Appendix N-1 – Intersection Counts

NATIONAL DATA AND SURVEYING SERVICES

Axle Count

Project # 10-4347-001

Location: La Media Rd & SR 905 City: Otay Mesa Date: 11/9/2010 Day: Tuesday

	LANES:	1	1	0	0	1	0	1	3	1	1	3	0
		NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR
7:00	CARS	18	2	0	2	0	5	11	239	40	12	164	9
	2-axle	3	0	0	0	0	0	0	2	0	1	3	0
	3-axle	1	1	0	3	1	0	0	1	1	0	9	1
	4-axle	2	0	0	3	1	0	0	2	0	1	3	0
	5-axle +	5	0	1	1	2	0	2	14	7	3	18	0
7:15	CARS	20	2	2	0	0	7	15	280	32	20	178	5
	2-axle	1	0	0	0	0	0	1	3	1	1	2	0
	3-axle	6	1	0	1	0	0	0	8	3	1	3	5
	4-axle	0	2	1	0	1	1	0	3	2	0	2	2
	5-axle +	6	2	0	2	5	4	1	8	4	2	11	1
7:30	CARS	9	4	4	3	2	5	15	304	64	18	225	6
	2-axle	2	0	0	1	1	0	0	6	1	1	10	0
	3-axle	0	1	0	3	1	2	0	2	2	0	3	2
	4-axle	1	0	0	0	1	1	0	1	0	0	0	0
	5-axle +	4	0	1	0	1	7	4	10	6	2	18	1
7:45	CARS	17	1	4	6	4	8	36	403	98	23	217	8
	2-axle	3	0	0	1	2	1	0	3	2	0	1	1
	3-axle	1	3	1	4	1	0	0	3	4	2	2	2
	4-axle	0	0	0	1	1	0	0	3	0	0	0	0
	5-axle +	8	0	1	3	4	2	1	8	12	2	13	7
8:00	CARS	23	5	10	0	2	4	14	313	82	24	140	7
	2-axle	5	0	0	0	1	0	0	5	4	2	6	1
	3-axle	1	1	0	1	3	0	0	8	2	0	5	4
	4-axle	0	0	0	1	1	0	0	0	0	0	0	0
	5-axle +	1	0	0	1	2	1	2	13	16	1	17	7
8:15	CARS	7	4	6	2	5	9	10	256	46	20	173	10
	2-axle	0	0	1	0	0	0	0	3	2	1	11	0
	3-axle	4	0	3	2	3	1	1	5	1	2	4	1
	4-axle	0	0	1	0	0	0	0	5	1	0	0	0
	5-axle +	8	3	2	1	8	2	0	20	16	0	16	3
8:30	CARS	9	9	4	6	1	6	18	187	49	14	173	5
	2-axle	8	0	0	3	0	3	1	6	1	0	6	1
	3-axle	1	2	1	3	5	4	1	2	3	2	6	4
	4-axle	1	0	0	1	0	1	0	0	0	0	3	0
	5-axle +	12	3	0	2	4	9	6	11	19	4	25	2
8:45	CARS	14	3	4	4	8	4	25	258	49	17	191	8
	2-axle	5	1	1	0	0	1	1	7	2	0	11	2
	3-axle	2	2	1	1	1	0	1	5	6	2	6	2
	4-axle	1	0	1	0	0	0	0	0	0	0	2	0
	5-axle +	6	2	1	3	2	5	7	21	12	4	19	8

MOVEMENT TOTALS

CARS	117	30	34	23	22	48	144	2240	460	148	1461	58
2-axle	27	1	2	5	4	5	3	35	13	6	50	5
3-axle	16	11	6	18	15	7	3	34	22	9	38	21
4-axle	5	2	3	6	5	3	0	14	3	1	10	2
5-axle +	50	10	6	13	28	30	23	105	92	18	137	29
TOTALS	215	54	51	65	74	93	173	2428	590	182	1696	115
	NL	*NT*	*NR*	*SL*	*ST*	*SR*	*EL*	*ET*	*ER*	*WL*	*WT*	*WR*

PM Peak Hr Begins at: 730 AM

PEAK VOLUMES =	94	22	34	30	43	43	83	1371	359	98	861	60
PEAK HR. FACTOR:		0.815			0.763			0.791			0.891	

CONTROL: Signalized

NATIONAL DATA AND SURVEYING SERVICES

Axle Count

Project # 10-4347-001

Location: La Media Rd & SR 905 City: Otay Mesa Date: 11/9/2010 Day: Tuesday

	LANES:	1	1	0	0	1	0	1	3	1	1	3	0
		NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR
16:00	CARS	48	7	17	4	4	23	3	276	28	11	431	6
	2-axle	1	0	0	0	0	1	0	10	5	1	9	0
	3-axle	0	1	0	0	3	0	1	2	3	0	4	0
	4-axle	1	0	0	0	0	0	0	1	0	0	2	0
	5-axle +	8	2	2	2	5	3	6	12	19	0	15	6
16:15	CARS	51	1	3	18	3	15	6	269	33	11	308	1
	2-axle	0	2	0	0	0	0	0	6	5	0	5	0
	3-axle	0	0	0	1	2	0	0	2	2	2	1	0
	4-axle	1	0	0	1	0	0	0	1	1	1	3	0
	5-axle +	9	2	6	3	5	5	5	19	22	5	15	9
16:30	CARS	51	12	12	4	6	11	6	281	18	4	295	4
	2-axle	2	0	0	0	0	1	0	7	10	0	2	0
	3-axle	2	1	0	2	0	0	0	1	5	0	1	0
	4-axle	1	0	0	0	0	0	0	2	4	0	2	0
	5-axle +	5	3	2	4	3	2	4	25	19	1	18	10
16:45	CARS	41	1	5	8	2	15	12	297	29	11	305	2
	2-axle	6	0	0	1	1	0	1	12	11	1	4	0
	3-axle	0	0	0	1	1	0	0	3	1	0	1	0
	4-axle	1	0	0	0	0	0	0	3	2	0	0	1
	5-axle +	10	2	2	1	4	6	5	18	15	1	23	10
17:00	CARS	55	7	16	12	5	32	14	312	23	6	313	1
	2-axle	1	0	1	0	0	0	3	9	5	0	8	0
	3-axle	2	0	0	2	2	1	0	5	5	0	2	0
	4-axle	1	0	1	0	0	0	0	2	1	0	0	0
	5-axle +	4	2	0	2	9	8	2	14	18	4	6	4
17:15	CARS	60	2	18	12	7	19	5	421	26	6	377	0
	2-axle	1	0	0	0	0	0	1	11	8	0	3	1
	3-axle	1	0	0	0	3	0	0	3	3	0	1	0
	4-axle	2	0	0	0	0	0	1	2	2	0	1	0
	5-axle +	9	4	5	2	4	5	5	7	14	3	14	9
17:30	CARS	28	5	12	10	5	14	5	299	16	12	385	0
	2-axle	0	0	0	0	0	0	0	10	10	1	8	0
	3-axle	0	0	0	0	2	0	0	1	1	0	1	0
	4-axle	0	0	0	0	0	1	0	1	0	0	0	0
	5-axle +	9	0	4	3	4	1	3	12	14	4	17	8
17:45	CARS	55	6	6	3	5	7	7	330	20	16	295	2
	2-axle	2	0	0	0	1	0	1	5	4	2	2	0
	3-axle	0	0	0	1	0	0	0	1	2	1	0	0
	4-axle	1	0	0	0	0	0	0	0	1	0	1	0
	5-axle +	9	2	0	5	7	1	3	11	14	1	15	7

MOVEMENT TOTALS

CARS	389	41	89	71	37	136	58	2485	193	77	2709	16
2-axle	13	2	1	1	2	2	6	70	58	5	41	1
3-axle	5	2	0	7	13	1	1	18	22	3	11	0
4-axle	8	0	1	1	0	1	1	12	11	1	9	1
5-axle +	63	17	21	22	41	31	33	118	135	19	123	63
TOTALS	478	62	112	102	93	171	99	2703	419	105	2893	81
	NL	*NT*	*NR*	*SL*	*ST*	*SR*	*EL*	*ET*	*ER*	*WL*	*WT*	*WR*

PM Peak Hr Begins at: 1645 PM

PEAK VOLUMES =	231	23	64	54	49	102	57	1442	204	49	1469	36
PEAK HR. FACTOR:		0.779			0.702			0.836			0.891	

CONTROL: Signalized

Intersection Turning Movement

Prepared by:

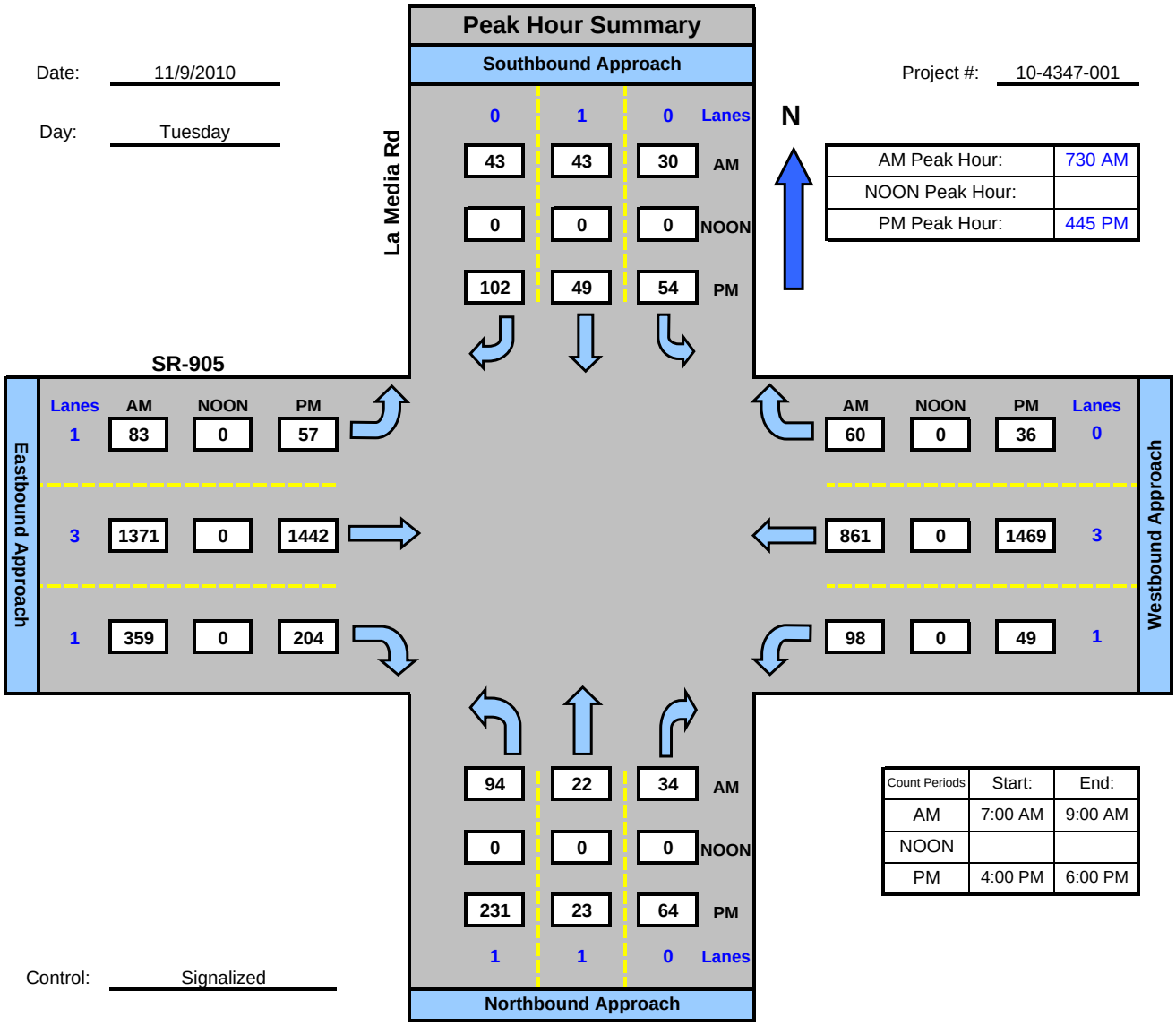
National Data & Surveying Services

La Media Rd and SR-905 , City of Otay Mesa

Date: 11/9/2010

Day: Tuesday

Project #: 10-4347-001



AM Peak Hour:	730 AM
NOON Peak Hour:	
PM Peak Hour:	445 PM

Count Periods	Start:	End:
AM	7:00 AM	9:00 AM
NOON		
PM	4:00 PM	6:00 PM

Control: Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

SR-125 SB Off-Ramp and SR-905 , City of Otay Mesa

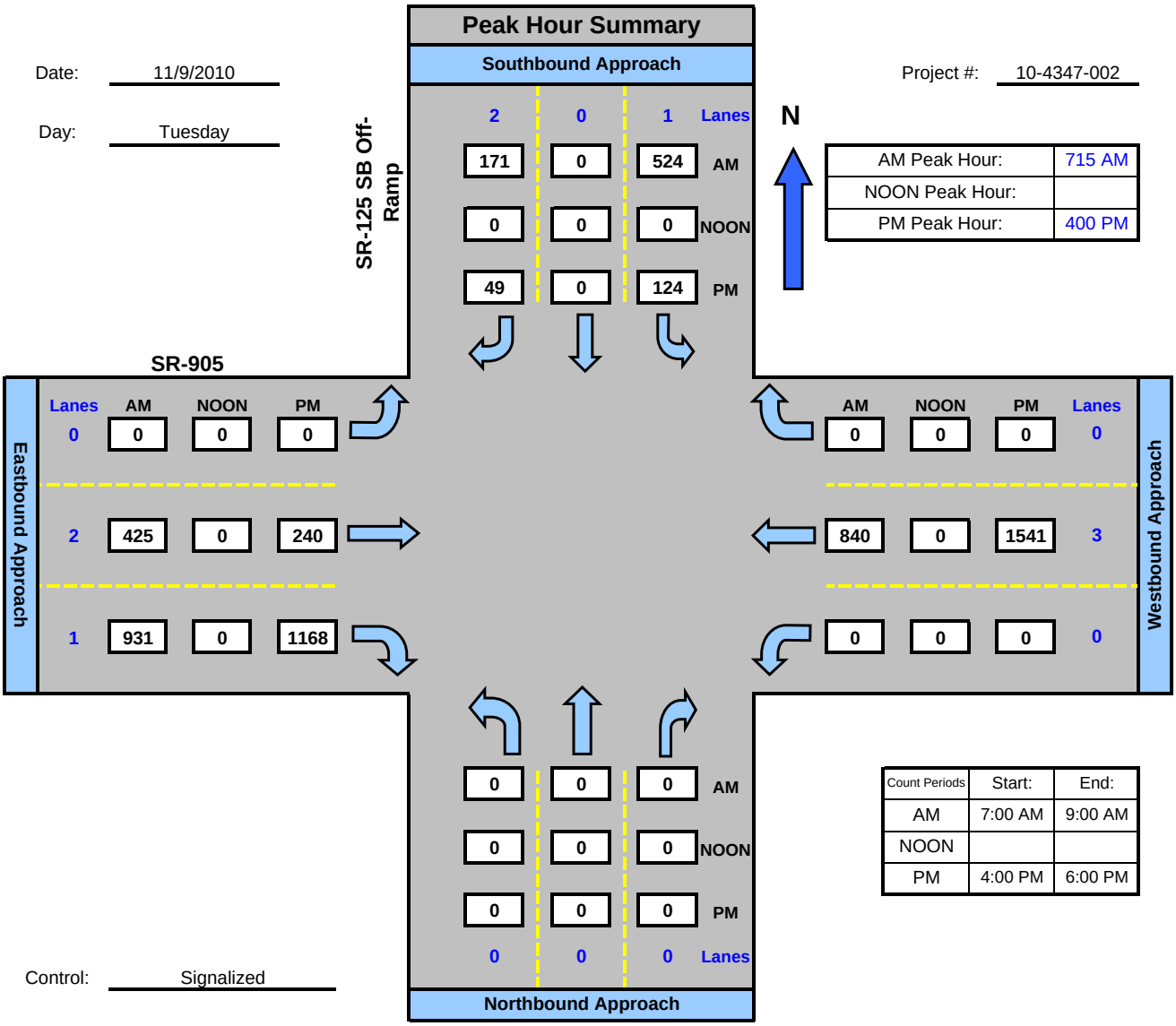
Date: 11/9/2010

Day: Tuesday

Project #: 10-4347-002

N

AM Peak Hour:	715 AM
NOON Peak Hour:	
PM Peak Hour:	400 PM



Count Periods	Start:	End:
AM	7:00 AM	9:00 AM
NOON		
PM	4:00 PM	6:00 PM

Control: Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

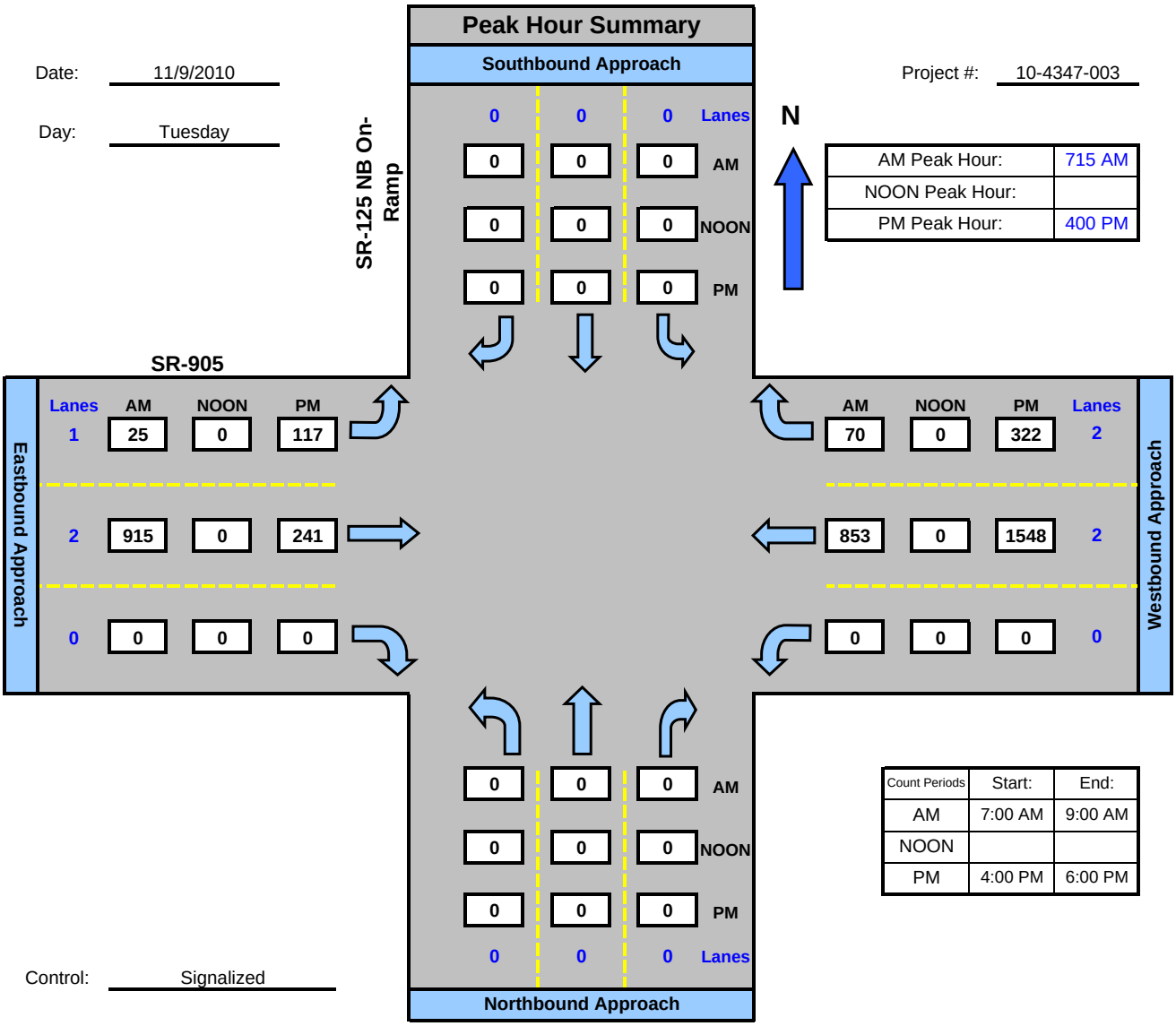
SR-125 NB On-Ramp and SR-905 , City of Otay Mesa

Date: 11/9/2010

Day: Tuesday

Project #: 10-4347-003

AM Peak Hour:	715 AM
NOON Peak Hour:	
PM Peak Hour:	400 PM



Count Periods	Start:	End:
AM	7:00 AM	9:00 AM
NOON		
PM	4:00 PM	6:00 PM

Control: Signalized

Intersection Turning Movement

Prepared by:

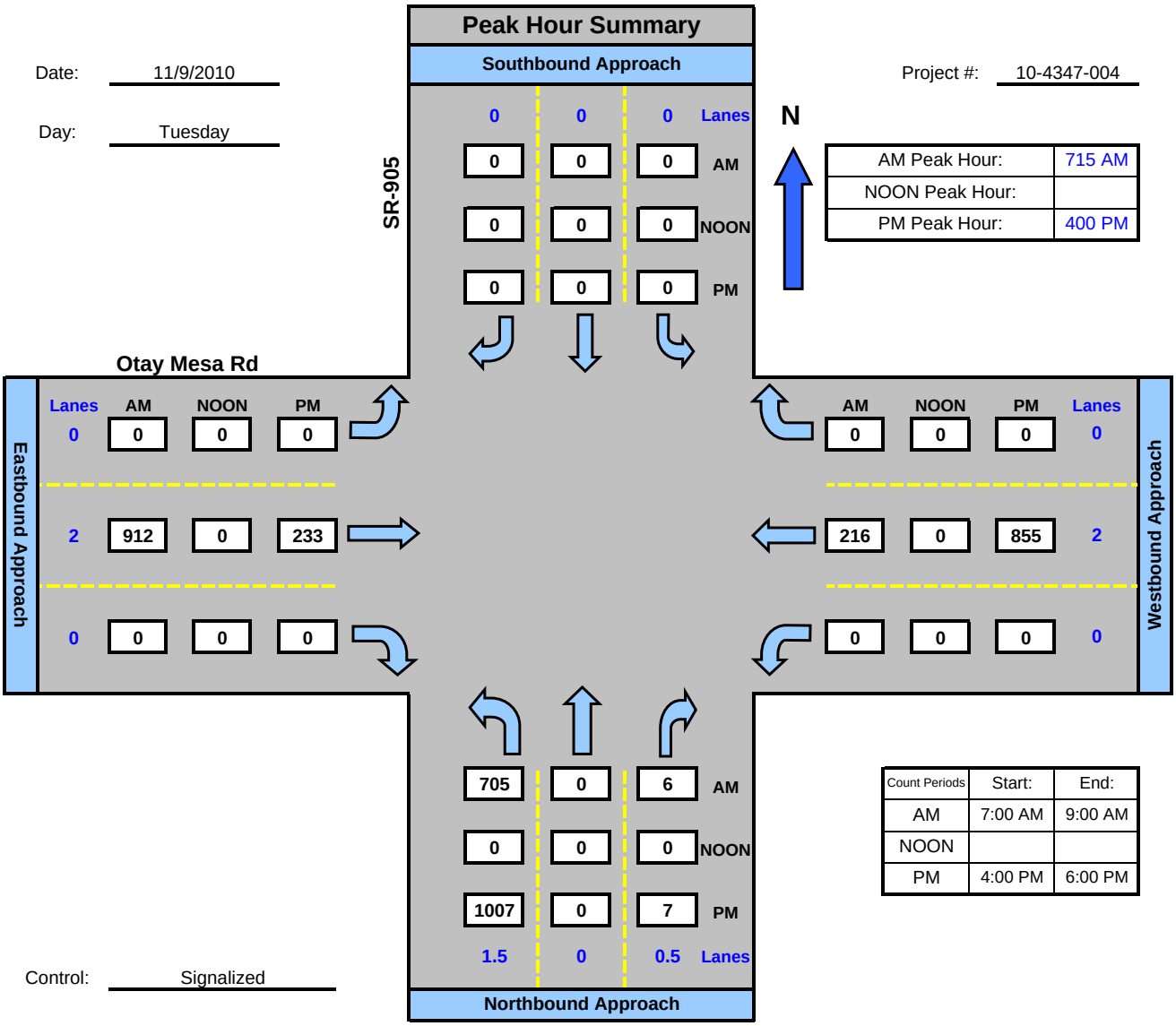
National Data & Surveying Services

SR-905 and Otay Mesa Rd , City of Otay Mesa

Date: 11/9/2010

Day: Tuesday

Project #: 10-4347-004



AM Peak Hour:	715 AM
NOON Peak Hour:	
PM Peak Hour:	400 PM

Count Periods	Start:	End:
AM	7:00 AM	9:00 AM
NOON		
PM	4:00 PM	6:00 PM

Control: Signalized

Intersection Turning Movement

Prepared by:

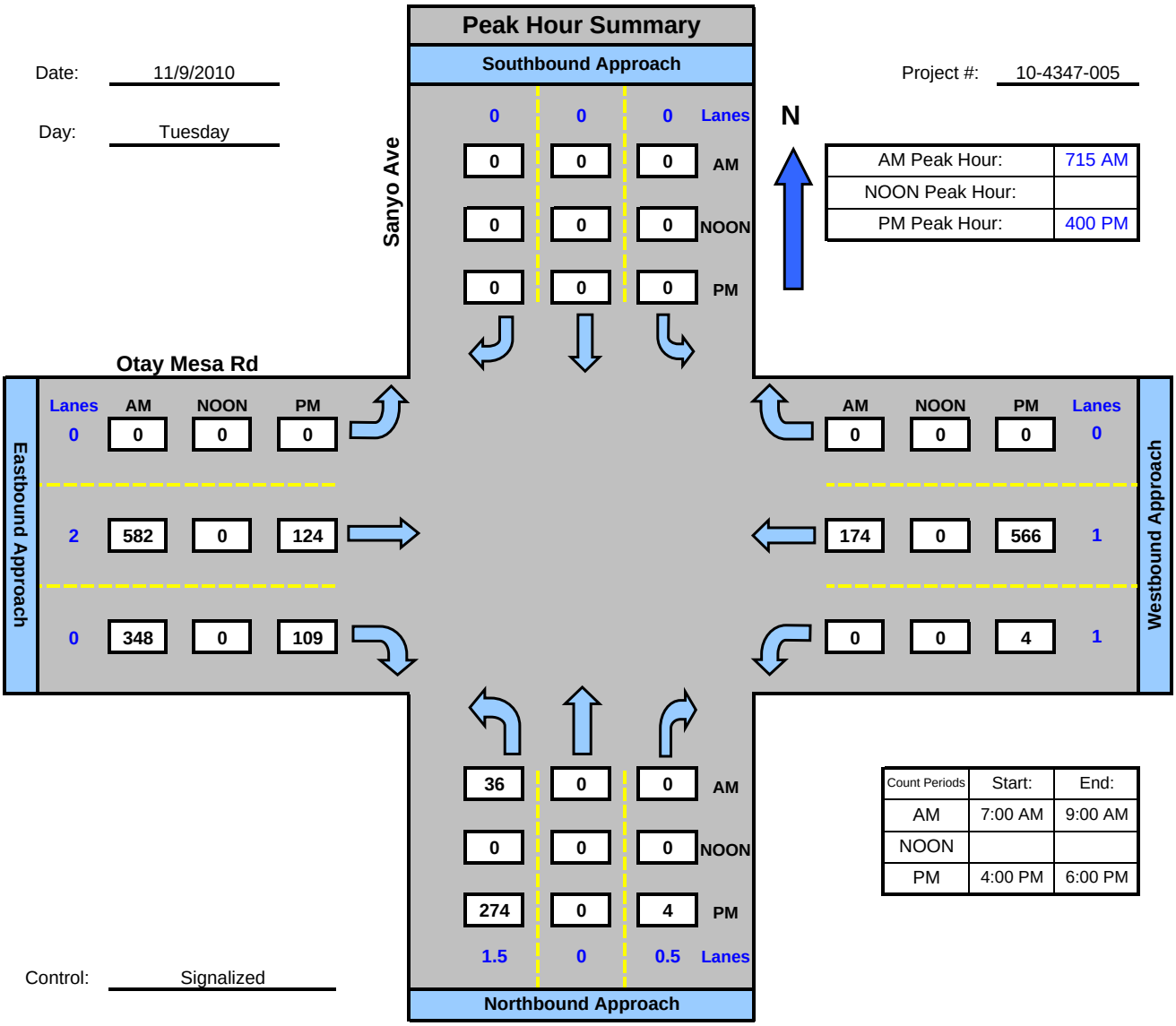
National Data & Surveying Services

Sanyo Ave and Otay Mesa Rd , City of Otay Mesa

Date: 11/9/2010

Day: Tuesday

Project #: 10-4347-005



AM Peak Hour:	715 AM
NOON Peak Hour:	
PM Peak Hour:	400 PM

Count Periods	Start:	End:
AM	7:00 AM	9:00 AM
NOON		
PM	4:00 PM	6:00 PM

Control: Signalized

NATIONAL DATA AND SURVEYING SERVICES

Axle Count

Project # 10-4347-006

Location: Enrico Ferni Dr & Otay Mesa Rd City: Otay Mesa Date: 11/9/2010 Day: Tuesday

	LANES:	1	0	1	0	0	0	0	1	0	1	1	0
		NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR
7:00	CARS	1	0	2	0	0	0	0	72	5	0	7	0
	2-axle	1	0	0	0	0	0	0	1	1	0	0	0
	3-axle	1	0	0	0	0	0	0	0	1	0	1	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	13	0	0	0	0	0	0	0	0	0	1	0
7:15	CARS	3	0	2	0	0	0	0	102	5	0	5	0
	2-axle	0	0	0	0	0	0	0	1	0	0	2	0
	3-axle	0	0	0	0	0	0	0	0	0	0	1	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	15	0	0	0	0	0	0	0	1	0	0	0
7:30	CARS	1	0	2	0	0	0	0	152	7	1	24	0
	2-axle	0	0	1	0	0	0	0	6	0	1	3	0
	3-axle	0	0	0	0	0	0	0	1	0	0	0	0
	4-axle	0	0	0	0	0	0	0	0	1	0	0	0
	5-axle +	8	0	0	0	0	0	0	1	0	0	0	0
7:45	CARS	4	0	6	0	0	0	0	164	8	0	35	0
	2-axle	4	0	1	0	0	0	0	7	0	1	3	0
	3-axle	1	0	0	0	0	0	0	0	1	0	3	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	14	0	0	0	0	0	0	0	1	0	1	0
8:00	CARS	5	0	4	0	0	0	0	96	19	2	21	0
	2-axle	1	0	0	0	0	0	0	5	0	1	4	0
	3-axle	2	0	0	0	0	0	0	1	1	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	12	0	1	0	0	0	0	1	0	0	0	0
8:15	CARS	3	0	7	0	0	0	0	44	19	4	11	0
	2-axle	2	0	0	0	0	0	0	6	1	0	2	0
	3-axle	3	0	0	0	0	0	0	1	1	1	2	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	8	0	0	0	0	0	0	1	0	1	0	0
8:30	CARS	3	0	3	0	0	0	0	35	9	3	13	0
	2-axle	1	0	0	0	0	0	0	2	2	0	9	0
	3-axle	4	0	0	0	0	0	0	0	1	1	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	17	0	0	0	0	0	0	0	0	0	0	0
8:45	CARS	8	0	6	0	0	0	0	37	8	2	16	0
	2-axle	2	0	1	0	0	0	0	8	1	1	3	0
	3-axle	5	0	0	0	0	0	0	1	1	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	17	0	0	0	0	0	0	0	1	0	1	0

