		0.3					-					1.4		
Control Delay (s/veh)		14.3		10.1										9.7		
Level of Service, LOS		В		В										A		
Approach Delay (s/veh)		11	.6											5	.7	
Approach LOS		В					1000						a parte			

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	HC37 1W0-1	Nay Stop-Control Report						
General Information		Site Information						
Analyst	EKM	Intersection	US 101 SB/CATHEDRAL OAKS					
Agency/Co.	ATE	Jurisdiction	CITY OF GOLETA					
Date Performed	11/28/2017	East/West Street	US 101 SB RAMPS					
Analysis Year	2017	North/South Street	CATHEDRAL OAKS					
Time Analyzed	PM PEAK HOUR	Peak Hour Factor	0.92					
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25					
Project Description	CUMULATIVE							



Vehicle Volumes and Ad	justme	ents														
Approach	Τ	Eastb	ound			West	bound		1	North	nbound			South	bound	
Movement	U	L	T	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority		10	11	12		7	8	9	10	1	2	3	4U	4	5	6
Number of Lanes		0	1	1		0	0	0	0	0	1	0	0	1	1	0
Configuration		LT		R								TR		L	Т	
Volume, V (veh/h)		37	1	43							242	156		105	241	
Percent Heavy Vehicles (%)		3	3	3		1.1								3		
Proportion Time Blocked																
Percent Grade (%)		()													
Right Turn Channelized		N	0		6-11	N	10			1	Vo			N	10	
Median Type/Storage				Undiv	vided							1401 - 563				
Critical and Follow-up H	leadwa	ys														6-0-
Base Critical Headway (sec)											1					
Critical Headway (sec)																
Base Follow-Up Headway (sec)																
Follow-Up Headway (sec)									S							
Delay, Queue Length, an	d Leve	l of S	ervice	;							85 7. 2					
Flow Rate, v (veh/h)	1	41		47							1			114		
Capacity, c (veh/h)		383		1341			120							1120		3
v/c Ratio		0.11		0.04										0.10		
95% Queue Length, Q ₉₅ (veh)		0.4		0.1						1		1 20		0.3		-
Control Delay (s/veh)		15.5		7.8										8.6		
Level of Service, LOS		С		A								o dense		A		
Approach Delay (s/veh)		11	.4											2.	.6	
Approach LOS		E	1						- Cartal				1.7			1

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General Information				Site Inform	nation						
	Inves			Intersection	lation	104 E	XISTING				
Analyst Agency/Co.	EKM ATE			Jurisdiction			OF GOLETA				
Date Performed	11/28	/2017		Analysis Year		2017	017				
Analysis Time Period		EAK HOUR			A States						
Project ID FIRE STATION #	17070										
East/West Street: HOLLIST	ER AVENUE			North/South St	reet: CATHEDI	RAL OAKS					
Volume Adjustments	and Site C	haracterist	lics								
Approach		E	astbound			We	stbound				
Movement	2	0	T 20	R	L		T	R			
/olume (veh/h)	2.	9	20	0	0		28	380			
%Thrus Left Lane			l								
Approach Movement	L		orthbound T	R	L	Sou	thbound T	R			
/olume (veh/h)	-	,	0	0	221		0	75			
6Thrus Left Lane			1								
	L Eas	tbound	1 14/2	stbound	Northb	ound		hbound			
		T		1				T			
	L1	L2	L1 T	L2	L1	L2	L1	L2			
Configuration	L	T	T	R			L	R			
PHF	0.94	0.94	0.94	0.94			0.94	0.94			
low Rate (veh/h)	30	21	29	404			235	79			
6 Heavy Vehicles	2	2	2	2		al and the second	2	2			
lo. Lanes		2	201	2	0			2			
Geometry Group		5		5			-	1			
Duration, T				0.2	25						
Saturation Headway	Adjustment	Workshee	t								
Prop. Left-Turns	1.0	0.0	0.0	0.0			1.0	0.0			
Prop. Right-Turns	0.0	0.0	0.0	1.0			0.0	1.0			
rop. Heavy Vehicle	0.0	0.0	0.0	0.0			0.0	0.0			
LT-adj	0.5	0.5	0.5	0.5			0.2	0.2			
RT-adj	-0.7	-0.7	-0.7	-0.7			-0.6	-0.6			
HV-adj	1.7	1.7	1.7	1.7			1.7	1.7			
adj, computed	0.5	0.0	0.0	-0.7			0.2	-0.6			
eparture Headway a								1			
d, initial value (s)	3.20	3.20	3.20	3.20			3.20	3.20			
, initial	0.03	0.02	0.03	0.36			0.21	0.07			
d, final value (s)	6.31	5.81	5.42	4.72			5.26	4.46			
, final value	0.053	0.034	0.044	0.529			0.343	0.098			
love-up time, m (s)	2.		the second se	.3			and the second s	.0			
	4.0	3.5	3.1	2.4			3.3	2.5			
ervice Time, t _s (s)		3.5	5.1	2.4			0.0	2.5			
apacity and Level of	Service										
	East	oound	Wes	tbound	Northbo	ound	South	nbound			
	L1	L2	L1	L2	L1	L2	L1	L2			
apacity (veh/h)	600	700	725	762			691	790			
elay (s/veh)	9.4	8.7	8.4	12.6			11.0	7.9			
OS	A	A	A	B			В	A			
			-								
pproach: Delay (s/veh)	1	9.1		2.3	-		and the second se).2			
LOS		Α		3			E	5			
tersection Delay (s/veh)				11.	3						

