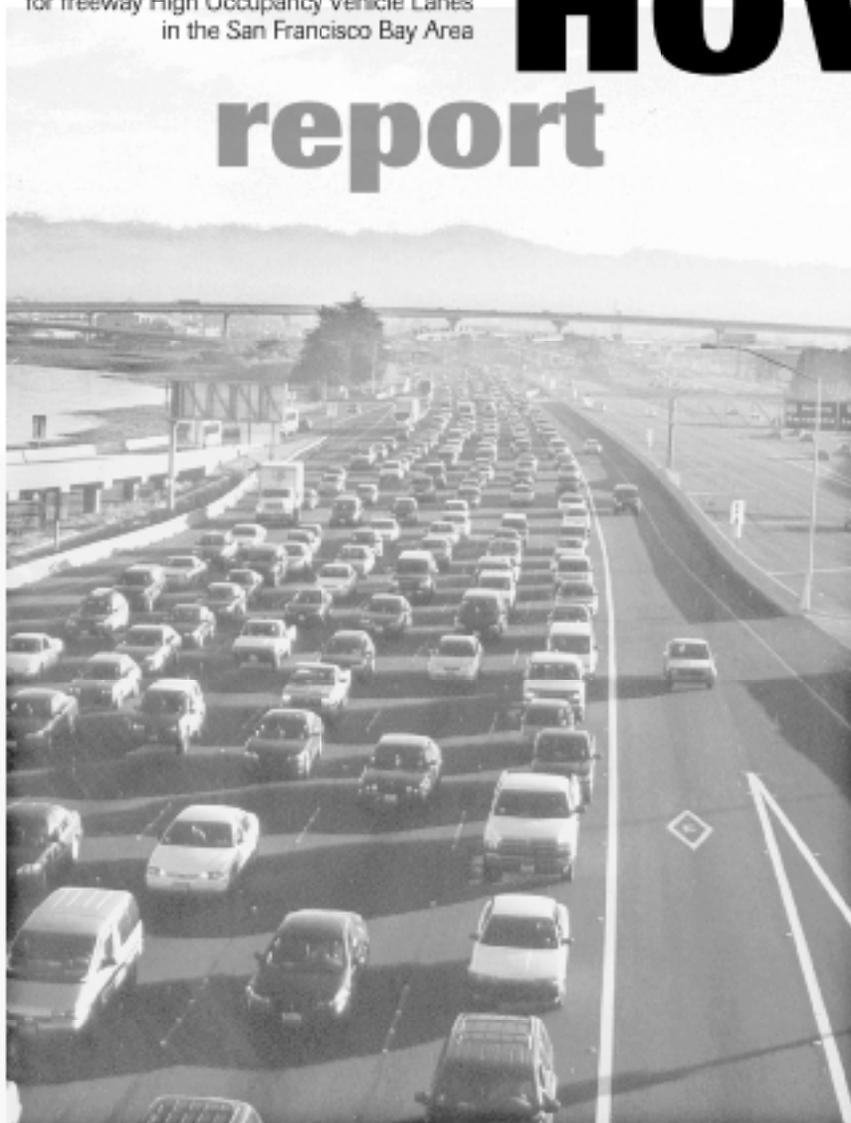


# 1999

Volumes, occupancies, and violation rates  
for freeway High Occupancy Vehicle Lanes  
in the San Francisco Bay Area

# HOV

# report



**December 1999**

California Department of Transportation  
District 4, Oakland, Office of Highway Operations



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# INTRODUCTION

**T**he ANNUAL HOVL REPORT is prepared by the Office of Highway Operations in District 4 of the California Department of Transportation (Caltrans). This report contains information concerning the High Occupancy Vehicle (HOV) lanes on the San Francisco Bay Area freeway system. Traffic performance data for 1999 for all mainline HOV lanes and HOV toll gates are provided, including volumes, vehicle occupancies, and violation rates. Data for this report is collected twice annually — once in the Spring and once in the Fall — when normal commute traffic patterns and conditions generally occur. Volumes and occupancy data for HOV bypass lanes at metered freeway on-ramps are not included in this annual report. However, general information on these ramps is included.

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## ACKNOWLEDGMENTS

The following Caltrans personnel contributed to the preparation of this report:

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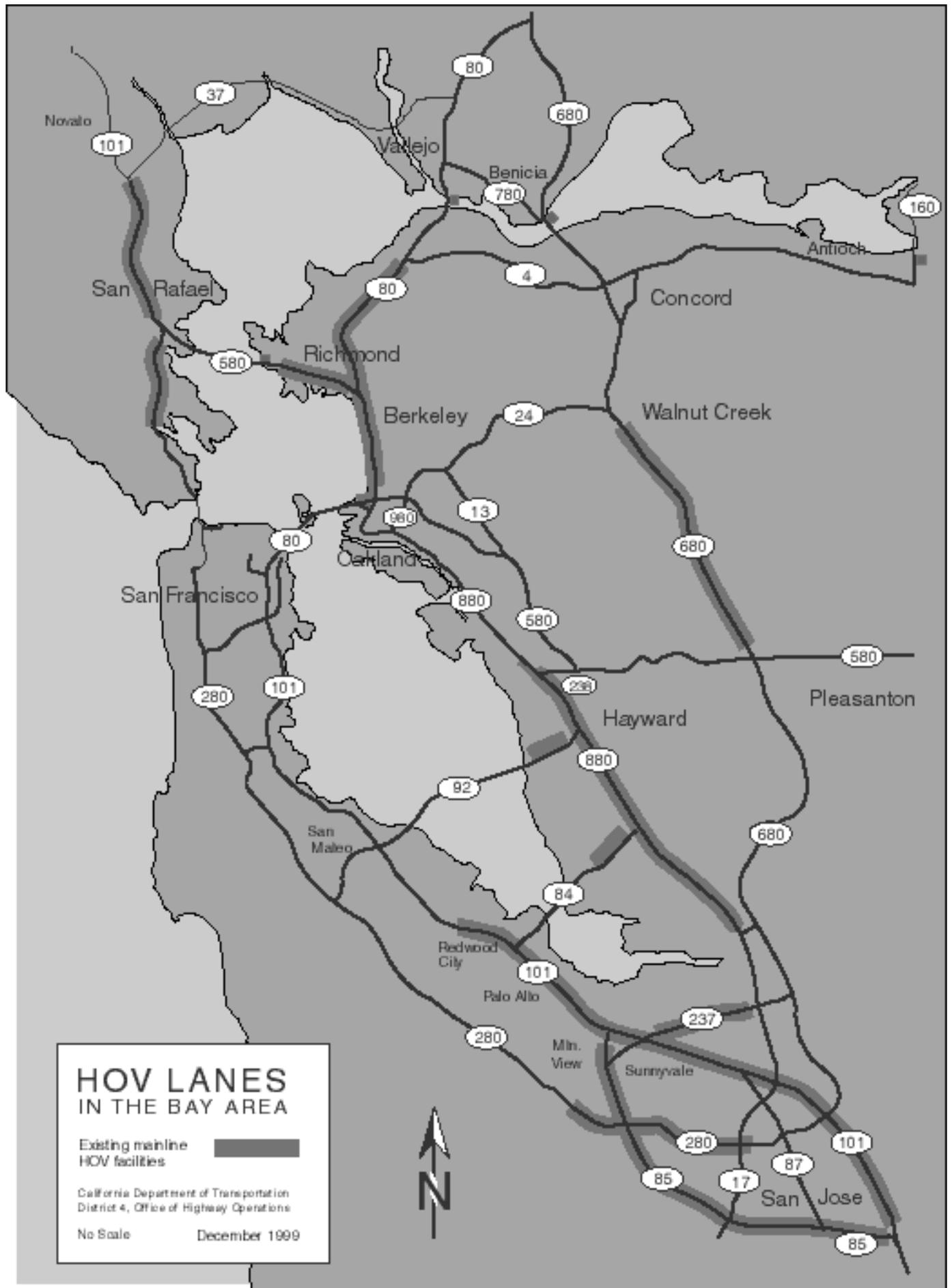
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# District 4