MOVEMENT TOTALS

CARS	28	0	32	0	0	0	0	702	80	12	132	0
2-axle	11	0	3	0	0	0	0	36	5	4	26	0
3-axle	16	0	0	0	0	0	0	4	6	2	7	0
4-axle	0	0	0	0	0	0	0	0	1	0	0	0
5-axle +	104	0	1	0	0	0	0	3	3	1	3	0
TOTALS	159	0	36	0	0	0	0	745	95	19	168	0
	NL	*NT*	*NR*	*SL*	*ST*	*SR*	*EL*	*ET*	*ER*	*WL*	*WT*	*WR*

PM Peak Hr Begins at: 715 AM

PEAK VOLUMES =	70	0	17	0	0	0	0	537	44	6	102	0
PEAK HR. FACTOR:		0.725			0.000			0.802			0.628	

CONTROL: Signalized

NATIONAL DATA AND SURVEYING SERVICES

Axle Count

Project # 10-4347-006

Location: Enrico Ferni Dr & Otay Mesa Rd City: Date: 11/9/2010 Day: Tuesday

	LANES:	1	0	1	0	0	0	0	1	0	1	1	0
		NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR
16:00	CARS	8	0	4	0	0	0	0	17	3	5	174	0
	2-axle	3	0	0	0	0	0	0	3	1	0	8	0
	3-axle	1	0	0	0	0	0	0	1	1	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	13	0	0	0	0	0	0	0	1	0	0	0
16:15	CARS	6	0	4	0	0	0	0	13	5	2	98	0
	2-axle	2	0	0	0	0	0	0	1	1	1	3	0
	3-axle	1	0	0	0	0	0	0	0	0	0	1	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	15	0	0	0	0	0	0	0	1	0	0	0
16:30	CARS	6	0	5	0	0	0	0	13	4	5	112	0
	2-axle	2	0	1	0	0	0	0	2	0	1	3	0
	3-axle	2	0	0	0	0	0	0	0	0	0	0	0
	4-axle	1	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	16	0	0	0	0	0	0	0	3	0	0	0
16:45	CARS	8	0	0	0	0	0	0	32	6	4	54	0
	2-axle	6	0	1	0	0	0	0	9	3	0	5	0
	3-axle	1	0	0	0	0	0	0	1	0	0	1	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	7	0	0	0	0	0	0	0	4	0	1	0
17:00	CARS	21	0	1	0	0	0	0	18	2	1	57	0
	2-axle	2	0	0	0	0	0	0	6	1	0	1	0
	3-axle	0	0	0	0	0	0	0	0	1	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	11	0	0	0	0	0	0	0	1	0	1	0
17:15	CARS	12	0	2	0	0	0	0	21	4	4	34	0
	2-axle	0	0	1	0	0	0	0	3	1	0	2	0
	3-axle	1	0	0	0	0	0	0	1	0	0	0	0
	4-axle	1	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	15	0	0	0	0	0	0	0	1	0	0	0
17:30	CARS	11	0	2	0	0	0	0	22	9	2	28	0
	2-axle	3	0	1	0	0	0	0	2	0	0	0	0
	3-axle	1	0	0	0	0	0	0	0	0	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	11	0	0	0	0	0	0	1	1	0	0	0
17:45	CARS	10	0	2	0	0	0	0	25	2	1	37	0
	2-axle	1	0	0	0	0	0	0	1	1	0	0	0
	3-axle	1	0	0	0	0	0	0	1	1	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	10	0	0	0	0	0	0	0	0	0	1	0

MOVEMENT TOTALS

CARS	82	0	20	0	0	0	0	161	35	24	594	0
2-axle	19	0	4	0	0	0	0	27	8	2	22	0
3-axle	8	0	0	0	0	0	0	4	3	0	2	0
4-axle	2	0	0	0	0	0	0	0	0	0	0	0
5-axle +	98	0	0	0	0	0	0	1	12	0	3	0
TOTALS	209	0	24	0	0	0	0	193	58	26	621	0
	NL	*NT*	*NR*	*SL*	*ST*	*SR*	*EL*	*ET*	*ER*	*WL*	*WT*	*WR*

PM Peak Hr Begins at: 1600 PM

PEAK VOLUMES =	98	0	15	0	0	0	0	92	33	18	460	0
PEAK HR. FACTOR:		0.856			0.000			0.568			0.639	

CONTROL: Signalized

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

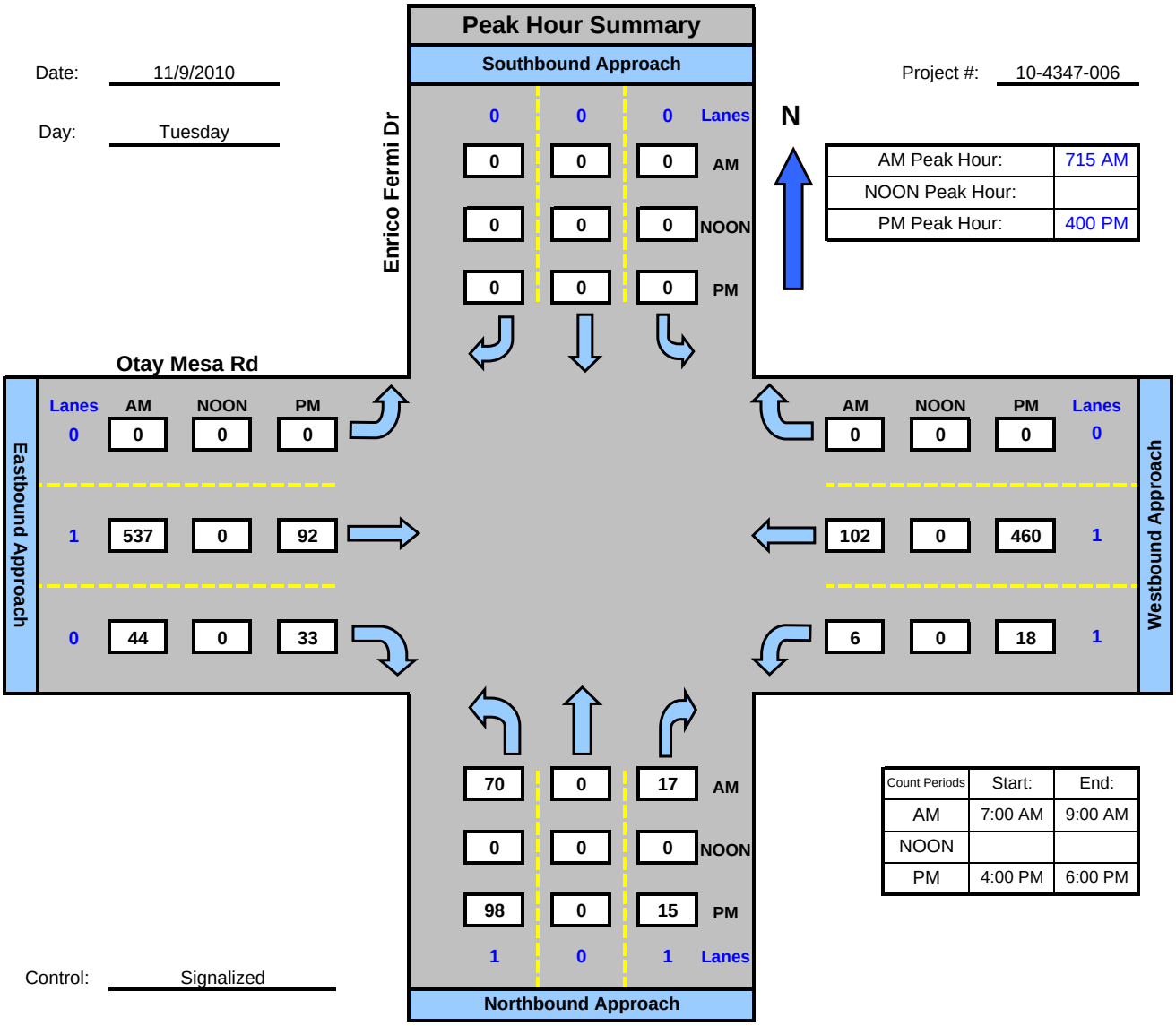
Enrico Fermi Dr and Otay Mesa Rd , City of Otay Mesa

Date: 11/9/2010

Day: Tuesday

Project #: 10-4347-006

AM Peak Hour:	715 AM
NOON Peak Hour:	
PM Peak Hour:	400 PM



Count Periods	Start:	End:
AM	7:00 AM	9:00 AM
NOON		
PM	4:00 PM	6:00 PM

Control: Signalized

NATIONAL DATA AND SURVEYING SERVICES

Axle Count

Project # 10-4347-007

Location: Alta Rd & Otay Mesa Rd City: Otay Mesa Date: 11/9/2010 Day: Tuesday

	LANES:	0	0	0	0	0	1	1	0	0	0	0	0
		NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR
7:00	CARS	0	0	0	0	0	7	74	0	0	0	0	0
	2-axle	0	0	0	0	0	0	0	0	0	0	0	0
	3-axle	0	0	0	0	0	1	0	0	0	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	0	0	0	0	0	1	0	0	0	0	0	0
7:15	CARS	0	0	0	0	0	4	101	0	0	0	0	0
	2-axle	0	0	0	0	0	0	2	0	0	0	0	0
	3-axle	0	0	0	0	0	1	0	0	0	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	0	0	0	0	0	0	0	0	0	0	0	0
7:30	CARS	0	0	0	0	0	23	144	0	0	0	0	0
	2-axle	0	0	0	0	0	4	6	0	0	0	0	0
	3-axle	0	0	0	0	0	1	1	0	0	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	0	0	0	0	0	0	1	0	0	0	0	0
7:45	CARS	0	0	0	0	0	32	160	0	0	0	0	0
	2-axle	0	0	0	0	0	4	7	0	0	0	0	0
	3-axle	0	0	0	0	0	2	0	0	0	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	0	0	0	0	0	1	0	0	0	0	0	0
8:00	CARS	0	0	0	0	0	17	93	0	0	0	0	0
	2-axle	0	0	0	0	0	5	6	0	0	0	0	0
	3-axle	0	0	0	0	0	0	1	0	0	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	0	0	0	0	0	0	1	0	0	0	0	0
8:15	CARS	0	0	0	0	0	9	43	0	0	0	0	0
	2-axle	0	0	0	0	0	2	6	0	0	0	0	0
	3-axle	0	0	0	0	0	2	1	0	0	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	0	0	0	0	0	1	1	0	0	0	0	0
8:30	CARS	0	0	0	0	0	5	27	0	0	0	0	0
	2-axle	0	0	0	0	0	9	3	0	0	0	0	0
	3-axle	0	0	0	0	0	2	0	0	0	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	0	0	0	0	0	0	0	0	0	0	0	0
8:45	CARS	0	0	0	0	0	15	25	0	0	0	0	0
	2-axle	0	0	0	0	0	4	9	0	0	0	0	0
	3-axle	0	0	0	0	0	0	1	0	0	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	0	0	0	0	0	1	0	0	0	0	0	0

MOVEMENT TOTALS

CARS	0	0	0	0	0	112	667	0	0	0	0	0
2-axle	0	0	0	0	0	28	39	0	0	0	0	0
3-axle	0	0	0	0	0	9	4	0	0	0	0	0
4-axle	0	0	0	0	0	0	0	0	0	0	0	0
5-axle +	0	0	0	0	0	4	3	0	0	0	0	0
TOTALS	0	0	0	0	0	153	713	0	0	0	0	0
	NL	*NT*	*NR*	*SL*	*ST*	*SR*	*EL*	*ET*	*ER*	*WL*	*WT*	*WR*

PM Peak Hr Begins at: 715 AM

PEAK VOLUMES =	0	0	0	0	0	94	523	0	0	0	0	0
PEAK HR. FACTOR:		0.000			0.603			0.783			0.000	

CONTROL: No Control

NATIONAL DATA AND SURVEYING SERVICES

Axle Count

Project # 10-4347-007

Location: Alta Rd & Otay Mesa Rd City: Otay Mesa Date: 11/9/2010 Day: Tuesday

	LANES:	0	0	0	0	0	1	1	0	0	0	0	0
		NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR
16:00	CARS	0	0	0	0	0	163	15	0	0	0	0	0
	2-axle	0	0	0	0	0	10	4	0	0	0	0	0
	3-axle	0	0	0	0	0	0	1	0	0	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	0	0	0	0	0	0	0	0	0	0	0	0
16:15	CARS	0	0	0	0	0	73	8	0	0	0	0	0
	2-axle	0	0	0	0	0	2	0	0	0	0	0	0
	3-axle	0	0	0	0	0	1	1	0	0	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	0	0	0	0	0	0	0	0	0	0	0	0
16:30	CARS	0	0	0	0	0	109	10	0	0	0	0	0
	2-axle	0	0	0	0	0	8	2	0	0	0	0	0
	3-axle	0	0	0	0	0	0	0	0	0	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	0	0	0	0	0	0	0	0	0	0	0	0
16:45	CARS	0	0	0	0	0	38	23	0	0	0	0	0
	2-axle	0	0	0	0	0	2	9	0	0	0	0	0
	3-axle	0	0	0	0	0	1	1	0	0	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	0	0	0	0	0	1	0	0	0	0	0	0
17:00	CARS	0	0	0	0	0	29	13	0	0	0	0	0
	2-axle	0	0	0	0	0	1	7	0	0	0	0	0
	3-axle	0	0	0	0	0	0	0	0	0	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	0	0	0	0	0	1	0	0	0	0	0	0
17:15	CARS	0	0	0	0	0	28	12	0	0	0	0	0
	2-axle	0	0	0	0	0	2	4	0	0	0	0	0
	3-axle	0	0	0	0	0	0	1	0	0	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	0	0	0	0	0	0	0	0	0	0	0	0
17:30	CARS	0	0	0	0	0	24	20	0	0	0	0	0
	2-axle	0	0	0	0	0	0	3	0	0	0	0	0
	3-axle	0	0	0	0	0	0	0	0	0	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	0	0	0	0	0	0	1	0	0	0	0	0
17:45	CARS	0	0	0	0	0	24	19	0	0	0	0	0
	2-axle	0	0	0	0	0	0	1	0	0	0	0	0
	3-axle	0	0	0	0	0	0	1	0	0	0	0	0
	4-axle	0	0	0	0	0	0	0	0	0	0	0	0
	5-axle +	0	0	0	0	0	1	0	0	0	0	0	0

MOVEMENT TOTALS

CARS	0	0	0	0	0	488	120	0	0	0	0	0
2-axle	0	0	0	0	0	25	30	0	0	0	0	0
3-axle	0	0	0	0	0	2	5	0	0	0	0	0
4-axle	0	0	0	0	0	0	0	0	0	0	0	0
5-axle +	0	0	0	0	0	3	1	0	0	0	0	0
TOTALS	0	0	0	0	0	518	156	0	0	0	0	0
	NL	*NT*	*NR*	*SL*	*ST*	*SR*	*EL*	*ET*	*ER*	*WL*	*WT*	*WR*

PM Peak Hr Begins at: 1600 PM

PEAK VOLUMES =	0	0	0	0	0	408	74	0	0	0	0	0
PEAK HR. FACTOR:		0.000			0.590			0.561			0.000	

CONTROL: No Control

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Alta Rd and Otay Mesa Rd , City of Otay Mesa

Date: 11/9/2010

Day: Tuesday

Project #: 10-4347-007

Peak Hour Summary

	AM Peak Hour:	NOON Peak Hour:	PM Peak Hour:
	715 AM		400 PM

Southbound Approach (Alta Rd)

Lanes	1	0	0
AM	94	0	0
NOON	0	0	0
PM	407	0	0

Eastbound Approach (Otay Mesa Rd)

Lanes	AM	NOON	PM
1	523	0	74
0	0	0	0
0	0	0	0

Westbound Approach

AM	NOON	PM	Lanes
0	0	0	0
0	0	0	0
0	0	0	0

Northbound Approach

Lanes	0	0	0
AM	0	0	0
NOON	0	0	0
PM	0	0	0

N

Count Periods	Start:	End:
AM	7:00 AM	9:00 AM
NOON		
PM	4:00 PM	6:00 PM

Control: No Control

Intersection Turning Movement

Prepared by:

National Data & Surveying Services

Alta Rd and Paseo de la Fuente , City of Otay Mesa

Date: 11/9/2010

Day: Tuesday

Project #: 10-4347-008

N

AM Peak Hour:	715 AM
NOON Peak Hour:	
PM Peak Hour:	400 PM

Peak Hour Summary

Southbound Approach (Alta Rd)

			Lanes
0	1	1	
0	93	2	AM
0	0	0	NOON
0	402	0	PM

Eastbound Approach (Paseo de la Fuente)

Lanes	AM	NOON	PM
0	0	0	0
0	0	0	0
0	0	0	0

Westbound Approach

AM	NOON	PM	Lanes
4	0	1	1
0	0	0	0
2	0	4	1

Northbound Approach

0	516	6	AM
0	0	0	NOON
0	69	1	PM
0	1	0	Lanes

Count Periods	Start:	End:
AM	7:00 AM	9:00 AM
NOON		
PM	4:00 PM	6:00 PM

Control: 1-Way Stop (WB)

Intersection Turning Movement

Prepared by:

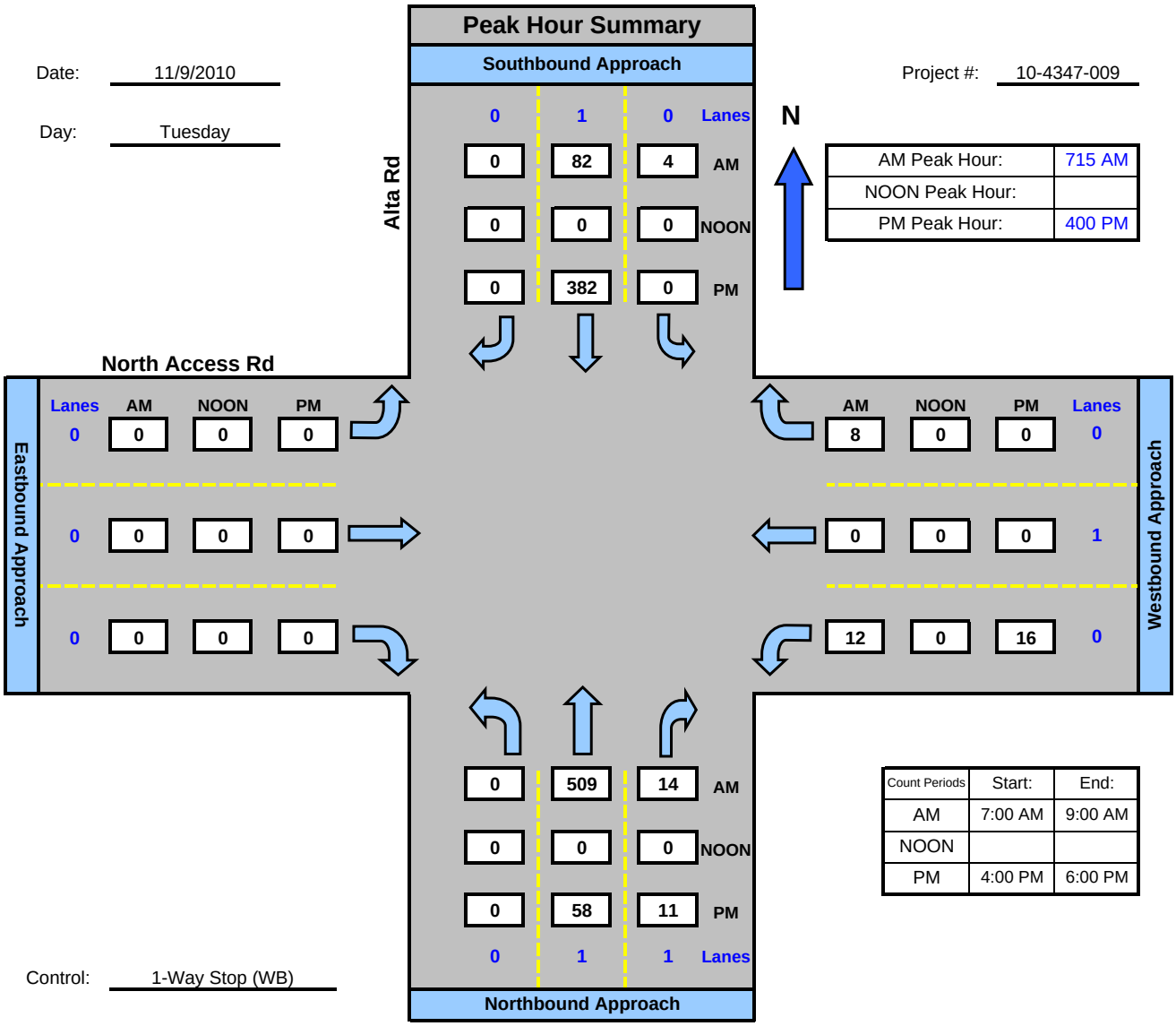
National Data & Surveying Services

Alta Rd and North Access Rd , City of Otay Mesa

Date: 11/9/2010

Day: Tuesday

Project #: 10-4347-009



AM Peak Hour:	715 AM
NOON Peak Hour:	
PM Peak Hour:	400 PM

Count Periods	Start:	End:
AM	7:00 AM	9:00 AM
NOON		
PM	4:00 PM	6:00 PM

Control: 1-Way Stop (WB)

Appendix N-2 – Roadway 24-hr ADT Counts

Day: TUESDAY
Date: 11/9/10

Classification Report / Prepared by: National Data & Surveying Services
Location: SR-905 between La Media Rd & Piper Ranch Rd

City: Otay Mesa
Project #: 10-4348-002

SUMMARY

Time	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	Total
00:00 AM	2	205	80	1	22	6	0	7	24	1	0	2	0	350
01:00	0	117	33	0	12	6	0	5	23	1	1	3	0	201
02:00	2	77	21	0	16	4	0	7	23	0	0	0	0	150
03:00	3	183	60	2	16	8	0	9	28	1	0	0	0	310
04:00	0	329	101	7	18	7	0	19	41	0	0	0	0	522
05:00	3	745	211	13	65	17	0	24	50	0	1	0	0	1129
06:00	3	1217	350	19	89	27	1	32	78	0	5	1	0	1822
07:00	3	1577	350	22	94	56	1	42	110	1	7	1	0	2264
08:00	6	1310	342	23	132	63	1	46	157	0	2	2	0	2084
09:00	3	1032	323	39	139	78	0	52	249	3	1	1	0	1920
10:00	0	1006	350	31	129	55	1	62	219	2	10	0	0	1865
11:00	0	1013	355	40	165	49	1	75	201	1	6	1	0	1907
12:00 PM	4	1196	420	46	158	53	1	52	210	1	1	2	0	2144
13:00	1	1280	390	51	156	60	1	67	191	1	1	0	0	2199
14:00	2	1434	426	58	160	51	2	89	181	1	0	0	0	2404
15:00	4	1638	462	49	159	48	0	73	178	2	0	1	0	2614
16:00	6	2031	527	51	151	47	1	79	186	3	1	1	0	3084
17:00	6	1729	406	25	115	35	1	59	125	0	1	1	0	2503
18:00	3	1248	327	20	80	32	4	43	135	0	0	0	0	1892
19:00	3	875	240	12	48	28	0	21	93	1	1	0	0	1322
20:00	0	622	162	6	62	7	1	11	64	1	0	1	0	937
21:00	2	631	164	4	39	12	0	14	61	0	0	0	0	927
22:00	1	484	108	8	24	1	0	14	35	0	0	0	0	675
23:00	1	278	68	5	28	4	0	8	29	2	0	0	0	423
Totals	**58**	**22257**	**6276**	**532**	**2077**	**754**	**16**	**910**	**2691**	**22**	**38**	**17**		**35648**
% of Totals	0%	62%	18%	1%	6%	2%	0%	3%	8%	0%	0%	0%		100%
	25	8811	2576	197	897	376	5	380	1203	10	33	11	0	14524
% AM	0%	25%	7%	1%	3%	1%	0%	1%	3%	0%	0%	0%		41%
AM Peak Hour	08:00	07:00	11:00	11:00	11:00	09:00	06:00	11:00	09:00	09:00	10:00	01:00		07:00
Volume	6	1577	355	40	165	78	1	75	249	3	10	3		2264
	33	13446	3700	335	1180	378	11	530	1488	12	5	6	0	21124
% PM	0%	38%	10%	1%	3%	1%	0%	1%	4%	0%	0%	0%		59%
PM Peak Hour	16:00	16:00	16:00	14:00	14:00	13:00	18:00	14:00	12:00	16:00	12:00	12:00		16:00
Volume	6	2031	527	58	160	60	4	89	210	3	1	2		3084

Peak Period Totals	AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
	Volume		%	Volume		%	Volume		%	Volume		%
	4348	↔	12%	4343	↔	12%	5587	↔	16%	21370	↔	60%

Prepared by NDS/ATD

Volumes for: Tuesday, November 09, 2010	City:	Otay Mesa	Daily Totals NB	SB	EB	WB	Total
Location: Otay Mesa Rd between SR-905 & Sanyo Ave	Project:	10-4348-003	0	0	6,700	7,182	13,882

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			8		14			12:00			83		111		
00:15			15		14			12:15			85		131		
00:30			27		18			12:30			77		84		
00:45			8	58	12	58	116	12:45			102	347	137	463	810
01:00			12		4			13:00			105		99		
01:15			11		4			13:15			109		120		
01:30			1		15			13:30			134		121		
01:45			7	31	16	39	70	13:45			108	456	128	468	924
02:00			8		4			14:00			124		203		
02:15			6		0			14:15			92		193		
02:30			9		5			14:30			85		208		
02:45			7	30	10	19	49	14:45			113	414	167	771	1185
03:00			8		0			15:00			70		203		
03:15			18		8			15:15			72		158		
03:30			29		13			15:30			66		202		
03:45			31	86	12	33	119	15:45			94	302	179	742	1044
04:00			22		4			16:00			61		294		
04:15			25		9			16:15			63		179		
04:30			24		10			16:30			68		226		
04:45			37	108	12	35	143	16:45			74	266	137	836	1102
05:00			31		3			17:00			59		180		
05:15			103		10			17:15			61		143		
05:30			185		24			17:30			57		154		
05:45			162	481	17	54	535	17:45			36	213	113	590	803
06:00			148		43			18:00			36		103		
06:15			147		71			18:15			32		125		
06:30			170		78			18:30			27		114		
06:45			184	649	46	238	887	18:45			32	127	74	416	543
07:00			169		50			19:00			16		72		
07:15			202		49			19:15			8		64		
07:30			258		49			19:30			11		51		
07:45			250	879	67	215	1094	19:45			24	59	50	237	296
08:00			229		61			20:00			25		45		
08:15			156		60			20:15			15		33		
08:30			128		77			20:30			11		24		
08:45			136	649	122	320	969	20:45			16	67	28	130	197
09:00			127		96			21:00			26		17		
09:15			98		78			21:15			52		29		
09:30			129		81			21:30			34		13		
09:45			117	471	85	340	811	21:45			34	146	69	128	274
10:00			85		71			22:00			31		91		
10:15			109		93			22:15			20		50		
10:30			112		90			22:30			27		43		
10:45			93	399	122	376	775	22:45			18	96	16	200	296
11:00			79		95			23:00			8		9		
11:15			81		101			23:15			11		8		
11:30			88		99			23:30			12		52		
11:45			78	326	84	379	705	23:45			9	40	26	95	135
Total Vol.				4167		2106	**6273**					2533		5076	**7609**

	NB	SB	EB	WB	Total
Daily Totals :	0	0	6,700	7,182	13,882

	AM				PM		
Split %	66.4%	33.6%	**45.2%**		33.3%	66.7%	**54.8%**
AM				**PM**			
Peak Hr.	07:15	11:30	**07:15**	**Peak Hr.**	13:15	15:45	**14:00**
Volume	939	425	**1165**	**Volume**	475	878	**1185**
P.H.F.	0.910	0.811	**0.919**	**P.H.F.**	0.886	0.747	**0.906**
7 - 9 Vol.	1528	535	**2063**	**4 - 6 Vol.**	479	1426	**1905**
Peak Hr.	07:15	08:00	**07:15**	**Peak Hr.**	16:00	16:00	**16:00**
Volume	939	320	**1165**	**Volume**	266	836	**1102**
P.H.F.	0.910	0.656	**0.919**	**P.H.F.**	0.899	0.711	**0.776**

Prepared by NDS/ATD

Volumes for: Tuesday, November 09, 2010	City:	Otay Mesa	Daily Totals NB	SB	EB	WB	Total
Location: Otay Mesa Rd between Sanyo Ave & Enrico Fermi Dr	Project:	10-4348-004	0	0	4,059	4,962	9,021

AM Period	NB	SB	EB		WB			PM Period	NB	SB	EB		WB		
00:00			8		9			12:00			37		71		
00:15			14		5			12:15			42		84		
00:30			23		17			12:30			43		60		
00:45			5	50	10	41	91	12:45			51	173	95	310	483
01:00			8		2			13:00			56		55		
01:15			6		1			13:15			79		84		
01:30			1		12			13:30			95		84		
01:45			2	17	8	23	40	13:45			77	307	87	310	617
02:00			8		4			14:00			81		167		
02:15			3		0			14:15			63		161		
02:30			7		6			14:30			66		169		
02:45			6	24	5	15	39	14:45			67	277	109	606	883
03:00			6		3			15:00			38		139		
03:15			10		2			15:15			32		107		
03:30			10		9			15:30			30		156		
03:45			11	37	7	21	58	15:45			38	138	140	542	680
04:00			13		4			16:00			34		213		
04:15			6		5			16:15			27		127		
04:30			17		9			16:30			37		151		
04:45			18	54	4	22	76	16:45			60	158	80	571	729
05:00			20		3			17:00			32		98		
05:15			83		6			17:15			40		76		
05:30			176		12			17:30			41		63		
05:45			141	420	15	36	456	17:45			25	138	65	302	440
06:00			128		42			18:00			21		58		
06:15			101		70			18:15			16		77		
06:30			135		74			18:30			12		56		
06:45			134	498	41	227	725	18:45			7	56	33	224	280
07:00			84		38			19:00			9		38		
07:15			113		42			19:15			3		39		
07:30			190		47			19:30			6		26		
07:45			162	549	66	193	742	19:45			13	31	30	133	164
08:00			125		49			20:00			13		24		
08:15			75		41			20:15			8		17		
08:30			47		59			20:30			7		10		
08:45			53	300	66	215	515	20:45			6	34	15	66	100
09:00			41		65			21:00			18		13		
09:15			46		64			21:15			48		25		
09:30			58		57			21:30			30		16		
09:45			47	192	62	248	440	21:45			25	121	57	111	232
10:00			46		35			22:00			25		86		
10:15			51		62			22:15			13		48		
10:30			52		68			22:30			26		35		
10:45			46	195	78	243	438	22:45			13	77	16	185	262
11:00			36		66			23:00			4		2		
11:15			45		61			23:15			5		5		
11:30			55		65			23:30			8		39		
11:45			53	189	60	252	441	23:45			7	24	20	66	90
Total Vol.				2525		1536	**4061**					1534		3426	**4960**