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General Information				Site Inform	ation		Sector Sector	Section 1	
Analyst	EKM			Intersection		04_P	М		
Agency/Co.	ATE			Jurisdiction		and the second se	TY OF GOLETA		
Date Performed	11/28			Analysis Year		2017			
Analysis Time Period		EAK HOUR							
Project ID FIRE STATION #				h		DAL 04//0	and the second second		
East/West Street: HOLLIST				North/South Sti	reet: CATHED	RAL OAKS			
Volume Adjustments	and Site C					14/-	- the second		
Approach Movement	L		astbound	R	L		stbound T	R	
Volume (veh/h)	5	and the second se	25	0	0		19	354	
%Thrus Left Lane			100 M						
Approach		N	orthbound			Sou	thbound		
Vovement	L		Т	R	L		T	R	
Volume (veh/h)	0)	0	0	249	_	0	37	
%Thrus Left Lane									
	Eas	tbound	We	stbound	North	bound	Sout	hbound	
	L1	L2	L1	L2	L1	L2	L1	L2	
Configuration	L	T	T	R			L	R	
PHF	0.91	0.91	0.91	0.91			0.91	0.91	
Flow Rate (veh/h)	64	27	20	389			273	40	
% Heavy Vehicles	2	2	2	2			2	2	
Vo. Lanes		2		2	0			2	
Geometry Group		5		5				1	
Duration, T				0.2	25				
Saturation Headway	Adjustment	Workshee	t						
Prop. Left-Turns	1.0	0.0	0.0	0.0			1.0	0.0	
Prop. Right-Turns	0.0	0.0	0.0	1.0		.1	0.0	1.0	
Prop. Heavy Vehicle	0.0	0.0	0.0	0.0			0.0	0.0	
nLT-adj	0.5	0.5	0.5	0.5			0.2	0.2	
1RT-adj	-0.7	-0.7	-0.7	-0.7			-0.6	-0.6	
nHV-adj	1.7	1.7	1.7	1.7			1.7	1.7	
adj, computed	0.5	0.0	0.0	-0.7			0.2	-0.6	
Departure Headway a	_		0.0	0.7			0.2	0.0	
	3.20	3.20	3.20	3.20			3.20	3.20	
nd, initial value (s) , initial	0.06	0.02	0.02	0.35			0.24	0.04	
nd, final value (s)	6.35	5.85	5.52	4.82			5.33	4.54	
, final value	0.35	0.044	0.031	0.521			0.404	0.050	
Move-up time, m (s)	and the second division of the second divisio	.3	the second se	2.3			the second se	.0	
Service Time, t _s (s)	4.1	3.5	3.2	2.5			3.3	2.5	
		0.0		2.0					
Capacity and Level o			1						
		bound		tbound	North			nbound	
A state of the sta	L1	L2	L1	L2	L1	L2	L1	L2	
Capacity (veh/h)	582	675	667	748			683	800	
)elay (s/veh)	9.9	8.8	8.4	12.6			11.9	7.8	
.OS	A	A	A	В			В	A	
Approach: Delay (s/veh)		9.5		2.4				.4	
LOS	1	э.э А		B				3	
		А	1	<u> </u>	7		L		
ntersection Delay (s/veh)				B					

