

APPENDIX A

TRAFFIC STUDY SCOPE OF WORK



City of San Bernardino Public Works / Traffic Engineering Department Traffic Scope Approval Form

To be completed by applicant consultant and approved by Public Works prior to start of study

Project _____
 Name: Project _____
 Address: Project _____
 Description: _____
 Developer's Name: _____
 Address: _____
 Telephone No. _____ Email address: _____

See Figure 2-1 (Existing Site Aerial)
and Figure 2-2 (Proposed Site Plan).

Trip Generation Rates from ITE Latest Edition - See Table 1 Project Trip Generation.

Net Trip Generation (Daily: +664, AM: +50, PM: +66)

<p>Land Use (1) _____ Development Sq Ft _____ ITE Land Use Code _____ Daily Trips _____ AM Peak Hour Trips Inbound _____ Outbound _____ Total _____ PM Peak Hour Trips Inbound _____ Outbound _____ Total _____</p>		<p>Land Use (2) _____ Development Sq Ft _____ ITE Land Use Code _____ Daily Trips _____ AM Peak Hour Trips Inbound _____ Outbound _____ Total _____ PM Peak Hour Trips Inbound _____ Outbound _____ Total _____</p>
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(Use Additional Sheet(s), if necessary)

Pass-by Trips (%), if applicable: _____ %

<p>Land Use (1) _____ ITE Land Use Code _____ Daily Trips _____ AM Peak Hour Trips Inbound _____ Outbound _____ Total _____ PM Peak Hour Trips: Inbound _____ Outbound _____ Total _____</p>		<p>Land Use (2) _____ ITE Land Use Code _____ Daily Trips _____ AM Peak Hour Trips Inbound _____ Outbound _____ Total _____ PM Peak Hour Trips: Inbound _____ Outbound _____ Total _____</p>
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Project Opening Year: _____	Build-out Year: _____
Study Intersections: 1 _____	6 _____
2 _____	7 _____
3 _____	8 _____
4 _____	9 _____
5 _____	10 _____

(Use Additional Sheet(s) and Maps to show project Boundaries & Attach memo for project Description)



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Study Roadway Segments: 1 N/A 2 --
 3 -- 4 --
 5 -- 6 --

Proposed Development Use: Residential Commercial Mixed Use Other

Software Methodology: Synchro HCS Vistro

Additional issues to be considered: Traffic calming measures Queuing Analysis
 Bike/Ped Accommodations Merge Analysis Gap Analysis
 Actuation/Coordination Safety Analysis Sight Distance Analysis

Is the project screened from VMT assessment? Yes No

VMT Screening Justification: The TIA will have a VMT screening section that will evaluate the City's three VMT screening type steps.
 It should be noted that the Project will satisfy Step 3: Project Type Screening - Local Serving Retail (less than 50,000 SF).

