

Project Title: CSU Hayward Campus Master Plan-No Hayward Connection

 Intersection:
 Carlos Bee Blvd./Hayward Blvd

 Analysis Condition:
 Cumulative Plus Project

 Nearest Air Monitoring Station measuring CO:
 40733 Chapel Way in Fremont

Background 1-hour CO Concentration (ppm): 2.9
Background 8-hour CO Concentration (ppm): 1.8
Persistence Factor: 0.7
Analysis Year: 2030

			No. of		eed
		Roadway T	ype Lanes	A.M.	P.M.
North-South Roadway:	Carlos Bee	AT GRAI	DE 8	5	5
East-West Roadway:	Hayward Blvd	AT GRAI	DE 4	5	5

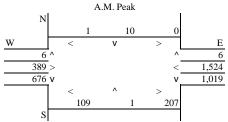
EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

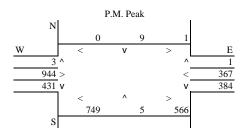
Air Basin: San Francisco Bay Arc County: All

Assumes lowest mean wintertime temperature of 40 degrees F and 30% humidity.

	Average Speed (miles per hour)									
Year	454	8	11	14	17	20_	23	26	▲ 29	32
2007	11		· 5	•	· 5	. /	55 4	3	14	4
2008	·/s	-4	· 54	. 4	· 43	55	5.4	/. <u>4</u>	4 5	/.'
2009	· 5	./ '	. 9'	5 [/]	54/3	54	4	/.	/.° 4	. 4
2010			5	54	744	⁷ 5	/.	. 5	4 4	5 4
2011	. 4	- 4	54 4	744	454	/. ⁰	• 4	.5	//	3/
2012	. /	54	744	14	7.7	. 4	./ `			· 55
2013	5 3	944	1.7	∕· 5		./ `			. 4	. 4 4
2014	4	4 5	· 5	. 5	. 4			. 4	5/	.//
2015	∕ 5	/. 3	.4		. /		· 5	./ `	. 4	· 5
2020	. 44		./ `		٠ ج	· 444	• 54	. 4	. /	.55
2025	. //	- 5	· 4	- 5	.5	.///	. 9.	. /		
2030	· 5		/			· 5		· 5		· 5

PEAK HOUR TURNING VOLUMES





Approach/Departure

Representative Traffic Volumes (Vehicles per Hour)

N-S Road 2,022 N-S Road 2,144

Project Title:

Project Title: CSU Hayward Campus Master Plan-No Hayward Connection

Intersection: Harder Rd./West Loop Rd
Analysis Condition: Cumulative Plus Project
Nearest Air Monitoring Station measuring CO: 40733 Chapel Way in Fremont

Background 1-hour CO Concentration (ppm): 2.9
Background 8-hour CO Concentration (ppm): 1.8
Persistence Factor: 0.7
Analysis Year: 2030

				Approach	Departure
			No. of Speed		eed
		Roadway Type	Lanes	A.M.	P.M.
North-South Roadway:	West Loop Road	AT GRADE	2	5	5
East-West Roadway:	Harder Road	AT GRADE	4	5	5

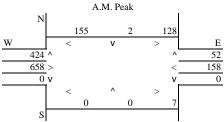
EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

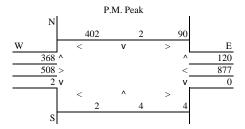
Air Basin: San Francisco Bay ArcCounty: All

Assumes lowest mean wintertime temperature of 40 degrees F and 30% humidity.

	Average Speed (miles per hour)									
Year	454	8	11	14	17	20_	23	26	▲ 29	32
2007	/4/		· 5		· 5	. /	55 4	3	4	4
2008	√ 5	•4	· 54	. 4	44	55	5.4	/ ₄	4 5	/.·
2009	·š	./	. 9	5 ′	54	54	4	/.·	/· 4	4
2010			5	54	44	⁷ -5	1.	· 5	4 4	5 4
2011	• 4	. 4	54 4	744	454	/.	· 4	·5ັ	11	. /
2012	. /	54	7.4.4	/4	7. 7	· 4	./			· 55
2013	5 5	744	1./	∕. 5		./		•	• 4	• 4 4
2014	4:	4 5	· 5	. 5	. 4			• 4	·5 [/]	./ /
2015	∕.5	/.	:4		. /		· · 5	1	4	· 5
2020	44	•	./	•	· 5	444	• 54	4	. /	.55
2025	. //	· 5	• 4	· 5	·5 ·	111	. 7	. /	•	•
2030	· 5		./			· 5		· 5		· 5