## EXISTING MAINLINE HOV LANES

Route	Dir	Limits	Lane-miles	Min. occ.	Period of operation *	
ALA-80	W/B	Bay Bridge Toll Plaza	2.9	3+	5-10 AM	3- 7 PM
ALA-80	W/B	Contra Costa Co Line to Powell St	4.2	3+	5-10 AM	3- 7 PM
	E/B	Powell St to Contra Costa Co Line	4.2	3+	5-10 AM	3- 7 PM
ALA-84	W/B	East approach to Dumbarton Bridge	1.8	2+	5-10 AM	3- 6 PM
ALA-92	W/B	East approach to San Mateo Bridge	2.0	2+	5-10 AM	3- 6 PM
ALA-880	S/B	Marina Blvd to Mission Blvd	20.3	2+	5- 9 AM	3- 7 PM
	N/B	Mission Blvd to South of Rte 238 I/C	16.9	2+	5- 9 AM	3- 7 PM
ALA-880	N/B	16th Street to SFOBB Toll Plaza	1.2	3+	5- 10 AM	3- 7 PM
CC-80	W/B	Rte 4 to Alameda County Line	9.7	3+	5-10 AM	3- 7 PM
	E/B	Alameda County Line to Rte 4	9.9	3+	5-10 AM	3- 7 PM
CC-580	W/B	Central Ave to Marine St	5.3	2+		5- 6 PM
	E/B	Marine St to Central Ave	4.9	2+	7- 8 AM	
CC-680	S/B	Livorna Rd to Alcosta Blvd	12.6	2+	6- 9 AM	3- 6 PM
	N/B	Alcosta Blvd to Livorna Rd	11.9	2+	6- 9 AM	3- 6 PM
MRN-101	S/B	Greenbrae ped o/c to Strawberry ped o/c	3.7	2+	6:30-8:30	AM
	N/B	S/O Richardson Bay Br to Corte Madera	3.5	2+	4:30-7:00	PM
MRN-101	S/B	Rte 37 to San Pedro Rd	6.1	2+	6:30-8:30	AM
	N/B	San Pedro Rd to Rte 37	6.1	2+	4:30-7:00	PM
SCL-85	S/B	Rte 101 (Mountain View) to Bernal Rd	23.3	2+	5- 9 AM	3- 7 PM
	N/B	Rte 101 (So. San Jose) to Rte 101 (Mt. View)	23.8	2+	5- 9 AM	3- 7 PM
SCL-101	S/B	San Mateo Co. Line to Bernal Rd	25.0	2+	5- 9 AM	3- 7 PM
	N/B	Bernal Rd to San Mateo Co. Line	24.2	2+	5- 9 AM	3- 7 PM
SCL-237	W/B	Rte 880 to Mathilda Ave	5.2	2+	5- 9 AM	3- 7 PM
	E/B	Mathilda Ave to one mile w/o Rte 880	5.1	2+	5- 9 AM	3- 7 PM
SCL-280	S/B	Magdalena Ave to Meridian Ave	11.2	2+	5- 9 AM	3- 7 PM
	N/B	Leland Ave to Magdalena Ave	10.7	2+	5- 9 AM	3- 7 PM
SM-101	S/B	Whipple Ave to Santa Clara Co. Line	6.6	2+	5- 9 AM	3- 7 PM
	N/B	Santa Clara Co. Line to Whipple Ave	6.6	2+	5- 9 AM	3- 7 PM
SOL-80	E/B	Carquinez Bridge Toll Plaza	0.1	3+	5-10 AM	3- 7 PM

**TOTAL EXISTING LANE-MILES 269.0**

\* **NOTE:** All HOV lanes currently operate Monday thru Friday.

# District 4

## METERED ON-RAMPS with HOV BYPASS LANES

Route	Dir	Ramp	Hours	HOVL metered?	Date opened	Notes
SCI-85	NB	Bernal Rd diag	24 hrs	Yes	Aug 26, 1994	
SCI-85	NB	NB Rte 101 connector	5-9am & 3-7pm	Yes	Aug 26, 1994	Monday - Friday
SCI-85	NB	Great Oaks Blvd diag	24 hrs	Yes	Aug 19, 1994	
SCI-85	NB	Cottle Rd diag	24 hrs	Yes	Aug 19, 1994	
SCI-85	NB	Blossom Hill Rd loop	24 hrs	Yes	Aug 19, 1994	
SCI-85	NB	Santa Teresa Blvd loop	24 hrs	Yes	Oct 19, 1994	
SCI-85	NB	Almaden Expwy (nb) loop	24 hrs	Yes	Mar 19, 1999	
SCI-85	NB	Bascom Ave diag	24 hrs	Yes	Oct 19, 1994	
SCI-85	NB	Winchester Blvd diag	24 hrs	Yes	Nov 14, 1994	
SCI-85	NB	Saratoga Ave diag	24 hrs	Yes	Oct 20, 1994	
SCI-85	SB	Almaden Expwy diag	24 hrs	Yes	Oct. 19, 1994	
SCI-85	SB	Bascom Ave diag	24 hrs	Yes	Oct 19, 1994	
SCI-85	SB	Camden Ave diag	24 hrs	Yes	Apr 4, 1995	
SCI-85	SB	Stevens Creek diag	24 hrs	Yes	Oct 19, 1994	
SCI-101	NB	Bernal Rd loop	24 hrs	Yes	Jun 10, 1996	
SCI-101	NB	Blossom Hill diag	24 hrs	Yes	Jun 23, 1992	
SCI-101	NB	SB Rte 680 connector	6-9 am	No	Sep 2, 1982	Monday - Friday
SCI-101	NB	Guadalupe Pkwy connector	6-9 am	Yes	Feb 12, 1980	Monday - Friday
SCI-101	NB	Trimble Rd diag	24 hrs	Yes	Nov 1, 1991	
SCI-101	NB	Montague Expwy diag	6-9 am	No	Feb 12, 1980	Monday - Friday
SCL-101	NB	Lawrence Expwy (nb) loop	24 hrs	Yes	Mar 8, 1999	
SCL-101	NB	Lawrence Expwy (sb)diag	24 hrs	Yes	Mar 8, 1999	
SCI-101	NB	San Tomas Expwy loop	6-9 am	No	Feb 12, 1980	Monday - Friday
SCI-101	NB	Capitol Expwy diag	24 hrs	Yes	Jul 11, 1997	
SCI-237	EB	Great America Pkwy diag	24 hrs	Yes	Sep 24, 1996	
SCI-237	EB	N. First Street diag	24 hrs	Yes	Sep 24, 1996	
SCI-237	EB	Zanker Rd diag	24 hrs	Yes	Sep 24, 1996	
SCI-237	EB	Lawrence Expwy diag	24 hrs	Yes	Aug. 14, 1998	
SCI-280	NB	Wolfe Rd loop	6-9 am	Yes	Jun 8, 1976	Monday - Friday
SCI-280	SB	Wolfe Rd loop	24 hrs	Yes	Apr 27, 1993	
SCI-280	SB	Wolfe Rd diag	24 hrs	Yes	Apr 27, 1993	
SCI-280	SB	De Anza Blvd diag	24 hrs	Yes	Apr 27, 1993	
Ala-880	NB	Fremont Blvd loop	24 hrs	Yes	Oct 20, 1999	
Ala-880	NB	Auto Mall Pkwy(Durham) loop	24 hrs	Yes	Oct 20, 1999	
Ala-880	NB	Auto Mall Pkwy(Durham)diag	24 hrs	Yes	Oct 20, 1999	
Ala-880	NB	Stevenson Blvd. diagonal	24 hrs	Yes	Oct 20, 1999	
Ala-880	NB	E/B Mowry Ave loop	24 hrs	Yes	Oct 20, 1999	
Ala-880	NB	Thornton Ave loop	24 hrs	Yes	Oct 20, 1999	
Ala-880	NB	Thornton Ave diagonal	24 hrs	Yes	Oct 20, 1999	
Ala-880	NB	Alvarado-Fremont Blvd diag	24 hrs	Yes	Oct 20, 1999	

