

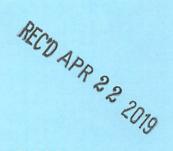
Appendix H: **Trip Generation Memo**



CITY OF COSTA MESA

Department of Public Services/Transportation Services

INTEROFFICE MEMORANDUM



TO:

BARRY CURTIS, ECONOMIC & DEVELOPMENT SERVICES DIRECTOR

FROM:

JENNIFER ROSALES, TRANSPORTATION SERVICES MANAGER

DATE:

APRIL 22, 2019

SUBJECT:

3175 AIRWAY AVENUE TRIP GENERATION

The following tables summarize the estimated trip generation for the proposed bridge shelter at 3175 Airway Avenue. There are four (4) scenarios, as described below.

Option 1: The entire project site is 30,000 SF industrial per the ongoing use:

Scenario 1 Trip Generation										
Use	Generation Rate	Daily	AM Peak			PM Peak				
			In	Out	Total	In	Out	Total		
30 KSF Industrial	ITE Code 110	149	18	3	21	2	17	19		
	149	18	3	21	2	17	19			
Notes: 1. ITE Trip Generation, 10th Edition. Average rates used.										

Option 2: The project site consists of 15,000 SF of industrial with a 30-bed bridge shelter facility:

Connerio 2									
Scenario 2									
Trip Generation									
Use	Generation Rate	Daily	AM Peak			PM Peak			
			In	Out	Total	In	Out	Total	
15 KSF Industrial	ITE Code 110	74	9	2	11	1	8	9	
30-Bed Facility (Shuttle Trips)	From Operations Plan	18	3	3	6	4	4	8	
30-Bed Facility (Employee Trips)	From Operations Plan	46	15	8	23	8	15	23	
Total			27	13	40	13	27	40	

Notes:

- 1. ITE Trip Generation, 10th Edition. Average rates used.
- 2. 15 day shift and 8 night shift employees assumed for facility.

Option 3: The project site consists of 15,000 SF of industrial with a 50-bed bridge shelter facility:

Scenario 3 Trip Generation									
Use	Generation Rate	Daily	AM Peak			PM Peak			
			In	Out	Total	In	Out	Total	
15 KSF Industrial	ITE Code 110	74	9	2	11	1	8	9	
50-Bed Facility (Shuttle Trips)	From Operations Plan	26	4	4	8	6	6	12	
50-Bed Facility (Employee Trips)	From Operations Plan	46	15	8	23	8	15	23	
Total			28	14	42	15	29	44	

Notes:

- 1. ITE Trip Generation, 10th Edition. Average rates used.
- 2. 15 day shift and 8 night shift employees assumed for facility.

Option 4: The project site consists of 15,000 SF of industrial with a 100-bed bridge shelter facility:

Scenario 4 Trip Generation									
Use	Generation Rate	Daily	AM Peak			PM Peak			
			In	Out	Total	In	Out	Total	
15 KSF Industrial	ITE Code 110	74	9	2	11	1	8	9	
100-Bed Facility (Shuttle Trips)	From Operations Plan	44	8	8	16	10	10	20	
100-Bed Facility (Employee Trips)	From Operations Plan	70	23	12	35	12	23	35	
Total			40	22	62	23	41	64	

Notes

- 1. ITE Trip Generation, 10th Edition. Average rates used.
- 2. 23 day shift and 12 night shift employees assumed for facility.

If you have any questions regarding the trip generation estimates, please contact me at (714) 754-5180.

c Elliot Huang, Assistant Engineer File