PEAK HOUR TURNING VOLUMES





Approach/Departure

Representative Traffic Volumes (Vehicles per Hour)

N-S Road 761 N-S Road 986

CSU Hayward Campus Master Plan-No Hayward Connection Project Title:

Intersection: Foothill Blvd./Mattox Rd./Castro Valley Blvd

Analysis Condition:

Cumulative Plus Project 40733 Chapel Way in Fremont Nearest Air Monitoring Station measuring CO: Background 1-hour CO Concentration (ppm):

2.9 Background 8-hour CO Concentration (ppm): 1.8 Persistence Factor: 0.7 Analysis Year: 2030

Analysis Year:		2030					
					Approach	/Departure	
				No. of	Spe	eed	
			Roadway Type	Lanes	A.M.	P.M.	
North-South Roadway:	Foothill Blvd		AT GRADE	4	5	5	
East-West Roadway:	Mattox Road		AT GRADE	4	5	5	

EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

Air Basin: San Francisco Bay A0

Project Title: CSU Hayward Campus Master Plan-No Hayward Connection

 Intersection:
 Foothill Blvd./Grove Way

 Analysis Condition:
 Cumulative Plus Project

 Nearest Air Monitoring Station measuring CO:
 40733 Chapel Way in Fremont

Nearest Air Monitoring Station measuring CO: 4073.

Background 1-hour CO Concentration (ppm): 2.9

Background 8-hour CO Concentration (ppm): 1.8

Persistence Factor: 0.7

Analysis Year: 2030

				Approach/	/Departure
			No. of Speed		eed
		Roadway Type	Lanes	A.M.	P.M.
North-South Roadway:	Foothill Blvd	AT GRADE	6	5	5
East-West Roadway:	Grove Way	AT GRADE	2	5	5

EMFAC2007 COMPOSITE EMISSION FACTORS FOR CO

Air Basin: San Francisco Bay Are

CSU Hayward Campus Master Plan-No Hayward Connection Foothill Blvd./D St Project Title:

Intersection: Analysis Condition: Nearest Air Monitoring Station measuring CO: Background 1-hour CO Concentration (ppm): Cumulative Plus Project 40733 Chapel Way in Fremont

Project Title: CSU Hayward Campus Master Plan-No Hayward Connection Intersection: Foothill Blvd./Mission Blvd./Jackson St./E St

Project Title: CSU Hayward Campus Master Plan-No Hayward Connection

 Intersection:
 Mission Blvd./Highland Blvd

 Analysis Condition:
 Cumulative Plus Project

 Nearest Air Monitoring Station measuring CO:
 40733 Chapel Way in Fremont

Nearest Air Monitoring Station measuring CO: 40732
Background 1-hour CO Concentration (ppm): 2.9
Background 8-hour CO Concentration (ppm): 1.8
Persistence Factor: 0.7
Analysis Year: 2030

Analysis Year:		2030					
					Approach	/Departure	
				No. of	Spe	eed	
			Roadway Type	Lanes	A.M.	P.M.	
North-South Roadway:	Mission Blvd		AT GRADE	4	5	5	
East-West Roadway:	Highland Blvd		AT GRADE	2	5	5	

CSU Hayward Campus Master Plan-No Hayward Connection Project Title:

Intersection: Mission Blvd./Harder Rd Cumulative Plus Project 40733 Chapel Way in Fremont Analysis Condition: Nearest Air Monitoring Station measuring CO:

Background 1-hour CO Concentration (ppm): 2.9 Background 8-hour CO Concentration (ppm): 1.8 Persistence Factor: 0.7 Analysis Year: 2030

Approach/Departure No. of

Speed

Roadway Type P.M. Lanes North-South Roadway: Mission Blvd AT GRADE

Project Title: CSU Hayward Campus Master Plan-No Hayward Connection

Intersection: Jackson St./Santa Clara St./Harder Rd

Analysis Condition: Cumulative Plus Project

Nearest Air Monitoring Station measuring CO: 40733 Chapel Way in Fremont

Background 1-hour CO Concentration (ppm): 2.9
Background 8-hour CO Concentration (ppm): 1.8