Ambient Growth Rate: 3.0 %

Trip Distribution: East 20 % West 50 % North 25 % South 5 %

Consultant Preparer's Name: Linscott, Law & Greenspan, Engineers

Address: 2 Executive Circle, Suite 250, Irvine, CA

Telephone No. (949) 625-8175 PE / TE License #: TE No. 2200

Email Address: kloos@llgengineers.com

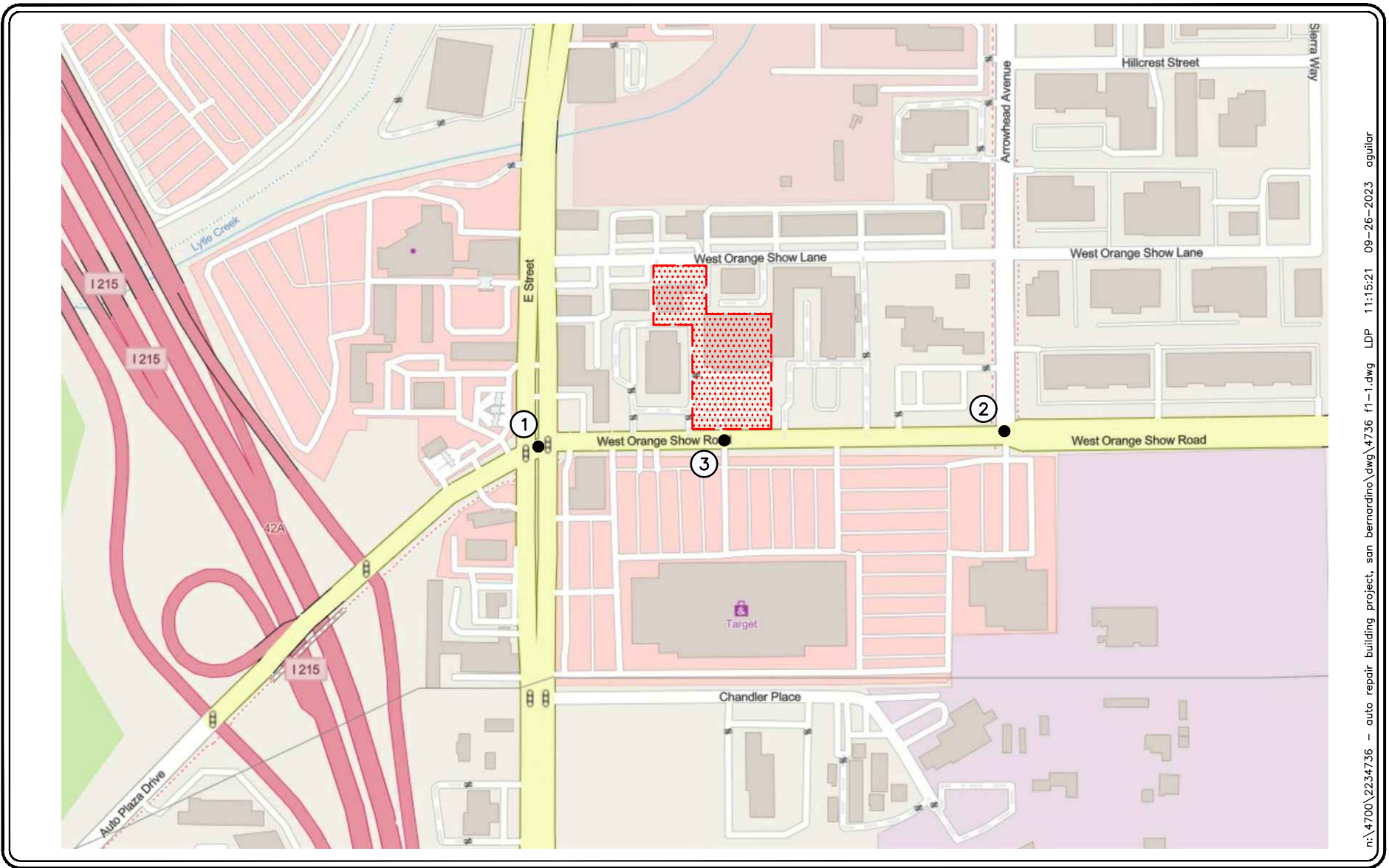
Signature: *Daniel A. Kloos* Date: 10/6/2023

Approved By (Public Works Department):

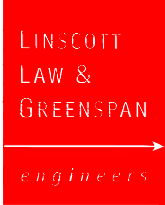
Signature: *Azzam Jabseh* Date: 10/23/2023