## District 4 METERED ON-RAMPS with HOV BYPASS LANES

Route	Dir	Ramp	Hours	HOVL metered?	Date opened	Notes
Ala-880	NB	Alvarado-Niles Rd diagonal	24 hrs	Yes	Oct 20, 1999	
Ala-880	NB	Industrial Parkway diagonal	24 hrs	Yes	Dec 3, 1996	
Ala-880	NB	Tennyson Rd diag	24 hrs	Yes	Dec 3, 1996	
Ala-880	NB	West A-Street diag	24 hrs	Yes	Dec 3, 1996	
Ala-880	NB	Lewelling Blvd diagonal	24 hrs	Yes	Apr 28, 1999	
Ala-880	NB	98th Ave loop	24 hrs	Yes	Apr 28, 1999	
Ala-880	NB	E/B 23rd Ave. diag	24 hrs	Yes	Apr 28, 1999	
Ala-880	SB	Fremont Blvd. diag	24 hrs	Yes	Oct 19, 1999	
Ala-880	SB	Fremont Blvd. loop	24 hrs	Yes	Oct 19, 1999	
Ala-880	SB	Auto Mall Pkwy(Durham)Diag	24 hrs	Yes	Oct 19, 1999	
Ala-880	SB	Auto Mall Pkwy(Durham)loop	24 hrs	Yes	Oct 19, 1999	
Ala-880	SB	W/B Mowry Ave loop	24 hrs	Yes	Oct 19, 1999	
Ala-880	SB	Thornton Ave. diagonal	24 hrs	Yes	Oct 19, 1999	
Ala-880	SB	Thornton Ave. loop	24 hrs	Yes	Oct 19, 1999	
Ala-880	SB	Alvarado-Fremont Blvd diag	24 hrs	Yes	Oct 19, 1999	
Ala-880	SB	Alvarado-Niles Rd diagonal	24 hrs	Yes	Oct 19, 1999	
Ala-880	SB	Alvarado-Niles Rd loop	24 hrs	Yes	Oct 19, 1999	
Ala-880	SB	Whipple Rd diag	24 hrs	Yes	Oct 29, 1996	
Ala-880	SB	Tennyson Rd diag	24 hrs	Yes	Oct 29, 1996	
Ala-880	SB	Winton Ave diag	24 hrs	Yes	Oct 29, 1996	
Ala-880	SB	West A-Street diag	24 hrs	Yes	Oct 29, 1996	
Ala-880	SB	E/B Davis St(Route 112) diag	24 hrs	Yes	Apr 27, 1999	
Ala-880	SB	W/B Davis St(Route 112)loop	24 hrs	Yes	Apr 27, 1999	
Ala-880	SB	98th Ave diagonal	24 hrs	Yes	Apr 27, 1999	
Ala-880	SB	Hegenberger diagonal	24 hrs	Yes	Apr 27, 1999	
Ala-880	SB	Oak St. diagonal	24 hrs	Yes	Apr 27, 1999	

### NOTES

- (a) Minimum occupancy requirement for all HOV bypass lanes is two persons per vehicle.
- (b) Motorcycles are permitted.
- (c) Bypass lane restrictions are in effect 7 days a week unless noted otherwise.

## NON-METERED HOV LANE ON-RAMP

Route	Dir	Ramp	Hours	HOVL metered?	Date opened	Notes
SF-80	EB	Sterling St on-ramp to SFOBB	3:30-7:00 PM	No	Aug 30, 1982	

### NOTES

- (a) Minimum occupancy requirement is 3 or more persons per vehicle.
- (b) 2 - seater vehicles with 2 persons, and motorcycles are permitted.

# HOV LANE PEAK HOUR VOLUMES

			A.M.	P.M.
			Peak Hr (veh)	Peak Hr (veh)
<b>ALA-80</b>	WB	Bay Bridge Toll Plaza	3492	856
<b>ALA-80</b>	WB	Contra Costa County Line to Powell St	1503	658
	EB	Powell St to Contra Costa County Line	182	1242
<b>ALA-84</b>	WB	Dumbarton Bridge Toll Plaza	1626	354
<b>ALA-92</b>	WB	San Mateo Bridge Toll Plaza	1132	407
<b>ALA-880</b>	SB	Marina Blvd to Whipple Road	1169	745
		Whipple Road to Mission Blvd.	694	734
	NB	Mission Blvd to Whipple Road	346	1120
		Whipple Road to South of Rte 238 I/C	694	867
<b>ALA-880</b>	NB	16th St to SFOBB Toll Plaza	1501	179
<b>CC-80</b>	WB	Route 4 to Alameda County Line	1146	301
	EB	Alameda County Line to Route 4	206	794
<b>CC-580</b>	WB	Central Ave to Marine St	—	324
	EB	Marine St to Central Ave	275	—
<b>CC-680</b>	SB	Livorna Rd. to Alcosta Blvd.	767	662
	NB	Alcosta Blvd. to Livorna Rd.	621	1119
<b>MRN-101</b>	SB	Rte 37 to N. San Pedro Rd	1217	—
		Greenbrae I/C to Richardson Bay Bridge	712	—
	NB	Richardson Bay Bridge to Greenbrae I/C	—	733
		N. San Pedro Rd to Rte 37	—	853
<b>SCL-85</b>	SB	Rte 101 (Mountain View) to Rte 280	316	1168
		Rte 280 to Almaden Expwy	194	1123
		Almaden Expwy to Rte 101 (So. San Jose)	434	824
	NB	Rte 101 (So. San Jose) to Almaden Expwy	770	362
		Almaden Expwy to Rte 280	1188	405
		Rte 280 to Rte 101 (Mountain View)	919	311
<b>SCL-101</b>	SB	San Mateo Co. Line to Ellis St	1047	969
		Ellis St to Guadalupe Pkwy	393	1342
		Guadalupe Pkwy to 101/280/680 I/C	161	1056
		101/280/680 I/C to Bernal Rd	221	702
	NB	Bernal Rd to 101/280/680 I/C	1045	407
		101/280/680 I/C to Guadalupe Pkwy	1692	637
		Guadalupe Pkwy to Ellis St	636	735
		Ellis St to San Mateo Co. Line	736	911
<b>SCL-237</b>	WB	Rte 880 to Mathilda Ave	881	473
	EB	Mathilda Ave to Rte 880	341	831
<b>SCL-280</b>	SB	Magdalena Ave to Leland Ave	264	792
	NB	Leland Ave to Magdalena Ave	855	426
<b>SM-101</b>	SB	Whipple Ave to Santa Clara Co. Line	828	777
	NB	Santa Clara Co. Line to Whipple Ave	781	1080
<b>SOL-80</b>	EB	Carquinez Bridge Toll Plaza	208	782