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General Information				Site Inforn	nation			
	Icert			Intersection	lation	04 A	M_CU	
Analyst Agency/Co.	EKM ATE		and the second	Jurisdiction			OF GOLETA	
Date Performed	11/28	/2017		Analysis Year		2017		
Analysis Time Period		EAK HOUR						- south a state
Project ID FIRE STATION 10) # 17070							
East/West Street: HOLLIST	ER AVENUE			North/South St	reet: CATHED	RAL OAKS		
Volume Adjustments	s and Site C	haracterist	ics					
Approach			Eastbound		T	We	stbound	
Movement	L		Т	R	L		Т	R
/olume (veh/h)	2	9	20	0	0		28	380
%Thrus Left Lane								
Approach		N	orthbound			Sou	thbound	
/ovement /olume (veh/h)	L	,	т 0	R 0	L 221		т 0	R 75
6Thrus Left Lane				0	221		-	75
	_	6						
and the second	Eas	tbound	We	stbound	North	bound	Sout	hbound
	L1	L2	L1	L2	L1	L2	L1	L2
Configuration	L	T	T	R			L	R
PHF	0.94	0.94	0.94	0.94			0.94	0.94
low Rate (veh/h)	30	21	29	404			235	79
6 Heavy Vehicles	2	2	2	2			2	2
lo. Lanes		2		2	0			2
Geometry Group		5		5				1
Duration, T		0.00.2	- 5. Jas 12	0.2	25			
Saturation Headway	Adjustment	Workshee	t					
Prop. Left-Turns	1.0	0.0	0.0	0.0			1.0	0.0
rop. Right-Turns	0.0	0.0	0.0	1.0			0.0	1.0
Prop. Heavy Vehicle	0.0	0.0	0.0	0.0			0.0	0.0
LT-adj	0.5	0.5	0.5	0.5			0.2	0.2
RT-adj	-0.7	-0.7	-0.7	-0.7		6	-0.6	-0.6
HV-adj	1.7	1.7	1.7	1.7			1.7	1.7
	the second se	And in case of the local division of the loc		The state of the s				
adj, computed	0.5	0.0	0.0	-0.7			0.2	-0.6
Departure Headway a	The second se	and the second se						
d, initial value (s)	3.20	3.20	3.20	3.20			3.20	3.20
, initial	0.03	0.02	0.03	0.36			0.21	0.07
d, final value (s)	6.31	5.81	5.42	4.72			5.26	4.46
, final value	0.053	0.034	0.044	0.529			0.343	0.098
love-up time, m (s)	2.		1	.3			2.	0
ervice Time, t _s (s)	4.0	3.5	3.1	2.4			3.3	2.5
apacity and Level o	f Service							
	1	bound	Wes	tbound	Northb	ound	South	bound
	L1	L2	L1	L2	L1	L2	L1	L2
					LI	LZ		
apacity (veh/h)	600	700	725	762			691	790
elay (s/veh)	9.4	8.7	8.4	12.6			11.0	7.9
OS	A	A	A	В			В	A
pproach: Delay (s/veh)		9.1	12	2.3			10	.2
LOS	1	A		B			E	
tersection Delay (s/veh)	1			11.	3			
tersection LOS				B				