Name: Azzam Jabseh Title: Traffic Engineer

*submit a focused Traffic study
submit a VMT screening justification*



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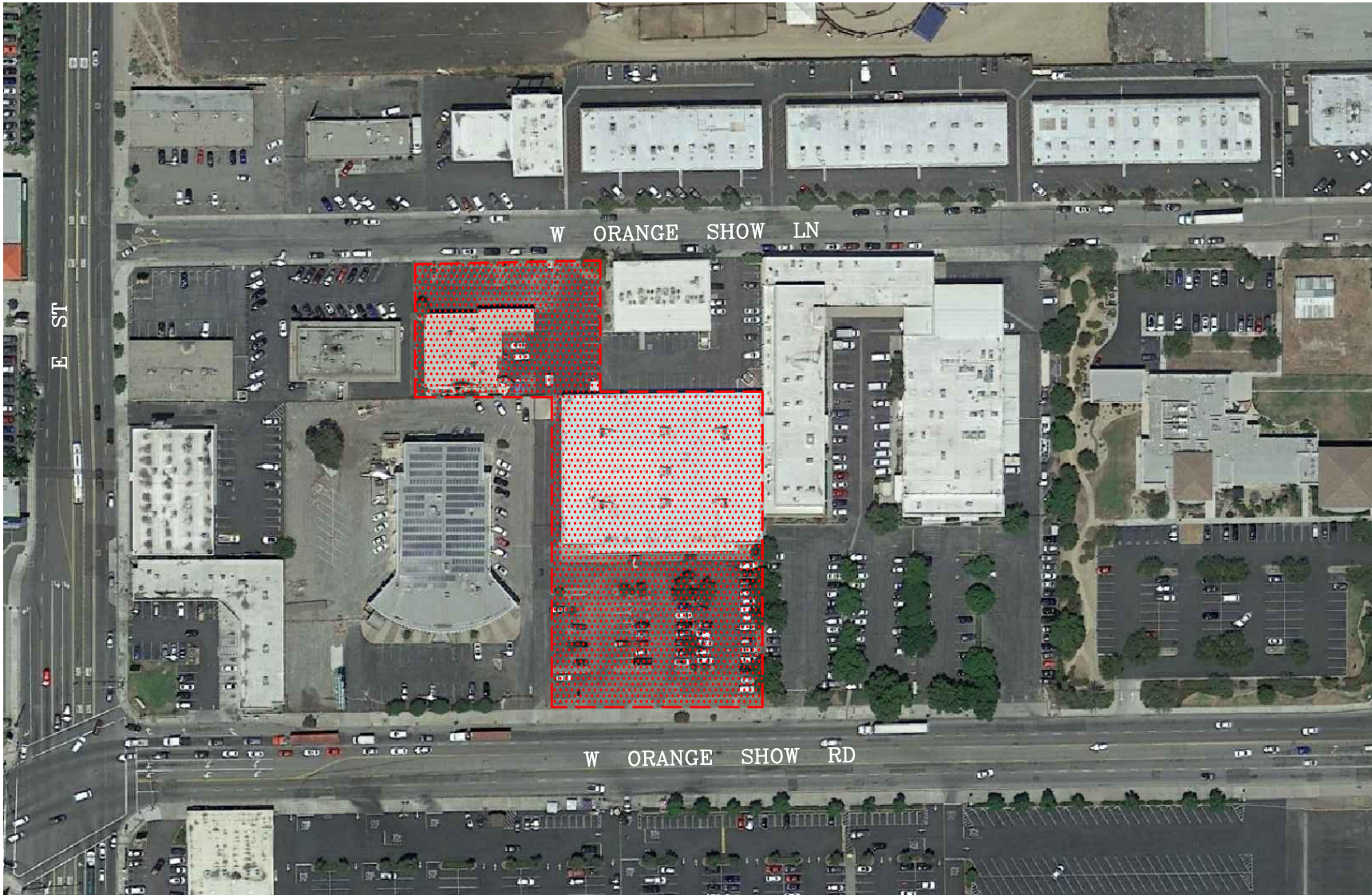
SOURCE: OPEN STREETS

KEY

- = STUDY INTERSECTION
- = PROJECT SITE

FIGURE 1-1

VICINITY MAP
EV COLLISION CENTER, SAN BERNARDINO



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LINSCOTT
LAW &
GREENSPAN
engineers