	NB	SB	EB	WB	Total
Daily Totals :	0	0	4,059	4,962	9,021

	AM				PM		
Split %	62.2%	37.8%	**45.0%**		30.9%	69.1%	**55.0%**
AM				**PM**			
Peak Hr.	07:15	11:30	**07:15**	**Peak Hr.**	13:15	15:30	**14:00**
Volume	590	280	**794**	**Volume**	332	636	**883**
P.H.F.	0.776	0.833	**0.838**	**P.H.F.**	0.874	0.746	**0.890**
7 - 9 Vol.	849	408	**1257**	**4 - 6 Vol.**	296	873	**1169**
Peak Hr.	07:15	07:45	**07:15**	**Peak Hr.**	16:45	16:00	**16:00**
Volume	590	215	**794**	**Volume**	173	571	**729**
P.H.F.	0.776	0.814	**0.838**	**P.H.F.**	0.721	0.670	**0.738**

Day: TUESDAY
Date: 11/9/10

Classification Report / Prepared by: National Data & Surveying Services
Location: Otay Mesa Rd between Enrico Fermi Dr & Alta Rd

City: Otay Mesa
Project #: 10-4348-005

SUMMARY

Time	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	Total
00:00 AM	0	20	21	1	15	0	0	2	0	0	0	0	0	59
01:00	0	19	6	0	3	0	0	1	0	0	0	0	0	29
02:00	0	11	3	0	2	0	0	0	0	0	0	0	0	16
03:00	0	17	12	0	9	0	0	1	3	0	0	0	0	42
04:00	0	33	16	0	6	0	0	0	2	0	0	0	0	57
05:00	3	313	77	2	31	1	0	1	0	0	0	0	0	428
06:00	6	471	115	5	37	5	0	0	3	0	0	0	0	642
07:00	2	454	107	4	30	5	0	2	4	0	0	0	0	608
08:00	3	222	70	3	23	4	0	1	2	0	0	0	0	328
09:00	1	154	43	5	24	1	1	4	6	0	0	0	0	239
10:00	4	135	46	5	21	3	0	10	3	0	0	0	0	227
11:00	7	190	44	7	26	2	0	5	3	0	0	0	0	284
12:00 PM	1	217	50	8	31	5	1	7	5	0	0	0	0	325
13:00	2	294	73	5	28	7	1	6	4	0	0	0	0	420
14:00	6	466	134	8	35	0	2	4	3	0	0	0	0	658
15:00	6	391	92	3	24	2	0	4	0	0	0	0	0	522
16:00	4	447	95	5	22	0	0	2	0	0	0	0	0	575
17:00	1	221	42	1	12	0	0	2	2	0	0	0	0	281
18:00	0	130	23	4	9	0	0	1	0	0	0	0	0	167
19:00	1	76	18	2	9	0	0	0	0	0	0	0	0	106
20:00	1	64	11	0	4	0	0	0	0	0	0	0	0	80
21:00	0	114	52	2	18	0	0	0	0	0	0	0	0	186
22:00	1	177	48	4	12	0	0	0	0	0	0	0	0	242
23:00	0	50	15	1	7	0	0	4	0	0	0	0	0	77
Totals	**49**	**4686**	**1213**	**75**	**438**	**35**	**5**	**57**	**40**					**6598**
% of Totals	1%	71%	18%	1%	7%	1%	0%	1%	1%					100%
	26	2039	560	32	227	21	1	27	26	0	0	0	0	2959
% AM	0%	31%	8%	0%	3%	0%	0%	0%	0%					45%
AM Peak Hour	11:00	06:00	06:00	11:00	06:00	06:00	09:00	10:00	09:00					06:00
Volume	7	471	115	7	37	5	1	10	6					642
	23	2647	653	43	211	14	4	30	14	0	0	0	0	3639
% PM	0%	40%	10%	1%	3%	0%	0%	0%	0%					55%
PM Peak Hour	14:00	14:00	14:00	12:00	14:00	13:00	14:00	12:00	12:00					14:00
Volume	6	466	134	8	35	7	2	7	5					658

Peak Period Totals	AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
	Volume		%	Volume		%	Volume		%	Volume		%
	936	↔	14%	745	↔	11%	856	↔	13%	4061	↔	62%

Day: TUESDAY
Date: 11/09/10

Classification Report / Prepared by: National Data & Surveying Services
Location: Alta Rd between Otay Mesa Rd & Paseo de la Fuente

City: Otay Mesa
Project #: 10-4348-006n

North Bound

Time	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	Total
00:00 AM	0	8	14	0	2	1	0	0	0	0	0	0	0	25
01:00	0	4	3	0	0	0	0	0	0	0	0	0	0	7
02:00	0	9	1	0	1	0	0	0	0	0	0	0	0	11
03:00	0	21	9	0	2	0	0	0	0	0	0	0	0	32
04:00	0	35	8	0	1	0	0	0	1	0	0	0	0	45
05:00	2	308	78	2	11	1	0	0	0	0	0	0	0	402
06:00	4	356	76	2	15	1	0	0	2	0	0	0	0	456
07:00	2	396	76	2	5	1	0	0	1	0	0	0	0	483
08:00	0	170	34	1	6	0	0	1	2	0	0	0	0	214
09:00	0	67	22	1	6	0	0	1	3	0	0	0	0	100
10:00	1	56	19	0	4	1	0	1	2	0	0	0	0	84
11:00	2	63	22	3	7	1	0	0	0	0	0	0	0	98
12:00 PM	0	64	29	2	4	2	1	1	3	0	0	0	0	106
13:00	1	166	37	2	7	3	0	1	2	0	0	0	0	219
14:00	0	122	24	1	9	0	1	0	1	0	0	0	0	158
15:00	1	47	12	2	2	1	0	0	1	0	0	0	0	66
16:00	0	47	17	2	2	0	0	0	0	0	0	0	0	68
17:00	0	51	30	1	2	0	0	1	1	0	0	0	0	86
18:00	0	9	8	1	2	0	0	0	0	0	0	0	0	20
19:00	0	12	2	0	2	0	0	0	0	0	0	0	0	16
20:00	0	12	4	0	1	0	0	0	0	0	0	0	0	17
21:00	0	70	23	1	2	0	0	0	0	0	0	0	0	96
22:00	0	52	9	0	1	0	0	0	0	0	0	0	0	62
23:00	1	6	4	1	0	0	0	1	0	0	0	0	0	13
Totals	**14**	**2151**	**561**	**24**	**94**	**12**	**2**	**7**	**19**					**2884**
% of Totals	0%	75%	19%	1%	3%	0%	0%	0%	1%					100%
	11	1493	362	11	60	6	0	3	11	0	0	0	0	1957
% AM	0%	52%	13%	0%	2%	0%		0%	0%					68%
AM Peak Hour	06:00	07:00	05:00	11:00	06:00			08:00	09:00					07:00
Volume	4	396	78	3	15	1		1	3					483
	3	658	199	13	34	6	2	4	8	0	0	0	0	927
% PM	0%	23%	7%	0%	1%	0%	0%	0%	0%					32%
PM Peak Hour	13:00	13:00	13:00	12:00	14:00	13:00	12:00	12:00	12:00					13:00
Volume	1	166	37	2	9	3	1	1	3					219

Directional Peak Periods	AM 7-9			NOON 12-2			PM 4-6			Off Peak Volumes		
All Classes	Volume		%	Volume		%	Volume		%	Volume		%
	697	←→	24%	325	←→	11%	154	←→	5%	1708	←→	59%

Appendix N-3 – Intersection Analysis Worksheets

EXISTING AM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in D/V
# 1 SR-905 / La Media Road	C	20.3	0.598	C	20.3	0.598	+ 0.000
# 2 SR-125 SB Off Ramp / SR-905	B	18.3	0.386	B	18.3	0.386	+ 0.000
# 3 SR-125 NB On Ramp / SR-905	A	2.0	0.307	A	2.0	0.307	+ 0.000
# 4 SR-905 (NB) / Otay Mesa Rd	C	20.0	0.554	C	20.0	0.554	+ 0.000
# 5 Otay Mesa Rd / Sanyo Rd	A	3.2	0.356	A	3.2	0.356	+ 0.000
# 6 Otay Mesa Rd / Enrico Fermi Dr	A	9.4	0.522	A	9.4	0.522	+ 0.000
# 7 Otay Mesa Rd / Alta Rd	A	0.0	0.000	A	0.0	0.000	+ 0.000
# 8 Alta Rd / Paseo De La Puente	A	1.5	0.411	A	1.5	0.411	+ 0.000
# 9 Alta Rd / North Access Rd	C	15.4	0.000	C	15.4	0.000	+ 0.000

EXISTING AM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #1 SR-905 / La Media Road

Cycle (sec): 100 Critical Vol./Cap. (X): 0.598
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 20.3
Optimal Cycle: 57 Level Of Service: C

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Protected						Protected						Protected						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0				0	0	0				0	0	0				0	0	0			
Lanes:	1	0	0	1	0		2	0	0	1	0		1	0	3	0	1		1	0	2	1	0	
Volume Module:																								
Base Vol:	94	22	34				30	43	43				83	1371	359				98	861	60			
Growth Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
Initial Bse:	94	22	34				30	43	43				83	1371	359				98	861	60			
User Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
PHF Adj:	0.84	0.84	0.84				0.84	0.84	0.84				0.84	0.84	0.84				0.84	0.84	0.84			
PHF Volume:	113	26	41				36	51	51				99	1642	430				117	1031	72			
Reduct Vol:	0	0	0				0	0	0				0	0	0				0	0	0			
Reduced Vol:	113	26	41				36	51	51				99	1642	430				117	1031	72			
PCE Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
MLF Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
Final Vol.:	113	26	41				36	51	51				99	1642	430				117	1031	72			
Saturation Flow Module:																								
Sat/Lane:	1900	1900	1900				1900	1900	1900				1900	1900	1900				1900	1900	1900			
Adjustment:	0.95	0.91	0.91				0.92	0.93	0.93				0.95	0.91	0.85				0.95	0.90	0.90			
Lanes:	1.00	0.39	0.61				2.00	0.50	0.50				1.00	3.00	1.00				1.00	2.80	0.20			
Final Sat.:	1805	679	1049				3502	879	879				1805	5187	1615				1805	4801	335			
Capacity Analysis Module:																								
Vol/Sat:	0.06	0.04	0.04				0.01	0.06	0.06				0.06	0.32	0.27				0.07	0.21	0.21			
Crit Moves:	****							****						****					****					
Green/Cycle:	0.10	0.16	0.16				0.04	0.10	0.10				0.13	0.53	0.53				0.11	0.51	0.51			
Volume/Cap:	0.60	0.24	0.24				0.24	0.60	0.60				0.42	0.60	0.50				0.60	0.42	0.42			
Delay/Veh:	48.0	37.2	37.2				47.2	48.9	48.9				41.3	16.6	15.6				47.5	15.5	15.5			
User DelAdj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
AdjDel/Veh:	48.0	37.2	37.2				47.2	48.9	48.9				41.3	16.6	15.6				47.5	15.5	15.5			
HCM2kAvg:	4	2	2				1	4	4				3	12	9				5	7	7			

EXISTING AM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #2 SR-125 SB Off Ramp / SR-905

Cycle (sec): 100 Critical Vol./Cap. (X): 0.386
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 18.3
Optimal Cycle: 35 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 0 0			2 0 0 0 1			0 0 3 0 0			0 0 3 0 0		
Volume Module:												
Base Vol:	0	0	0	524	0	171	0	425	0	0	840	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	524	0	171	0	425	0	0	840	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	0	0	571	0	186	0	463	0	0	915	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	571	0	186	0	463	0	0	915	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	571	0	186	0	463	0	0	915	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	1.00	1.00	0.92	1.00	0.85	1.00	0.91	1.00	1.00	0.91	1.00
Lanes:	0.00	0.00	0.00	2.00	0.00	1.00	0.00	3.00	0.00	0.00	3.00	0.00
Final Sat.:	0	0	0	3502	0	1615	0	5187	0	0	5187	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.16	0.00	0.12	0.00	0.09	0.00	0.00	0.18	0.00
Crit Moves:				****			****				****	
Green/Cycle:	0.00	0.00	0.00	0.42	0.00	0.42	0.00	0.46	0.00	0.00	0.46	0.00
Volume/Cap:	0.00	0.00	0.00	0.39	0.00	0.27	0.00	0.20	0.00	0.00	0.39	0.00
Delay/Veh:	0.0	0.0	0.0	20.1	0.0	19.1	0.0	16.2	0.0	0.0	18.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	20.1	0.0	19.1	0.0	16.2	0.0	0.0	18.0	0.0
HCM2kAvg:	0	0	0	6	0	4	0	3	0	0	6	0

EXISTING AM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

****

Intersection #3 SR-125 NB On Ramp / SR-905

****

Cycle (sec): 100 Critical Vol./Cap. (X): 0.307
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 2.0
Optimal Cycle: 31 Level Of Service: A

****

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Protected						Protected						Protected						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0				0	0	0				0	0	0				0	0	0			
Lanes:	0	0	0	0	0		0	0	0	0	0		1	0	2	1	1		0	0	2	0	2	
Volume Module:																								
Base Vol:	0	0	0				0	0	0				25	915	0				0	853	70			
Growth Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
Initial Bse:	0	0	0				0	0	0				25	915	0				0	853	70			
User Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
PHF Adj:	0.93	0.93	0.93				0.93	0.93	0.93				0.93	0.93	0.93				0.93	0.93	0.93			
PHF Volume:	0	0	0				0	0	0				27	988	0				0	921	76			
Reduct Vol:	0	0	0				0	0	0				0	0	0				0	0	0			
Reduced Vol:	0	0	0				0	0	0				27	988	0				0	921	76			
PCE Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
MLF Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
Final Vol.:	0	0	0				0	0	0				27	988	0				0	921	76			
Saturation Flow Module:																								
Sat/Lane:	1900	1900	1900				1900	1900	1900				1900	1900	1900				1900	1900	1900			
Adjustment:	1.00	1.00	1.00				1.00	1.00	1.00				0.95	0.91	0.91				1.00	0.95	0.75			
Lanes:	0.00	0.00	0.00				0.00	0.00	0.00				1.00	3.00	1.00				0.00	2.00	2.00			
Final Sat.:	0	0	0				0	0	0				1805	5187	1729				0	3610	2842			
Capacity Analysis Module:																								
Vol/Sat:	0.00	0.00	0.00				0.00	0.00	0.00				0.01	0.19	0.00				0.00	0.26	0.03			
Crit Moves:													****							****				
Green/Cycle:	0.00	0.00	0.00				0.00	0.00	0.00				0.05	0.88	0.00				0.00	0.83	0.83			
Volume/Cap:	0.00	0.00	0.00				0.00	0.00	0.00				0.31	0.22	0.00				0.00	0.31	0.03			
Delay/Veh:	0.0	0.0	0.0				0.0	0.0	0.0				47.9	0.9	0.0				0.0	2.0	1.5			
User DelAdj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
AdjDel/Veh:	0.0	0.0	0.0				0.0	0.0	0.0				47.9	0.9	0.0				0.0	2.0	1.5			
HCM2kAvg:	0	0	0				0	0	0				1	2	0				0	3	0			

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EXISTING AM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #4 SR-905 (NB) / Otay Mesa Rd

Cycle (sec): 100 Critical Vol./Cap. (X): 0.554
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 20.0
Optimal Cycle: 44 Level Of Service: C

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Protected						Protected						Protected						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0				0	0	0				0	0	0				0	0	0			
Lanes:	2	0	0	0	1		0	0	0	0	0		0	0	2	0	0		0	0	2	0	0	
Volume Module:																								
Base Vol:	705	0	6				0	0	0				0	912	0				0	216	0			
Growth Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
Initial Bse:	705	0	6				0	0	0				0	912	0				0	216	0			
User Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
PHF Adj:	0.93	0.93	0.93				0.93	0.93	0.93				0.93	0.93	0.93				0.93	0.93	0.93			
PHF Volume:	757	0	6				0	0	0				0	980	0				0	232	0			
Reduct Vol:	0	0	0				0	0	0				0	0	0				0	0	0			
Reduced Vol:	757	0	6				0	0	0				0	980	0				0	232	0			
PCE Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
MLF Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
Final Vol.:	757	0	6				0	0	0				0	980	0				0	232	0			
Saturation Flow Module:																								
Sat/Lane:	1900	1900	1900				1900	1900	1900				1900	1900	1900				1900	1900	1900			
Adjustment:	0.92	1.00	0.85				1.00	1.00	1.00				1.00	0.95	1.00				1.00	0.95	1.00			
Lanes:	2.00	0.00	1.00				0.00	0.00	0.00				0.00	2.00	0.00				0.00	2.00	0.00			
Final Sat.:	3502	0	1615				0	0	0				0	3610	0				0	3610	0			
Capacity Analysis Module:																								
Vol/Sat:	0.22	0.00	0.00				0.00	0.00	0.00				0.00	0.27	0.00				0.00	0.06	0.00			
Crit Moves:	****													****					****					
Green/Cycle:	0.39	0.00	0.39				0.00	0.00	0.00				0.00	0.49	0.00				0.00	0.49	0.00			
Volume/Cap:	0.55	0.00	0.01				0.00	0.00	0.00				0.00	0.55	0.00				0.00	0.13	0.00			
Delay/Veh:	24.2	0.0	18.7				0.0	0.0	0.0				0.0	18.3	0.0				0.0	13.9	0.0			
User DelAdj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
AdjDel/Veh:	24.2	0.0	18.7				0.0	0.0	0.0				0.0	18.3	0.0				0.0	13.9	0.0			
HCM2kAvg:	10	0	0				0	0	0				0	11	0				0	2	0			

EXISTING AM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

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Intersection #5 Otay Mesa Rd / Sanyo Rd

****

Cycle (sec): 100 Critical Vol./Cap. (X): 0.356
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 3.2
Optimal Cycle: 33 Level Of Service: A

****

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1! 0	0	0 0	0 0	0	0 0	1 1	0	1 0	1 0	0
Volume Module:												
Base Vol:	36	0	0	0	0	0	0	582	348	0	174	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	36	0	0	0	0	0	0	582	348	0	174	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	40	0	0	0	0	0	0	645	386	0	193	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	0	0	0	0	0	0	645	386	0	193	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	40	0	0	0	0	0	0	645	386	0	193	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	1.00	1.00	1.00	1.00	1.00	1.00	0.90	0.90	1.00	1.00	1.00
Lanes:	2.00	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.75	1.00	1.00	0.00
Final Sat.:	3618	0	0	0	0	0	0	2133	1275	1900	1900	0
Capacity Analysis Module:												
Vol/Sat:	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.30	0.00	0.10	0.00
Crit Moves:	****							****		****		
Green/Cycle:	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.85	0.85	0.00	0.85	0.00
Volume/Cap:	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.36	0.00	0.12	0.00
Delay/Veh:	49.4	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	0.0	1.3	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	49.4	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7	0.0	1.3	0.0
HCM2kAvg:	1	0	0	0	0	0	0	4	4	0	1	0

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EXISTING AM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

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Intersection #6 Otay Mesa Rd / Enrico Fermi Dr

****

Cycle (sec): 100 Critical Vol./Cap. (X): 0.522
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 9.4
Optimal Cycle: 42 Level Of Service: A

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Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0 0 0 1			0 0 0 0 0			0 0 0 1 0			1 0 1 0 0		
Volume Module:												
Base Vol:	70	0	17	0	0	0	0	537	44	6	102	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	70	0	17	0	0	0	0	537	44	6	102	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
PHF Volume:	92	0	22	0	0	0	0	703	58	8	134	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	92	0	22	0	0	0	0	703	58	8	134	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	92	0	22	0	0	0	0	703	58	8	134	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	1.00	0.85	1.00	1.00	1.00	1.00	0.99	0.99	0.95	1.00	1.00
Lanes:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.92	0.08	1.00	1.00	0.00
Final Sat.:	1805	0	1615	0	0	0	0	1739	142	1805	1900	0
Capacity Analysis Module:												
Vol/Sat:	0.05	0.00	0.01	0.00	0.00	0.00	0.00	0.40	0.40	0.00	0.07	0.00
Crit Moves:	****							****		****		
Green/Cycle:	0.10	0.00	0.10	0.00	0.00	0.00	0.00	0.77	0.77	0.01	0.78	0.00
Volume/Cap:	0.52	0.00	0.14	0.00	0.00	0.00	0.00	0.52	0.52	0.52	0.09	0.00
Delay/Veh:	45.8	0.0	41.7	0.0	0.0	0.0	0.0	4.6	4.6	78.7	2.6	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	45.8	0.0	41.7	0.0	0.0	0.0	0.0	4.6	4.6	78.7	2.6	0.0
HCM2kAvg:	4	0	1	0	0	0	0	9	9	1	1	0

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EXISTING AM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #7 Otay Mesa Rd / Alta Rd

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Volume Module:																				
Base Vol:	0	0	0	0	0	0	0	0	0	94	523	0	0	0	0	0	0	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	0	0	0	0	94	523	0	0	0	0	0	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
PHF Volume:	0	0	0	0	0	0	0	0	0	126	698	0	0	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	0	0	0	0	0	0	126	698	0	0	0	0	0	0	0	0	0
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					6.2	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					3.3	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx					0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx				
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx					0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx				
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx					0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx				
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx					0.00	0.00	xxxx	xxxx	xxxx	xxxx	xxxx				
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
LOS by Move:	*	*	*	*	*					A	A	*	*	*	*	*				
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx					xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx				
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx					xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx					xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Shared LOS:	*	*	*	*	*	*					*	*	*	*	*	*				
ApproachDel:	xxxxxx					0.0					xxxxxx					xxxxxx				
ApproachLOS:	*					A					*					*				

EXISTING AM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

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Intersection #8 Alta Rd / Paseo De La Puente

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Cycle (sec): 100 Critical Vol./Cap. (X): 0.411
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 1.5
Optimal Cycle: 36 Level Of Service: A

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Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 0			1 0 1 0 0			0 0 0 0 0			1 0 0 0 1		
Volume Module:												
Base Vol:	0	516	6	2	93	0	0	0	0	2	0	4
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	516	6	2	93	0	0	0	0	2	0	4
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
PHF Volume:	0	676	8	3	122	0	0	0	0	3	0	5
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	676	8	3	122	0	0	0	0	3	0	5
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	676	8	3	122	0	0	0	0	3	0	5
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	0.95	1.00	0.85
Lanes:	0.00	0.99	0.01	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	1876	22	1805	1900	0	0	0	0	1805	0	1615
Capacity Analysis Module:												
Vol/Sat:	0.00	0.36	0.36	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Moves:		****		****							****	
Green/Cycle:	0.00	0.88	0.88	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Volume/Cap:	0.00	0.41	0.41	0.41	0.07	0.00	0.00	0.00	0.00	xxxx	0.00	xxxx
Delay/Veh:	0.0	1.4	1.4	87.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	1.4	1.4	87.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HCM2kAvg:	0	4	5	0	1	0	0	0	0	1	0	1

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EXISTING AM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #9 Alta Rd / North Access Rd

Average Delay (sec/veh): 0.5 Worst Case Level Of Service: C[15.4]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1	0 1		0 1 0	0 0		0 0 0	0 0		0 0 1!	0 0	
Volume Module:												
Base Vol:	0	509	14	4	82	0	0	0	0	12	0	8
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	509	14	4	82	0	0	0	0	12	0	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
PHF Volume:	0	644	18	5	104	0	0	0	0	15	0	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	644	18	5	104	0	0	0	0	15	0	10
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.4	xxxx	6.2
FollowUpTim:	xxxxx	xxxx	xxxxx	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	xxxx	3.3
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	696	xxxx	xxxxx	xxxx	xxxx	xxxxx	797	xxxx	678
Potent Cap.:	xxxx	xxxx	xxxxx	865	xxxx	xxxxx	xxxx	xxxx	xxxxx	341	xxxx	434
Move Cap.:	xxxx	xxxx	xxxxx	865	xxxx	xxxxx	xxxx	xxxx	xxxxx	339	xxxx	434
Volume/Cap:	xxxx	xxxx	xxxx	0.01	xxxx	xxxx	xxxx	xxxx	xxxx	0.04	xxxx	0.02
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	9.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	A	*	*	*	*	*	*	*	*
Movement:	LT - LTR - RT			LT - LTR - RT			LT - LTR - RT			LT - LTR - RT		
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	372	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.2	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	9.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	15.4	xxxxx
Shared LOS:	*	*	*	A	*	*	*	*	*	*	C	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			15.4		
ApproachLOS:	*			*			*			C		

EXISTING PM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 1 SR-905 / La Media Road	C	27.0	0.732	C	27.0	0.732	+ 0.000 D/V
# 2 SR-125 SB Off Ramp / SR-905	A	6.9	0.406	A	6.9	0.406	+ 0.000 D/V
# 3 SR-125 NB On Ramp / SR-905	A	8.0	0.695	A	8.0	0.695	+ 0.000 D/V
# 4 SR-905 (NB) / Otay Mesa Rd	C	24.5	0.746	C	24.5	0.746	+ 0.000 D/V
# 5 Otay Mesa Rd / Sanyo Rd	B	15.5	0.564	B	15.5	0.564	+ 0.000 D/V
# 6 Otay Mesa Rd / Enrico Fermi Dr	B	12.5	0.457	B	12.5	0.457	+ 0.000 D/V
# 7 Otay Mesa Rd / Alta Rd	A	0.0	0.000	A	0.0	0.000	+ 0.000 D/V
# 8 Alta Rd / Paseo De La Puente	A	1.2	0.385	A	1.2	0.385	+ 0.000 D/V
# 9 Alta Rd / North Access Rd	B	14.7	0.000	B	14.7	0.000	+ 0.000 D/V

EXISTING PM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #1 SR-905 / La Media Road

Cycle (sec): 100 Critical Vol./Cap. (X): 0.732
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 27.0
Optimal Cycle: 74 Level Of Service: C

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Protected						Protected						Protected						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0				0	0	0				0	0	0				0	0	0			
Lanes:	1	0	0	1	0		2	0	0	1	0		1	0	3	0	1		1	0	2	1	0	
Volume Module:																								
Base Vol:	231	23	64				54	49	102				57	1442	204				49	1469	36			
Growth Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
Initial Bse:	231	23	64				54	49	102				57	1442	204				49	1469	36			
User Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
PHF Adj:	0.88	0.88	0.88				0.88	0.88	0.88				0.88	0.88	0.88				0.88	0.88	0.88			
PHF Volume:	263	26	73				62	56	116				65	1644	233				56	1675	41			
Reduct Vol:	0	0	0				0	0	0				0	0	0				0	0	0			
Reduced Vol:	263	26	73				62	56	116				65	1644	233				56	1675	41			
PCE Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
MLF Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
Final Vol.:	263	26	73				62	56	116				65	1644	233				56	1675	41			
Saturation Flow Module:																								
Sat/Lane:	1900	1900	1900				1900	1900	1900				1900	1900	1900				1900	1900	1900			
Adjustment:	0.95	0.89	0.89				0.92	0.90	0.90				0.95	0.91	0.85				0.95	0.91	0.91			
Lanes:	1.00	0.26	0.74				2.00	0.32	0.68				1.00	3.00	1.00				1.00	2.93	0.07			
Final Sat.:	1805	447	1244				3502	554	1154				1805	5187	1615				1805	5043	124			
Capacity Analysis Module:																								
Vol/Sat:	0.15	0.06	0.06				0.02	0.10	0.10				0.04	0.32	0.14				0.03	0.33	0.33			
Crit Moves:	****							****					****							****				
Green/Cycle:	0.20	0.26	0.26				0.08	0.14	0.14				0.05	0.46	0.46				0.04	0.45	0.45			
Volume/Cap:	0.73	0.23	0.23				0.23	0.73	0.73				0.73	0.69	0.31				0.69	0.73	0.73			
Delay/Veh:	45.1	29.4	29.4				43.7	52.5	52.5				73.4	22.4	17.4				69.7	23.6	23.6			
User DelAdj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
AdjDel/Veh:	45.1	29.4	29.4				43.7	52.5	52.5				73.4	22.4	17.4				69.7	23.6	23.6			
HCM2kAvg:	10	2	2				1	7	7				4	14	5				3	15	16			

EXISTING PM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #2 SR-125 SB Off Ramp / SR-905

Cycle (sec): 100 Critical Vol./Cap. (X): 0.406
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 6.9
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 0 0			2 0 0 0 1			0 0 3 0 0			0 0 3 0 0		
Volume Module:												
Base Vol:	0	0	0	124	0	49	0	240	0	0	1541	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	124	0	49	0	240	0	0	1541	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	0	0	0	133	0	53	0	258	0	0	1655	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	133	0	53	0	258	0	0	1655	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	133	0	53	0	258	0	0	1655	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	1.00	1.00	0.92	1.00	0.85	1.00	0.91	1.00	1.00	0.91	1.00
Lanes:	0.00	0.00	0.00	2.00	0.00	1.00	0.00	3.00	0.00	0.00	3.00	0.00
Final Sat.:	0	0	0	3502	0	1615	0	5187	0	0	5187	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.03	0.00	0.05	0.00	0.00	0.32	0.00
Crit Moves:				****			****				****	
Green/Cycle:	0.00	0.00	0.00	0.09	0.00	0.09	0.00	0.79	0.00	0.00	0.79	0.00
Volume/Cap:	0.00	0.00	0.00	0.41	0.00	0.35	0.00	0.06	0.00	0.00	0.41	0.00
Delay/Veh:	0.0	0.0	0.0	43.5	0.0	43.8	0.0	2.4	0.0	0.0	3.4	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	43.5	0.0	43.8	0.0	2.4	0.0	0.0	3.4	0.0
HCM2kAvg:	0	0	0	2	0	2	0	1	0	0	5	0

EXISTING PM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #3 SR-125 NB On Ramp / SR-905

Cycle (sec): 100 Critical Vol./Cap. (X): 0.695
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 8.0
Optimal Cycle: 59 Level Of Service: A

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Protected						Protected						Protected						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0				0	0	0				0	0	0				0	0	0			
Lanes:	0	0	0	0	0		0	0	0	0	0		1	0	2	1	1		0	0	2	0	2	
Volume Module:																								
Base Vol:	0	0	0				0	0	0				117	241	0				0	1548	322			
Growth Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
Initial Bse:	0	0	0				0	0	0				117	241	0				0	1548	322			
User Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
PHF Adj:	0.81	0.81	0.81				0.81	0.81	0.81				0.81	0.81	0.81				0.81	0.81	0.81			
PHF Volume:	0	0	0				0	0	0				145	299	0				0	1918	399			
Reduct Vol:	0	0	0				0	0	0				0	0	0				0	0	0			
Reduced Vol:	0	0	0				0	0	0				145	299	0				0	1918	399			
PCE Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
MLF Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
Final Vol.:	0	0	0				0	0	0				145	299	0				0	1918	399			
Saturation Flow Module:																								
Sat/Lane:	1900	1900	1900				1900	1900	1900				1900	1900	1900				1900	1900	1900			
Adjustment:	1.00	1.00	1.00				1.00	1.00	1.00				0.95	0.91	0.91				1.00	0.95	0.75			
Lanes:	0.00	0.00	0.00				0.00	0.00	0.00				1.00	3.00	1.00				0.00	2.00	2.00			
Final Sat.:	0	0	0				0	0	0				1805	5187	1729				0	3610	2842			
Capacity Analysis Module:																								
Vol/Sat:	0.00	0.00	0.00				0.00	0.00	0.00				0.08	0.06	0.00				0.00	0.53	0.14			
Crit Moves:													****							****				
Green/Cycle:	0.00	0.00	0.00				0.00	0.00	0.00				0.12	0.88	0.00				0.00	0.76	0.76			
Volume/Cap:	0.00	0.00	0.00				0.00	0.00	0.00				0.70	0.07	0.00				0.00	0.70	0.18			
Delay/Veh:	0.0	0.0	0.0				0.0	0.0	0.0				52.3	0.8	0.0				0.0	6.7	3.3			
User DelAdj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
AdjDel/Veh:	0.0	0.0	0.0				0.0	0.0	0.0				52.3	0.8	0.0				0.0	6.7	3.3			
HCM2kAvg:	0	0	0				0	0	0				6	0	0				0	16	2			