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General Information				Site Inform	ation			
Analyst	EKM			Intersection		04_PI	M_CU	
Agency/Co.	ATE			Jurisdiction			OF GOLETA	15400
Date Performed	11/28/			Analysis Year		2017		
Analysis Time Period		EAK HOUR					de la constance	
Project ID FIRE STATION 10	and the second se							
East/West Street: HOLLISTE				North/South Str	eet: CATHED	RAL OAKS		
Volume Adjustments	and Site C	and the second second	And the second se		-			
Approach Movement	L	E	Eastbound T	R	L	We	stbound T	R
/olume (veh/h)	5	2	25	0	0		19	354
%Thrus Left Lane			20				10	
Approach		N	orthbound			Sou	thbound	
Movement	L		T	R	İ L		т	R
/olume (veh/h)	0		0	0	249		0	37
%Thrus Left Lane								
	Fas	bound	We	stbound	North	bound	Sout	hbound
and the second second second second	L1	L2	L1	L2	L1	L2	L1	L2
Configuration		T		R				R
Configuration PHF	0.91	0.91	0.91				-	0.91
Flow Rate (veh/h)	64	27	20				and the second se	40
6 Heavy Vehicles	2	21	20				the second se	40
lo. Lanes		2	2		0			
Geometry Group		5		the second s	0			
Duration, T	· · · ·	5		91 0.91 0.91 0 389 273 2 2 2 2 0 2 5 1 0.25 1 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 7 -0.7 0 -0.7 0 -0.7 0.2	/			
Saturation Headway A	 diustmont	Workshoo	4	0.2	0			
Prop. Left-Turns	1.0	0.0	0.0	0.0			1 10	0.0
and the second second second second second	0.0	0.0	0.0					1.0
Prop. Right-Turns								0.0
Prop. Heavy Vehicle	0.0	0.0	0.0		den ser al s		and the second se	
LT-adj	0.5	0.5	0.5		والتنزية والمتعيدين			0.2
RT-adj	-0.7	-0.7	-0.7	and the second se				-0.6
HV-adj	1.7	1.7	1.7					1.7
adj, computed	0.5	0.0	0.0	-0.7			0.2	-0.6
Departure Headway a	nd Service	Time						
d, initial value (s)	3.20	3.20	3.20	3.20			3.20	3.20
, initial	0.06	0.02	0.02	0.35			0.24	0.04
d, final value (s)	6.35	5.85	5.52	4.82			5.33	4.54
, final value	0.113	0.044	0.031	0.521			0.404	0.050
love-up time, m (s)	2	.3	2	2.3			2	.0
ervice Time, t _s (s)	4.1	3.5	3.2	2.5			3.3	2.5
Capacity and Level of	Service							
	1	bound	Wes	stbound	North	ound	Sout	bound
	L1	L2	L1	L2	L1	L2	L1	L2
Capacity (veh/h)	582	675	667	748		1.7753	683	800
elay (s/veh)	9.9	8.8	8.4	12.6			11.9	7.8
OS	A	A	A	В			В	A
pproach: Delay (s/veh)		9.5	1	2.4				.4
LOS	-	А		В			1	3
				11.				