NO SCALE

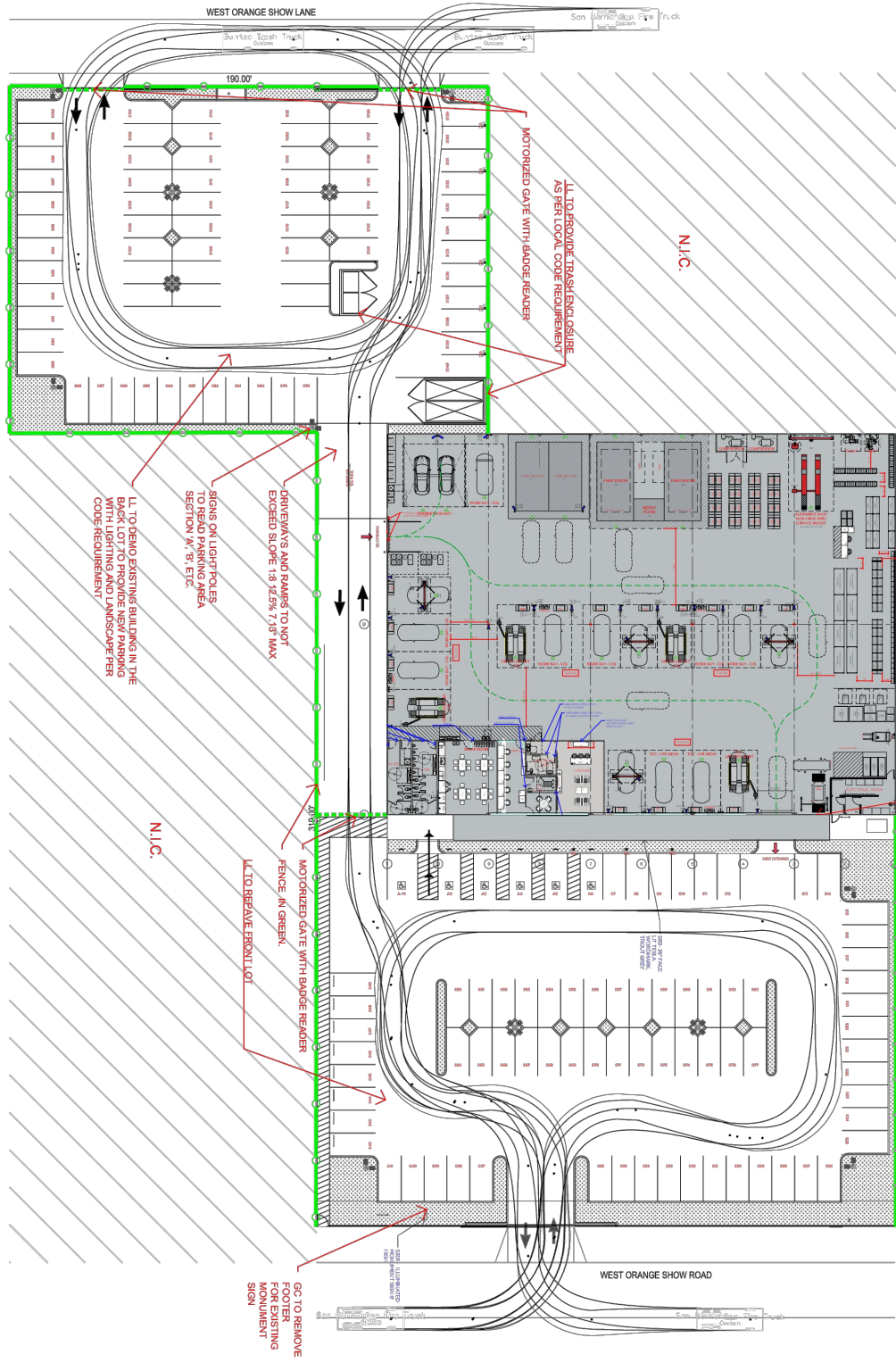
SOURCE: GOOGLE

KEY

 = PROJECT SITE

FIGURE 2-1

EXISTING SITE AERIAL
EV COLLISION CENTER, SAN BERNARDINO



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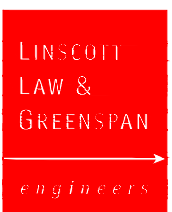