EXISTING PM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #4 SR-905 (NB) / Otay Mesa Rd

Cycle (sec): 100 Critical Vol./Cap. (X): 0.746
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 24.5
Optimal Cycle: 66 Level Of Service: C

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Protected					Protected					Protected					Protected				
Rights:	Include					Include					Include					Include				
Min. Green:	0	0	0			0	0	0			0	0	0			0	0	0		
Lanes:	2	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0
Volume Module:																				
Base Vol:	1007	0	7			0	0	0			0	233	0			0	855	0		
Growth Adj:	1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00		
Initial Bse:	1007	0	7			0	0	0			0	233	0			0	855	0		
User Adj:	1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00		
PHF Adj:	0.80	0.80	0.80			0.80	0.80	0.80			0.80	0.80	0.80			0.80	0.80	0.80		
PHF Volume:	1260	0	9			0	0	0			0	292	0			0	1070	0		
Reduct Vol:	0	0	0			0	0	0			0	0	0			0	0	0		
Reduced Vol:	1260	0	9			0	0	0			0	292	0			0	1070	0		
PCE Adj:	1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00		
MLF Adj:	1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00		
Final Vol.:	1260	0	9			0	0	0			0	292	0			0	1070	0		
Saturation Flow Module:																				
Sat/Lane:	1900	1900	1900			1900	1900	1900			1900	1900	1900			1900	1900	1900		
Adjustment:	0.92	1.00	0.85			1.00	1.00	1.00			1.00	0.95	1.00			1.00	0.95	1.00		
Lanes:	2.00	0.00	1.00			0.00	0.00	0.00			0.00	2.00	0.00			0.00	2.00	0.00		
Final Sat.:	3502	0	1615			0	0	0			0	3610	0			0	3610	0		
Capacity Analysis Module:																				
Vol/Sat:	0.36	0.00	0.01			0.00	0.00	0.00			0.00	0.08	0.00			0.00	0.30	0.00		
Crit Moves:	****										****						****			
Green/Cycle:	0.48	0.00	0.48			0.00	0.00	0.00			0.00	0.40	0.00			0.00	0.40	0.00		
Volume/Cap:	0.75	0.00	0.01			0.00	0.00	0.00			0.00	0.20	0.00			0.00	0.75	0.00		
Delay/Veh:	22.8	0.0	13.5			0.0	0.0	0.0			0.0	19.8	0.0			0.0	28.0	0.0		
User DelAdj:	1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00		
AdjDel/Veh:	22.8	0.0	13.5			0.0	0.0	0.0			0.0	19.8	0.0			0.0	28.0	0.0		
HCM2kAvg:	18	0	0			0	0	0			0	3	0			0	15	0		

EXISTING PM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

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Intersection #5 Otay Mesa Rd / Sanyo Rd

****

Cycle (sec): 100 Critical Vol./Cap. (X): 0.564
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 15.5
Optimal Cycle: 45 Level Of Service: B

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Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1! 0	0	0 0	0 0	0	0 0	1 1	0	1 0	1 0	0
Volume Module:												
Base Vol:	274	0	4	0	0	0	0	124	109	4	566	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	274	0	4	0	0	0	0	124	109	4	566	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
PHF Volume:	363	0	5	0	0	0	0	164	144	5	750	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	363	0	5	0	0	0	0	164	144	5	750	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	363	0	5	0	0	0	0	164	144	5	750	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	1.00	0.95	1.00	1.00	1.00	1.00	0.88	0.88	0.95	1.00	1.00
Lanes:	1.97	0.00	0.03	0.00	0.00	0.00	0.00	1.06	0.94	1.00	1.00	0.00
Final Sat.:	3563	0	51	0	0	0	0	1787	1571	1805	1900	0
Capacity Analysis Module:												
Vol/Sat:	0.10	0.00	0.10	0.00	0.00	0.00	0.00	0.09	0.09	0.00	0.39	0.00
Crit Moves:	****						****				****	
Green/Cycle:	0.18	0.00	0.18	0.00	0.00	0.00	0.00	0.68	0.68	0.02	0.70	0.00
Volume/Cap:	0.56	0.00	0.57	0.00	0.00	0.00	0.00	0.14	0.14	0.14	0.56	0.00
Delay/Veh:	38.5	0.0	38.7	0.0	0.0	0.0	0.0	5.7	5.7	49.6	8.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	38.5	0.0	38.7	0.0	0.0	0.0	0.0	5.7	5.7	49.6	8.0	0.0
HCM2kAvg:	6	0	6	0	0	0	0	2	2	0	12	0

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EXISTING PM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

****

Intersection #6 Otay Mesa Rd / Enrico Fermi Dr

****

Cycle (sec): 100 Critical Vol./Cap. (X): 0.457
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 12.5
Optimal Cycle: 38 Level Of Service: B

****

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0 0 0 1			0 0 0 0 0			0 0 0 1 0			1 0 1 0 0		
Volume Module:												
Base Vol:	98	0	15	0	0	0	0	92	33	18	460	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	98	0	15	0	0	0	0	92	33	18	460	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74
PHF Volume:	133	0	20	0	0	0	0	125	45	24	624	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	133	0	20	0	0	0	0	125	45	24	624	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	133	0	20	0	0	0	0	125	45	24	624	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	1.00	0.85	1.00	1.00	1.00	1.00	0.96	0.96	0.95	1.00	1.00
Lanes:	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.74	0.26	1.00	1.00	0.00
Final Sat.:	1805	0	1615	0	0	0	0	1348	484	1805	1900	0
Capacity Analysis Module:												
Vol/Sat:	0.07	0.00	0.01	0.00	0.00	0.00	0.00	0.09	0.09	0.01	0.33	0.00
Crit Moves:	****						****				****	
Green/Cycle:	0.16	0.00	0.16	0.00	0.00	0.00	0.00	0.63	0.63	0.09	0.72	0.00
Volume/Cap:	0.46	0.00	0.08	0.00	0.00	0.00	0.00	0.15	0.15	0.15	0.46	0.00
Delay/Veh:	39.1	0.0	35.8	0.0	0.0	0.0	0.0	7.7	7.7	42.2	6.1	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	39.1	0.0	35.8	0.0	0.0	0.0	0.0	7.7	7.7	42.2	6.1	0.0
HCM2kAvg:	4	0	1	0	0	0	0	2	2	1	8	0

****

EXISTING PM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

****

Intersection #7 Otay Mesa Rd / Alta Rd

****

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

****

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Stop Sign			Stop Sign			Uncontrolled			Uncontrolled		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 0 0 0			0 0 0 0 1			1 0 0 0 0			0 0 0 0 0		
Volume Module:												
Base Vol:	0	0	0	0	0	407	74	0	0	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	0	0	407	74	0	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
PHF Volume:	0	0	0	0	0	653	119	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	0	0	653	119	0	0	0	0	0
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	6.2	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	3.3	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	0.00	0.00	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	A	A	*	*	*	*	*
Movement:	LT - LTR - RT			LT - LTR - RT			LT - LTR - RT			LT - LTR - RT		
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			0.0			xxxxxx			xxxxxx		
ApproachLOS:	*			A			*			*		

EXISTING PM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

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Intersection #8 Alta Rd / Paseo De La Puente

****

Cycle (sec): 100 Critical Vol./Cap. (X): 0.385
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 1.2
Optimal Cycle: 34 Level Of Service: A

****

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	1
Volume Module:																
Base Vol:	0	69	1		0	402	0		0	0	0		4	0	1	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Initial Bse:	0	69	1		0	402	0		0	0	0		4	0	1	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	0.62	0.62	0.62		0.62	0.62	0.62		0.62	0.62	0.62		0.62	0.62	0.62	
PHF Volume:	0	111	2		0	644	0		0	0	0		6	0	2	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	0	111	2		0	644	0		0	0	0		6	0	2	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	0	111	2		0	644	0		0	0	0		6	0	2	
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900	
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		0.95	1.00	0.85	
Lanes:	0.00	0.99	0.01		1.00	1.00	0.00		0.00	0.00	0.00		1.00	0.00	1.00	
Final Sat.:	0	1869	27		1900	1900	0		0	0	0		1805	0	1615	
Capacity Analysis Module:																
Vol/Sat:	0.00	0.06	0.06		0.00	0.34	0.00		0.00	0.00	0.00		0.00	0.00	0.00	
Crit Moves:	****					****								****		
Green/Cycle:	0.00	0.88	0.88		0.00	0.88	0.00		0.00	0.00	0.00		0.00	0.00	0.00	
Volume/Cap:	0.00	0.07	0.07		0.00	0.39	0.00		0.00	0.00	0.00		xxxx	0.00	xxxx	
Delay/Veh:	0.0	0.8	0.8		0.0	1.2	0.0		0.0	0.0	0.0		0.0	0.0	0.0	
User DelAdj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	0.0	0.8	0.8		0.0	1.2	0.0		0.0	0.0	0.0		0.0	0.0	0.0	
HCM2kAvg:	0	0	1		0	4	0		0	0	0		2	0	1	

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EXISTING PM PEAK HOUR
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

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Intersection #9 Alta Rd / North Access Rd

****

Average Delay (sec/veh): 0.5 Worst Case Level Of Service: B[14.7]

****

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1 0 1			0 0 1 0 0			0 0 0 0 0			1 0 0 0 0		
Volume Module:												
Base Vol:	0	58	11	0	382	0	0	0	0	16	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	58	11	0	382	0	0	0	0	16	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
PHF Volume:	0	95	18	0	625	0	0	0	0	26	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	95	18	0	625	0	0	0	0	26	0	0
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.4	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	720	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	398	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	398	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	0.07	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.2	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	14.7	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	B	*	*
Movement:	LT - LTR - RT			LT - LTR - RT			LT - LTR - RT			LT - LTR - RT		
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			14.7		
ApproachLOS:	*			*			*			B		

2013 AM PEAK HOUR WITHOUT PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 1 SR-905 / La Media Road	C	21.6	0.670	C	21.6	0.670	+ 0.000 D/V
# 2 SR-125 SB Off Ramp / SR-905	B	18.7	0.432	B	18.7	0.432	+ 0.000 D/V
# 3 SR-125 NB On Ramp / SR-905	A	2.1	0.344	A	2.1	0.344	+ 0.000 D/V
# 4 SR-905 (NB) / Otay Mesa Rd	C	21.1	0.621	C	21.1	0.621	+ 0.000 D/V
# 5 Otay Mesa Rd / Sanyo Rd	A	3.3	0.399	A	3.3	0.399	+ 0.000 D/V
# 6 Otay Mesa Rd / Enrico Fermi Dr	B	10.3	0.585	B	10.3	0.585	+ 0.000 D/V
# 7 Otay Mesa Rd / Alta Rd	A	0.0	0.000	A	0.0	0.000	+ 0.000 D/V
# 8 Alta Rd / Paseo De La Puente	A	1.7	0.461	A	1.7	0.461	+ 0.000 D/V
# 9 Alta Rd / North Access Rd	C	17.3	0.000	C	17.3	0.000	+ 0.000 D/V

2013 AM PEAK HOUR WITHOUT PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #1 SR-905 / La Media Road

Cycle (sec): 100 Critical Vol./Cap. (X): 0.670
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 21.6
Optimal Cycle: 65 Level Of Service: C

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Protected						Protected						Protected						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0				0	0	0				0	0	0				0	0	0			
Lanes:	1	0	0	1	0		2	0	0	1	0		1	0	3	0	1		1	0	2	1	0	
Volume Module:																								
Base Vol:	94		22		34		30		43		43		83		1371		359		98		861		60	
Growth Adj:	1.12		1.12		1.12		1.12		1.12		1.12		1.12		1.12		1.12		1.12		1.12		1.12	
Initial Bse:	105		25		38		34		48		48		93		1536		402		110		964		67	
User Adj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
PHF Adj:	0.84		0.84		0.84		0.84		0.84		0.84		0.84		0.84		0.84		0.84		0.84		0.84	
PHF Volume:	126		30		46		40		58		58		111		1839		482		131		1155		80	
Reduct Vol:	0		0		0		0		0		0		0		0		0		0		0		0	
Reduced Vol:	126		30		46		40		58		58		111		1839		482		131		1155		80	
PCE Adj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
MLF Adj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Final Vol.:	126		30		46		40		58		58		111		1839		482		131		1155		80	
Saturation Flow Module:																								
Sat/Lane:	1900		1900		1900		1900		1900		1900		1900		1900		1900		1900		1900		1900	
Adjustment:	0.95		0.91		0.91		0.92		0.93		0.93		0.95		0.91		0.85		0.95		0.90		0.90	
Lanes:	1.00		0.39		0.61		2.00		0.50		0.50		1.00		3.00		1.00		1.00		2.80		0.20	
Final Sat.:	1805		679		1049		3502		879		879		1805		5187		1615		1805		4801		335	
Capacity Analysis Module:																								
Vol/Sat:	0.07		0.04		0.04		0.01		0.07		0.07		0.06		0.35		0.30		0.07		0.24		0.24	
Crit Moves:	****								****						****				****					
Green/Cycle:	0.10		0.16		0.16		0.04		0.10		0.10		0.13		0.53		0.53		0.11		0.51		0.51	
Volume/Cap:	0.67		0.27		0.27		0.27		0.67		0.67		0.47		0.67		0.56		0.67		0.47		0.47	
Delay/Veh:	52.1		37.4		37.4		47.4		53.3		53.3		41.8		17.8		16.7		51.5		16.1		16.1	
User DelAdj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
AdjDel/Veh:	52.1		37.4		37.4		47.4		53.3		53.3		41.8		17.8		16.7		51.5		16.1		16.1	
HCM2kAvg:	5		2		2		1		5		5		4		14		10		5		8		8	

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PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #2 SR-125 SB Off Ramp / SR-905

Cycle (sec): 100 Critical Vol./Cap. (X): 0.432
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 18.7
Optimal Cycle: 37 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 0 0			2 0 0 0 1			0 0 3 0 0			0 0 3 0 0		
Volume Module:												
Base Vol:	0	0	0	524	0	171	0	425	0	0	840	0
Growth Adj:	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
Initial Bse:	0	0	0	587	0	192	0	476	0	0	941	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	0	0	639	0	209	0	519	0	0	1025	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	639	0	209	0	519	0	0	1025	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	639	0	209	0	519	0	0	1025	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	1.00	1.00	0.92	1.00	0.85	1.00	0.91	1.00	1.00	0.91	1.00
Lanes:	0.00	0.00	0.00	2.00	0.00	1.00	0.00	3.00	0.00	0.00	3.00	0.00
Final Sat.:	0	0	0	3502	0	1615	0	5187	0	0	5187	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.18	0.00	0.13	0.00	0.10	0.00	0.00	0.20	0.00
Crit Moves:				****			****				****	
Green/Cycle:	0.00	0.00	0.00	0.42	0.00	0.42	0.00	0.46	0.00	0.00	0.46	0.00
Volume/Cap:	0.00	0.00	0.00	0.43	0.00	0.31	0.00	0.22	0.00	0.00	0.43	0.00
Delay/Veh:	0.0	0.0	0.0	20.6	0.0	19.4	0.0	16.4	0.0	0.0	18.5	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	20.6	0.0	19.4	0.0	16.4	0.0	0.0	18.5	0.0
HCM2kAvg:	0	0	0	7	0	4	0	3	0	0	7	0

2013 AM PEAK HOUR WITHOUT PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #3 SR-125 NB On Ramp / SR-905

Cycle (sec): 100 Critical Vol./Cap. (X): 0.344
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 2.1
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 0 0			0 0 0 0 0			1 0 2 1 1			0 0 2 0 2		
Volume Module:												
Base Vol:	0	0	0	0	0	0	25	915	0	0	853	70
Growth Adj:	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
Initial Bse:	0	0	0	0	0	0	28	1025	0	0	955	78
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	0	0	0	0	0	0	30	1107	0	0	1032	85
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	30	1107	0	0	1032	85
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	0	0	0	30	1107	0	0	1032	85
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.91	0.91	1.00	0.95	0.75
Lanes:	0.00	0.00	0.00	0.00	0.00	0.00	1.00	3.00	1.00	0.00	2.00	2.00
Final Sat.:	0	0	0	0	0	0	1805	5187	1729	0	3610	2842
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.21	0.00	0.00	0.29	0.03
Crit Moves:							****				****	
Green/Cycle:	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.88	0.00	0.00	0.83	0.83
Volume/Cap:	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.24	0.00	0.00	0.34	0.04
Delay/Veh:	0.0	0.0	0.0	0.0	0.0	0.0	48.4	0.9	0.0	0.0	2.1	1.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	0.0	0.0	0.0	48.4	0.9	0.0	0.0	2.1	1.5
HCM2kAvg:	0	0	0	0	0	0	1	2	0	0	4	0

2013 AM PEAK HOUR WITHOUT PROJECT
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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #4 SR-905 (NB) / Otay Mesa Rd

Cycle (sec): 100 Critical Vol./Cap. (X): 0.621
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 21.1
Optimal Cycle: 50 Level Of Service: C

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Protected					Protected					Protected					Protected				
Rights:	Include					Include					Include					Include				
Min. Green:	0	0	0			0	0	0			0	0	0			0	0	0		
Lanes:	2	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0
Volume Module:																				
Base Vol:	705	0	6			0	0	0			0	912	0			0	216	0		
Growth Adj:	1.12	1.12	1.12			1.12	1.12	1.12			1.12	1.12	1.12			1.12	1.12	1.12		
Initial Bse:	790	0	7			0	0	0			0	1021	0			0	242	0		
User Adj:	1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00		
PHF Adj:	0.93	0.93	0.93			0.93	0.93	0.93			0.93	0.93	0.93			0.93	0.93	0.93		
PHF Volume:	848	0	7			0	0	0			0	1097	0			0	260	0		
Reduct Vol:	0	0	0			0	0	0			0	0	0			0	0	0		
Reduced Vol:	848	0	7			0	0	0			0	1097	0			0	260	0		
PCE Adj:	1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00		
MLF Adj:	1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00		
Final Vol.:	848	0	7			0	0	0			0	1097	0			0	260	0		
Saturation Flow Module:																				
Sat/Lane:	1900	1900	1900			1900	1900	1900			1900	1900	1900			1900	1900	1900		
Adjustment:	0.92	1.00	0.85			1.00	1.00	1.00			1.00	0.95	1.00			1.00	0.95	1.00		
Lanes:	2.00	0.00	1.00			0.00	0.00	0.00			0.00	2.00	0.00			0.00	2.00	0.00		
Final Sat.:	3502	0	1615			0	0	0			0	3610	0			0	3610	0		
Capacity Analysis Module:																				
Vol/Sat:	0.24	0.00	0.00			0.00	0.00	0.00			0.00	0.30	0.00			0.00	0.07	0.00		
Crit Moves:	****											****				****				
Green/Cycle:	0.39	0.00	0.39			0.00	0.00	0.00			0.00	0.49	0.00			0.00	0.49	0.00		
Volume/Cap:	0.62	0.00	0.01			0.00	0.00	0.00			0.00	0.62	0.00			0.00	0.15	0.00		
Delay/Veh:	25.4	0.0	18.7			0.0	0.0	0.0			0.0	19.4	0.0			0.0	14.1	0.0		
User DelAdj:	1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00		
AdjDel/Veh:	25.4	0.0	18.7			0.0	0.0	0.0			0.0	19.4	0.0			0.0	14.1	0.0		
HCM2kAvg:	12	0	0			0	0	0			0	13	0			0	2	0		

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #5 Otay Mesa Rd / Sanyo Rd

Cycle (sec): 100 Critical Vol./Cap. (X): 0.399
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 3.3
Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	1	0	1!	0	0	0	0	0	0	0	0	1	1	0	1	0	0
Volume Module:																
Base Vol:	36	0	0		0	0	0		0	582	348		0	174	0	
Growth Adj:	1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12	
Initial Bse:	40	0	0		0	0	0		0	652	390		0	195	0	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	0.90	0.90	0.90		0.90	0.90	0.90		0.90	0.90	0.90		0.90	0.90	0.90	
PHF Volume:	45	0	0		0	0	0		0	723	432		0	216	0	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	45	0	0		0	0	0		0	723	432		0	216	0	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	45	0	0		0	0	0		0	723	432		0	216	0	
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900	
Adjustment:	0.95	1.00	1.00		1.00	1.00	1.00		1.00	0.90	0.90		1.00	1.00	1.00	
Lanes:	2.00	0.00	0.00		0.00	0.00	0.00		0.00	1.25	0.75		1.00	1.00	0.00	
Final Sat.:	3618	0	0		0	0	0		0	2133	1275		1900	1900	0	
Capacity Analysis Module:																
Vol/Sat:	0.01	0.00	0.00		0.00	0.00	0.00		0.00	0.34	0.34		0.00	0.11	0.00	
Crit Moves:	****									****			****			
Green/Cycle:	0.03	0.00	0.00		0.00	0.00	0.00		0.00	0.85	0.85		0.00	0.85	0.00	
Volume/Cap:	0.40	0.00	0.00		0.00	0.00	0.00		0.00	0.40	0.40		0.00	0.13	0.00	
Delay/Veh:	49.9	0.0	0.0		0.0	0.0	0.0		0.0	1.8	1.8		0.0	1.3	0.0	
User DelAdj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	49.9	0.0	0.0		0.0	0.0	0.0		0.0	1.8	1.8		0.0	1.3	0.0	
HCM2kAvg:	1	0	0		0	0	0		0	4	4		0	1	0	

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #6 Otay Mesa Rd / Enrico Fermi Dr

Cycle (sec): 100 Critical Vol./Cap. (X): 0.585
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 10.3
Optimal Cycle: 47 Level Of Service: B

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	1	0 0	0 1		0	0 0	0 0		0	0 0	1 0		1	0 1	0 0	
Volume Module:																
Base Vol:	70	0	17		0	0	0		0	537	44		6	102	0	
Growth Adj:	1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12	
Initial Bse:	78	0	19		0	0	0		0	601	49		7	114	0	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	0.76	0.76	0.76		0.76	0.76	0.76		0.76	0.76	0.76		0.76	0.76	0.76	
PHF Volume:	103	0	25		0	0	0		0	787	65		9	150	0	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	103	0	25		0	0	0		0	787	65		9	150	0	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	103	0	25		0	0	0		0	787	65		9	150	0	
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900	
Adjustment:	0.95	1.00	0.85		1.00	1.00	1.00		1.00	0.99	0.99		0.95	1.00	1.00	
Lanes:	1.00	0.00	1.00		0.00	0.00	0.00		0.00	0.92	0.08		1.00	1.00	0.00	
Final Sat.:	1805	0	1615		0	0	0		0	1739	142		1805	1900	0	
Capacity Analysis Module:																
Vol/Sat:	0.06	0.00	0.02		0.00	0.00	0.00		0.00	0.45	0.45		0.00	0.08	0.00	
Crit Moves:	****									****			****			
Green/Cycle:	0.10	0.00	0.10		0.00	0.00	0.00		0.00	0.77	0.77		0.01	0.78	0.00	
Volume/Cap:	0.58	0.00	0.16		0.00	0.00	0.00		0.00	0.58	0.58		0.58	0.10	0.00	
Delay/Veh:	48.2	0.0	41.9		0.0	0.0	0.0		0.0	5.3	5.3		97.1	2.6	0.0	
User DelAdj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	48.2	0.0	41.9		0.0	0.0	0.0		0.0	5.3	5.3		97.1	2.6	0.0	
HCM2kAvg:	4	0	1		0	0	0		0	11	11		1	1	0	

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Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #7 Otay Mesa Rd / Alta Rd

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Volume Module:																				
Base Vol:	0	0	0	0	0	0	0	0	0	94	523	0	0	0	0	0	0	0	0	0
Growth Adj:	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
Initial Bse:	0	0	0	0	0	0	0	0	0	105	586	0	0	0	0	0	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
PHF Volume:	0	0	0	0	0	0	0	0	0	141	782	0	0	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	0	0	0	0	0	0	141	782	0	0	0	0	0	0	0	0	0
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					6.2	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					3.3	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx					0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx				
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx					0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx				
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx					0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx				
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx					0.00	0.00	xxxx	xxxx	xxxx	xxxx	xxxx				
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
LOS by Move:	*	*	*	*	*					A	A	*	*	*	*	*				
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx					xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx				
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx					xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx					xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Shared LOS:	*	*	*	*	*	*					*	*	*	*	*	*				
ApproachDel:	xxxxxx					0.0					xxxxxx					xxxxxx				
ApproachLOS:	*					A					*					*				

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #8 Alta Rd / Paseo De La Puente

Cycle (sec): 100 Critical Vol./Cap. (X): 0.461
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 1.7
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 0			1 0 1 0 0			0 0 0 0 0			1 0 0 0 1		
Volume Module:												
Base Vol:	0	516	6	2	93	0	0	0	0	2	0	4
Growth Adj:	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
Initial Bse:	0	578	7	2	104	0	0	0	0	2	0	4
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
PHF Volume:	0	757	9	3	137	0	0	0	0	3	0	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	757	9	3	137	0	0	0	0	3	0	6
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	757	9	3	137	0	0	0	0	3	0	6
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	0.95	1.00	0.85
Lanes:	0.00	0.99	0.01	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	1876	22	1805	1900	0	0	0	0	1805	0	1615
Capacity Analysis Module:												
Vol/Sat:	0.00	0.40	0.40	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Moves:		****		****							****	
Green/Cycle:	0.00	0.88	0.88	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Volume/Cap:	0.00	0.46	0.46	0.46	0.08	0.00	0.00	0.00	0.00	xxxx	0.00	xxxx
Delay/Veh:	0.0	1.5	1.5	94.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	1.5	1.5	94.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HCM2kAvg:	0	5	6	1	1	0	0	0	0	1	0	1

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Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

****

Intersection #9 Alta Rd / North Access Rd

****

Average Delay (sec/veh): 0.6 Worst Case Level Of Service: C[17.3]

****

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1	0 1		0 1 0	0 0		0 0 0	0 0		0 0 1!	0 0	
Volume Module:												
Base Vol:	0	509	14	4	82	0	0	0	0	12	0	8
Growth Adj:	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
Initial Bse:	0	570	16	4	92	0	0	0	0	13	0	9
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
PHF Volume:	0	722	20	6	116	0	0	0	0	17	0	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	722	20	6	116	0	0	0	0	17	0	11
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.4	xxxx	6.2
FollowUpTim:	xxxxx	xxxx	xxxxx	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	xxxx	3.3
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	787	xxxx	xxxxx	xxxx	xxxx	xxxxx	901	xxxx	766
Potent Cap.:	xxxx	xxxx	xxxxx	792	xxxx	xxxxx	xxxx	xxxx	xxxxx	293	xxxx	382
Move Cap.:	xxxx	xxxx	xxxxx	792	xxxx	xxxxx	xxxx	xxxx	xxxxx	291	xxxx	382
Volume/Cap:	xxxx	xxxx	xxxx	0.01	xxxx	xxxx	xxxx	xxxx	xxxx	0.06	xxxx	0.03
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	9.6	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	*	*	*	A	*	*	*	*	*	*	*	*
Movement:	LT - LTR - RT			LT - LTR - RT			LT - LTR - RT			LT - LTR - RT		
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	322	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.3	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	9.6	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	17.3	xxxxx
Shared LOS:	*	*	*	A	*	*	*	*	*	*	C	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			17.3		
ApproachLOS:	*			*			*			C		

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Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in D/V
# 1 SR-905 / La Media Road	C	30.1	0.820	C	30.1	0.820	+ 0.000
# 2 SR-125 SB Off Ramp / SR-905	A	7.1	0.455	A	7.1	0.455	+ 0.000
# 3 SR-125 NB On Ramp / SR-905	A	9.5	0.779	A	9.5	0.779	+ 0.000
# 4 SR-905 (NB) / Otay Mesa Rd	C	27.7	0.835	C	27.7	0.835	+ 0.000
# 5 Otay Mesa Rd / Sanyo Rd	B	16.5	0.634	B	16.5	0.634	+ 0.000
# 6 Otay Mesa Rd / Enrico Fermi Dr	B	12.9	0.512	B	12.9	0.512	+ 0.000
# 7 Otay Mesa Rd / Alta Rd	A	0.0	0.000	A	0.0	0.000	+ 0.000
# 8 Alta Rd / Paseo De La Puente	A	1.2	0.432	A	1.2	0.432	+ 0.000
# 9 Alta Rd / North Access Rd	C	16.1	0.000	C	16.1	0.000	+ 0.000

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #1 SR-905 / La Media Road

Cycle (sec): 100 Critical Vol./Cap. (X): 0.820
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 30.1
Optimal Cycle: 91 Level Of Service: C

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Protected						Protected						Protected						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0				0	0	0				0	0	0				0	0	0			
Lanes:	1	0	0	1	0		2	0	0	1	0		1	0	3	0	1		1	0	2	1	0	
Volume Module:																								
Base Vol:	231		23		64		54		49		102		57		1442		204		49		1469		36	
Growth Adj:	1.12		1.12		1.12		1.12		1.12		1.12		1.12		1.12		1.12		1.12		1.12		1.12	
Initial Bse:	259		26		72		60		55		114		64		1615		228		55		1645		40	
User Adj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
PHF Adj:	0.88		0.88		0.88		0.88		0.88		0.88		0.88		0.88		0.88		0.88		0.88		0.88	
PHF Volume:	295		29		82		69		63		130		73		1842		261		63		1876		46	
Reduct Vol:	0		0		0		0		0		0		0		0		0		0		0		0	
Reduced Vol:	295		29		82		69		63		130		73		1842		261		63		1876		46	
PCE Adj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
MLF Adj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Final Vol.:	295		29		82		69		63		130		73		1842		261		63		1876		46	
Saturation Flow Module:																								
Sat/Lane:	1900		1900		1900		1900		1900		1900		1900		1900		1900		1900		1900		1900	
Adjustment:	0.95		0.89		0.89		0.92		0.90		0.90		0.95		0.91		0.85		0.95		0.91		0.91	
Lanes:	1.00		0.26		0.74		2.00		0.32		0.68		1.00		3.00		1.00		1.00		2.93		0.07	
Final Sat.:	1805		447		1244		3502		554		1154		1805		5187		1615		1805		5043		124	
Capacity Analysis Module:																								
Vol/Sat:	0.16		0.07		0.07		0.02		0.11		0.11		0.04		0.36		0.16		0.03		0.37		0.37	
Crit Moves:	****								****				****								****			
Green/Cycle:	0.20		0.26		0.26		0.08		0.14		0.14		0.05		0.46		0.46		0.04		0.45		0.45	
Volume/Cap:	0.82		0.25		0.25		0.25		0.82		0.82		0.82		0.77		0.35		0.77		0.82		0.82	
Delay/Veh:	52.2		29.7		29.7		43.9		61.8		61.8		90.0		24.4		17.8		83.6		26.2		26.2	
User DelAdj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
AdjDel/Veh:	52.2		29.7		29.7		43.9		61.8		61.8		90.0		24.4		17.8		83.6		26.2		26.2	
HCM2kAvg:	12		3		3		1		8		8		4		17		5		4		19		20	

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #2 SR-125 SB Off Ramp / SR-905