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Page 1 of 6

City of Goleta Cumulative Projects List - External

Case # Project PROJECTS UNDER CONSTRUCTION	Project	Addrace	APN	1111111	100120100000000000000000000000000000000			
PROJECTS UNDER CONSTF		Addiess		Land Use	Acreage	Project Description	Planner	Status
	RUCTION						THE PARTY PARTY	
10-043-DP- et al.	Village at Los Carneros	Calle Koral and Los Carneros Road	073-330-024, - 026, -027, -028, -029	Residential	43.14	465 units on 43.14 acres	K. Allen	Under construction
01-S8-DP; CUP	Fairview Commercial Center	151 S. Fairview Avenue	073-080-019	Commercial	0.8	7,476 sf commercial/retail building 1. Pearson	J. Pearson	Under construction
12-086-RZ, -VTM	Harvest Hill Ranch	880 Cambridge Drive	069-620-044	Residential	4.73	7 lot subdivision with net of 6 homes	B. Hiefield	Under construction
03-051-RZ, -DP, -CUP	Islamic Society of SB	N/E Corner of Los Carneros and Calle Real	077-160-035	Commercial	0.59	6,183 sf building with prayer room, meeting area and 1 caretaker unit	J. Pearson	Under construction
04-226-TM, -DP	Citrus Village	7388 Calle Real	077-490-043	Residential	1.02	10 residential units	J. Pearson	Under construction
14-026-GPA, -RZ, -VTM, -DP	Old Town Village	South Kellogg Avenue	071-130-02	Residential and Commercial	12.31	Mixed Use of 175 townhomes with shopkeeper and livework unit		Under construction
09-075-TPM, -DP and 09-079-DP AM		6300 Hollister Avenue	073-050-020	Commercial	10.57	80,989 sf hotel (118 rooms)	J. Pearson	Under construction
00-133-DP- 15-177-111P	Hichwav Recycling	909 South Kellore Avenue	0-1-150	londu cetrical	r 7	Concrete and asphalt recycling facility with temporary and permament equipment. Includes new creek restoration, fencing, landscaping, trash enclosure, retaining wall, and drainage innrovements	K. Phung / Lisa	

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Updated 11/13/17								
Case #	Project	Address	APN	Land Use	Acreage	Project Description	Planner	Status
APPROVED PROJECTS (NOT CONSTRUCTED)	T CONSTRUCTED)				國防部制的制度			
16-063-DPAM-DRB	McDonalds Drive Thru Expansion 1465 South Fairview Avenue	1465 South Fairview Avenue	071-025	Commercial	0.72	Second drive thru lane, revised parking and circulation, and new landscaping	B. Hiefield	Approved
14-118-DP-CDP	Rancho Estates Mobile Home Park Fire Improvements (Rancho Goleta)	7465 Hollister Avenue	079-210-058, 079-442-023	Residential and Open Space	19.11	New fire access road, new/upgraded fire hydrants, new water lines, and bring existing car wash into conformance	J. Pearson	Approved
17-047-PCR	Pacific Beverage at Cabrillo Business Park Reduced Project	355 Coromar Drive	073-610-036	Industrial	7.6	Reduction in 24,398 sf from previously approved building	D. Mimick	Approved
15-107-DPRV-DRB	Site Improvements	130 Robin Hill Road	073-050-015	Industrial (Business Park)	ß	768-sf elevator addition, 1,100-sf new building, and 314-sf addition to rear of building	B. Hiefield	Approved
17-055-DPRV (17-055-DPRV, 07- 229-DP)	Schwann Self Storage	10 S. Kellogg Avenue	071-090-082	Industrial	2.06	Addition of basements to 3 previously approved but unconstructed buildings for a 135,741 sf self-storage facility	J. Pearson	Approved
09-140-DP (17-023-DPAM)	Cortona Apartments	6830 Cortona Drive	073-140-016	Residential	8.82	176 residential units	J. Hubbell / K. Phung	Approved
15-063-DP-DRB	Fuel Depot	180 N. Fairview Avenue	069-110-054	Commercial	0.28	Reconstruction of convenience store/auto-service building (2,396 sf); No changes to existing fueling stations or canopy.	D. Mimick	Approved

Page 2 of 6

City of Goleta Cumulative Projects List - External

City of Goleta Cumulative Projects List - External Updated 11/13/17

Case #	Project	Address	APN	Land Use	Acreage	Land Use Acreage Project Description	Planner	Status
12-091-DP	Somera Medical Office Building 454 S. Patterson Avenue	454 S. Patterson Avenue	065-090-013 Commercial	Commercial	0	20,000 sf net new medical/dental office building	B. Hiefield	Approved
15-126-DP-TPM	Ward Renovations and Lot Split 749 and 759 Ward Drive		071-170-035, - 014	Industrial	2.88	New building façade, new site renovations, and lot split	J. Pearson	Approved