FIGURE 2-2

PROPOSED SITE PLAN EV COLLISION CENTER, SAN BERNARDINO

TABLE 1
PROJECT TRIP GENERATION FORECAST¹
EV COLLISION CENTER, SAN BERNARDINO

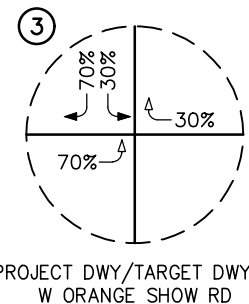
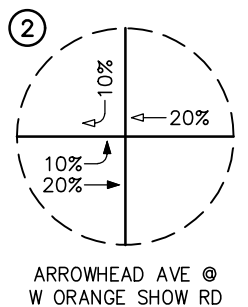
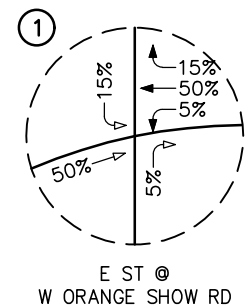
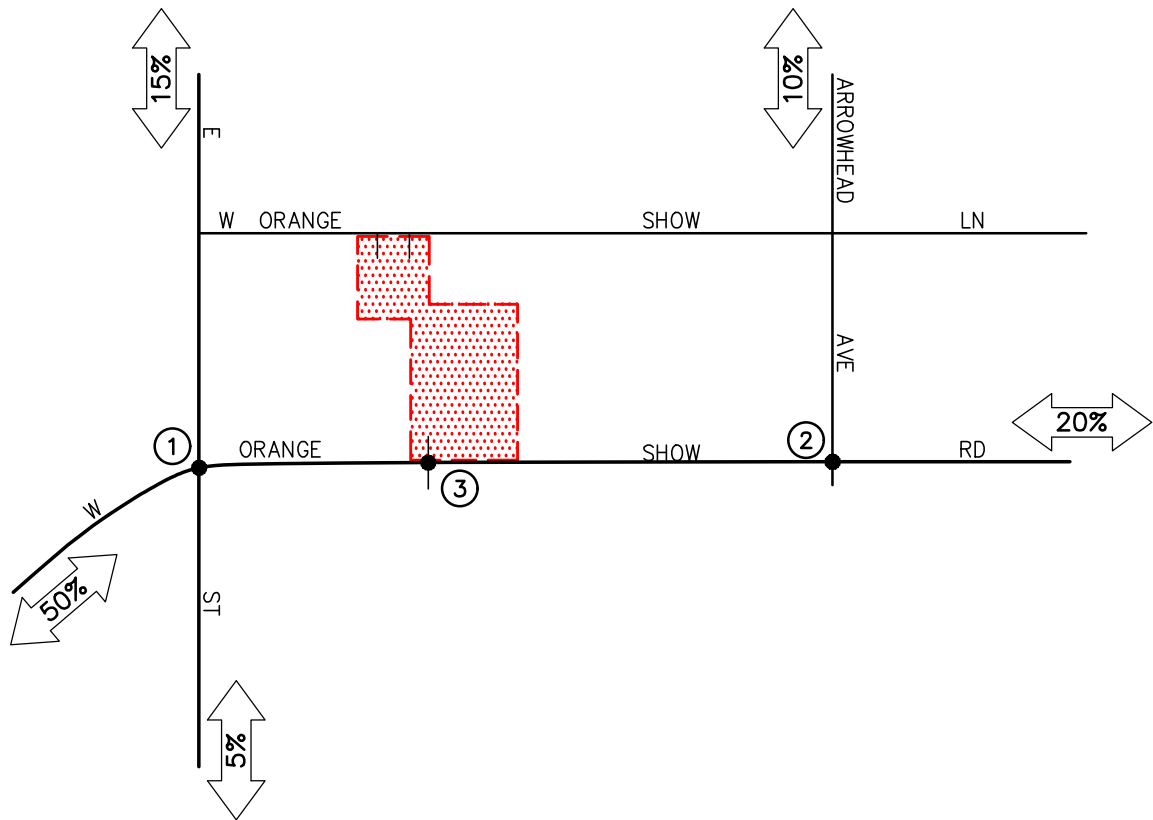
ITE Land Use Code / Project Description	Daily 2-Way	AM Peak Hour			PM Peak Hour		
		Enter	Exit	Total	Enter	Exit	Total
<i>Trip Generation Rates:</i>							
▪ 712: Small Office Building (TE/TSF)	14.39	82%	18%	1.67	34%	66%	2.16
▪ 890: Furniture Store (TE/TSF)	6.30	71%	29%	0.26	47%	53%	0.52
▪ 942: Automobile Care Center (TE/TSF)	31.10 ²	66%	34%	2.25	48%	52%	3.11
<i>Proposed Project Trip Generation Forecast:</i>							
▪ EV Collision Center Project (30,095 SF)	936	45	23	68	45	49	94
<i>Existing Entitled Land Use Trip Generation Forecast:</i>							
▪ Office Building (6,000 SF)	86	8	2	10	4	9	13
▪ Furniture Store (29,469 SF)	186	6	2	8	7	8	15
<i>Existing Subtotal</i>	272	14	4	18	11	17	28
Net Project Trip Generation Forecast (Proposed Project vs. Existing Entitled Land Use)	+664	+31	+19	+50	+34	+32	+66

Notes:

- TE/TSF = Trip End per Thousand Square Feet

¹ Source: *Trip Generation*, 11th Edition, Institute of Transportation Engineers (ITE), Washington, D.C. (2021).

² The *Trip Generation Manual*, 11th Edition does not provide a daily trip rate for ITE Land Use 942: Automobile Care Center. As such, the daily rate was assumed to be ten times the PM peak hour rate to provide a conservative trip generation forecast.



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engineers

N
NO SCALE

- KEY**
- ① = STUDY INTERSECTION
 - ← = INBOUND PERCENTAGE
 - = OUTBOUND PERCENTAGE
 - ▨ = PROJECT SITE

FIGURE 5-1

PROJECT TRAFFIC DISTRIBUTION PATTERN
EV COLLISION CENTER, SAN BERNARDINO