Cycle (sec): 100 Critical Vol./Cap. (X): 0.455
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 7.1
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 0 0			2 0 0 0 1			0 0 3 0 0			0 0 3 0 0		
Volume Module:												
Base Vol:	0	0	0	124	0	49	0	240	0	0	1541	0
Growth Adj:	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
Initial Bse:	0	0	0	139	0	55	0	269	0	0	1726	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	0	0	0	149	0	59	0	289	0	0	1854	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	149	0	59	0	289	0	0	1854	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	149	0	59	0	289	0	0	1854	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	1.00	1.00	0.92	1.00	0.85	1.00	0.91	1.00	1.00	0.91	1.00
Lanes:	0.00	0.00	0.00	2.00	0.00	1.00	0.00	3.00	0.00	0.00	3.00	0.00
Final Sat.:	0	0	0	3502	0	1615	0	5187	0	0	5187	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.06	0.00	0.00	0.36	0.00
Crit Moves:				****			****				****	
Green/Cycle:	0.00	0.00	0.00	0.09	0.00	0.09	0.00	0.79	0.00	0.00	0.79	0.00
Volume/Cap:	0.00	0.00	0.00	0.45	0.00	0.39	0.00	0.07	0.00	0.00	0.45	0.00
Delay/Veh:	0.0	0.0	0.0	43.9	0.0	44.3	0.0	2.4	0.0	0.0	3.6	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	43.9	0.0	44.3	0.0	2.4	0.0	0.0	3.6	0.0
HCM2kAvg:	0	0	0	3	0	2	0	1	0	0	7	0

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Level Of Service Computation Report
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Intersection #3 SR-125 NB On Ramp / SR-905

Cycle (sec): 100 Critical Vol./Cap. (X): 0.779
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 9.5
Optimal Cycle: 72 Level Of Service: A

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Protected						Protected						Protected						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0				0	0	0				0	0	0				0	0	0			
Lanes:	0	0	0	0	0		0	0	0	0	0		1	0	2	1	1		0	0	2	0	2	
Volume Module:																								
Base Vol:	0	0	0				0	0	0				117	241	0				0	1548	322			
Growth Adj:	1.12	1.12	1.12				1.12	1.12	1.12				1.12	1.12	1.12				1.12	1.12	1.12			
Initial Bse:	0	0	0				0	0	0				131	270	0				0	1734	361			
User Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
PHF Adj:	0.81	0.81	0.81				0.81	0.81	0.81				0.81	0.81	0.81				0.81	0.81	0.81			
PHF Volume:	0	0	0				0	0	0				162	334	0				0	2148	447			
Reduct Vol:	0	0	0				0	0	0				0	0	0				0	0	0			
Reduced Vol:	0	0	0				0	0	0				162	334	0				0	2148	447			
PCE Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
MLF Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
Final Vol.:	0	0	0				0	0	0				162	334	0				0	2148	447			
Saturation Flow Module:																								
Sat/Lane:	1900	1900	1900				1900	1900	1900				1900	1900	1900				1900	1900	1900			
Adjustment:	1.00	1.00	1.00				1.00	1.00	1.00				0.95	0.91	0.91				1.00	0.95	0.75			
Lanes:	0.00	0.00	0.00				0.00	0.00	0.00				1.00	3.00	1.00				0.00	2.00	2.00			
Final Sat.:	0	0	0				0	0	0				1805	5187	1729				0	3610	2842			
Capacity Analysis Module:																								
Vol/Sat:	0.00	0.00	0.00				0.00	0.00	0.00				0.09	0.06	0.00				0.00	0.60	0.16			
Crit Moves:													****							****				
Green/Cycle:	0.00	0.00	0.00				0.00	0.00	0.00				0.12	0.88	0.00				0.00	0.76	0.76			
Volume/Cap:	0.00	0.00	0.00				0.00	0.00	0.00				0.78	0.07	0.00				0.00	0.78	0.21			
Delay/Veh:	0.0	0.0	0.0				0.0	0.0	0.0				59.8	0.8	0.0				0.0	8.3	3.3			
User DelAdj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
AdjDel/Veh:	0.0	0.0	0.0				0.0	0.0	0.0				59.8	0.8	0.0				0.0	8.3	3.3			
HCM2kAvg:	0	0	0				0	0	0				7	0	0				0	21	2			

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #4 SR-905 (NB) / Otay Mesa Rd

Cycle (sec): 100 Critical Vol./Cap. (X): 0.835
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 27.7
Optimal Cycle: 86 Level Of Service: C

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Protected						Protected						Protected						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0				0	0	0				0	0	0				0	0	0			
Lanes:	2	0	0	0	1		0	0	0	0	0		0	0	2	0	0		0	0	2	0	0	
Volume Module:																								
Base Vol:	1007	0	7				0	0	0				0	233	0				0	855	0			
Growth Adj:	1.12	1.12	1.12				1.12	1.12	1.12				1.12	1.12	1.12				1.12	1.12	1.12			
Initial Bse:	1128	0	8				0	0	0				0	261	0				0	958	0			
User Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
PHF Adj:	0.80	0.80	0.80				0.80	0.80	0.80				0.80	0.80	0.80				0.80	0.80	0.80			
PHF Volume:	1412	0	10				0	0	0				0	327	0				0	1198	0			
Reduct Vol:	0	0	0				0	0	0				0	0	0				0	0	0			
Reduced Vol:	1412	0	10				0	0	0				0	327	0				0	1198	0			
PCE Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
MLF Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
Final Vol.:	1412	0	10				0	0	0				0	327	0				0	1198	0			
Saturation Flow Module:																								
Sat/Lane:	1900	1900	1900				1900	1900	1900				1900	1900	1900				1900	1900	1900			
Adjustment:	0.92	1.00	0.85				1.00	1.00	1.00				1.00	0.95	1.00				1.00	0.95	1.00			
Lanes:	2.00	0.00	1.00				0.00	0.00	0.00				0.00	2.00	0.00				0.00	2.00	0.00			
Final Sat.:	3502	0	1615				0	0	0				0	3610	0				0	3610	0			
Capacity Analysis Module:																								
Vol/Sat:	0.40	0.00	0.01				0.00	0.00	0.00				0.00	0.09	0.00				0.00	0.33	0.00			
Crit Moves:	****												****							****				
Green/Cycle:	0.48	0.00	0.48				0.00	0.00	0.00				0.00	0.40	0.00				0.00	0.40	0.00			
Volume/Cap:	0.84	0.00	0.01				0.00	0.00	0.00				0.00	0.23	0.00				0.00	0.84	0.00			
Delay/Veh:	26.2	0.0	13.5				0.0	0.0	0.0				0.0	20.0	0.0				0.0	31.6	0.0			
User DelAdj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
AdjDel/Veh:	26.2	0.0	13.5				0.0	0.0	0.0				0.0	20.0	0.0				0.0	31.6	0.0			
HCM2kAvg:	22	0	0				0	0	0				0	3	0				0	19	0			

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #5 Otay Mesa Rd / Sanyo Rd

Cycle (sec): 100 Critical Vol./Cap. (X): 0.634
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 16.5
Optimal Cycle: 52 Level Of Service: B

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	1	0	1!	0	0	0	0	0	0	0	0	1	1	0	1	0	0
Volume Module:																
Base Vol:	274	0	4		0	0	0		0	124	109		4	566	0	
Growth Adj:	1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12	
Initial Bse:	307	0	4		0	0	0		0	139	122		4	634	0	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	0.76	0.76	0.76		0.76	0.76	0.76		0.76	0.76	0.76		0.76	0.76	0.76	
PHF Volume:	406	0	6		0	0	0		0	184	162		6	840	0	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	406	0	6		0	0	0		0	184	162		6	840	0	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	406	0	6		0	0	0		0	184	162		6	840	0	
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900	
Adjustment:	0.95	1.00	0.95		1.00	1.00	1.00		1.00	0.88	0.88		0.95	1.00	1.00	
Lanes:	1.97	0.00	0.03		0.00	0.00	0.00		0.00	1.06	0.94		1.00	1.00	0.00	
Final Sat.:	3563	0	51		0	0	0		0	1787	1571		1805	1900	0	
Capacity Analysis Module:																
Vol/Sat:	0.11	0.00	0.12		0.00	0.00	0.00		0.00	0.10	0.10		0.00	0.44	0.00	
Crit Moves:			****						****					****		
Green/Cycle:	0.18	0.00	0.18		0.00	0.00	0.00		0.00	0.68	0.68		0.02	0.70	0.00	
Volume/Cap:	0.62	0.00	0.63		0.00	0.00	0.00		0.00	0.15	0.15		0.15	0.63	0.00	
Delay/Veh:	39.6	0.0	39.8		0.0	0.0	0.0		0.0	5.9	5.9		49.8	9.2	0.0	
User DelAdj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	39.6	0.0	39.8		0.0	0.0	0.0		0.0	5.9	5.9		49.8	9.2	0.0	
HCM2kAvg:	7	0	7		0	0	0		0	2	2		0	14	0	

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PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #6 Otay Mesa Rd / Enrico Fermi Dr

Cycle (sec): 100 Critical Vol./Cap. (X): 0.512
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 12.9
Optimal Cycle: 41 Level Of Service: B

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Protected						Protected						Protected						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0				0	0	0				0	0	0				0	0	0			
Lanes:	1	0	0	0	1		0	0	0	0	0		0	0	0	1	0		1	0	1	0	0	
Volume Module:																								
Base Vol:	98	0	15				0	0	0				0	92	33				18	460	0			
Growth Adj:	1.12	1.12	1.12				1.12	1.12	1.12				1.12	1.12	1.12				1.12	1.12	1.12			
Initial Bse:	110	0	17				0	0	0				0	103	37				20	515	0			
User Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
PHF Adj:	0.74	0.74	0.74				0.74	0.74	0.74				0.74	0.74	0.74				0.74	0.74	0.74			
PHF Volume:	149	0	23				0	0	0				0	140	50				27	699	0			
Reduct Vol:	0	0	0				0	0	0				0	0	0				0	0	0			
Reduced Vol:	149	0	23				0	0	0				0	140	50				27	699	0			
PCE Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
MLF Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
Final Vol.:	149	0	23				0	0	0				0	140	50				27	699	0			
Saturation Flow Module:																								
Sat/Lane:	1900	1900	1900				1900	1900	1900				1900	1900	1900				1900	1900	1900			
Adjustment:	0.95	1.00	0.85				1.00	1.00	1.00				1.00	0.96	0.96				0.95	1.00	1.00			
Lanes:	1.00	0.00	1.00				0.00	0.00	0.00				0.00	0.74	0.26				1.00	1.00	0.00			
Final Sat.:	1805	0	1615				0	0	0				0	1348	484				1805	1900	0			
Capacity Analysis Module:																								
Vol/Sat:	0.08	0.00	0.01				0.00	0.00	0.00				0.00	0.10	0.10				0.02	0.37	0.00			
Crit Moves:	****												****							****				
Green/Cycle:	0.16	0.00	0.16				0.00	0.00	0.00				0.00	0.63	0.63				0.09	0.72	0.00			
Volume/Cap:	0.51	0.00	0.09				0.00	0.00	0.00				0.00	0.17	0.17				0.17	0.51	0.00			
Delay/Veh:	39.9	0.0	35.8				0.0	0.0	0.0				0.0	7.8	7.8				42.4	6.6	0.0			
User DelAdj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
AdjDel/Veh:	39.9	0.0	35.8				0.0	0.0	0.0				0.0	7.8	7.8				42.4	6.6	0.0			
HCM2kAvg:	5	0	1				0	0	0				0	2	2				1	10	0			

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PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #7 Otay Mesa Rd / Alta Rd

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Volume Module:																				
Base Vol:	0	0	0	0	0	0	0	0	0	407	74	0	0	0	0	0	0	0	0	0
Growth Adj:	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
Initial Bse:	0	0	0	0	0	0	0	0	0	456	83	0	0	0	0	0	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
PHF Volume:	0	0	0	0	0	0	0	0	0	732	133	0	0	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	0	0	0	0	0	0	732	133	0	0	0	0	0	0	0	0	0
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					6.2	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					3.3	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx					0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx				
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx					0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx				
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx					0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx				
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx					0.00	0.00	xxxx	xxxx	xxxx	xxxx	xxxx				
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
LOS by Move:	*	*	*	*	*					A	A	*	*	*	*	*				
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx					xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx				
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx					xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx					xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Shared LOS:	*	*	*	*	*	*					*	*	*	*	*	*				
ApproachDel:	xxxxxx					0.0					xxxxxx					xxxxxx				
ApproachLOS:	*					A					*					*				

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #8 Alta Rd / Paseo De La Puente

Cycle (sec): 100 Critical Vol./Cap. (X): 0.432
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 1.2
Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	1
Volume Module:																
Base Vol:	0	69	1		0	402	0		0	0	0		4	0	1	
Growth Adj:	1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12	
Initial Bse:	0	77	1		0	450	0		0	0	0		4	0	1	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	0.62	0.62	0.62		0.62	0.62	0.62		0.62	0.62	0.62		0.62	0.62	0.62	
PHF Volume:	0	124	2		0	722	0		0	0	0		7	0	2	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	0	124	2		0	722	0		0	0	0		7	0	2	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	0	124	2		0	722	0		0	0	0		7	0	2	
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900	
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		0.95	1.00	0.85	
Lanes:	0.00	0.99	0.01		1.00	1.00	0.00		0.00	0.00	0.00		1.00	0.00	1.00	
Final Sat.:	0	1869	27		1900	1900	0		0	0	0		1805	0	1615	
Capacity Analysis Module:																
Vol/Sat:	0.00	0.07	0.07		0.00	0.38	0.00		0.00	0.00	0.00		0.00	0.00	0.00	
Crit Moves:	****					****								****		
Green/Cycle:	0.00	0.88	0.88		0.00	0.88	0.00		0.00	0.00	0.00		0.00	0.00	0.00	
Volume/Cap:	0.00	0.08	0.08		0.00	0.43	0.00		0.00	0.00	0.00		xxxx	0.00	xxxx	
Delay/Veh:	0.0	0.8	0.8		0.0	1.3	0.0		0.0	0.0	0.0		0.0	0.0	0.0	
User DelAdj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	0.0	0.8	0.8		0.0	1.3	0.0		0.0	0.0	0.0		0.0	0.0	0.0	
HCM2kAvg:	0	1	1		0	5	0		0	0	0		2	0	1	

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Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

****

Intersection #9 Alta Rd / North Access Rd

****

Average Delay (sec/veh): 0.6 Worst Case Level Of Service: C[16.1]

****

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1	0 1		0 0 1	0 0		0 0 0	0 0		1 0 0	0 0	
Volume Module:												
Base Vol:	0	58	11	0	382	0	0	0	0	16	0	0
Growth Adj:	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
Initial Bse:	0	65	12	0	428	0	0	0	0	18	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
PHF Volume:	0	106	20	0	700	0	0	0	0	29	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	106	20	0	700	0	0	0	0	29	0	0
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.4	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	807	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	354	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	354	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	0.08	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.3	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	16.1	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	C	*	*
Movement:	LT - LTR - RT			LT - LTR - RT			LT - LTR - RT			LT - LTR - RT		
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			16.1		
ApproachLOS:	*			*			*			C		

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PIO PICO ENERGY CENTER
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Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 1 SR-905 / La Media Road	C	21.6	0.670	C	21.4	0.737	-0.190 D/V
# 2 SR-125 SB Off Ramp / SR-905	B	18.7	0.432	B	19.4	0.455	+ 0.700 D/V
# 3 SR-125 NB On Ramp / SR-905	A	2.1	0.344	A	2.0	0.346	-0.097 D/V
# 4 SR-905 (NB) / Otay Mesa Rd	C	21.1	0.621	C	22.0	0.723	+ 0.946 D/V
# 5 Otay Mesa Rd / Sanyo Rd	A	3.3	0.399	A	3.2	0.504	-0.085 D/V
# 6 Otay Mesa Rd / Enrico Fermi Dr	B	10.3	0.585	B	15.1	0.822	+ 4.770 D/V
# 7 Otay Mesa Rd / Alta Rd	A	0.0	0.000	A	0.0	0.000	+ 0.000 D/V
# 8 Alta Rd / Paseo De La Puente	A	1.7	0.461	A	6.2	0.740	+ 4.556 D/V
# 9 Alta Rd / North Access Rd	C	17.3	0.000	C	17.3	0.000	+ 0.000 D/V

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2013 AM PEAK HOUR WITH PROJECT
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Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #1 SR-905 / La Media Road

Cycle (sec): 100 Critical Vol./Cap. (X): 0.737
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 21.4
Optimal Cycle: 74 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0 0 1 0			2 0 0 1 0			1 0 3 0 1			1 0 2 1 0		
Volume Module:												
Base Vol:	94	22	34	30	43	43	83	1371	359	98	861	60
Growth Adj:	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
Initial Bse:	105	25	38	34	48	48	93	1536	402	110	964	67
Added Vol:	0	0	0	0	0	0	0	242	0	0	6	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	105	25	38	34	48	48	93	1778	402	110	970	67
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
PHF Volume:	126	30	46	40	58	58	111	2129	482	131	1162	80
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	126	30	46	40	58	58	111	2129	482	131	1162	80
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	126	30	46	40	58	58	111	2129	482	131	1162	80
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.91	0.91	0.92	0.93	0.93	0.95	0.91	0.85	0.95	0.90	0.90
Lanes:	1.00	0.39	0.61	2.00	0.50	0.50	1.00	3.00	1.00	1.00	2.81	0.19
Final Sat.:	1805	679	1049	3502	879	879	1805	5187	1615	1805	4803	333
Capacity Analysis Module:												
Vol/Sat:	0.07	0.04	0.04	0.01	0.07	0.07	0.06	0.41	0.30	0.07	0.24	0.24
Crit Moves:	****				****			****		****		
Green/Cycle:	0.09	0.15	0.15	0.04	0.09	0.09	0.13	0.56	0.56	0.10	0.52	0.52
Volume/Cap:	0.74	0.30	0.30	0.30	0.74	0.74	0.46	0.74	0.54	0.74	0.46	0.46
Delay/Veh:	59.4	38.8	38.8	48.0	61.1	61.1	41.4	17.6	14.6	58.6	15.1	15.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	59.4	38.8	38.8	48.0	61.1	61.1	41.4	17.6	14.6	58.6	15.1	15.1
HCM2kAvg:	6	2	2	1	5	5	4	17	10	6	8	8

2013 AM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #2 SR-125 SB Off Ramp / SR-905

Cycle (sec): 100 Critical Vol./Cap. (X): 0.455
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 19.4
Optimal Cycle: 38 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 0 0			2 0 0 0 1			0 0 3 0 0			0 0 3 0 0		
Volume Module:												
Base Vol:	0	0	0	524	0	171	0	425	0	0	840	0
Growth Adj:	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
Initial Bse:	0	0	0	587	0	192	0	476	0	0	941	0
Added Vol:	0	0	0	61	0	0	0	242	0	0	6	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	648	0	192	0	718	0	0	947	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	0	0	706	0	209	0	782	0	0	1031	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	706	0	209	0	782	0	0	1031	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	706	0	209	0	782	0	0	1031	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	1.00	1.00	0.92	1.00	0.85	1.00	0.91	1.00	1.00	0.91	1.00
Lanes:	0.00	0.00	0.00	2.00	0.00	1.00	0.00	3.00	0.00	0.00	3.00	0.00
Final Sat.:	0	0	0	3502	0	1615	0	5187	0	0	5187	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.20	0.00	0.13	0.00	0.15	0.00	0.00	0.20	0.00
Crit Moves:				****			****				****	
Green/Cycle:	0.00	0.00	0.00	0.44	0.00	0.44	0.00	0.44	0.00	0.00	0.44	0.00
Volume/Cap:	0.00	0.00	0.00	0.45	0.00	0.29	0.00	0.35	0.00	0.00	0.45	0.00
Delay/Veh:	0.0	0.0	0.0	19.6	0.0	18.0	0.0	18.8	0.0	0.0	19.9	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	19.6	0.0	18.0	0.0	18.8	0.0	0.0	19.9	0.0
HCM2kAvg:	0	0	0	8	0	4	0	5	0	0	8	0

2013 AM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #3 SR-125 NB On Ramp / SR-905

Cycle (sec): 100 Critical Vol./Cap. (X): 0.346
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 2.0
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Protected						Protected						Protected						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0				0	0	0				0	0	0				0	0	0			
Lanes:	0	0	0	0	0		0	0	0	0	0		1	0	2	1	1		0	0	2	0	2	
Volume Module:																								
Base Vol:	0	0	0				0	0	0				25	915	0				0	853	70			
Growth Adj:	1.12	1.12	1.12				1.12	1.12	1.12				1.12	1.12	1.12				1.12	1.12	1.12			
Initial Bse:	0	0	0				0	0	0				28	1025	0				0	955	78			
Added Vol:	0	0	0				0	0	0				0	303	0				0	6	1			
PasserByVol:	0	0	0				0	0	0				0	0	0				0	0	0			
Initial Fut:	0	0	0				0	0	0				28	1328	0				0	961	79			
User Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
PHF Adj:	0.93	0.93	0.93				0.93	0.93	0.93				0.93	0.93	0.93				0.93	0.93	0.93			
PHF Volume:	0	0	0				0	0	0				30	1434	0				0	1038	86			
Reduct Vol:	0	0	0				0	0	0				0	0	0				0	0	0			
Reduced Vol:	0	0	0				0	0	0				30	1434	0				0	1038	86			
PCE Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
MLF Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
Final Vol.:	0	0	0				0	0	0				30	1434	0				0	1038	86			
Saturation Flow Module:																								
Sat/Lane:	1900	1900	1900				1900	1900	1900				1900	1900	1900				1900	1900	1900			
Adjustment:	1.00	1.00	1.00				1.00	1.00	1.00				0.95	0.91	0.91				1.00	0.95	0.75			
Lanes:	0.00	0.00	0.00				0.00	0.00	0.00				1.00	3.00	1.00				0.00	2.00	2.00			
Final Sat.:	0	0	0				0	0	0				1805	5187	1729				0	3610	2842			
Capacity Analysis Module:																								
Vol/Sat:	0.00	0.00	0.00				0.00	0.00	0.00				0.02	0.28	0.00				0.00	0.29	0.03			
Crit Moves:													****							****				
Green/Cycle:	0.00	0.00	0.00				0.00	0.00	0.00				0.05	0.88	0.00				0.00	0.83	0.83			
Volume/Cap:	0.00	0.00	0.00				0.00	0.00	0.00				0.35	0.31	0.00				0.00	0.35	0.04			
Delay/Veh:	0.0	0.0	0.0				0.0	0.0	0.0				48.4	1.0	0.0				0.0	2.1	1.5			
User DelAdj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
AdjDel/Veh:	0.0	0.0	0.0				0.0	0.0	0.0				48.4	1.0	0.0				0.0	2.1	1.5			
HCM2kAvg:	0	0	0				0	0	0				1	3	0				0	4	0			

2013 AM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #4 SR-905 (NB) / Otay Mesa Rd

Cycle (sec): 100 Critical Vol./Cap. (X): 0.723
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 22.0
Optimal Cycle: 63 Level Of Service: C

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	2	0	0	0 1	0	0	0	0 0	0	0	2	0 0	0	0	2	0 0
Volume Module:																
Base Vol:	705	0	6		0	0	0		0	912	0		0	216	0	
Growth Adj:	1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12	
Initial Bse:	790	0	7		0	0	0		0	1021	0		0	242	0	
Added Vol:	0	0	0		0	0	0		0	303	0		0	7	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	790	0	7		0	0	0		0	1324	0		0	249	0	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	0.93	0.93	0.93		0.93	0.93	0.93		0.93	0.93	0.93		0.93	0.93	0.93	
PHF Volume:	848	0	7		0	0	0		0	1423	0		0	267	0	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	848	0	7		0	0	0		0	1423	0		0	267	0	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	848	0	7		0	0	0		0	1423	0		0	267	0	
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900	
Adjustment:	0.92	1.00	0.85		1.00	1.00	1.00		1.00	0.95	1.00		1.00	0.95	1.00	
Lanes:	2.00	0.00	1.00		0.00	0.00	0.00		0.00	2.00	0.00		0.00	2.00	0.00	
Final Sat.:	3502	0	1615		0	0	0		0	3610	0		0	3610	0	
Capacity Analysis Module:																
Vol/Sat:	0.24	0.00	0.00		0.00	0.00	0.00		0.00	0.39	0.00		0.00	0.07	0.00	
Crit Moves:	****									****			****			
Green/Cycle:	0.33	0.00	0.33		0.00	0.00	0.00		0.00	0.55	0.00		0.00	0.55	0.00	
Volume/Cap:	0.72	0.00	0.01		0.00	0.00	0.00		0.00	0.72	0.00		0.00	0.14	0.00	
Delay/Veh:	31.4	0.0	22.2		0.0	0.0	0.0		0.0	18.4	0.0		0.0	11.2	0.0	
User DelAdj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	31.4	0.0	22.2		0.0	0.0	0.0		0.0	18.4	0.0		0.0	11.2	0.0	
HCM2kAvg:	13	0	0		0	0	0		0	17	0		0	2	0	

2013 AM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #5 Otay Mesa Rd / Sanyo Rd

Cycle (sec): 100 Critical Vol./Cap. (X): 0.504
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 3.2
Optimal Cycle: 41 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	1	0	1!	0	0	0	0	0	0	0	0	1	1	0	1	0	0
Volume Module:																
Base Vol:	36	0	0		0	0	0		0	582	348		0	174	0	
Growth Adj:	1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12	
Initial Bse:	40	0	0		0	0	0		0	652	390		0	195	0	
Added Vol:	0	0	0		0	0	0		0	303	0		0	7	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	40	0	0		0	0	0		0	955	390		0	202	0	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	0.90	0.90	0.90		0.90	0.90	0.90		0.90	0.90	0.90		0.90	0.90	0.90	
PHF Volume:	45	0	0		0	0	0		0	1059	432		0	224	0	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	45	0	0		0	0	0		0	1059	432		0	224	0	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	45	0	0		0	0	0		0	1059	432		0	224	0	
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900	
Adjustment:	0.95	1.00	1.00		1.00	1.00	1.00		1.00	0.91	0.91		1.00	1.00	1.00	
Lanes:	2.00	0.00	0.00		0.00	0.00	0.00		0.00	1.42	0.58		1.00	1.00	0.00	
Final Sat.:	3618	0	0		0	0	0		0	2453	1001		1900	1900	0	
Capacity Analysis Module:																
Vol/Sat:	0.01	0.00	0.00		0.00	0.00	0.00		0.00	0.43	0.43		0.00	0.12	0.00	
Crit Moves:	****									****			****			
Green/Cycle:	0.02	0.00	0.00		0.00	0.00	0.00		0.00	0.86	0.86		0.00	0.86	0.00	
Volume/Cap:	0.50	0.00	0.00		0.00	0.00	0.00		0.00	0.50	0.50		0.00	0.14	0.00	
Delay/Veh:	52.8	0.0	0.0		0.0	0.0	0.0		0.0	2.0	2.0		0.0	1.2	0.0	
User DelAdj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	52.8	0.0	0.0		0.0	0.0	0.0		0.0	2.0	2.0		0.0	1.2	0.0	
HCM2kAvg:	1	0	0		0	0	0		0	6	6		0	1	0	

2013 AM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #6 Otay Mesa Rd / Enrico Fermi Dr

Cycle (sec): 100 Critical Vol./Cap. (X): 0.822
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 15.1
Optimal Cycle: 82 Level Of Service: B

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	T		R	L	T		R	L	T		R	L	T		R
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0		0	0	0		0	0	0		0	0	0		0
Lanes:	1	0	0	0 1	0	0	0	0 0	0	0	0	1 0	1	0	1	0 0
Volume Module:																
Base Vol:	70	0		17	0	0		0	0	537		44	6	102		0
Growth Adj:	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12		1.12
Initial Bse:	78	0		19	0	0		0	0	601		49	7	114		0
Added Vol:	0	0		0	0	0		0	0	303		0	0	7		0
PasserByVol:	0	0		0	0	0		0	0	0		0	0	0		0
Initial Fut:	78	0		19	0	0		0	0	904		49	7	121		0
User Adj:	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00
PHF Adj:	0.76	0.76		0.76	0.76	0.76		0.76	0.76	0.76		0.76	0.76	0.76		0.76
PHF Volume:	103	0		25	0	0		0	0	1184		65	9	159		0
Reduct Vol:	0	0		0	0	0		0	0	0		0	0	0		0
Reduced Vol:	103	0		25	0	0		0	0	1184		65	9	159		0
PCE Adj:	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00
MLF Adj:	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00
Final Vol.:	103	0		25	0	0		0	0	1184		65	9	159		0
Saturation Flow Module:																
Sat/Lane:	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900		1900
Adjustment:	0.95	1.00		0.85	1.00	1.00		1.00	1.00	0.99		0.99	0.95	1.00		1.00
Lanes:	1.00	0.00		1.00	0.00	0.00		0.00	0.00	0.95		0.05	1.00	1.00		0.00
Final Sat.:	1805	0		1615	0	0		0	0	1789		97	1805	1900		0
Capacity Analysis Module:																
Vol/Sat:	0.06	0.00		0.02	0.00	0.00		0.00	0.00	0.66		0.66	0.00	0.08		0.00
Crit Moves:	****									****			****			
Green/Cycle:	0.07	0.00		0.07	0.00	0.00		0.00	0.00	0.80		0.80	0.01	0.81		0.00
Volume/Cap:	0.82	0.00		0.22	0.00	0.00		0.00	0.00	0.82		0.82	0.82	0.10		0.00
Delay/Veh:	79.5	0.0		45.0	0.0	0.0		0.0	0.0	9.4		9.4	224.3	2.0		0.0
User DelAdj:	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00
AdjDel/Veh:	79.5	0.0		45.0	0.0	0.0		0.0	0.0	9.4		9.4	224.3	2.0		0.0
HCM2kAvg:	5	0		1	0	0		0	0	24		25	1	1		0

2013 AM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

****

Intersection #7 Otay Mesa Rd / Alta Rd

****

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

****

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Volume Module:																				
Base Vol:	0	0	0	0	0	94	523	0	0	0	0	0								
Growth Adj:	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12								
Initial Bse:	0	0	0	0	0	105	586	0	0	0	0	0								
Added Vol:	0	0	0	0	0	7	303	0	0	0	0	0								
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0								
Initial Fut:	0	0	0	0	0	112	889	0	0	0	0	0								
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Adj:	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75								
PHF Volume:	0	0	0	0	0	150	1187	0	0	0	0	0								
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
Final Vol.:	0	0	0	0	0	150	1187	0	0	0	0	0								
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	6.2	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	3.3	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx								
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx								
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx								
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	0.00	0.00	xxxx	xxxx	xxxx	xxxx	xxxx								
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
LOS by Move:	*	*	*	*	*	A	A	*	*	*	*	*								
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx								
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*								
ApproachDel:	xxxxxx					0.0	xxxxxx				xxxxxx									
ApproachLOS:	*					A	*				*									

2013 AM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #8 Alta Rd / Paseo De La Puente

Cycle (sec): 100 Critical Vol./Cap. (X): 0.740
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 6.2
Optimal Cycle: 65 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 0			1 0 1 0 0			0 0 0 0 0			1 0 0 0 1		
Volume Module:												
Base Vol:	0	516	6	2	93	0	0	0	0	2	0	4
Growth Adj:	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
Initial Bse:	0	578	7	2	104	0	0	0	0	2	0	4
Added Vol:	0	0	303	0	0	0	0	0	0	7	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	578	310	2	104	0	0	0	0	9	0	4
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
PHF Volume:	0	757	406	3	137	0	0	0	0	12	0	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	757	406	3	137	0	0	0	0	12	0	6
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	757	406	3	137	0	0	0	0	12	0	6
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	0.95	0.95	0.95	1.00	1.00	1.00	1.00	1.00	0.95	1.00	0.85
Lanes:	0.00	0.65	0.35	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	1179	632	1805	1900	0	0	0	0	1805	0	1615
Capacity Analysis Module:												
Vol/Sat:	0.00	0.64	0.64	0.00	0.07	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Crit Moves:		****		****						****		
Green/Cycle:	0.00	0.87	0.87	0.00	0.87	0.00	0.00	0.00	0.00	0.01	0.00	0.01
Volume/Cap:	0.00	0.74	0.74	0.74	0.08	0.00	0.00	0.00	0.00	0.74	0.00	0.40
Delay/Veh:	0.0	4.3	4.3	296.7	0.9	0.0	0.0	0.0	0.0	149.6	0.0	66.3
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	4.3	4.3	296.7	0.9	0.0	0.0	0.0	0.0	149.6	0.0	66.3
HCM2kAvg:	0	15	15	1	1	0	0	0	0	1	0	1