# 1999 PEAK HOUR HOV & non-HOV LANE COMPARISONS

			% of all Vehicles		% of all Persons				
			in HOVL	in Non-HOVL	in HOVL	in Non-HOVL	Number of Non-HOV Lanes	in Non-HOVL (Avg in each Non-HOVL)	
									AM
ALA-80	WB	Bay Bridge Toll Plaza	AM	36%	64%	64%	36%	18	2%
			PM	10%	90%	26%	74%	18	4%
SOL-80	EB	Carquinez Bridge	AM	9%	91%	21%	79%	11	7%
			PM	15%	85%	39%	61%	11	6%
ALA-84	WB	Dumbarton Bridge Toll Plaza	AM	31%	69%	51%	49%	2	25%
			PM	21%	79%	37%	63%	2	32%
ALA-92	WB	San Mateo Bridge Toll Plaza	AM	25%	75%	45%	55%	2	27%
			PM	14%	86%	27%	73%	2	36%
ALA-80	WB	Contra Costa County Line to Powell Street	AM	19%	81%	41%	59%	4	15%
			PM	10%	90%	23%	77%	4	19%
	EB	Powell Street to Contra Costa County Line	AM	3%	97%	7%	93%	4	23%
			PM	16%	84%	34%	66%	4	16%
ALA-880	SB	Marina Blvd to Mission Blvd	AM	19%	81%	36%	64%	3	21%
			PM	15%	85%	27%	73%	3	24%
	NB	Whipple Rd to Marina Blvd	AM	12%	88%	21%	79%	3	26%
			PM	16%	84%	23%	77%	3	26%
		16th Street to SFOBB Toll Plaza	AM	57%	43%	82%	18%	2	9%
			PM	12%	88%	32%	68%	2	34%
CC-80	WB	Route 4 to Alameda County Line	AM	19%	81%	38%	62%	3	21%
			PM	7%	93%	17%	83%	3	28%
	EB	Alameda County Line to Route 4	AM	6%	94%	14%	86%	3	29%
			PM	12%	88%	31%	69%	3	23%
CC-580***	WB	Central Ave to Marine St	PM	9%	91%	16%	84%	2	42%
	EB	Marine St to Central Ave	AM	11%	89%	16%	84%	2	42%
CC-680	SB	Livorna Rd to Alcosta Blvd	AM	12%	88%	24%	76%	3	25%
			PM	11%	89%	21%	79%	3	26%
	NB	Alcosta Blvd to Livorna Rd	AM	11%	89%	22%	78%	3	26%
			PM	17%	83%	33%	67%	3	22%
MRN-101	SB	Rte 37 to N. San Pedro Rd	AM	20%	80%	41%	59%	3	20%
			AM	13%	87%	31%	69%	3	23%
	NB	Richardson Bay Brdg to Greenbrae I/C	PM	12%	88%	30%	70%	3	23%
			PM	13%	87%	25%	75%	3	25%
SM-101	SB	Whipple Ave to Santa Clara Co. Line	AM	15%	85%	31%	69%	3	23%
			PM	14%	86%	23%	77%	3	26%
	NB	Santa Clara Co. Line to Whipple Ave	AM	14%	86%	23%	77%	3	26%
			PM	18%	82%	29%	71%	3	24%
SCL-85	SB	Rte 101 (Mtn View) to Rte 280	AM	8%	92%	14%	86%	2	43%
			PM	28%	72%	47%	53%	2	27%
		Rte 280 to Almaden Expwy	AM	5%	95%	11%	89%	2	44%
			PM	22%	78%	36%	64%	2	32%
		Almaden Expwy to Rte 101 (So. San Jose)	AM	13%	87%	22%	78%	2	39%
			PM	19%	81%	29%	71%	2	35%
	NB	Rte 101 (So. San Jose) to Almaden Expwy	AM	21%	79%	33%	67%	2	33%
			PM	11%	89%	18%	82%	2	41%
		Almaden Expwy to Rte 280	AM	28%	72%	45%	55%	2	28%
			PM	10%	90%	18%	82%	2	41%
		Rte 280 to Rte 101 (Mtn View)	AM	18%	82%	29%	71%	2	35%
			PM	10%	90%	19%	81%	2	41%
SCL-101	SB	San Mateo Co. Line to Ellis St	AM	16%	84%	27%	73%	3	24%
			PM	16%	84%	28%	72%	3	24%
		Ellis St to Guadalupe Pkwy	AM	8%	92%	13%	87%	3	29%
			PM	23%	77%	37%	63%	3	21%
		Guadalupe Pkwy to 101/280/680 I/C	AM	8%	92%	13%	87%	3	29%
			PM	17%	83%	29%	71%	3	24%
	101/280/680 I/C to Bernal Rd	AM	7%	93%	12%	88%	3	29%	
		PM	15%	85%	26%	74%	3	25%	
	NB	Bernal Rd to 101/280/680 I/C	AM	20%	80%	37%	63%	3	21%
			PM	10%	90%	16%	84%	3	28%
		101/280/680 I/C to Guadalupe Pkwy	AM	25%	75%	39%	61%	3	20%
			PM	14%	86%	26%	74%	3	25%
Guadalupe Pkwy to Ellis St		AM	11%	89%	19%	81%	3	27%	
		PM	14%	86%	24%	76%	3	25%	
Ellis St to San Mateo Co. Line	AM	12%	88%	26%	74%	3	25%		
	PM	15%	85%	26%	74%	3	25%		
SCL-237	WB	Rte 880 to Mathilda Ave	AM	19%	81%	33%	67%	2	33%
			PM	12%	88%	22%	78%	2	39%
	EB	Mathilda Ave to Rte 880	AM	8%	92%	13%	87%	2	44%
			PM	23%	77%	39%	61%	2	31%
SCL-280	SB	Magdalena Ave to Leland Ave	AM	6%	94%	11%	89%	3	30%
			PM	13%	87%	28%	72%	3	24%
	NB	Leland Ave to Magdalena Ave	AM	13%	87%	23%	77%	3	26%
			PM	7%	93%	15%	85%	3	28%

\* Total in 4 HOVL's. The Avg per HOVL is 16% each in the AM and 6.5% in the PM.

\*\* Total in 4 HOVL's. The Avg per HOVL is 9% each in the AM and 2.5% in the PM.

\*\*\* This facility is currently being reevaluated for continued operations.

