TJW ENGINEERING, INC.

TRAFFIC ENGINEERING &
TRANSPORTATION PLANNING

CONSULTANTS

July 31, 2024

Angelica Sepulveda
SOUTH BAY FLEET SPECIALIST
13428 Prairie Avenue
Hawthorne, CA 90250

SUBJECT: South Bay Fleet Specialist Trip Generation Analysis, City of Carson

Angelica Sepulveda,

TJW Engineering, Inc. (TJW) is pleased to submit this Trip Generation Analysis for the proposed project located at 17126 S. Broadway in the City of Carson. The proposed project includes tenant improvements to an existing 7,880 square foot facility for an autobody repair shop. A site plan is attached for reference. The purpose of this memorandum is to summarize the project Trip Generation Analysis.

Proposed Project

The proposed site is located at 17126 S. Broadway in the City of Carson. The proposed project includes tenant improvements to an existing 7,880 square foot facility for an autobody repair shop. Site access will be provided via Walnut Street.

Trip Generation Analysis

The trip generation for the proposed project was determined using the Institute of Transportation Engineers (ITE) Trip Generation Manual (11th Edition,2021). Based on the proposed project's intended use the projected trip generation was determined using the Automobile Care Center (942). The proposed project is projected to generate 18 total AM peak hour trips and 25 total PM peak hour trips, see Table 1 below for the Trip Generation.

Table 1: Trip Generation

_	The state of the s														
	Proposed Land Use	Qty	Unit	Daily Trips (ADTs)		AM Peak Hour					PM Peak Hour				
				Rate	Trips	Rate	In:Out	Trips		Rate	In:Out	Trips			
							Split	In	Out	Total	Nate	Split	In	Out	Total
	Automobile Care Center (942)	7.88	TSF	31.73	250	2.25	66:34	12	6	18	3.11	48:52	12	13	25
	Total				250			12	6	18			12	13	25

Notes: ITE Trip Generation (11th Edition, 2021); TSF=Thousand Square Feet

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Summary

This memorandum provides an overview of the trip generation analysis for the proposed project. Based on the proposed project's intended use the project is anticipated to generate a maximum of 25 trips in the PM peak hour. Most Cities and Counties have a threshold of 50 peak hour trips to require a traffic analysis. As this project is anticipated to generate fewer than 50 peak hour trips, additional traffic analysis is not anticipated.

Please contact us at (949) 878-3509 if you have any questions regarding this analysis.

Sincerely,

Thomas Wheat, PE, TE

The Oalt

President

Registered Civil Engineer #69467 Registered Traffic Engineer #2565 David Chew, PTP

Transportation Planner





South Bay Fleet Specialist

17126 S Boradway, Carson, CA 90248

GENERAL NOTES



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Carson, CA 90248

17126 S. Broadway South Bay Fleet Specialist

THE WORK INCLUDES ALL LABOR, MATERALS, AND EQUIPMENT TO BUILD, FINISH, AND PROVIDE TENANT IMPROVEMENT FOR A PROPOSED SPRAY BOOTH.

EXTERIOR: N/A

PROJECT INFORMATION NATIONAL FIRE PROTECTION ASSOCIATION AMERICAN SOCIET CIVIL ENGINEERS

TOTAL BUILDING HEIGHT

₁09 **1/**d 17126 S BROADWAY W. WALNUT ST P/L 106 P/L 135 REST OFFICE **YAWQAOAB**

EXISTING SITE PLAN (FOR REFERENCE ONLY)

SCALE

₽202 ,1 naC Scale: **C001** Sheet No.