Page 3 of 6

Page 4 of 6

City of Goleta Cumulative Projects List - External Updated 11/13/17

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Case #	Project	Address	APN	Land Use	Acreage	Project Description	Planner	Status
PENDING PROJECTS (Complete Applications)	plete Applications)							A REAL PROPERTY AND A REAL PROPERTY.
					15.8 (gross);			Pending/On Hold - due
	- Antonio		077-130-066, - 019; 077-141-		14.00 (ITEL)		L. Prasse	to water availability. Pending/On Hold - due
08-205-GPA, -RZ, -VTM	Kenwood Village	Calle Real w/o Calaveras Avenue	049	Residential	10	60 residential units	K. Allen	to water availability.
13-054-TE-CUP RV; 08-139-CUP; and 08-138-OA, -CUP	Fairview Gardens	598 North Fairview Avenue	069-090-052	Agriculture	11.65	Master Use Permit and Special Events	B. Hiefield	Pending - Waiting on applicant to submit revised project description.
14-049-, -VTM, -DR, -CUP	Heritage Ridge	North of Calle Koral and West of Los Carneros	073-060-031 thru -043	Residential	16.2	228 residential apartments and 132 senior apartments	S. Diaz	Pending - Preparation of Final EIR.
13-039-CUP	Ellwood Mesa Coastal Trails and Habitat Restoration Project	NA	079-210-024, - 069, -015, -014, -013, -072, - 071, -70	Recreation	724	Improve 7.1 miles of trails, improve 3 drainage crossings, improve 2 beach access points, and 13 acres of habitat restoration	A. Newkirk	Pending Coastal Commission Approval (City Complete).
PENDING PROJECTS (Incomplete Applications)	mplete Applications)		State of the state	「「「「「「「「」」」」	的性质和可能能能			
16-151-PCR-OSP	Cabrillo Business Park, Lot 5	6789 Navigator Way	073-510-024	Office/Light Industrial	1.93	New 23,882-sf builidng within Cabrillo Business Park	D. Mimick	Pending - City issued Incomplete Letter on 10.18.17. Warting on applicants resubmittal.
16-162-PCR-OSP	Cabrillo Business Park, Lot 6	6765 Navigator Way	073-610-025	Office/Light Industrial	1.27	New 16,750-sf builidng within Cabrillo Business Park	D. Mimick	Pending - City issued Incomplete Letter on 10.18.17. Waiting on applicants resubmittal.

City of Goleta Cumulative Projects List - External Updated 11/13/17

Case #	Project	Address	APN	Land Use	Acreage	Project Description	Planner	Status
16-163-PCR-OSP	Cabrillo Business Park, Lot 7	6759 Navigator Way	073-610-026	Office/ Light Industrial	2.11	New 31,584-sf builidng within Cabrillo Business Park	D. Mimick	Pending - City issued Incomplete Letter on 10.18.17, Waiting on applicants resubmittal.
16-164-PCR-OSP	Cabrillo Business Park, Lot 9	301 Coromar Drive	073-210-027	Office/Light Industrial	3.12	New 44,924-sf builidng within Cabrillo Business Park	D. Mimick	Pending - City issued Incomplete Letter on 10.18.17, Waiting on applicants resubmittal.
16-165-PCR-OSP	Cabrillo Business Park, Lot 14	289 Coromar Drive	073-310-003	Office/Light Industrial	2.94	Option A: New 27,499-sf builidng within Cabrillo Business Park. Option B: New 44,004-sf building within Cabrillo Business Park.	K. Allen	Pending - City issued Incomplete Letter on 10.18.17. Waiting on applicants resubmittal.
16-097-DP-DRB	Calle Real Hotel	5955 Calle Real	069-110-018	Commercial	1.98	134-room 3-story hotel	B. Hiefield	Pending - City issued Incomplete Letter on 8.22.17, Waiting on applicants resubmittal.
13-141-DRB, -CUP, -DP	Fuel Depot with Car Washes	370 Storke Road	073-100-008	Commercial	t-t	1,667 sf new drive-in carwash, self- serve car wash, gas fueling dispensers and manager's residence; Zizzo's Coffee building to remain	D. Mimick	Pending - City issued Incomplete Letter on 2.6.14. Waiting on applicants resubmittal.
14-019-DRB, -DP, -VTM	Willow Industrial Park	891 S. Kellogg Avenue	071-170-079, - 080, -083	Industrial	14.76	146,000 sf new Light Industrial with outdoor storage and 2,587 sf office building	J. Pearson	Pending - City issued Incomplete Letter on 8.18.17. Waiting on applicants resubmittal.