## HOV LANE PEAK PERIOD VIOLATION RATE SUMMARY

			A.M.	P.M.
<b>ALA-80</b>	WB	Bay Bridge Toll Plaza	19.5%	10.6%
<b>ALA-80</b>	WB	Contra Costa County Line to Powell St	11.0%	21.4%
	EB	Powell St to Contra Costa County Line	20.9%	1.3%
<b>ALA-84</b>	WB	Dumbarton Bridge Toll Plaza	0.4%	1.6%
<b>ALA-92</b>	WB	San Mateo Bridge Toll Plaza	9.4%	3.2%
<b>ALA-880</b>	SB	Marina Blvd to Whipple Road	5.7%	4.3%
		Whipple Road to Mission Blvd.	3.7%	20.7%
	NB	Mission Blvd to Whipple Road	13.2%	4.6%
		Whipple Road to South of Rte 238 I/C	8.1%	26.5%
<b>ALA-880</b>	NB	16th St to SFOBB Toll Plaza	3.1%	16.5%
<b>CC-80</b>	WB	Rte 4 to Alameda County Line	11.1%	18.5%
	EB	Alameda County Line to Rte 4	26.9%	9.5%
<b>CC-580</b>	WB	Central Ave to Marine St	—	33.0%
	EB	Marine St to Central Ave	34.2%	—
<b>CC-680</b>	SB	Livorna Rd. to Alcosta Blvd.	3.1%	7.2%
	NB	Alcosta Blvd. to Livorna Rd.	7.1%	4.9%
<b>MRN-101</b>	SB	Rte 37 to N. San Pedro Rd	1.8%	—
		Greenbrae I/C to Richardson Bay Bridge	2.3%	—
	NB	Richardson Bay Bridge to Greenbrae I/C	—	1.9%
		N. San Pedro Rd to Rte 37	—	4.0%
<b>SCL-85</b>	SB	Rte 101 (Mountain View) to Rte 280	9.4%	1.4%
		Rte 280 to Almaden Expwy	0.3%	0.2%
		Almaden Expwy to Rte 101 (So. San Jose)	0.0%	2.5%
	NB	Rte 101 (So. San Jose) to Almaden Expwy	1.1%	6.5%
		Almaden Expwy to Rte 280	3.0%	8.7%
		Rte 280 to Rte 101 (Mountain View)	4.9%	1.2%
<b>SCL-101</b>	SB	San Mateo Co. Line to Ellis St	3.3%	1.2%
		Ellis St to Guadalupe Pkwy	1.8%	2.3%
		Guadalupe Pkwy to 101/280/680 I/C	9.5%	0.4%
		101/280/680 I/C to Bernal Rd	0.9%	4.6%
	NB	Bernal Rd to 101/280/680 I/C	4.9%	5.1%
		101/280/680 I/C to Guadalupe Pkwy	2.9%	4.3%
		Guadalupe Pkwy to Ellis St	0.5%	3.5%
		Ellis St to San Mateo Co. Line	2.5%	1.5%
<b>SCL-237</b>	WB	Rte 880 to Mathilda Ave	1.9%	0.6%
	EB	Mathilda Ave to one mile w/o Rte 880	11.4%	3.0%
<b>SCL-280</b>	SB	Magdalena Ave to Leland Ave	0.3%	4.9%
	NB	Leland Ave to Magdalena Ave	0.3%	0.2%
<b>SM-101</b>	SB	Whipple Ave to Santa Clara Co. Line	5.2%	0.5%
	NB	Santa Clara Co. Line to Whipple Ave	0.5%	8.5%
<b>SOL-80</b>	EB	Carquinez Bridge Toll Plaza	26.2%	12.9%

# 1999 HOV LANE PEAK HOUR TIME SAVINGS

			Non-HOV Travel Time (minutes)	HOVL Travel Time (minutes)	TIME SAVINGS (minutes)			
ALA-80	WB	Bay Bridge Toll Plaza	AM	20	2	18		
			PM	6	2	4		
ALA-80	WB	Contra Costa County Line to Powell St	AM	15	12	3		
			PM	10	4	6		
	EB	Powell St to Contra Costa County Line	AM	5	5	0		
			PM	9	5	4		
ALA-84	WB	Dumbarton Bridge Toll Plaza	AM	18	2	16		
			PM	2	2	0		
ALA-92	WB	San Mateo Bridge Toll Plaza	AM	5	2	3		
			PM	3	2	1		
ALA-880	SB	Marina Blvd. to Whipple Road	AM	22	8	14		
			PM	10	8	2		
			Whipple Road to Mission Blvd	AM	35	10	25	
				PM	10	10	0	
	NB	Mission Blvd. to Whipple Road	AM	10	10	0		
			PM	19	10	9		
		Whipple Road to South of Rte 238 I/C	AM	5	5	0		
			PM	13	5	8		
ALA-880	NB	16th St to SFOBB Toll Plaza	AM	19	1	18		
			PM	6	1	5		
CC-80	WB	Rte 4 to Alameda County Line	AM	22	11	11		
			PM	11	11	0		
	EB	Alameda County Line to Rte 4	AM	10	10	0		
			PM	15	10	5		
CC-580	EB	Marine St to Central Ave	AM	5	5	0		
			PM	6	6	0		
CC-680	SB	Livorna Rd to Alcosta Blvd	AM	19	12	7		
			PM	12	12	0		
	NB	Alcosta Blvd to Livorna Rd	AM	12	11	1		
			PM	17	11	6		
MRN-101	SB	Rte 37 to N. San Pedro Rd Greenbrae I/C to Richardson Bay Brdg	AM	28	22	6		
			AM	4	4	0		
	NB	Richardson Bay Brdg to Greenbrae I/C N. San Pedro Rd to Rte 37	PM	10	5	5		
			PM	7	5	2		
SCL-85	SB	Rte 101 (Mtn View) to Rte 280	AM	7	7	0		
			PM	13	7	6		
				AM	13	13	0	
			Rte 280 to Almaden Expwy	PM	22	13	9	
					AM	7	7	0
				PM	8	7	1	
	NB	Rte 101 (So. San Jose) to Almaden Expwy	AM	13	7	6		
			PM	7	7	0		
				AM	19	14	5	
			PM	14	14	0		
		Rte 280 to Rte 101 (Mtn View)	AM	15	7	8		
			PM	7	7	0		
SCL-101	SB	San Mateo Co. Line to Ellis St	AM	10	6	4		
			PM	10	6	4		
			Ellis St to Guadalupe Pkwy	AM	9	8	1	
				PM	12	8	4	
			Guadalupe Pkwy to 101/280/680 I/C	AM	6	6	0	
				PM	11	7	4	
			101/280/680 I/C to Bernal Rd	AM	9	8	1	
				PM	9	9	0	
	NB	Bernal Rd to 101/280/680 I/C	AM	10	8	2		
			PM	10	8	2		
				101/280/680 I/C to Guadalupe Pkwy	AM	24	13	11
					PM	6	6	0
			Guadalupe Pkwy to Ellis St	AM	8	8	0	
				PM	9	8	1	
		Ellis St to San Mateo Co. Line	AM	10	6	4		
			PM	12	6	6		
SCL-237	WB	Rte 880 to Mathilda Ave	AM	11	7	4		
			PM	14	7	7		
	EB	Mathilda Ave to Rte 880	AM	11	7	4		
			PM	21	10	11		
SCL-280	SB	Magdalena Ave to Leland Ave	AM	11	11	0		
			PM	13	11	2		
	NB	Leland Ave to Magdalena Ave	AM	26	11	15		
			PM	11	11	0		
SM-101	SB	Whipple Ave to Santa Clara Co. Line	AM	14	7	7		
			PM	12	7	5		
	NB	Santa Clara Co. Line to Whipple Ave	AM	9	7	2		
			PM	20	7	13		
SOL-80	EB	Carquinez Bridge Toll Plaza	AM	1	1	0		
			PM	1	1	0		