2013 AM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
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Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

****
Intersection #9 Alta Rd / North Access Rd
****
Average Delay (sec/veh): 0.6 Worst Case Level Of Service: C[17.3]
****

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1!	0	0
Volume Module:																				
Base Vol:	0	509		14		4	82		0		0		0		0	12		0		8
Growth Adj:	1.12	1.12		1.12		1.12	1.12		1.12		1.12		1.12		1.12	1.12		1.12		1.12
Initial Bse:	0	570		16		4	92		0		0		0		0	13		0		9
Added Vol:	0	0		0		0	0		0		0		0		0	0		0		0
PasserByVol:	0	0		0		0	0		0		0		0		0	0		0		0
Initial Fut:	0	570		16		4	92		0		0		0		0	13		0		9
User Adj:	1.00	1.00		1.00		1.00	1.00		1.00		1.00		1.00		1.00	1.00		1.00		1.00
PHF Adj:	0.79	0.79		0.79		0.79	0.79		0.79		0.79		0.79		0.79	0.79		0.79		0.79
PHF Volume:	0	722		20		6	116		0		0		0		0	17		0		11
Reduct Vol:	0	0		0		0	0		0		0		0		0	0		0		0
Final Vol.:	0	722		20		6	116		0		0		0		0	17		0		11
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx		xxxxx		4.1	xxxx		xxxxx		xxxxx		xxxx		xxxxx	6.4		xxxx		6.2
FollowUpTim:	xxxxx	xxxx		xxxxx		2.2	xxxx		xxxxx		xxxxx		xxxx		xxxxx	3.5		xxxx		3.3
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx		xxxxx		787	xxxx		xxxxx		xxxx		xxxx		xxxxx	901		xxxx		766
Potent Cap.:	xxxx	xxxx		xxxxx		792	xxxx		xxxxx		xxxx		xxxx		xxxxx	293		xxxx		382
Move Cap.:	xxxx	xxxx		xxxxx		792	xxxx		xxxxx		xxxx		xxxx		xxxxx	291		xxxx		382
Volume/Cap:	xxxx	xxxx		xxxx		0.01	xxxx		xxxx		xxxx		xxxx		xxxx	0.06		xxxx		0.03
Level Of Service Module:																				
Queue:	xxxxx	xxxx		xxxxx		0.0	xxxx		xxxxx		xxxxx		xxxx		xxxxx	xxxxx		xxxx		xxxxx
Stopped Del:	xxxxx	xxxx		xxxxx		9.6	xxxx		xxxxx		xxxxx		xxxx		xxxxx	xxxxx		xxxx		xxxxx
LOS by Move:	*	*		*		A	*		*		*		*		*	*		*		*
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx		xxxx		xxxx		xxxxx	xxxx		322		xxxxx
SharedQueue:	xxxxx	xxxx		xxxxx		0.0	xxxx		xxxxx		xxxxx		xxxx		xxxxx	xxxxx		0.3		xxxxx
Shrd StpDel:	xxxxx	xxxx		xxxxx		9.6	xxxx		xxxxx		xxxxx		xxxx		xxxxx	xxxxx		17.3		xxxxx
Shared LOS:	*	*		*		A	*		*		*		*		*	*		C		*
ApproachDel:	xxxxxx					xxxxxx					xxxxxx					17.3				
ApproachLOS:	*					*					*					C				

2013 PM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in D/V
# 1 SR-905 / La Media Road	C	30.1	0.820	C	30.9	0.884	+ 0.814
# 2 SR-125 SB Off Ramp / SR-905	A	7.1	0.455	A	6.8	0.513	-0.278
# 3 SR-125 NB On Ramp / SR-905	A	9.5	0.779	B	12.1	0.875	+ 2.569
# 4 SR-905 (NB) / Otay Mesa Rd	C	27.7	0.835	D	38.4	0.957	+10.738
# 5 Otay Mesa Rd / Sanyo Rd	B	16.5	0.634	C	22.5	0.878	+ 6.086
# 6 Otay Mesa Rd / Enrico Fermi Dr	B	12.9	0.512	B	14.5	0.763	+ 1.626
# 7 Otay Mesa Rd / Alta Rd	A	0.0	0.000	A	0.0	0.000	+ 0.000
# 8 Alta Rd / Paseo De La Puente	A	1.2	0.432	C	25.3	0.748	+24.036
# 9 Alta Rd / North Access Rd	C	16.1	0.000	C	16.1	0.000	+ 0.000

2013 PM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #1 SR-905 / La Media Road

Cycle (sec): 100 Critical Vol./Cap. (X): 0.884
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 30.9
Optimal Cycle: 110 Level Of Service: C

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	1	0 0	1	0	2	0 0	1	0	1	0 3	0	1	1	0 2	1	0
Volume Module:																
Base Vol:	231	23	64		54	49	102		57	1442	204		49	1469	36	
Growth Adj:	1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12	
Initial Bse:	259	26	72		60	55	114		64	1615	228		55	1645	40	
Added Vol:	0	0	0		0	0	0		0	0	0		0	247	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	259	26	72		60	55	114		64	1615	228		55	1892	40	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	0.88	0.88	0.88		0.88	0.88	0.88		0.88	0.88	0.88		0.88	0.88	0.88	
PHF Volume:	295	29	82		69	63	130		73	1842	261		63	2158	46	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	295	29	82		69	63	130		73	1842	261		63	2158	46	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	295	29	82		69	63	130		73	1842	261		63	2158	46	
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900	
Adjustment:	0.95	0.89	0.89		0.92	0.90	0.90		0.95	0.91	0.85		0.95	0.91	0.91	
Lanes:	1.00	0.26	0.74		2.00	0.32	0.68		1.00	3.00	1.00		1.00	2.94	0.06	
Final Sat.:	1805	447	1244		3502	554	1154		1805	5187	1615		1805	5064	108	
Capacity Analysis Module:																
Vol/Sat:	0.16	0.07	0.07		0.02	0.11	0.11		0.04	0.36	0.16		0.03	0.43	0.43	
Crit Moves:	****					****			****					****		
Green/Cycle:	0.18	0.24	0.24		0.07	0.13	0.13		0.05	0.48	0.48		0.05	0.48	0.48	
Volume/Cap:	0.88	0.27	0.27		0.27	0.88	0.88		0.88	0.74	0.34		0.74	0.88	0.88	
Delay/Veh:	62.9	31.2	31.2		44.5	74.8	74.8		109.6	22.1	16.3		75.8	27.6	27.6	
User DelAdj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	62.9	31.2	31.2		44.5	74.8	74.8		109.6	22.1	16.3		75.8	27.6	27.6	
HCM2kAvg:	13	3	3		1	9	9		5	16	5		4	24	25	

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Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #2 SR-125 SB Off Ramp / SR-905

Cycle (sec): 100 Critical Vol./Cap. (X): 0.513
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 6.8
Optimal Cycle: 42 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 0 0			2 0 0 0 1			0 0 3 0 0			0 0 3 0 0		
Volume Module:												
Base Vol:	0	0	0	124	0	49	0	240	0	0	1541	0
Growth Adj:	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
Initial Bse:	0	0	0	139	0	55	0	269	0	0	1726	0
Added Vol:	0	0	0	0	0	0	0	0	0	0	247	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	139	0	55	0	269	0	0	1973	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	0	0	0	149	0	59	0	289	0	0	2119	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	149	0	59	0	289	0	0	2119	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	149	0	59	0	289	0	0	2119	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	1.00	1.00	0.92	1.00	0.85	1.00	0.91	1.00	1.00	0.91	1.00
Lanes:	0.00	0.00	0.00	2.00	0.00	1.00	0.00	3.00	0.00	0.00	3.00	0.00
Final Sat.:	0	0	0	3502	0	1615	0	5187	0	0	5187	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.06	0.00	0.00	0.41	0.00
Crit Moves:				****			****				****	
Green/Cycle:	0.00	0.00	0.00	0.08	0.00	0.08	0.00	0.80	0.00	0.00	0.80	0.00
Volume/Cap:	0.00	0.00	0.00	0.51	0.00	0.44	0.00	0.07	0.00	0.00	0.51	0.00
Delay/Veh:	0.0	0.0	0.0	45.5	0.0	45.9	0.0	2.2	0.0	0.0	3.6	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	45.5	0.0	45.9	0.0	2.2	0.0	0.0	3.6	0.0
HCM2kAvg:	0	0	0	3	0	2	0	1	0	0	8	0

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Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #3 SR-125 NB On Ramp / SR-905

Cycle (sec): 100 Critical Vol./Cap. (X): 0.875
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 12.1
Optimal Cycle: 99 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 0 0			0 0 0 0 0			1 0 2 1 1			0 0 2 0 2		
Volume Module:												
Base Vol:	0	0	0	0	0	0	117	241	0	0	1548	322
Growth Adj:	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
Initial Bse:	0	0	0	0	0	0	131	270	0	0	1734	361
Added Vol:	0	0	0	0	0	0	0	0	0	0	247	62
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	0	0	0	131	270	0	0	1981	423
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
PHF Volume:	0	0	0	0	0	0	162	334	0	0	2454	524
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	162	334	0	0	2454	524
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	0	0	0	162	334	0	0	2454	524
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.91	0.91	1.00	0.95	0.75
Lanes:	0.00	0.00	0.00	0.00	0.00	0.00	1.00	3.00	1.00	0.00	2.00	2.00
Final Sat.:	0	0	0	0	0	0	1805	5187	1729	0	3610	2842
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.06	0.00	0.00	0.68	0.18
Crit Moves:							****				****	
Green/Cycle:	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.88	0.00	0.00	0.78	0.78
Volume/Cap:	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.07	0.00	0.00	0.87	0.24
Delay/Veh:	0.0	0.0	0.0	0.0	0.0	0.0	78.1	0.8	0.0	0.0	11.1	3.1
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	0.0	0.0	0.0	78.1	0.8	0.0	0.0	11.1	3.1
HCM2kAvg:	0	0	0	0	0	0	8	0	0	0	29	2

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Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #4 SR-905 (NB) / Otay Mesa Rd

Cycle (sec): 100 Critical Vol./Cap. (X): 0.957
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 38.4
Optimal Cycle: 145 Level Of Service: D

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	2	0 0	0 1		0	0 0	0 0		0	0 2	0 0		0	0 2	0 0	
Volume Module:																
Base Vol:	1007	0	7		0	0	0		0	233	0		0	855	0	
Growth Adj:	1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12	
Initial Bse:	1128	0	8		0	0	0		0	261	0		0	958	0	
Added Vol:	0	0	0		0	0	0		0	0	0		0	309	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	1128	0	8		0	0	0		0	261	0		0	1267	0	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	0.80	0.80	0.80		0.80	0.80	0.80		0.80	0.80	0.80		0.80	0.80	0.80	
PHF Volume:	1412	0	10		0	0	0		0	327	0		0	1585	0	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	1412	0	10		0	0	0		0	327	0		0	1585	0	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	1412	0	10		0	0	0		0	327	0		0	1585	0	
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900	
Adjustment:	0.92	1.00	0.85		1.00	1.00	1.00		1.00	0.95	1.00		1.00	0.95	1.00	
Lanes:	2.00	0.00	1.00		0.00	0.00	0.00		0.00	2.00	0.00		0.00	2.00	0.00	
Final Sat.:	3502	0	1615		0	0	0		0	3610	0		0	3610	0	
Capacity Analysis Module:																
Vol/Sat:	0.40	0.00	0.01		0.00	0.00	0.00		0.00	0.09	0.00		0.00	0.44	0.00	
Crit Moves:	****								****					****		
Green/Cycle:	0.42	0.00	0.42		0.00	0.00	0.00		0.00	0.46	0.00		0.00	0.46	0.00	
Volume/Cap:	0.96	0.00	0.01		0.00	0.00	0.00		0.00	0.20	0.00		0.00	0.96	0.00	
Delay/Veh:	42.5	0.0	16.9		0.0	0.0	0.0		0.0	16.2	0.0		0.0	39.5	0.0	
User DelAdj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	42.5	0.0	16.9		0.0	0.0	0.0		0.0	16.2	0.0		0.0	39.5	0.0	
HCM2kAvg:	28	0	0		0	0	0		0	3	0		0	29	0	

2013 PM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #5 Otay Mesa Rd / Sanyo Rd

Cycle (sec): 100 Critical Vol./Cap. (X): 0.878
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 22.5
Optimal Cycle: 100 Level Of Service: C

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	1	0	1!	0	0	0	0	0	0	0	0	1	1	0	1	0	0
Volume Module:																	
Base Vol:	274	0	4		0	0	0		0	124	109		4	566	0	
Growth Adj:	1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12	
Initial Bse:	307	0	4		0	0	0		0	139	122		4	634	0	
Added Vol:	0	0	0		0	0	0		0	0	0		0	309	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	307	0	4		0	0	0		0	139	122		4	943	0	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	0.76	0.76	0.76		0.76	0.76	0.76		0.76	0.76	0.76		0.76	0.76	0.76	
PHF Volume:	406	0	6		0	0	0		0	184	162		6	1249	0	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	406	0	6		0	0	0		0	184	162		6	1249	0	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	406	0	6		0	0	0		0	184	162		6	1249	0	
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900	
Adjustment:	0.95	1.00	0.95		1.00	1.00	1.00		1.00	0.88	0.88		0.95	1.00	1.00	
Lanes:	1.97	0.00	0.03		0.00	0.00	0.00		0.00	1.06	0.94		1.00	1.00	0.00	
Final Sat.:	3563	0	51		0	0	0		0	1787	1571		1805	1900	0	
Capacity Analysis Module:																
Vol/Sat:	0.11	0.00	0.12		0.00	0.00	0.00		0.00	0.10	0.10		0.00	0.66	0.00	
Crit Moves:			****						****					****		
Green/Cycle:	0.13	0.00	0.13		0.00	0.00	0.00		0.00	0.73	0.73		0.02	0.75	0.00	
Volume/Cap:	0.87	0.00	0.88		0.00	0.00	0.00		0.00	0.14	0.14		0.14	0.88	0.00	
Delay/Veh:	57.8	0.0	59.7		0.0	0.0	0.0		0.0	4.2	4.2		49.4	15.8	0.0	
User DelAdj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	57.8	0.0	59.7		0.0	0.0	0.0		0.0	4.2	4.2		49.4	15.8	0.0	
HCM2kAvg:	9	0	9		0	0	0		0	2	2		0	31	0	

2013 PM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #6 Otay Mesa Rd / Enrico Fermi Dr

Cycle (sec): 100 Critical Vol./Cap. (X): 0.763
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 14.5
Optimal Cycle: 69 Level Of Service: B

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	T		R	L	T		R	L	T		R	L	T		R
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0		0	0	0		0	0	0		0	0	0		0
Lanes:	1	0	0	0 1	0	0	0	0 0	0	0	0	1 0	1	0	1	0 0
Volume Module:																
Base Vol:	98	0		15	0	0		0	0	92		33	18	460		0
Growth Adj:	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12		1.12	1.12	1.12		1.12
Initial Bse:	110	0		17	0	0		0	0	103		37	20	515		0
Added Vol:	0	0		0	0	0		0	0	0		0	0	309		0
PasserByVol:	0	0		0	0	0		0	0	0		0	0	0		0
Initial Fut:	110	0		17	0	0		0	0	103		37	20	824		0
User Adj:	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00
PHF Adj:	0.74	0.74		0.74	0.74	0.74		0.74	0.74	0.74		0.74	0.74	0.74		0.74
PHF Volume:	149	0		23	0	0		0	0	140		50	27	1118		0
Reduct Vol:	0	0		0	0	0		0	0	0		0	0	0		0
Reduced Vol:	149	0		23	0	0		0	0	140		50	27	1118		0
PCE Adj:	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00
MLF Adj:	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00
Final Vol.:	149	0		23	0	0		0	0	140		50	27	1118		0
Saturation Flow Module:																
Sat/Lane:	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900		1900
Adjustment:	0.95	1.00		0.85	1.00	1.00		1.00	1.00	0.96		0.96	0.95	1.00		1.00
Lanes:	1.00	0.00		1.00	0.00	0.00		0.00	0.00	0.74		0.26	1.00	1.00		0.00
Final Sat.:	1805	0		1615	0	0		0	0	1348		484	1805	1900		0
Capacity Analysis Module:																
Vol/Sat:	0.08	0.00		0.01	0.00	0.00		0.00	0.00	0.10		0.10	0.02	0.59		0.00
Crit Moves:	****								****					****		
Green/Cycle:	0.11	0.00		0.11	0.00	0.00		0.00	0.00	0.67		0.67	0.10	0.77		0.00
Volume/Cap:	0.76	0.00		0.13	0.00	0.00		0.00	0.00	0.15		0.15	0.15	0.76		0.00
Delay/Veh:	59.5	0.0		40.7	0.0	0.0		0.0	0.0	6.0		6.0	41.7	8.7		0.0
User DelAdj:	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00
AdjDel/Veh:	59.5	0.0		40.7	0.0	0.0		0.0	0.0	6.0		6.0	41.7	8.7		0.0
HCM2kAvg:	7	0		1	0	0		0	0	2		2	1	20		0

2013 PM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

****

Intersection #7 Otay Mesa Rd / Alta Rd

****

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

****

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Volume Module:																				
Base Vol:	0	0	0	0	0	407	74	0	0	0	0	0								
Growth Adj:	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12								
Initial Bse:	0	0	0	0	0	456	83	0	0	0	0	0								
Added Vol:	0	0	0	0	0	309	0	0	0	0	0	0								
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0								
Initial Fut:	0	0	0	0	0	765	83	0	0	0	0	0								
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Adj:	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62								
PHF Volume:	0	0	0	0	0	1228	133	0	0	0	0	0								
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
Final Vol.:	0	0	0	0	0	1228	133	0	0	0	0	0								
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	6.2	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	3.3	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx								
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx								
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx								
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	0.00	0.00	xxxx	xxxx	xxxx	xxxx	xxxx								
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
LOS by Move:	*	*	*	*	*	A	A	*	*	*	*	*								
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx								
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*								
ApproachDel:	xxxxxx					0.0	xxxxxx				xxxxxx									
ApproachLOS:	*					A	*				*									

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PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #8 Alta Rd / Paseo De La Puente

Cycle (sec): 100 Critical Vol./Cap. (X): 0.748
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 25.3
Optimal Cycle: 67 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 0			1 0 1 0 0			0 0 0 0 0			1 0 0 0 1		
Volume Module:												
Base Vol:	0	69	1	0	402	0	0	0	0	4	0	1
Growth Adj:	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
Initial Bse:	0	77	1	0	450	0	0	0	0	4	0	1
Added Vol:	0	0	0	0	0	0	0	0	0	309	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	77	1	0	450	0	0	0	0	313	0	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
PHF Volume:	0	124	2	0	722	0	0	0	0	502	0	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	124	2	0	722	0	0	0	0	502	0	2
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	124	2	0	722	0	0	0	0	502	0	2
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	0.85
Lanes:	0.00	0.99	0.01	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	1869	27	1900	1900	0	0	0	0	1805	0	1615
Capacity Analysis Module:												
Vol/Sat:	0.00	0.07	0.07	0.00	0.38	0.00	0.00	0.00	0.00	0.28	0.00	0.00
Crit Moves:	****				****					****		
Green/Cycle:	0.00	0.51	0.51	0.00	0.51	0.00	0.00	0.00	0.00	0.37	0.00	0.37
Volume/Cap:	0.00	0.13	0.13	0.00	0.75	0.00	0.00	0.00	0.00	0.75	0.00	0.00
Delay/Veh:	0.0	13.0	13.0	0.0	22.8	0.0	0.0	0.0	0.0	31.9	0.0	19.7
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	13.0	13.0	0.0	22.8	0.0	0.0	0.0	0.0	31.9	0.0	19.7
HCM2kAvg:	0	2	3	0	19	0	0	0	0	15	0	0

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PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

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Intersection #9 Alta Rd / North Access Rd

****

Average Delay (sec/veh): 0.6 Worst Case Level Of Service: C[16.1]

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Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0
Volume Module:																				
Base Vol:	0	58	11			0	382				0	0	0			16	0	0		
Growth Adj:	1.12	1.12	1.12			1.12	1.12				1.12	1.12	1.12			1.12	1.12	1.12		
Initial Bse:	0	65	12			0	428				0	0	0			18	0	0		
Added Vol:	0	0	0			0	0				0	0	0			0	0	0		
PasserByVol:	0	0	0			0	0				0	0	0			0	0	0		
Initial Fut:	0	65	12			0	428				0	0	0			18	0	0		
User Adj:	1.00	1.00	1.00			1.00	1.00				1.00	1.00	1.00			1.00	1.00	1.00		
PHF Adj:	0.61	0.61	0.61			0.61	0.61				0.61	0.61	0.61			0.61	0.61	0.61		
PHF Volume:	0	106	20			0	700				0	0	0			29	0	0		
Reduct Vol:	0	0	0			0	0				0	0	0			0	0	0		
Final Vol.:	0	106	20			0	700				0	0	0			29	0	0		
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx			xxxxx	xxxx				xxxxx	xxxxx	xxxx			6.4	xxxx	xxxxx		
FollowUpTim:	xxxxx	xxxx	xxxxx			xxxxx	xxxx				xxxxx	xxxxx	xxxx			3.5	xxxx	xxxxx		
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx			xxxx	xxxx	xxxxx			xxxx	xxxx	xxxxx			807	xxxx	xxxxx		
Potent Cap.:	xxxx	xxxx	xxxxx			xxxx	xxxx	xxxxx			xxxx	xxxx	xxxxx			354	xxxx	xxxxx		
Move Cap.:	xxxx	xxxx	xxxxx			xxxx	xxxx	xxxxx			xxxx	xxxx	xxxxx			354	xxxx	xxxxx		
Volume/Cap:	xxxx	xxxx	xxxx			xxxx	xxxx	xxxx			xxxx	xxxx	xxxx			0.08	xxxx	xxxx		
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx			xxxxx	xxxx				xxxxx	xxxxx	xxxx			0.3	xxxx	xxxxx		
Stopped Del:	xxxxx	xxxx	xxxxx			xxxxx	xxxx				xxxxx	xxxxx	xxxx			16.1	xxxx	xxxxx		
LOS by Move:	*	*	*			*	*				*	*	*			C	*	*		
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx			xxxx	xxxx	xxxxx			xxxx	xxxx	xxxxx			xxxx	xxxx	xxxxx		
SharedQueue:	xxxxx	xxxx	xxxxx			xxxxx	xxxx				xxxxx	xxxxx	xxxx			xxxxx	xxxx	xxxxx		
Shrd StpDel:	xxxxx	xxxx	xxxxx			xxxxx	xxxx				xxxxx	xxxxx	xxxx			xxxxx	xxxx	xxxxx		
Shared LOS:	*	*	*			*	*				*	*	*			*	*	*		
ApproachDel:	xxxxxx					xxxxxx					xxxxxx					16.1				
ApproachLOS:	*					*					*					C				

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OTAY MESA, CA

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 1 SR-905 / La Media Road	C	22.0	0.694	C	22.0	0.694	+ 0.000 D/V
# 2 SR-125 SB Off Ramp / SR-905	B	18.8	0.447	B	18.8	0.447	+ 0.000 D/V
# 3 SR-125 NB On Ramp / SR-905	A	2.1	0.356	A	2.1	0.356	+ 0.000 D/V
# 4 SR-905 (NB) / Otay Mesa Rd	C	21.5	0.643	C	21.5	0.643	+ 0.000 D/V
# 5 Otay Mesa Rd / Sanyo Rd	A	3.3	0.413	A	3.3	0.413	+ 0.000 D/V
# 6 Otay Mesa Rd / Enrico Fermi Dr	B	10.6	0.606	B	10.6	0.606	+ 0.000 D/V
# 7 Otay Mesa Rd / Alta Rd	A	0.0	0.000	A	0.0	0.000	+ 0.000 D/V
# 8 Alta Rd / Paseo De La Puente	A	1.7	0.477	A	1.7	0.477	+ 0.000 D/V
# 9 Alta Rd / North Access Rd	C	18.0	0.000	C	18.0	0.000	+ 0.000 D/V

2014 AM PEAK HOUR WITHOUT PROJECT
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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #1 SR-905 / La Media Road

Cycle (sec): 100 Critical Vol./Cap. (X): 0.694
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 22.0
Optimal Cycle: 68 Level Of Service: C

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Protected					Protected					Protected					Protected				
Rights:	Include					Include					Include					Include				
Min. Green:	0	0	0			0	0	0			0	0	0			0	0	0		
Lanes:	1	0	0	1	0	2	0	0	1	0	1	0	3	0	1	1	0	2	1	0
Volume Module:																				
Base Vol:	94	22	34			30	43	43			83	1371	359			98	861	60		
Growth Adj:	1.16	1.16	1.16			1.16	1.16	1.16			1.16	1.16	1.16			1.16	1.16	1.16		
Initial Bse:	109	26	39			35	50	50			96	1590	416			114	999	70		
User Adj:	1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00		
PHF Adj:	0.84	0.84	0.84			0.84	0.84	0.84			0.84	0.84	0.84			0.84	0.84	0.84		
PHF Volume:	131	31	47			42	60	60			115	1905	499			136	1196	83		
Reduct Vol:	0	0	0			0	0	0			0	0	0			0	0	0		
Reduced Vol:	131	31	47			42	60	60			115	1905	499			136	1196	83		
PCE Adj:	1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00		
MLF Adj:	1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00		
Final Vol.:	131	31	47			42	60	60			115	1905	499			136	1196	83		
Saturation Flow Module:																				
Sat/Lane:	1900	1900	1900			1900	1900	1900			1900	1900	1900			1900	1900	1900		
Adjustment:	0.95	0.91	0.91			0.92	0.93	0.93			0.95	0.91	0.85			0.95	0.90	0.90		
Lanes:	1.00	0.39	0.61			2.00	0.50	0.50			1.00	3.00	1.00			1.00	2.80	0.20		
Final Sat.:	1805	679	1049			3502	879	879			1805	5187	1615			1805	4801	335		
Capacity Analysis Module:																				
Vol/Sat:	0.07	0.05	0.05			0.01	0.07	0.07			0.06	0.37	0.31			0.08	0.25	0.25		
Crit Moves:	****						****					****				****				
Green/Cycle:	0.10	0.16	0.16			0.04	0.10	0.10			0.13	0.53	0.53			0.11	0.51	0.51		
Volume/Cap:	0.69	0.28	0.28			0.28	0.69	0.69			0.49	0.69	0.58			0.69	0.49	0.49		
Delay/Veh:	53.9	37.5	37.5			47.5	55.3	55.3			42.0	18.3	17.1			53.2	16.3	16.3		
User DelAdj:	1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00		
AdjDel/Veh:	53.9	37.5	37.5			47.5	55.3	55.3			42.0	18.3	17.1			53.2	16.3	16.3		
HCM2kAvg:	6	2	2			1	5	5			4	15	11			6	9	9		

2014 AM PEAK HOUR WITHOUT PROJECT
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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #2 SR-125 SB Off Ramp / SR-905

Cycle (sec): 100 Critical Vol./Cap. (X): 0.447
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 18.8
Optimal Cycle: 38 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 0 0			2 0 0 0 1			0 0 3 0 0			0 0 3 0 0		
Volume Module:												
Base Vol:	0	0	0	524	0	171	0	425	0	0	840	0
Growth Adj:	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Initial Bse:	0	0	0	608	0	198	0	493	0	0	974	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	0	0	662	0	216	0	537	0	0	1061	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	662	0	216	0	537	0	0	1061	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	662	0	216	0	537	0	0	1061	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	1.00	1.00	0.92	1.00	0.85	1.00	0.91	1.00	1.00	0.91	1.00
Lanes:	0.00	0.00	0.00	2.00	0.00	1.00	0.00	3.00	0.00	0.00	3.00	0.00
Final Sat.:	0	0	0	3502	0	1615	0	5187	0	0	5187	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.19	0.00	0.13	0.00	0.10	0.00	0.00	0.20	0.00
Crit Moves:				****			****				****	
Green/Cycle:	0.00	0.00	0.00	0.42	0.00	0.42	0.00	0.46	0.00	0.00	0.46	0.00
Volume/Cap:	0.00	0.00	0.00	0.45	0.00	0.32	0.00	0.23	0.00	0.00	0.45	0.00
Delay/Veh:	0.0	0.0	0.0	20.8	0.0	19.5	0.0	16.5	0.0	0.0	18.6	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	20.8	0.0	19.5	0.0	16.5	0.0	0.0	18.6	0.0
HCM2kAvg:	0	0	0	8	0	4	0	3	0	0	8	0

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #3 SR-125 NB On Ramp / SR-905

Cycle (sec): 100 Critical Vol./Cap. (X): 0.356
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 2.1
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 0 0			0 0 0 0 0			1 0 2 1 1			0 0 2 0 2		
Volume Module:												
Base Vol:	0	0	0	0	0	0	25	915	0	0	853	70
Growth Adj:	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Initial Bse:	0	0	0	0	0	0	29	1061	0	0	989	81
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	0	0	0	0	0	0	31	1146	0	0	1069	88
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	31	1146	0	0	1069	88
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	0	0	0	31	1146	0	0	1069	88
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.91	0.91	1.00	0.95	0.75
Lanes:	0.00	0.00	0.00	0.00	0.00	0.00	1.00	3.00	1.00	0.00	2.00	2.00
Final Sat.:	0	0	0	0	0	0	1805	5187	1729	0	3610	2842
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.22	0.00	0.00	0.30	0.03
Crit Moves:							****				****	
Green/Cycle:	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.88	0.00	0.00	0.83	0.83
Volume/Cap:	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.25	0.00	0.00	0.36	0.04
Delay/Veh:	0.0	0.0	0.0	0.0	0.0	0.0	48.5	1.0	0.0	0.0	2.1	1.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	0.0	0.0	0.0	48.5	1.0	0.0	0.0	2.1	1.5
HCM2kAvg:	0	0	0	0	0	0	1	2	0	0	4	0

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #4 SR-905 (NB) / Otay Mesa Rd

Cycle (sec): 100 Critical Vol./Cap. (X): 0.643
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 21.5
Optimal Cycle: 52 Level Of Service: C