Page 5 of 6

City of Goleta Cumulative Projects List - External Updated 11/13/17

Case #	Project	Address	APN	Land Use	Acreage	Project Description	Planner	Status
17-033-DPAM-DRB	Providence Middle/High School	5385 Holiister Avenue	071-140-075	Commercial	2.3	o exisitng other ements	J. Hubbell	Pending - In 30 day review by the City.
17-094-DP-TPM-DRB	Cortona Industrial Project	6864/6868 Cortona Drive	073-140-027	Light Industrial	0.61	23,000-sf light industrial building use building and tentative parcel map.	K. Allen	Pending - City issued Incomplete Letter on 9.8.17. Waiting on applicants resubmittal.
17-122-DPAM	Santa Barbara Honda	475 South Kellogg	071-140-067, 071-140-068	Commercial	7.53	Includes façade improvements, a 1.628 sf enclosure of existing canopy for added showroom, a new 5,175 sf new enclosed canopy, and a new 300 sf new parts room.	K. Phung	Pending - City issued Incomplete Letter on 11.3.17. Waiting on applicants resubmittal.
17-110-CUP-DRB	Verizon Wireless Antenna at U.S. Post Office	400 Storke Road	073-610-007	Industrial	19.99	New 66 ft tall monopine wireless tower	J. Pearson	Pending - City issued Incomplete Letter on 9.15.17. Waiting on applicants resubmittal.
17-121-DP-DRB	Sywest	907 South Kellogg Avenue	071-190-035	Industrial	11.71	70,594 sf high cube industrial building	B. Hiefield	Pending - City issued Incomplete Letter on 11.3.17. Waiting on applicants resubmittal.

Page 6 of 6

Associated Transportation Engineers Trip Generation Worksheet - With In/Out Splits

			บี	IMULAT	CUMULATIVE TRIP GENERATION (#17070)	GENER	ATION (#	17070)								
and lea	Sivo		ADT	F			A.M.	1.					P.M.	М.		
122.000	0170		Rate	Trips	Rate	Trips	ln %	Trips	Out %	Trips	Rate	Trips	In %	Trins	Out %	Trinc
CITRUS VILLAGE - RESIDENTIAL	10	Units	9.44	94	0.740	2	25%	2	75%	- v.	0.99	10	63%	9	370%	201
SHELBY - RESIDENTIAL (b)	60	Units	9.57	574	0.750	45	25%	11	75%	34	101	61	2007	30	260/	+ 00
KENWOOD VILLAGE - SFD	13	Units	9.52	124	0.750	10	30%		200%	-	1 00	12	2/004	201	0/00	77
KENWOOD VILLAGE - TOWNHOMES	47	Units	5.81	273	0.440	21	17%	4	83%	17	0.50	PC	20 /0	18	370%	00
TOTAL PROJECT TRIPS:				1,065		62		16		46	40.0	84	200	52	0/ 70	40

(a) ITE trip generation rate for Single Family Detached Housing (#210)
 (b) <u>7400 Cathedral Oaks Road Traffic and Circulation Study</u>, Associated Transportation Engineers, 2011.
 (c) <u>Kenwood Village Updated Traffic and Circulation Study</u>, Associated Transportation Engineers, 2016.