# District 4

## MAINLINE HOV LANES

### ALA-80: San Francisco-Oakland Bay Bridge Toll Plaza

OCCUPANCY	Three or more persons per vehicle, motorcycles permitted, 2-seat vehicles with 2 persons	
WESTBOUND	HOURS: 5:00 - 10:00 AM, 3:00 - 7:00 PM, Monday thru Friday	
	LIMITS:	<p>Lane 1: Route 880 left side HOV ramp to metering signals Length = 0.4 mile</p> <p>Lane 2: Route 580 connector to metering signals Length = 1.1 miles</p> <p>Lane 21: Route 880 right side HOV ramp to metering signals Length = 0.6 mile</p> <p>Lane 22: HOV slip ramp to metering signals Length = 0.8 miles</p>
	DATES:	<p>Apr 17, 1970 Opened; Buses only</p> <p>Dec 8, 1971 Carpools permitted; min. occ. three persons per vehicle</p> <p>Feb 2, 1979 Buses only in lane 17; 6:30-8:30, Mon-Fri-only lane on W. Grand Ave, approached from Maritime on-ramp to toll plaza; temporary measure in response to BART tube closure</p> <p>Apr 17, 1979 Bus-only in lane 17 &amp; W. Grand Ave approach made permanent; W. Grand Ave slip ramp designated for buses only; hours of operation changed to 6:00-9:00 AM, Mon-Fri; lane 8 reverted to mixed flow; carpools permitted to use lane 10 during AM peak</p> <p>Oct 12, 1981 Opened; lanes 18 &amp; 19; buses only, 24 hours/day, 7 days/week; carpools permitted, 6:00-9:00 AM, Mon-Fri; lane 17 reverted to mixed flow</p> <p>Jul 18, 1983 Lanes 8 &amp; 9 reverted to mixed flow; lane 1 converted to HOV; lanes 18/19 merge moved from downstream of toll plaza to downstream of metering signals</p> <p>Apr 22, 1986 Mini toll plaza (lane 18, 19, 20) opened; right side HOV lanes designated as lanes 21 &amp; 22</p> <p>Nov 3, 1989 Lane 2 converted to HOV; left HOVL extended upstream to 32nd St on-ramp; AM HOV hours changed to 5:00- 10:00 AM, Mon-Fri</p> <p>Mar 1, 1992 Motorcycles permitted</p> <p>Oct 1, 1995 Two-seat vehicles with two occupants permitted</p> <p>Apr 8, 1997 HOV slip ramp approaching right side of toll plaza opened; buses only, 24 hours/day, 7 days/week; carpools/motorcycles OK, 5:00-10:00 AM, 3:00-6:00 PM, Mon-Fri</p> <p>Jul 23, 1997 Route 880 right side HOV ramp opened; buses only, 24 hours/day, 7 days/week; carpools/motorcycles OK, 5:00-10:00 AM; 3:00-6:00 PM, Mon-Fri</p> <p>Feb. 2, 1998 PM Hours of operation changed to 3:00-7:00 PM</p> <p>May 16, 1998 Route 880 left side HOV ramp opened; buses/carpools/motorcycles only, 5:00-10:00 AM, 3:00-7:00 PM, Mon-Fri</p>

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## ALA-80: Contra Costa County Line to Powell St

OCCUPANCY	Three or more persons per vehicle, motorcycles permitted, 2-seat vehicles with 2 persons
WESTBOUND	HOURS: 5:00 - 10:00 AM, 3:00 - 7:00 PM, Monday thru Friday
	LIMITS: Contra Costa County Line (MP 8.0) to Powell St (MP 3.8) Length = 4.2 miles
	DATES: Feb. 2, 1998 Opened; Contra Costa County Line to Powell St; HOV flyover opened; hours of operation 5:00 AM-7:00 PM, Monday thru Friday
	Aug 3, 1998 Hours of operation changed to 5-10 AM, 3-7 PM, Mon-Fri
EASTBOUND	HOURS: 5:00 - 10:00 AM, 3:00 - 7:00 PM, Monday thru Friday
	LIMITS: Powell St (MP 3.8) to Contra Costa County Line (MP 8.0) Length = 4.2 miles
	DATES: Jul 31, 1998 Opened; Gilman St to Contra Costa County Line
	Aug 3, 1998 Hours of operation changed to 5-10 AM, 3-7 PM, Mon-Fri
	Nov 20, 1998 Extended; Powell St to Gilman St

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## ALA-84: Dumbarton Bridge Toll Plaza

OCCUPANCY	Two or more persons per vehicle, motorcycles permitted
WESTBOUND	HOURS: 5:00 - 10:00 AM, 3:00 - 6:00 PM, Monday thru Friday
	LIMITS: Newark Blvd U/C (MP 4.9) to west of Toll Plaza (MP 3.1) Length = 1.8 miles
	DATES: Oct 6, 1982 Opened with new bridge; 1000-ft long bypass lane at booths
	Nov 22, 1989 Extended due to Loma Prieta quake; Newark Blvd to University Ave
	Nov 17, 1990 Shortened; Newark Blvd to west of Toll Plaza
	Jan 1, 1992 Minimum occupancy reduced from three to two persons per vehicle
NOTE:	HOV lane is located on the left side.

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## ALA-92: San Mateo Bridge Toll Plaza

OCCUPANCY Two or more persons per vehicle, motorcycles permitted

WESTBOUND HOURS: 5:00 - 10:00 AM, 3:00 - 6:00 PM, Monday thru Friday

LIMITS: Clawiter Rd on-ramp (MP 4.5) to west of Toll Plaza (MP 2.5)  
Length = 2.0 miles

DATES: Oct 23, 1989 Opened; Clawiter Rd on-ramp to east of Toll Plaza  
Jan 1, 1992 Minimum occupancy reduced from three to two persons per vehicle  
Jan 15, 1992 Extended; Clawiter Rd on-ramp to west of Toll Plaza

NOTE: HOV lane is located on the right side

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## ALA 880: Marina Blvd to Mission Blvd (Rte 262)

OCCUPANCY Two or more persons per vehicle, motorcycles permitted

SOUTHBOUND HOURS: 5:00 - 9:00 AM, 3:00 - 7:00 PM, Monday thru Friday

LIMITS: Marina Blvd. (MP 22.7) to Mission Blvd. (Rte 262) (MP 2.4)  
Length = 20.3 miles

DATES: Sep 22, 1991 Opened; A-Street to north of Tennyson  
Nov 6, 1991 Extended; Tennyson to Industrial Pkwy  
Jun 26, 1992 Extended; Rte 238 to A-Street  
Nov 18, 1993 Extended; Industrial Pkwy to Whipple Rd  
Dec 1994 Hours of operation changed from 5-10 AM and 3-6 PM to  
5-9 AM, 3-7 PM respectively  
Mar 17, 1995 Extended; Marina Blvd to Rte 238  
Jun 15, 1998 Extended; Whipple Rd. to Alvarado/ Fremont Blvd.  
Oct 23, 1998 Extended; Alvarado/Fremont Blvd. to Mowry Ave.  
Dec 11, 1998 Extended; Mowry Ave. to Mission Blvd. (Rte 262)

NORTHBOUND HOURS: 5:00 - 9:00 AM, 3:00 - 7:00 PM, Monday thru Friday

LIMITS: Mission Blvd. (MP 2.4) to one mile south of Rte 238 (MP 19.3)  
Length = 16.9 miles

DATES: Sep 19, 1991 Opened; north of Tennyson to A-Street  
Nov 8, 1991 Extended; Industrial Pkwy to Tennyson  
Jun 26, 1992 Extended; A-Street to Rte 238  
Dec 3, 1993 Extended; Whipple Rd to Industrial Pkwy  
Dec 1994 Hours of operation changed from 5-10 AM and 3-6 PM to  
5-9 AM, 3-7 PM respectively  
Sep 23, 1996 Shortened; Whipple Rd to one mile south of Rte 238  
Jun 15, 1998 Extended; Alvarado/Fremont Blvd. to Whipple Rd.  
Oct 30, 1998 Extended; Mowry Ave. to Alvarado/Fremont Blvd.  
Nov 30, 1998 Extended; Mission Blvd. (Rte 262) to Mowry Ave.