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Protected					Protected					Protected					Protected				
Rights:	Include					Include					Include					Include				
Min. Green:	0	0	0			0	0	0			0	0	0			0	0	0		
Lanes:	2	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0
Volume Module:																				
Base Vol:	705	0	6			0	0	0			0	912	0			0	216	0		
Growth Adj:	1.16	1.16	1.16			1.16	1.16	1.16			1.16	1.16	1.16			1.16	1.16	1.16		
Initial Bse:	818	0	7			0	0	0			0	1058	0			0	251	0		
User Adj:	1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00		
PHF Adj:	0.93	0.93	0.93			0.93	0.93	0.93			0.93	0.93	0.93			0.93	0.93	0.93		
PHF Volume:	878	0	7			0	0	0			0	1136	0			0	269	0		
Reduct Vol:	0	0	0			0	0	0			0	0	0			0	0	0		
Reduced Vol:	878	0	7			0	0	0			0	1136	0			0	269	0		
PCE Adj:	1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00		
MLF Adj:	1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00		
Final Vol.:	878	0	7			0	0	0			0	1136	0			0	269	0		
Saturation Flow Module:																				
Sat/Lane:	1900	1900	1900			1900	1900	1900			1900	1900	1900			1900	1900	1900		
Adjustment:	0.92	1.00	0.85			1.00	1.00	1.00			1.00	0.95	1.00			1.00	0.95	1.00		
Lanes:	2.00	0.00	1.00			0.00	0.00	0.00			0.00	2.00	0.00			0.00	2.00	0.00		
Final Sat.:	3502	0	1615			0	0	0			0	3610	0			0	3610	0		
Capacity Analysis Module:																				
Vol/Sat:	0.25	0.00	0.00			0.00	0.00	0.00			0.00	0.31	0.00			0.00	0.07	0.00		
Crit Moves:	****											****				****				
Green/Cycle:	0.39	0.00	0.39			0.00	0.00	0.00			0.00	0.49	0.00			0.00	0.49	0.00		
Volume/Cap:	0.64	0.00	0.01			0.00	0.00	0.00			0.00	0.64	0.00			0.00	0.15	0.00		
Delay/Veh:	25.9	0.0	18.7			0.0	0.0	0.0			0.0	19.8	0.0			0.0	14.1	0.0		
User DelAdj:	1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00		
AdjDel/Veh:	25.9	0.0	18.7			0.0	0.0	0.0			0.0	19.8	0.0			0.0	14.1	0.0		
HCM2kAvg:	12	0	0			0	0	0			0	13	0			0	2	0		

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #5 Otay Mesa Rd / Sanyo Rd

Cycle (sec): 100 Critical Vol./Cap. (X): 0.413
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 3.3
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	1	0	1!	0	0	0	0	0	0	0	0	1	1	0	1	0	0
Volume Module:																	
Base Vol:	36	0	0		0	0	0		0	582	348		0	174	0	
Growth Adj:	1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16	
Initial Bse:	42	0	0		0	0	0		0	675	404		0	202	0	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	0.90	0.90	0.90		0.90	0.90	0.90		0.90	0.90	0.90		0.90	0.90	0.90	
PHF Volume:	46	0	0		0	0	0		0	748	448		0	224	0	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	46	0	0		0	0	0		0	748	448		0	224	0	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	46	0	0		0	0	0		0	748	448		0	224	0	
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900	
Adjustment:	0.95	1.00	1.00		1.00	1.00	1.00		1.00	0.90	0.90		1.00	1.00	1.00	
Lanes:	2.00	0.00	0.00		0.00	0.00	0.00		0.00	1.25	0.75		1.00	1.00	0.00	
Final Sat.:	3618	0	0		0	0	0		0	2133	1275		1900	1900	0	
Capacity Analysis Module:																
Vol/Sat:	0.01	0.00	0.00		0.00	0.00	0.00		0.00	0.35	0.35		0.00	0.12	0.00	
Crit Moves:	****									****			****			
Green/Cycle:	0.03	0.00	0.00		0.00	0.00	0.00		0.00	0.85	0.85		0.00	0.85	0.00	
Volume/Cap:	0.41	0.00	0.00		0.00	0.00	0.00		0.00	0.41	0.41		0.00	0.14	0.00	
Delay/Veh:	50.0	0.0	0.0		0.0	0.0	0.0		0.0	1.9	1.9		0.0	1.3	0.0	
User DelAdj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	50.0	0.0	0.0		0.0	0.0	0.0		0.0	1.9	1.9		0.0	1.3	0.0	
HCM2kAvg:	1	0	0		0	0	0		0	5	5		0	1	0	

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #6 Otay Mesa Rd / Enrico Fermi Dr

Cycle (sec): 100 Critical Vol./Cap. (X): 0.606
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 10.6
Optimal Cycle: 49 Level Of Service: B

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	1	0 0	0	1	0	0 0	0	0	0	0 0	1	0	1	0 0	1	0
Volume Module:																
Base Vol:	70	0	17		0	0	0		0	537	44		6	102	0	
Growth Adj:	1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16	
Initial Bse:	81	0	20		0	0	0		0	623	51		7	118	0	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	0.76	0.76	0.76		0.76	0.76	0.76		0.76	0.76	0.76		0.76	0.76	0.76	
PHF Volume:	106	0	26		0	0	0		0	815	67		9	155	0	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	106	0	26		0	0	0		0	815	67		9	155	0	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	106	0	26		0	0	0		0	815	67		9	155	0	
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900	
Adjustment:	0.95	1.00	0.85		1.00	1.00	1.00		1.00	0.99	0.99		0.95	1.00	1.00	
Lanes:	1.00	0.00	1.00		0.00	0.00	0.00		0.00	0.92	0.08		1.00	1.00	0.00	
Final Sat.:	1805	0	1615		0	0	0		0	1739	142		1805	1900	0	
Capacity Analysis Module:																
Vol/Sat:	0.06	0.00	0.02		0.00	0.00	0.00		0.00	0.47	0.47		0.01	0.08	0.00	
Crit Moves:	****									****			****			
Green/Cycle:	0.10	0.00	0.10		0.00	0.00	0.00		0.00	0.77	0.77		0.01	0.78	0.00	
Volume/Cap:	0.61	0.00	0.16		0.00	0.00	0.00		0.00	0.61	0.61		0.61	0.10	0.00	
Delay/Veh:	49.2	0.0	41.9		0.0	0.0	0.0		0.0	5.5	5.5		104.1	2.6	0.0	
User DelAdj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	49.2	0.0	41.9		0.0	0.0	0.0		0.0	5.5	5.5		104.1	2.6	0.0	
HCM2kAvg:	4	0	1		0	0	0		0	12	11		1	1	0	

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Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #7 Otay Mesa Rd / Alta Rd

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Volume Module:																				
Base Vol:	0	0	0	0	0	0	0	0	0	94	523	0	0	0	0	0	0	0	0	0
Growth Adj:	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Initial Bse:	0	0	0	0	0	0	0	0	0	109	607	0	0	0	0	0	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
PHF Volume:	0	0	0	0	0	0	0	0	0	146	810	0	0	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	0	0	0	0	0	0	146	810	0	0	0	0	0	0	0	0	0
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					6.2	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					3.3	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx					0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx				
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx					0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx				
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx					0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx				
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx					0.00	0.00	xxxx	xxxx	xxxx	xxxx	xxxx				
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
LOS by Move:	*	*	*	*	*					A	A	*	*	*	*	*				
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx					xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx				
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx					xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx					xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Shared LOS:	*	*	*	*	*	*					*	*	*	*	*	*				
ApproachDel:	xxxxxx					0.0					xxxxxx					xxxxxx				
ApproachLOS:	*					A					*					*				

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #8 Alta Rd / Paseo De La Puente

Cycle (sec): 100 Critical Vol./Cap. (X): 0.477
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 1.7
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 0			1 0 1 0 0			0 0 0 0 0			1 0 0 0 1		
Volume Module:												
Base Vol:	0	516	6	2	93	0	0	0	0	2	0	4
Growth Adj:	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Initial Bse:	0	599	7	2	108	0	0	0	0	2	0	5
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76	0.76
PHF Volume:	0	784	9	3	141	0	0	0	0	3	0	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	784	9	3	141	0	0	0	0	3	0	6
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	784	9	3	141	0	0	0	0	3	0	6
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	1.00	1.00	0.95	1.00	1.00	1.00	1.00	1.00	0.95	1.00	0.85
Lanes:	0.00	0.99	0.01	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	1876	22	1805	1900	0	0	0	0	1805	0	1615
Capacity Analysis Module:												
Vol/Sat:	0.00	0.42	0.42	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crit Moves:		****		****							****	
Green/Cycle:	0.00	0.88	0.88	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Volume/Cap:	0.00	0.48	0.48	0.48	0.08	0.00	0.00	0.00	0.00	xxxx	0.00	xxxx
Delay/Veh:	0.0	1.5	1.5	96.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	1.5	1.5	96.9	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HCM2kAvg:	0	6	6	1	1	0	0	0	0	1	0	2

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Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

****

Intersection #9 Alta Rd / North Access Rd

****

Average Delay (sec/veh): 0.6 Worst Case Level Of Service: C[18.0]

****

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1!	0	0
Volume Module:																				
Base Vol:	0	509		14		4	82		0		0		0		0	12		0		8
Growth Adj:	1.16	1.16		1.16		1.16	1.16		1.16		1.16		1.16		1.16	1.16		1.16		1.16
Initial Bse:	0	590		16		5	95		0		0		0		0	14		0		9
User Adj:	1.00	1.00		1.00		1.00	1.00		1.00		1.00		1.00		1.00	1.00		1.00		1.00
PHF Adj:	0.79	0.79		0.79		0.79	0.79		0.79		0.79		0.79		0.79	0.79		0.79		0.79
PHF Volume:	0	747		21		6	120		0		0		0		0	18		0		12
Reduct Vol:	0	0		0		0	0		0		0		0		0	0		0		0
Final Vol.:	0	747		21		6	120		0		0		0		0	18		0		12
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx		xxxxx		4.1	xxxx		xxxxx		xxxxx		xxxx		xxxxx	6.4		xxxx		6.2
FollowUpTim:	xxxxx	xxxx		xxxxx		2.2	xxxx		xxxxx		xxxxx		xxxx		xxxxx	3.5		xxxx		3.3
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx		xxxxx		818	xxxx		xxxxx		xxxx		xxxx		xxxxx	937		xxxx		796
Potent Cap.:	xxxx	xxxx		xxxxx		769	xxxx		xxxxx		xxxx		xxxx		xxxxx	278		xxxx		366
Move Cap.:	xxxx	xxxx		xxxxx		769	xxxx		xxxxx		xxxx		xxxx		xxxxx	277		xxxx		366
Volume/Cap:	xxxx	xxxx		xxxx		0.01	xxxx		xxxx		xxxx		xxxx		xxxx	0.06		xxxx		0.03
Level Of Service Module:																				
Queue:	xxxxx	xxxx		xxxxx		0.0	xxxx		xxxxx		xxxxx		xxxx		xxxxx	xxxxx		xxxx		xxxxx
Stopped Del:	xxxxx	xxxx		xxxxx		9.7	xxxx		xxxxx		xxxxx		xxxx		xxxxx	xxxxx		xxxx		xxxxx
LOS by Move:	*	*		*		A	*		*		*		*		*	*		*		*
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx		xxxx		xxxx		xxxxx	xxxx		307		xxxxx
SharedQueue:	xxxxx	xxxx		xxxxx		0.0	xxxx		xxxxx		xxxxx		xxxx		xxxxx	xxxxx		0.3		xxxxx
Shrd StpDel:	xxxxx	xxxx		xxxxx		9.7	xxxx		xxxxx		xxxxx		xxxx		xxxxx	xxxxx		18.0		xxxxx
Shared LOS:	*	*		*		A	*		*		*		*		*	*		C		*
ApproachDel:	xxxxxx					xxxxxx					xxxxxx							18.0		
ApproachLOS:	*					*					*							C		

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Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in D/V
# 1 SR-905 / La Media Road	C	31.5	0.849	C	31.5	0.849	+ 0.000
# 2 SR-125 SB Off Ramp / SR-905	A	7.1	0.471	A	7.1	0.471	+ 0.000
# 3 SR-125 NB On Ramp / SR-905	B	10.2	0.806	B	10.2	0.806	+ 0.000
# 4 SR-905 (NB) / Otay Mesa Rd	C	29.3	0.865	C	29.3	0.865	+ 0.000
# 5 Otay Mesa Rd / Sanyo Rd	B	16.8	0.654	B	16.8	0.654	+ 0.000
# 6 Otay Mesa Rd / Enrico Fermi Dr	B	13.1	0.530	B	13.1	0.530	+ 0.000
# 7 Otay Mesa Rd / Alta Rd	A	0.0	0.000	A	0.0	0.000	+ 0.000
# 8 Alta Rd / Paseo De La Puente	A	1.3	0.447	A	1.3	0.447	+ 0.000
# 9 Alta Rd / North Access Rd	C	16.6	0.000	C	16.6	0.000	+ 0.000

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #1 SR-905 / La Media Road

Cycle (sec): 100 Critical Vol./Cap. (X): 0.849
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 31.5
Optimal Cycle: 99 Level Of Service: C

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Protected						Protected						Protected						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0				0	0	0				0	0	0				0	0	0			
Lanes:	1	0	0	1	0		2	0	0	1	0		1	0	3	0	1		1	0	2	1	0	
Volume Module:																								
Base Vol:	231		23		64		54		49		102		57		1442		204		49		1469		36	
Growth Adj:	1.16		1.16		1.16		1.16		1.16		1.16		1.16		1.16		1.16		1.16		1.16		1.16	
Initial Bse:	268		27		74		63		57		118		66		1673		237		57		1704		42	
User Adj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
PHF Adj:	0.88		0.88		0.88		0.88		0.88		0.88		0.88		0.88		0.88		0.88		0.88		0.88	
PHF Volume:	306		30		85		71		65		135		75		1907		270		65		1943		48	
Reduct Vol:	0		0		0		0		0		0		0		0		0		0		0		0	
Reduced Vol:	306		30		85		71		65		135		75		1907		270		65		1943		48	
PCE Adj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
MLF Adj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Final Vol.:	306		30		85		71		65		135		75		1907		270		65		1943		48	
Saturation Flow Module:																								
Sat/Lane:	1900		1900		1900		1900		1900		1900		1900		1900		1900		1900		1900		1900	
Adjustment:	0.95		0.89		0.89		0.92		0.90		0.90		0.95		0.91		0.85		0.95		0.91		0.91	
Lanes:	1.00		0.26		0.74		2.00		0.32		0.68		1.00		3.00		1.00		1.00		2.93		0.07	
Final Sat.:	1805		447		1244		3502		554		1154		1805		5187		1615		1805		5043		124	
Capacity Analysis Module:																								
Vol/Sat:	0.17		0.07		0.07		0.02		0.12		0.12		0.04		0.37		0.17		0.04		0.39		0.39	
Crit Moves:	****								****				****								****			
Green/Cycle:	0.20		0.26		0.26		0.08		0.14		0.14		0.05		0.46		0.46		0.04		0.45		0.45	
Volume/Cap:	0.85		0.26		0.26		0.26		0.85		0.85		0.85		0.80		0.36		0.80		0.85		0.85	
Delay/Veh:	55.7		29.8		29.8		43.9		66.2		66.2		97.1		25.3		17.9		89.4		27.4		27.4	
User DelAdj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
AdjDel/Veh:	55.7		29.8		29.8		43.9		66.2		66.2		97.1		25.3		17.9		89.4		27.4		27.4	
HCM2kAvg:	12		3		3		1		9		9		5		19		5		4		21		21	

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #2 SR-125 SB Off Ramp / SR-905

Cycle (sec): 100 Critical Vol./Cap. (X): 0.471
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 7.1
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Protected						Protected						Protected						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0			0	0	0			0	0	0	0			0	0	0	0			0	0
Lanes:	0	0	0	0	0		2	0	0	0	1		0	0	3	0	0		0	0	3	0	0	
Volume Module:																								
Base Vol:	0	0	0			124	0				49	0	240			0	0	1541	0					
Growth Adj:	1.16	1.16	1.16			1.16	1.16				1.16	1.16	1.16			1.16	1.16	1.16	1.16					
Initial Bse:	0	0	0			144	0				57	0	278			0	0	1788	0					
User Adj:	1.00	1.00	1.00			1.00	1.00				1.00	1.00	1.00			1.00	1.00	1.00	1.00					
PHF Adj:	0.93	0.93	0.93			0.93	0.93				0.93	0.93	0.93			0.93	0.93	0.93	0.93					
PHF Volume:	0	0	0			155	0				61	0	299			0	0	1920	0					
Reduct Vol:	0	0	0			0	0				0	0	0			0	0	0	0					
Reduced Vol:	0	0	0			155	0				61	0	299			0	0	1920	0					
PCE Adj:	1.00	1.00	1.00			1.00	1.00				1.00	1.00	1.00			1.00	1.00	1.00	1.00					
MLF Adj:	1.00	1.00	1.00			1.00	1.00				1.00	1.00	1.00			1.00	1.00	1.00	1.00					
Final Vol.:	0	0	0			155	0				61	0	299			0	0	1920	0					
Saturation Flow Module:																								
Sat/Lane:	1900	1900	1900			1900	1900				1900	1900	1900			1900	1900	1900	1900					
Adjustment:	1.00	1.00	1.00			0.92	1.00				0.85	1.00	0.91			1.00	1.00	0.91	1.00					
Lanes:	0.00	0.00	0.00			2.00	0.00				1.00	0.00	3.00			0.00	0.00	3.00	0.00					
Final Sat.:	0	0	0			3502	0				1615	0	5187			0	0	5187	0					
Capacity Analysis Module:																								
Vol/Sat:	0.00	0.00	0.00			0.04	0.00				0.04	0.00	0.06			0.00	0.00	0.37	0.00					
Crit Moves:						****						****						****						
Green/Cycle:	0.00	0.00	0.00			0.09	0.00				0.09	0.00	0.79			0.00	0.00	0.79	0.00					
Volume/Cap:	0.00	0.00	0.00			0.47	0.00				0.40	0.00	0.07			0.00	0.00	0.47	0.00					
Delay/Veh:	0.0	0.0	0.0			44.0	0.0				44.4	0.0	2.4			0.0	0.0	3.7	0.0					
User DelAdj:	1.00	1.00	1.00			1.00	1.00				1.00	1.00	1.00			1.00	1.00	1.00	1.00					
AdjDel/Veh:	0.0	0.0	0.0			44.0	0.0				44.4	0.0	2.4			0.0	0.0	3.7	0.0					
HCM2kAvg:	0	0	0			3	0				2	0	1			0	0	7	0					

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #3 SR-125 NB On Ramp / SR-905

Cycle (sec): 100 Critical Vol./Cap. (X): 0.806
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 10.2
Optimal Cycle: 78 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 0 0			0 0 0 0 0			1 0 2 1 1			0 0 2 0 2		
Volume Module:												
Base Vol:	0	0	0	0	0	0	117	241	0	0	1548	322
Growth Adj:	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Initial Bse:	0	0	0	0	0	0	136	280	0	0	1796	374
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
PHF Volume:	0	0	0	0	0	0	168	346	0	0	2225	463
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	168	346	0	0	2225	463
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	0	0	0	168	346	0	0	2225	463
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.91	0.91	1.00	0.95	0.75
Lanes:	0.00	0.00	0.00	0.00	0.00	0.00	1.00	3.00	1.00	0.00	2.00	2.00
Final Sat.:	0	0	0	0	0	0	1805	5187	1729	0	3610	2842
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.07	0.00	0.00	0.62	0.16
Crit Moves:							****				****	
Green/Cycle:	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.88	0.00	0.00	0.76	0.76
Volume/Cap:	0.00	0.00	0.00	0.00	0.00	0.00	0.81	0.08	0.00	0.00	0.81	0.21
Delay/Veh:	0.0	0.0	0.0	0.0	0.0	0.0	63.3	0.8	0.0	0.0	9.1	3.4
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	0.0	0.0	0.0	63.3	0.8	0.0	0.0	9.1	3.4
HCM2kAvg:	0	0	0	0	0	0	8	0	0	0	23	2

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #4 SR-905 (NB) / Otay Mesa Rd

Cycle (sec): 100 Critical Vol./Cap. (X): 0.865
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 29.3
Optimal Cycle: 96 Level Of Service: C

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Protected						Protected						Protected						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0				0	0	0				0	0	0				0	0	0			
Lanes:	2	0	0	0	1		0	0	0	0	0		0	0	2	0	0		0	0	2	0	0	
Volume Module:																								
Base Vol:	1007	0	7				0	0	0				0	233	0				0	855	0			
Growth Adj:	1.16	1.16	1.16				1.16	1.16	1.16				1.16	1.16	1.16				1.16	1.16	1.16			
Initial Bse:	1168	0	8				0	0	0				0	270	0				0	992	0			
User Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
PHF Adj:	0.80	0.80	0.80				0.80	0.80	0.80				0.80	0.80	0.80				0.80	0.80	0.80			
PHF Volume:	1462	0	10				0	0	0				0	338	0				0	1241	0			
Reduct Vol:	0	0	0				0	0	0				0	0	0				0	0	0			
Reduced Vol:	1462	0	10				0	0	0				0	338	0				0	1241	0			
PCE Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
MLF Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
Final Vol.:	1462	0	10				0	0	0				0	338	0				0	1241	0			
Saturation Flow Module:																								
Sat/Lane:	1900	1900	1900				1900	1900	1900				1900	1900	1900				1900	1900	1900			
Adjustment:	0.92	1.00	0.85				1.00	1.00	1.00				1.00	0.95	1.00				1.00	0.95	1.00			
Lanes:	2.00	0.00	1.00				0.00	0.00	0.00				0.00	2.00	0.00				0.00	2.00	0.00			
Final Sat.:	3502	0	1615				0	0	0				0	3610	0				0	3610	0			
Capacity Analysis Module:																								
Vol/Sat:	0.42	0.00	0.01				0.00	0.00	0.00				0.00	0.09	0.00				0.00	0.34	0.00			
Crit Moves:	****												****							****				
Green/Cycle:	0.48	0.00	0.48				0.00	0.00	0.00				0.00	0.40	0.00				0.00	0.40	0.00			
Volume/Cap:	0.87	0.00	0.01				0.00	0.00	0.00				0.00	0.24	0.00				0.00	0.87	0.00			
Delay/Veh:	27.9	0.0	13.5				0.0	0.0	0.0				0.0	20.1	0.0				0.0	33.4	0.0			
User DelAdj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
AdjDel/Veh:	27.9	0.0	13.5				0.0	0.0	0.0				0.0	20.1	0.0				0.0	33.4	0.0			
HCM2kAvg:	24	0	0				0	0	0				0	3	0				0	20	0			

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #5 Otay Mesa Rd / Sanyo Rd

Cycle (sec): 100 Critical Vol./Cap. (X): 0.654
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 16.8
Optimal Cycle: 54 Level Of Service: B

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	1	0	1!	0	0	0	0	0	0	0	0	1	1	0	1	0	0
Volume Module:																	
Base Vol:	274	0	4		0	0	0		0	124	109		4	566	0	
Growth Adj:	1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16	
Initial Bse:	318	0	5		0	0	0		0	144	126		5	657	0	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	0.76	0.76	0.76		0.76	0.76	0.76		0.76	0.76	0.76		0.76	0.76	0.76	
PHF Volume:	421	0	6		0	0	0		0	191	167		6	870	0	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	421	0	6		0	0	0		0	191	167		6	870	0	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	421	0	6		0	0	0		0	191	167		6	870	0	
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900	
Adjustment:	0.95	1.00	0.95		1.00	1.00	1.00		1.00	0.88	0.88		0.95	1.00	1.00	
Lanes:	1.97	0.00	0.03		0.00	0.00	0.00		0.00	1.06	0.94		1.00	1.00	0.00	
Final Sat.:	3563	0	51		0	0	0		0	1787	1571		1805	1900	0	
Capacity Analysis Module:																
Vol/Sat:	0.12	0.00	0.12		0.00	0.00	0.00		0.00	0.11	0.11		0.00	0.46	0.00	
Crit Moves:	****								****					****		
Green/Cycle:	0.18	0.00	0.18		0.00	0.00	0.00		0.00	0.68	0.68		0.02	0.70	0.00	
Volume/Cap:	0.65	0.00	0.66		0.00	0.00	0.00		0.00	0.16	0.16		0.16	0.65	0.00	
Delay/Veh:	40.5	0.0	40.8		0.0	0.0	0.0		0.0	5.8	5.8		49.9	9.5	0.0	
User DelAdj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	40.5	0.0	40.8		0.0	0.0	0.0		0.0	5.8	5.8		49.9	9.5	0.0	
HCM2kAvg:	7	0	7		0	0	0		0	2	2		0	15	0	

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #6 Otay Mesa Rd / Enrico Fermi Dr

Cycle (sec): 100 Critical Vol./Cap. (X): 0.530
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 13.1
Optimal Cycle: 43 Level Of Service: B

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	T		R	L	T		R	L	T		R	L	T		R
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0		0	0	0		0	0	0		0	0	0		0
Lanes:	1	0	0	0 1	0	0	0	0 0	0	0	0	1 0	1	0	1	0 0
Volume Module:																
Base Vol:	98	0		15	0	0		0	0	92		33	18	460		0
Growth Adj:	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16		1.16
Initial Bse:	114	0		17	0	0		0	0	107		38	21	534		0
User Adj:	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00
PHF Adj:	0.74	0.74		0.74	0.74	0.74		0.74	0.74	0.74		0.74	0.74	0.74		0.74
PHF Volume:	154	0		24	0	0		0	0	145		52	28	724		0
Reduct Vol:	0	0		0	0	0		0	0	0		0	0	0		0
Reduced Vol:	154	0		24	0	0		0	0	145		52	28	724		0
PCE Adj:	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00
MLF Adj:	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00
Final Vol.:	154	0		24	0	0		0	0	145		52	28	724		0
Saturation Flow Module:																
Sat/Lane:	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900		1900
Adjustment:	0.95	1.00		0.85	1.00	1.00		1.00	1.00	0.96		0.96	0.95	1.00		1.00
Lanes:	1.00	0.00		1.00	0.00	0.00		0.00	0.00	0.74		0.26	1.00	1.00		0.00
Final Sat.:	1805	0		1615	0	0		0	0	1348		484	1805	1900		0
Capacity Analysis Module:																
Vol/Sat:	0.09	0.00		0.01	0.00	0.00		0.00	0.00	0.11		0.11	0.02	0.38		0.00
Crit Moves:	****								****					****		
Green/Cycle:	0.16	0.00		0.16	0.00	0.00		0.00	0.00	0.63		0.63	0.09	0.72		0.00
Volume/Cap:	0.53	0.00		0.09	0.00	0.00		0.00	0.00	0.17		0.17	0.17	0.53		0.00
Delay/Veh:	40.3	0.0		35.9	0.0	0.0		0.0	0.0	7.9		7.9	42.4	6.8		0.0
User DelAdj:	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00
AdjDel/Veh:	40.3	0.0		35.9	0.0	0.0		0.0	0.0	7.9		7.9	42.4	6.8		0.0
HCM2kAvg:	5	0		1	0	0		0	0	2		3	1	10		0

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Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

Intersection #7 Otay Mesa Rd / Alta Rd

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Volume Module:																				
Base Vol:	0	0	0	0	0	0	0	0	0	407	74	0	0	0	0	0	0	0	0	0
Growth Adj:	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Initial Bse:	0	0	0	0	0	0	0	0	0	472	86	0	0	0	0	0	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
PHF Volume:	0	0	0	0	0	0	0	0	0	758	138	0	0	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	0	0	0	0	0	0	758	138	0	0	0	0	0	0	0	0	0
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					6.2	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					3.3	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx					0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx				
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx					0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx				
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx					0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx				
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx					0.00	0.00	xxxx	xxxx	xxxx	xxxx	xxxx				
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
LOS by Move:	*	*	*	*	*					A	A	*	*	*	*	*				
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx					xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx				
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx					xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx					xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Shared LOS:	*	*	*	*	*	*					*	*	*	*	*	*				
ApproachDel:	xxxxxx					0.0					xxxxxx					xxxxxx				
ApproachLOS:	*					A					*					*				

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Level Of Service Computation Report
2000 HCM Operations Method (Base Volume Alternative)

Intersection #8 Alta Rd / Paseo De La Puente

Cycle (sec): 100 Critical Vol./Cap. (X): 0.447
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 1.3
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1
Volume Module:																
Base Vol:	0	69	1		0	402	0		0	0	0		4	0	1	
Growth Adj:	1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16	
Initial Bse:	0	80	1		0	466	0		0	0	0		5	0	1	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	0.62	0.62	0.62		0.62	0.62	0.62		0.62	0.62	0.62		0.62	0.62	0.62	
PHF Volume:	0	128	2		0	747	0		0	0	0		7	0	2	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	0	128	2		0	747	0		0	0	0		7	0	2	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	0	128	2		0	747	0		0	0	0		7	0	2	
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900	
Adjustment:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		0.95	1.00	0.85	
Lanes:	0.00	0.99	0.01		1.00	1.00	0.00		0.00	0.00	0.00		1.00	0.00	1.00	
Final Sat.:	0	1869	27		1900	1900	0		0	0	0		1805	0	1615	
Capacity Analysis Module:																
Vol/Sat:	0.00	0.07	0.07		0.00	0.39	0.00		0.00	0.00	0.00		0.00	0.00	0.00	
Crit Moves:	****					****								****		
Green/Cycle:	0.00	0.88	0.88		0.00	0.88	0.00		0.00	0.00	0.00		0.00	0.00	0.00	
Volume/Cap:	0.00	0.08	0.08		0.00	0.45	0.00		0.00	0.00	0.00		xxxx	0.00	xxxx	
Delay/Veh:	0.0	0.8	0.8		0.0	1.4	0.0		0.0	0.0	0.0		0.0	0.0	0.0	
User DelAdj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	0.0	0.8	0.8		0.0	1.4	0.0		0.0	0.0	0.0		0.0	0.0	0.0	
HCM2kAvg:	0	1	1		0	5	0		0	0	0		2	0	1	

2014 PM PEAK HOUR WITHOUT PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Unsignalized Method (Base Volume Alternative)

****
Intersection #9 Alta Rd / North Access Rd
****
Average Delay (sec/veh): 0.6 Worst Case Level Of Service: C[16.6]
****

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	0 0 1	0 1		0 0 1	0 0		0 0 0	0 0		1 0 0	0 0	
Volume Module:												
Base Vol:	0	58	11	0	382	0	0	0	0	16	0	0
Growth Adj:	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Initial Bse:	0	67	13	0	443	0	0	0	0	19	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61
PHF Volume:	0	110	21	0	725	0	0	0	0	30	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	110	21	0	725	0	0	0	0	30	0	0
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	6.4	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	3.5	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	835	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	340	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	340	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	0.09	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.3	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	16.6	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	C	*	*
Movement:	LT - LTR - RT			LT - LTR - RT			LT - LTR - RT			LT - LTR - RT		
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			xxxxxx			xxxxxx			16.6		
ApproachLOS:	*			*			*			C		

2014 AM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Trip Generation Report

Forecast for Year 2014 AM Peak

Zone #	Subzone	Amount	Units	Rate In	Rate Out	Trips In	Trips Out	Total Trips	% Of Total
1	Pio Pico Ene	24.00	Pio Pico - Ope	0.50	0.00	12	0	12	100.0
1	Pio Pico Ene	658.00	Pio Pico - Con	0.00	0.00	0	0	0	0.0
	Zone 1 Subtotal					12	0	12	100.0
TOTAL						12	0	12	100.0

2014 AM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 1 SR-905 / La Media Road	C	22.0	0.694	C	22.0	0.697	-0.013 D/V
# 2 SR-125 SB Off Ramp / SR-905	B	18.8	0.447	B	18.8	0.448	+ 0.017 D/V
# 3 SR-125 NB On Ramp / SR-905	A	2.1	0.356	A	2.1	0.356	-0.005 D/V
# 4 SR-905 (NB) / Otay Mesa Rd	C	21.5	0.643	C	21.5	0.647	+ 0.037 D/V
# 5 Otay Mesa Rd / Sanyo Rd	A	3.3	0.413	A	3.3	0.417	-0.007 D/V
# 6 Otay Mesa Rd / Enrico Fermi Dr	B	10.6	0.606	B	10.7	0.615	+ 0.073 D/V
# 7 Otay Mesa Rd / Alta Rd	A	0.0	0.000	A	0.0	0.000	+ 0.000 D/V
# 8 Alta Rd / Paseo De La Puente	A	1.7	0.477	A	1.7	0.488	+ 0.031 D/V
# 9 Alta Rd / North Access Rd	C	18.0	0.000	C	18.0	0.000	+ 0.000 D/V

