



**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 (11<sup>th</sup> 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**

Proposed Land Use	Qty	Unit	Daily Trips (ADTs)		AM Peak Hour					PM Peak Hour				
			Rate	Trips	Rate	In:Out Split	Trips			Rate	In:Out Split	Trips		
							In	Out	Total			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
<b>Total</b>				<b>250</b>			<b>12</b>	<b>6</b>	<b>18</b>			<b>12</b>	<b>13</b>	<b>25</b>

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

9841 Irvine Center Drive, Suite 200 | Irvine, California 92618 | t: (949) 878-3509  
[www.tjwengineering.com](http://www.tjwengineering.com)

**ATTACHMENT NO. 3**

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  
President

Registered Civil Engineer #69467  
Registered Traffic Engineer #2565



David Chew, PTP  
Transportation Planner