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## ALA-880: 16th Street to SFOBB Toll Plaza

OCCUPANCY Three or more persons per vehicle, motorcycles permitted,  
2-seat vehicles with 2 persons

NORTHBOUND HOURS: 5:00 - 10:00 AM, 3:00 - 7:00 PM, Monday thru Friday

LIMITS: 16th Street to SFOBB Toll Plaza  
Length = 1.2 miles

DATES: May 16, 1998 Opened; 16th Street to left HOV ramp at SFOBB Toll Plaza

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## CC-80: Route 4 to Alameda County Line

OCCUPANCY Three or more persons per vehicle, motorcycles permitted,  
2-seat vehicles with 2 persons

WESTBOUND HOURS: 5:00 - 10:00 AM, 3:00 - 7:00 PM, Monday thru Friday

LIMITS: Route 4 (MP 9.67) to Alameda County Line (MP 0.0)  
Length = 9.7 miles

DATES: Mar 5, 1997 Opened; Pinole Valley Rd to Cutting Blvd; 5-10 AM, Mon-Fri  
Apr 18, 1997 2-seat vehicles with 2 persons permitted to use HOVL  
May 3, 1997 Extended: Cutting Blvd to Central Ave  
Sep 20, 1997 Extended; Route 4 to Pinole Valley Rd  
Feb 2, 1998 Extended; Central Ave to Alameda County Line;  
Hours of operation changed to 5:00 AM-7:00 PM, Mon-Fri  
Aug 3, 1998 Hours of operation changed to 5-10 AM, 3-7 PM, Mon-Fri

EASTBOUND HOURS: 5:00 - 10:00 AM, 3:00 - 7:00 PM, Monday thru Friday

LIMITS: Alameda County Line (MP 0.0) to West of Route 4 off-ramp (MP 9.9)  
Length = 9.9 miles

DATES: Feb 12, 1997 Opened; San Pablo Dam Rd to Pinole Valley Rd; 3-7 PM, Mon-Fri  
Feb 13, 1997 Extended; Cutting Blvd to San Pablo Dam Rd  
Apr 18, 1997 2-seat vehicles with 2 persons permitted to use HOVL  
May 3, 1997 Extended; Central Ave to Cutting Blvd  
Aug 30, 1997 Extended; Pinole Valley Rd to Route 4  
Feb 2, 1998 Hours of operation changed to 5:00 AM-7:00 PM, Mon-Fri  
Aug 3, 1998 Hours of operation changed to 5-10 AM, 3-7 PM, Mon-Fri  
Extended; Central Ave to Alameda County Line

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## CC-580: Marine St to Central Ave

(This facility is currently being reevaluated for continued operation)

OCCUPANCY	Two or more persons per vehicle, motorcycles permitted (Original minimum occupancy was three or more persons per vehicle and motorcycles)
EASTBOUND	HOURS: 7:00 - 8:00 AM, Monday thru Friday
	LIMITS: Marine St U/C (MP 5.4) to west of Central Ave off-ramp (MP 0.5) Length = 4.9 miles
	DATES: Oct 23, 1989 Opened; Canal Blvd to Central Ave Aug 14, 1990 Hours of operation changed from 6:30-8:30 AM, 4:30-7 PM to 5-10 AM, 3-6 PM respectively. Aug 16, 1991 Hours of operation changed to 7-8 AM Mar 19, 1992 Extended; Marine St to Central Ave
WESTBOUND	HOURS: 5:00 - 6:00 PM, Monday thru Friday
	LIMITS: East of Central Ave off-ramp (MP 0.1) to Marine St U/C (MP 5.4) Length = 5.3 miles
	DATES: Oct 23, 1989 Opened; Central Ave to Canal Blvd Aug 14, 1990 Hours of operation changed from 6:30-8:30 AM, 4:30-7 PM to 5-10 AM, 3-6 PM respectively. Aug 16, 1991 Hours of operation changed to 7-8 AM Mar 19, 1992 Extended; Central Ave to Marine St

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## CC-680: Livorna Rd to Alcosta Blvd.

NORTHBOUND	HOURS: 6:00 - 9:00 AM, 3:00 - 6:00 PM, Monday thru Friday
	LIMITS: 0.4 miles south of Alcosta on-ramp (MP R21.3) to Livorna on-ramp (MP R11.4) Length = 11.9 miles
	DATES: Oct 3, 1994 Opened; Alcosta Blvd on-ramp to Stone Valley Rd on-ramp Feb 6, 1995 Extended; Alcosta Blvd to Livorna Rd on-ramp
SOUTHBOUND	HOURS: 6:00 - 9:00 AM, 3:00 - 6:00 PM, Monday thru Friday
	LIMITS: 0.5 miles north of Livorna Rd off-ramp (MP R11.9) to 0.6 miles south of Alcosta Blvd on-ramp (MP R21.6) Length = 12.6 miles
	DATES: Oct 3, 1994 Opened; Stone Valley Rd on-ramp to Alcosta Blvd on-ramp Feb 6, 1995 Extended; Livorna Rd on-ramp to Alcosta Blvd May 5, 1999 Shortened; Livorna Rd on-ramp to north of Alcosta Blvd off-ramp

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## MRN-101: Richardson Bay Bridge to Greenbrae I/C

OCCUPANCY	Two or more persons per vehicle, motorcycles permitted	
SOUTHBOUND	HOURS:	6:30 - 8:30 AM, Monday thru Friday
	LIMITS:	North of Greenbrae ped OC (MP 8.4) to south of Strawberry ped OC (MP 4.7) Length = 3.7 miles
	DATES:	Dec 23, 1974    Opened; buses only Jun 16, 1976    Carpools permitted; min. occ. three persons per vehicle Oct 1, 1988     Minimum occupancy reduced from three to two persons per vehicle Sep 23, 1990    Motorcycles permitted Jul 13, 1998    HOV hours extended to 5:00-9:00 AM Dec 14, 1998    Extended hours cancelled
NORTHBOUND	HOURS:	4:30 - 7:00 PM, Monday thru Friday
	LIMITS:	South of Richardson Bay Bridge (MP 4.0) to north of Corte Madera O/C (MP 7.5) Length = 3.5 miles
	DATES:	Dec 20, 1974    Opened; buses only Jun 15, 1976    Carpools permitted; min. occ. three persons per vehicle Oct 1, 1988     Minimum occupancy reduced from three to two persons per vehicle Sep 23, 1990    Motorcycles permitted Jul 13, 1998    HOV hours extended to 3:00-7:00 PM Dec 14, 1998    Extended hours cancelled

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## MRN-101: North San Pedro Rd to Rte 37

OCCUPANCY	Two or more persons per vehicle, motorcycles permitted	
SOUTHBOUND	HOURS:	6:30 - 8:30 AM, Monday thru Friday
	LIMITS:	Route 37/S. Novato Blvd (MP 18.9) to north of San Pedro U/C (MP 12.8) Length = 6.1 miles
	DATES:	Jul 24, 1987    Opened; Marinwood to North San Pedro Rd Oct 1, 1988     Minimum occupancy reduced from three to two persons per vehicle Sep 23, 1990    Motorcycles permitted Feb 8, 1991     Extended; Marinwood to Rte 37 Jul 13, 1998    HOV hours extended to 5:00-9:00 AM Dec 14, 1998    Extended hours cancelled
NORTHBOUND	HOURS:	4:30 - 7:00 PM, Monday thru Friday
	LIMITS:	North of San Pedro U/C (MP 12.8) to Route 37/S. Novato Blvd (MP 18.9) Length = 6.1 miles
	DATES:	Aug 12, 1986    Opened; North San Pedro to Marinwood Oct 1, 1988     Minimum occupancy reduced from three to two persons per vehicle Sep 23, 1990    Motorcycles permitted Feb 21, 1991    Extended; Marinwood to Rte 37 Jul 13, 1998    HOV hours extended to 3:00-7:00 PM Dec 14, 1998    Extended hours cancelled

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## SCL-85: Rte 101 (Mountain View) to Rte 101(So. San Jose)

OCCUPANCY	Two or more persons per vehicle, motorcycles permitted	
SOUTHBOUND	HOURS:	5:00 - 9:00 AM, 3:00 - 7:00 PM, Monday thru Friday
	LIMITS:	Rte 101 (MP 23.8) to Bernal Rd (MP 0.5) Length = 23.3 miles
	DATES:	Apr 25, 1990    Opened; Rte 237 to Rte 280 Aug 12, 1994    New section; Almaden Expwy to Bernal Rd Oct 19, 1994    Extended; Rte 280 to Almaden Expwy Nov 13, 1998    Extended; Rte 101 (Mountain View) to Rte 237
NORTHBOUND	HOURS:	5:00 - 9:00 AM, 3:00 - 7:00 PM, Monday thru Friday
	LIMITS:	Rte 85/101 connector ramp in So. San Jose (MP 0.0) to Rte 101 in Mountain View (MP 23.8) Length = 23.8 miles
	DATES:	Feb 22, 1990    Opened; Rte 280 to Rte 237 Aug 12, 1994    New section; Rte 101 (So. San Jose) to Almaden Expwy Oct 19, 1994    Extended; Almaden Expwy to Rte 280 Nov 6, 1998    Extended; Rte 237 to Rte 101 (Mountain View)

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## SCL-101: San Mateo County Line to Bernal Rd

OCCUPANCY	Two or more persons per vehicle, motorcycles permitted	
SOUTHBOUND	HOURS:	5:00 - 9:00 AM, 3:00 - 7:00 PM, Monday thru Friday
	LIMITS:	San Mateo County Line (M 52.6) to 0.5 mile north of Bernal Rd off-ramp (MP 27.6) Length = 25.0 miles
	DATES:	Nov 10, 1986    Opened; Lawrence Expwy to De La Cruz Blvd Aug 8, 1988    Extended; Ellis St to Lawrence Expwy Oct 10, 1988    Extended; N. Rengstorff Ave to Ellis St Dec 12, 1988    Extended; San Mateo Co. Line to N. Rengstorff Ave Jun 15, 1990    New section; Rte 101/280/680 I/C to north of Bernal Rd Jan 29, 1993    Extended; Rte 880 to Rte 101/280/680 I/C Apr 5, 1993    Extended; De La Cruz Blvd to Rte 880
NORTHBOUND	HOURS:	5:00 - 9:00 AM, 3:00 - 7:00 PM, Monday thru Friday
	LIMITS:	Bernal Rd loop on-ramp (MP 27.0) to San Mateo County Line (MP 51.2) Length = 24.2 miles
	DATES:	Nov 7, 1986    Opened; Guadalupe Pkwy to Great America Pkwy Oct 10, 1988    Extended; Great America Pkwy to N. Rengstorff Ave Dec 12, 1988    Extended; N. Rengstorff Ave to San Mateo Co. Line Jun 7, 1990    New section; Bernal Rd to Rte 101/280/680 I/C Feb 1, 1993    Extended; Rte 101/280/680 I/C to Old Oakland Rd Apr 5, 1993    Extended; Old Oakland Rd to Guadalupe Pkwy



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## SM-101: Whipple Ave to Santa Clara County Line

OCCUPANCY Two or more persons per vehicle, motorcycles permitted

SOUTHBOUND HOURS: 5:00 - 9:00 AM, 3:00 - 7:00 PM, Monday thru Friday

LIMITS: Whipple Ave (MP 6.6) to Santa Clara Co. Line (MP 0.0)  
Length = 6.6 miles

DATES: Jul 18, 1991 Opened

NORTHBOUND HOURS: 5:00 - 9:00 AM, 3:00 - 7:00 PM, Monday thru Friday

LIMITS: Santa Clara Co. Line (MP 0.0) to Whipple Ave (MP 6.6)  
Length = 6.6 miles

DATES: Jul 16, 1991 Opened

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## SOL-80: Carquinez Bridge Toll Plaza

OCCUPANCY Three or more persons per vehicle, motorcycles permitted,  
2-seat vehicles with 2 persons

EASTBOUND HOURS: 5:00 - 10:00 AM, 3:00 - 7:00 PM, Monday thru Friday

LIMITS: 0.1 miles West of Toll Plaza (MP 0.5) to east of Toll Plaza (MP 0.6)  
Length = 0.1 mile

DATES: Jul 1, 1991 Reduced 10c toll tickets for HOVs (with purchase of 50-ticket book)  
Oct 1, 1995 Toll-free passage in designated booth only;  
Two-seat vehicles with two occupants permitted  
Jul 30, 1997 Opened; West of Toll Plaza to east of Toll Plaza

NOTE: HOV lane is located in toll booth #6

# District 4

## TOLL BRIDGE HOV BYPASS LANES

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### Benicia, Antioch Bridges

OCCUPANCY	Three or more persons per vehicle, motorcycles permitted, two-seat vehicles with two occupants	
HOURS	5:00 - 10:00 AM, 3:00 - 7:00 PM, Monday thru Friday	
TOLL-FREE BOOTH	Benicia	#4, #5
	Antioch	Any booth
DATES	Jul 1, 1991	Reduced 10¢ toll tickets for HOVs (with purchase of 50-ticket book)
	Oct 1, 1995	Toll-free passage in designated booth only; Two-seat vehicles with two occupants permitted

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### Richmond-San Rafael Bridge

OCCUPANCY	Three or more persons per vehicle, motorcycles permitted, two-seat vehicles with two occupants	
HOURS	5:00 - 10:00 AM, 3:00 - 6:00 PM, Monday thru Friday	
TOLL-FREE BOOTH	#8	
DATES	Oct. 23, 1989	Toll-free passage in designated booth only;
	Oct 1, 1995	Two-seat vehicles with two occupants permitted

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### San Mateo, Dumbarton Bridges

OCCUPANCY	Two or more persons per vehicle, motorcycles permitted	
HOURS	5:00 - 10:00 AM, 3:00 - 6:00 PM, Monday thru Friday	
TOLL-FREE BOOTH	San Mateo	Right side bypass lane
	Dumbarton	Left side bypass lane
DATES	See information in Mainline HOV Lane section	

# District 4

## TOLL BRIDGE HOV BYPASS LANES

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### San Francisco-Oakland Bay Bridge

OCCUPANCY	Three or more persons per vehicle, motorcycles permitted, two-seat vehicles with two occupants
HOURS	5:00 - 10:00 AM, 3:00 - 7:00 PM, Monday thru Friday
TOLL-FREE BOOTHS	#1, #2, Lanes 21 & 22
DATES	See information in Mainline HOV Lane section

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### Carquinez Bridge

OCCUPANCY	Three or more persons per vehicle, motorcycles permitted, two-seat vehicles with two occupants
HOURS	5:00 - 10:00 AM, 3:00 - 7:00 PM, Monday thru Friday
TOLL-FREE BOOTHS	# 6
DATES	See information in Mainline HOV lane section