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2014 AM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #1 SR-905 / La Media Road

Cycle (sec): 100 Critical Vol./Cap. (X): 0.697
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 22.0
Optimal Cycle: 68 Level Of Service: C

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Protected						Protected						Protected						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0				0	0	0				0	0	0				0	0	0			
Lanes:	1	0	0	1	0		2	0	0	1	0		1	0	3	0	1		1	0	2	1	0	
Volume Module:																								
Base Vol:	94		22		34		30		43		43		83		1371		359		98		861		60	
Growth Adj:	1.16		1.16		1.16		1.16		1.16		1.16		1.16		1.16		1.16		1.16		1.16		1.16	
Initial Bse:	109		26		39		35		50		50		96		1590		416		114		999		70	
Added Vol:	0		0		0		0		0		0		0		10		0		0		0		0	
PasserByVol:	0		0		0		0		0		0		0		0		0		0		0		0	
Initial Fut:	109		26		39		35		50		50		96		1600		416		114		999		70	
User Adj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
PHF Adj:	0.84		0.84		0.84		0.84		0.84		0.84		0.84		0.84		0.84		0.84		0.84		0.84	
PHF Volume:	131		31		47		42		60		60		115		1917		499		136		1196		83	
Reduct Vol:	0		0		0		0		0		0		0		0		0		0		0		0	
Reduced Vol:	131		31		47		42		60		60		115		1917		499		136		1196		83	
PCE Adj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
MLF Adj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Final Vol.:	131		31		47		42		60		60		115		1917		499		136		1196		83	
Saturation Flow Module:																								
Sat/Lane:	1900		1900		1900		1900		1900		1900		1900		1900		1900		1900		1900		1900	
Adjustment:	0.95		0.91		0.91		0.92		0.93		0.93		0.95		0.91		0.85		0.95		0.90		0.90	
Lanes:	1.00		0.39		0.61		2.00		0.50		0.50		1.00		3.00		1.00		1.00		2.80		0.20	
Final Sat.:	1805		679		1049		3502		879		879		1805		5187		1615		1805		4801		335	
Capacity Analysis Module:																								
Vol/Sat:	0.07		0.05		0.05		0.01		0.07		0.07		0.06		0.37		0.31		0.08		0.25		0.25	
Crit Moves:	****								****						****				****					
Green/Cycle:	0.10		0.16		0.16		0.04		0.10		0.10		0.13		0.53		0.53		0.11		0.51		0.51	
Volume/Cap:	0.70		0.28		0.28		0.28		0.70		0.70		0.49		0.70		0.58		0.70		0.49		0.49	
Delay/Veh:	54.2		37.6		37.6		47.5		55.6		55.6		42.0		18.3		17.0		53.5		16.2		16.2	
User DelAdj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
AdjDel/Veh:	54.2		37.6		37.6		47.5		55.6		55.6		42.0		18.3		17.0		53.5		16.2		16.2	
HCM2kAvg:	6		2		2		1		5		5		4		15		11		6		9		9	

2014 AM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #2 SR-125 SB Off Ramp / SR-905

Cycle (sec): 100 Critical Vol./Cap. (X): 0.448
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 18.8
Optimal Cycle: 38 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 0 0			2 0 0 0 1			0 0 3 0 0			0 0 3 0 0		
Volume Module:												
Base Vol:	0	0	0	524	0	171	0	425	0	0	840	0
Growth Adj:	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Initial Bse:	0	0	0	608	0	198	0	493	0	0	974	0
Added Vol:	0	0	0	2	0	0	0	10	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	610	0	198	0	503	0	0	974	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	0	0	664	0	216	0	548	0	0	1061	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	664	0	216	0	548	0	0	1061	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	664	0	216	0	548	0	0	1061	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	1.00	1.00	0.92	1.00	0.85	1.00	0.91	1.00	1.00	0.91	1.00
Lanes:	0.00	0.00	0.00	2.00	0.00	1.00	0.00	3.00	0.00	0.00	3.00	0.00
Final Sat.:	0	0	0	3502	0	1615	0	5187	0	0	5187	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.19	0.00	0.13	0.00	0.11	0.00	0.00	0.20	0.00
Crit Moves:				****			****				****	
Green/Cycle:	0.00	0.00	0.00	0.42	0.00	0.42	0.00	0.46	0.00	0.00	0.46	0.00
Volume/Cap:	0.00	0.00	0.00	0.45	0.00	0.32	0.00	0.23	0.00	0.00	0.45	0.00
Delay/Veh:	0.0	0.0	0.0	20.7	0.0	19.5	0.0	16.6	0.0	0.0	18.7	0.0
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	20.7	0.0	19.5	0.0	16.6	0.0	0.0	18.7	0.0
HCM2kAvg:	0	0	0	8	0	4	0	3	0	0	8	0

2014 AM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #3 SR-125 NB On Ramp / SR-905

Cycle (sec): 100 Critical Vol./Cap. (X): 0.356
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 2.1
Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 0 0			0 0 0 0 0			1 0 2 1 1			0 0 2 0 2		
Volume Module:												
Base Vol:	0	0	0	0	0	0	25	915	0	0	853	70
Growth Adj:	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Initial Bse:	0	0	0	0	0	0	29	1061	0	0	989	81
Added Vol:	0	0	0	0	0	0	0	12	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	0	0	0	29	1073	0	0	989	81
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	0	0	0	0	0	0	31	1159	0	0	1069	88
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	0	0	0	31	1159	0	0	1069	88
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	0	0	0	31	1159	0	0	1069	88
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	0.95	0.91	0.91	1.00	0.95	0.75
Lanes:	0.00	0.00	0.00	0.00	0.00	0.00	1.00	3.00	1.00	0.00	2.00	2.00
Final Sat.:	0	0	0	0	0	0	1805	5187	1729	0	3610	2842
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.22	0.00	0.00	0.30	0.03
Crit Moves:							****				****	
Green/Cycle:	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.88	0.00	0.00	0.83	0.83
Volume/Cap:	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.25	0.00	0.00	0.36	0.04
Delay/Veh:	0.0	0.0	0.0	0.0	0.0	0.0	48.5	1.0	0.0	0.0	2.1	1.5
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	0.0	0.0	0.0	0.0	0.0	48.5	1.0	0.0	0.0	2.1	1.5
HCM2kAvg:	0	0	0	0	0	0	1	2	0	0	4	0

2014 AM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #4 SR-905 (NB) / Otay Mesa Rd

Cycle (sec): 100 Critical Vol./Cap. (X): 0.647
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 21.5
Optimal Cycle: 53 Level Of Service: C

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	2	0	0	0 1	0	0	0	0 0	0	0	2	0 0	0	0	2	0 0
Volume Module:																
Base Vol:	705	0	6		0	0	0		0	912	0		0	216	0	
Growth Adj:	1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16	
Initial Bse:	818	0	7		0	0	0		0	1058	0		0	251	0	
Added Vol:	0	0	0		0	0	0		0	12	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	818	0	7		0	0	0		0	1070	0		0	251	0	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	0.93	0.93	0.93		0.93	0.93	0.93		0.93	0.93	0.93		0.93	0.93	0.93	
PHF Volume:	878	0	7		0	0	0		0	1149	0		0	269	0	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	878	0	7		0	0	0		0	1149	0		0	269	0	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	878	0	7		0	0	0		0	1149	0		0	269	0	
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900	
Adjustment:	0.92	1.00	0.85		1.00	1.00	1.00		1.00	0.95	1.00		1.00	0.95	1.00	
Lanes:	2.00	0.00	1.00		0.00	0.00	0.00		0.00	2.00	0.00		0.00	2.00	0.00	
Final Sat.:	3502	0	1615		0	0	0		0	3610	0		0	3610	0	
Capacity Analysis Module:																
Vol/Sat:	0.25	0.00	0.00		0.00	0.00	0.00		0.00	0.32	0.00		0.00	0.07	0.00	
Crit Moves:	****									****			****			
Green/Cycle:	0.39	0.00	0.39		0.00	0.00	0.00		0.00	0.49	0.00		0.00	0.49	0.00	
Volume/Cap:	0.65	0.00	0.01		0.00	0.00	0.00		0.00	0.65	0.00		0.00	0.15	0.00	
Delay/Veh:	26.1	0.0	18.8		0.0	0.0	0.0		0.0	19.8	0.0		0.0	14.0	0.0	
User DelAdj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	26.1	0.0	18.8		0.0	0.0	0.0		0.0	19.8	0.0		0.0	14.0	0.0	
HCM2kAvg:	12	0	0		0	0	0		0	14	0		0	2	0	

2014 AM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #5 Otay Mesa Rd / Sanyo Rd

Cycle (sec): 100 Critical Vol./Cap. (X): 0.417
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 3.3
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	1	0	1!	0	0	0	0	0	0	0	0	1	1	0	1	0
Volume Module:																
Base Vol:	36	0	0		0	0	0		0	582	348		0	174	0	
Growth Adj:	1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16	
Initial Bse:	42	0	0		0	0	0		0	675	404		0	202	0	
Added Vol:	0	0	0		0	0	0		0	12	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	42	0	0		0	0	0		0	687	404		0	202	0	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	0.90	0.90	0.90		0.90	0.90	0.90		0.90	0.90	0.90		0.90	0.90	0.90	
PHF Volume:	46	0	0		0	0	0		0	762	448		0	224	0	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	46	0	0		0	0	0		0	762	448		0	224	0	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	46	0	0		0	0	0		0	762	448		0	224	0	
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900	
Adjustment:	0.95	1.00	1.00		1.00	1.00	1.00		1.00	0.90	0.90		1.00	1.00	1.00	
Lanes:	2.00	0.00	0.00		0.00	0.00	0.00		0.00	1.26	0.74		1.00	1.00	0.00	
Final Sat.:	3618	0	0		0	0	0		0	2149	1262		1900	1900	0	
Capacity Analysis Module:																
Vol/Sat:	0.01	0.00	0.00		0.00	0.00	0.00		0.00	0.35	0.35		0.00	0.12	0.00	
Crit Moves:	****									****			****			
Green/Cycle:	0.03	0.00	0.00		0.00	0.00	0.00		0.00	0.85	0.85		0.00	0.85	0.00	
Volume/Cap:	0.42	0.00	0.00		0.00	0.00	0.00		0.00	0.42	0.42		0.00	0.14	0.00	
Delay/Veh:	50.1	0.0	0.0		0.0	0.0	0.0		0.0	1.9	1.9		0.0	1.3	0.0	
User DelAdj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	50.1	0.0	0.0		0.0	0.0	0.0		0.0	1.9	1.9		0.0	1.3	0.0	
HCM2kAvg:	1	0	0		0	0	0		0	5	5		0	1	0	

2014 AM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #6 Otay Mesa Rd / Enrico Fermi Dr

Cycle (sec): 100 Critical Vol./Cap. (X): 0.615
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 10.7
Optimal Cycle: 50 Level Of Service: B

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	1	0 0	0	1	0	0 0	0	0	0	0 0	1	0	1	0 0	1	0
Volume Module:																
Base Vol:	70	0	17		0	0	0		0	537	44		6	102	0	
Growth Adj:	1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16	
Initial Bse:	81	0	20		0	0	0		0	623	51		7	118	0	
Added Vol:	0	0	0		0	0	0		0	12	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	81	0	20		0	0	0		0	635	51		7	118	0	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	0.76	0.76	0.76		0.76	0.76	0.76		0.76	0.76	0.76		0.76	0.76	0.76	
PHF Volume:	106	0	26		0	0	0		0	831	67		9	155	0	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	106	0	26		0	0	0		0	831	67		9	155	0	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	106	0	26		0	0	0		0	831	67		9	155	0	
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900	
Adjustment:	0.95	1.00	0.85		1.00	1.00	1.00		1.00	0.99	0.99		0.95	1.00	1.00	
Lanes:	1.00	0.00	1.00		0.00	0.00	0.00		0.00	0.93	0.07		1.00	1.00	0.00	
Final Sat.:	1805	0	1615		0	0	0		0	1741	140		1805	1900	0	
Capacity Analysis Module:																
Vol/Sat:	0.06	0.00	0.02		0.00	0.00	0.00		0.00	0.48	0.48		0.01	0.08	0.00	
Crit Moves:	****									****			****			
Green/Cycle:	0.10	0.00	0.10		0.00	0.00	0.00		0.00	0.78	0.78		0.01	0.78	0.00	
Volume/Cap:	0.62	0.00	0.17		0.00	0.00	0.00		0.00	0.62	0.62		0.62	0.10	0.00	
Delay/Veh:	49.9	0.0	42.1		0.0	0.0	0.0		0.0	5.6	5.6		108.1	2.6	0.0	
User DelAdj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	49.9	0.0	42.1		0.0	0.0	0.0		0.0	5.6	5.6		108.1	2.6	0.0	
HCM2kAvg:	4	0	1		0	0	0		0	12	13		1	1	0	

2014 AM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

****

Intersection #7 Otay Mesa Rd / Alta Rd

****

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

****

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Volume Module:																				
Base Vol:	0	0	0	0	0	94	523	0	0	0	0	0								
Growth Adj:	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16								
Initial Bse:	0	0	0	0	0	109	607	0	0	0	0	0								
Added Vol:	0	0	0	0	0	0	12	0	0	0	0	0								
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0								
Initial Fut:	0	0	0	0	0	109	619	0	0	0	0	0								
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00								
PHF Adj:	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75								
PHF Volume:	0	0	0	0	0	146	826	0	0	0	0	0								
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0								
Final Vol.:	0	0	0	0	0	146	826	0	0	0	0	0								
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	6.2	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	3.3	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx								
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx								
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx								
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	0.00	0.00	xxxx	xxxx	xxxx	xxxx	xxxx								
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
LOS by Move:	*	*	*	*	*	A	A	*	*	*	*	*								
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx								
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*								
ApproachDel:	xxxxxx					0.0	xxxxxx				xxxxxx									
ApproachLOS:	*					A	*				*									

2014 AM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #8 Alta Rd / Paseo De La Puente

Cycle (sec): 100 Critical Vol./Cap. (X): 0.488
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 1.7
Optimal Cycle: 40 Level Of Service: A

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	0	0	0	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	1
Volume Module:																
Base Vol:	0	516	6		2	93	0		0	0	0		2	0	4	
Growth Adj:	1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16	
Initial Bse:	0	599	7		2	108	0		0	0	0		2	0	5	
Added Vol:	0	0	12		0	0	0		0	0	0		0	0	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	0	599	19		2	108	0		0	0	0		2	0	5	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	0.76	0.76	0.76		0.76	0.76	0.76		0.76	0.76	0.76		0.76	0.76	0.76	
PHF Volume:	0	784	25		3	141	0		0	0	0		3	0	6	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	0	784	25		3	141	0		0	0	0		3	0	6	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	0	784	25		3	141	0		0	0	0		3	0	6	
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900	
Adjustment:	1.00	1.00	1.00		0.95	1.00	1.00		1.00	1.00	1.00		0.95	1.00	0.85	
Lanes:	0.00	0.97	0.03		1.00	1.00	0.00		0.00	0.00	0.00		1.00	0.00	1.00	
Final Sat.:	0	1834	58		1805	1900	0		0	0	0		1805	0	1615	
Capacity Analysis Module:																
Vol/Sat:	0.00	0.43	0.43		0.00	0.07	0.00		0.00	0.00	0.00		0.00	0.00	0.00	
Crit Moves:		****			****									****		
Green/Cycle:	0.00	0.88	0.88		0.00	0.88	0.00		0.00	0.00	0.00		0.00	0.00	0.00	
Volume/Cap:	0.00	0.49	0.49		0.49	0.08	0.00		0.00	0.00	0.00		xxxx	0.00	xxxx	
Delay/Veh:	0.0	1.6	1.6		99.5	0.8	0.0		0.0	0.0	0.0		0.0	0.0	0.0	
User DelAdj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	0.0	1.6	1.6		99.5	0.8	0.0		0.0	0.0	0.0		0.0	0.0	0.0	
HCM2kAvg:	0	6	6		1	1	0		0	0	0		1	0	2	

2014 AM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

****

Intersection #9 Alta Rd / North Access Rd

****

Average Delay (sec/veh): 0.6 Worst Case Level Of Service: C[18.0]

****

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1!	0	0
Volume Module:																				
Base Vol:	0	509	14			4	82	0			0	0	0			12	0	8		
Growth Adj:	1.16	1.16	1.16			1.16	1.16	1.16			1.16	1.16	1.16			1.16	1.16	1.16		
Initial Bse:	0	590	16			5	95	0			0	0	0			14	0	9		
Added Vol:	0	0	0			0	0	0			0	0	0			0	0	0		
PasserByVol:	0	0	0			0	0	0			0	0	0			0	0	0		
Initial Fut:	0	590	16			5	95	0			0	0	0			14	0	9		
User Adj:	1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00		
PHF Adj:	0.79	0.79	0.79			0.79	0.79	0.79			0.79	0.79	0.79			0.79	0.79	0.79		
PHF Volume:	0	747	21			6	120	0			0	0	0			18	0	12		
Reduct Vol:	0	0	0			0	0	0			0	0	0			0	0	0		
Final Vol.:	0	747	21			6	120	0			0	0	0			18	0	12		
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx			4.1	xxxx	xxxxx			xxxxx	xxxx	xxxxx			6.4	xxxx	6.2		
FollowUpTim:	xxxxx	xxxx	xxxxx			2.2	xxxx	xxxxx			xxxxx	xxxx	xxxxx			3.5	xxxx	3.3		
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx			818	xxxx	xxxxx			xxxx	xxxx	xxxxx			937	xxxx	796		
Potent Cap.:	xxxx	xxxx	xxxxx			769	xxxx	xxxxx			xxxx	xxxx	xxxxx			278	xxxx	366		
Move Cap.:	xxxx	xxxx	xxxxx			769	xxxx	xxxxx			xxxx	xxxx	xxxxx			277	xxxx	366		
Volume/Cap:	xxxx	xxxx	xxxx			0.01	xxxx	xxxx			xxxx	xxxx	xxxx			0.06	xxxx	0.03		
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx			0.0	xxxx	xxxxx			xxxxx	xxxx	xxxxx			xxxxx	xxxx	xxxxx		
Stopped Del:	xxxxx	xxxx	xxxxx			9.7	xxxx	xxxxx			xxxxx	xxxx	xxxxx			xxxxx	xxxx	xxxxx		
LOS by Move:	*	*	*			A	*	*			*	*	*			*	*	*		
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx			xxxx	xxxx	xxxxx			xxxx	xxxx	xxxxx			xxxx	307	xxxxx		
SharedQueue:	xxxxx	xxxx	xxxxx			0.0	xxxx	xxxxx			xxxxx	xxxx	xxxxx			xxxxx	0.3	xxxxx		
Shrd StpDel:	xxxxx	xxxx	xxxxx			9.7	xxxx	xxxxx			xxxxx	xxxx	xxxxx			xxxxx	18.0	xxxxx		
Shared LOS:	*	*	*			A	*	*			*	*	*			*	C	*		
ApproachDel:	xxxxxx					xxxxxx					xxxxxx					18.0				
ApproachLOS:	*					*					*					C				

2014 PM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Trip Generation Report

Forecast for Year 2014 PM Peak

Zone #	Subzone	Amount	Units	Rate In	Rate Out	Trips In	Trips Out	Total Trips	% Of Total
1	Pio Pico Ene	24.00	Pio Pico - Ope	0.00	0.50	0	12	12	100.0
1	Pio Pico Ene	658.00	Pio Pico - Con	0.00	0.00	0	0	0	0.0
	Zone 1 Subtotal					0	12	12	100.0
TOTAL						0	12	12	100.0

2014 PM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 1 SR-905 / La Media Road	C	31.5	0.849	C	31.5	0.852	+ 0.019 D/V
# 2 SR-125 SB Off Ramp / SR-905	A	7.1	0.471	A	7.1	0.473	-0.013 D/V
# 3 SR-125 NB On Ramp / SR-905	B	10.2	0.806	B	10.3	0.810	+ 0.086 D/V
# 4 SR-905 (NB) / Otay Mesa Rd	C	29.3	0.865	C	29.6	0.870	+ 0.297 D/V
# 5 Otay Mesa Rd / Sanyo Rd	B	16.8	0.654	B	16.9	0.664	+ 0.066 D/V
# 6 Otay Mesa Rd / Enrico Fermi Dr	B	13.1	0.530	B	13.0	0.540	-0.041 D/V
# 7 Otay Mesa Rd / Alta Rd	A	0.0	0.000	A	0.0	0.000	+ 0.000 D/V
# 8 Alta Rd / Paseo De La Puente	A	1.3	0.447	A	3.6	0.464	+ 2.314 D/V
# 9 Alta Rd / North Access Rd	C	16.6	0.000	C	16.6	0.000	+ 0.000 D/V

2014 PM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #1 SR-905 / La Media Road

Cycle (sec): 100 Critical Vol./Cap. (X): 0.852
Loss Time (sec): 16 (Y+R = 4 sec) Average Delay (sec/veh): 31.5
Optimal Cycle: 100 Level Of Service: C

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Protected						Protected						Protected						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0				0	0	0				0	0	0				0	0	0			
Lanes:	1	0	0	1	0		2	0	0	1	0		1	0	3	0	1		1	0	2	1	0	
Volume Module:																								
Base Vol:	231		23		64		54		49		102		57		1442		204		49		1469		36	
Growth Adj:	1.16		1.16		1.16		1.16		1.16		1.16		1.16		1.16		1.16		1.16		1.16		1.16	
Initial Bse:	268		27		74		63		57		118		66		1673		237		57		1704		42	
Added Vol:	0		0		0		0		0		0		0		0		0		0		10		0	
PasserByVol:	0		0		0		0		0		0		0		0		0		0		0		0	
Initial Fut:	268		27		74		63		57		118		66		1673		237		57		1714		42	
User Adj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
PHF Adj:	0.88		0.88		0.88		0.88		0.88		0.88		0.88		0.88		0.88		0.88		0.88		0.88	
PHF Volume:	306		30		85		71		65		135		75		1907		270		65		1954		48	
Reduct Vol:	0		0		0		0		0		0		0		0		0		0		0		0	
Reduced Vol:	306		30		85		71		65		135		75		1907		270		65		1954		48	
PCE Adj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
MLF Adj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
Final Vol.:	306		30		85		71		65		135		75		1907		270		65		1954		48	
Saturation Flow Module:																								
Sat/Lane:	1900		1900		1900		1900		1900		1900		1900		1900		1900		1900		1900		1900	
Adjustment:	0.95		0.89		0.89		0.92		0.90		0.90		0.95		0.91		0.85		0.95		0.91		0.91	
Lanes:	1.00		0.26		0.74		2.00		0.32		0.68		1.00		3.00		1.00		1.00		2.93		0.07	
Final Sat.:	1805		447		1244		3502		554		1154		1805		5187		1615		1805		5043		123	
Capacity Analysis Module:																								
Vol/Sat:	0.17		0.07		0.07		0.02		0.12		0.12		0.04		0.37		0.17		0.04		0.39		0.39	
Crit Moves:	****								****				****								****			
Green/Cycle:	0.20		0.26		0.26		0.08		0.14		0.14		0.05		0.46		0.46		0.04		0.45		0.45	
Volume/Cap:	0.85		0.26		0.26		0.26		0.85		0.85		0.85		0.80		0.36		0.80		0.85		0.85	
Delay/Veh:	56.1		29.8		29.8		44.0		66.7		66.7		97.9		25.2		17.9		88.9		27.5		27.5	
User DelAdj:	1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00	
AdjDel/Veh:	56.1		29.8		29.8		44.0		66.7		66.7		97.9		25.2		17.9		88.9		27.5		27.5	
HCM2kAvg:	12		3		3		1		9		9		5		19		5		4		21		21	

2014 PM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #2 SR-125 SB Off Ramp / SR-905

Cycle (sec): 100 Critical Vol./Cap. (X): 0.473
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 7.1
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Protected						Protected						Protected						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	0	0	0	0		2	0	0	0	1		0	0	3	0	0		0	0	3	0	0	
Volume Module:																								
Base Vol:	0	0	0	124	0	49	0	240	0	0	1541	0												
Growth Adj:	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16												
Initial Bse:	0	0	0	144	0	57	0	278	0	0	1788	0												
Added Vol:	0	0	0	0	0	0	0	0	0	0	10	0												
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0												
Initial Fut:	0	0	0	144	0	57	0	278	0	0	1798	0												
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00												
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93												
PHF Volume:	0	0	0	155	0	61	0	299	0	0	1931	0												
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0												
Reduced Vol:	0	0	0	155	0	61	0	299	0	0	1931	0												
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00												
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00												
Final Vol.:	0	0	0	155	0	61	0	299	0	0	1931	0												
Saturation Flow Module:																								
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900												
Adjustment:	1.00	1.00	1.00	0.92	1.00	0.85	1.00	0.91	1.00	1.00	0.91	1.00												
Lanes:	0.00	0.00	0.00	2.00	0.00	1.00	0.00	3.00	0.00	0.00	3.00	0.00												
Final Sat.:	0	0	0	3502	0	1615	0	5187	0	0	5187	0												
Capacity Analysis Module:																								
Vol/Sat:	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.06	0.00	0.00	0.37	0.00												
Crit Moves:				****			****				****													
Green/Cycle:	0.00	0.00	0.00	0.09	0.00	0.09	0.00	0.79	0.00	0.00	0.79	0.00												
Volume/Cap:	0.00	0.00	0.00	0.47	0.00	0.41	0.00	0.07	0.00	0.00	0.47	0.00												
Delay/Veh:	0.0	0.0	0.0	44.1	0.0	44.5	0.0	2.4	0.0	0.0	3.7	0.0												
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00												
AdjDel/Veh:	0.0	0.0	0.0	44.1	0.0	44.5	0.0	2.4	0.0	0.0	3.7	0.0												
HCM2kAvg:	0	0	0	3	0	2	0	1	0	0	7	0												

2014 PM PEAK HOUR WITH PROJECT
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Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #3 SR-125 NB On Ramp / SR-905

Cycle (sec): 100 Critical Vol./Cap. (X): 0.810
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 10.3
Optimal Cycle: 79 Level Of Service: B

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Protected						Protected						Protected						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0				0	0	0				0	0	0				0	0	0			
Lanes:	0	0	0	0	0		0	0	0	0	0		1	0	2	1	1		0	0	2	0	2	
Volume Module:																								
Base Vol:	0	0	0				0	0	0				117	241	0				0	1548	322			
Growth Adj:	1.16	1.16	1.16				1.16	1.16	1.16				1.16	1.16	1.16				1.16	1.16	1.16			
Initial Bse:	0	0	0				0	0	0				136	280	0				0	1796	374			
Added Vol:	0	0	0				0	0	0				0	0	0				0	10	2			
PasserByVol:	0	0	0				0	0	0				0	0	0				0	0	0			
Initial Fut:	0	0	0				0	0	0				136	280	0				0	1806	376			
User Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
PHF Adj:	0.81	0.81	0.81				0.81	0.81	0.81				0.81	0.81	0.81				0.81	0.81	0.81			
PHF Volume:	0	0	0				0	0	0				168	346	0				0	2238	465			
Reduct Vol:	0	0	0				0	0	0				0	0	0				0	0	0			
Reduced Vol:	0	0	0				0	0	0				168	346	0				0	2238	465			
PCE Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
MLF Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
Final Vol.:	0	0	0				0	0	0				168	346	0				0	2238	465			
Saturation Flow Module:																								
Sat/Lane:	1900	1900	1900				1900	1900	1900				1900	1900	1900				1900	1900	1900			
Adjustment:	1.00	1.00	1.00				1.00	1.00	1.00				0.95	0.91	0.91				1.00	0.95	0.75			
Lanes:	0.00	0.00	0.00				0.00	0.00	0.00				1.00	3.00	1.00				0.00	2.00	2.00			
Final Sat.:	0	0	0				0	0	0				1805	5187	1729				0	3610	2842			
Capacity Analysis Module:																								
Vol/Sat:	0.00	0.00	0.00				0.00	0.00	0.00				0.09	0.07	0.00				0.00	0.62	0.16			
Crit Moves:													****							****				
Green/Cycle:	0.00	0.00	0.00				0.00	0.00	0.00				0.11	0.88	0.00				0.00	0.77	0.77			
Volume/Cap:	0.00	0.00	0.00				0.00	0.00	0.00				0.81	0.08	0.00				0.00	0.81	0.21			
Delay/Veh:	0.0	0.0	0.0				0.0	0.0	0.0				63.9	0.8	0.0				0.0	9.2	3.4			
User DelAdj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
AdjDel/Veh:	0.0	0.0	0.0				0.0	0.0	0.0				63.9	0.8	0.0				0.0	9.2	3.4			
HCM2kAvg:	0	0	0				0	0	0				8	0	0				0	23	2			

2014 PM PEAK HOUR WITH PROJECT
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Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #4 SR-905 (NB) / Otay Mesa Rd

Cycle (sec): 100 Critical Vol./Cap. (X): 0.870
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 29.6
Optimal Cycle: 97 Level Of Service: C

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Protected						Protected						Protected						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0				0	0	0				0	0	0				0	0	0			
Lanes:	2	0	0	0	1		0	0	0	0	0		0	0	2	0	0		0	0	2	0	0	
Volume Module:																								
Base Vol:	1007	0	7				0	0	0				0	233	0				0	855	0			
Growth Adj:	1.16	1.16	1.16				1.16	1.16	1.16				1.16	1.16	1.16				1.16	1.16	1.16			
Initial Bse:	1168	0	8				0	0	0				0	270	0				0	992	0			
Added Vol:	0	0	0				0	0	0				0	0	0				0	12	0			
PasserByVol:	0	0	0				0	0	0				0	0	0				0	0	0			
Initial Fut:	1168	0	8				0	0	0				0	270	0				0	1004	0			
User Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
PHF Adj:	0.80	0.80	0.80				0.80	0.80	0.80				0.80	0.80	0.80				0.80	0.80	0.80			
PHF Volume:	1462	0	10				0	0	0				0	338	0				0	1256	0			
Reduct Vol:	0	0	0				0	0	0				0	0	0				0	0	0			
Reduced Vol:	1462	0	10				0	0	0				0	338	0				0	1256	0			
PCE Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
MLF Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
Final Vol.:	1462	0	10				0	0	0				0	338	0				0	1256	0			
Saturation Flow Module:																								
Sat/Lane:	1900	1900	1900				1900	1900	1900				1900	1900	1900				1900	1900	1900			
Adjustment:	0.92	1.00	0.85				1.00	1.00	1.00				1.00	0.95	1.00				1.00	0.95	1.00			
Lanes:	2.00	0.00	1.00				0.00	0.00	0.00				0.00	2.00	0.00				0.00	2.00	0.00			
Final Sat.:	3502	0	1615				0	0	0				0	3610	0				0	3610	0			
Capacity Analysis Module:																								
Vol/Sat:	0.42	0.00	0.01				0.00	0.00	0.00				0.00	0.09	0.00				0.00	0.35	0.00			
Crit Moves:	****												****							****				
Green/Cycle:	0.48	0.00	0.48				0.00	0.00	0.00				0.00	0.40	0.00				0.00	0.40	0.00			
Volume/Cap:	0.87	0.00	0.01				0.00	0.00	0.00				0.00	0.23	0.00				0.00	0.87	0.00			
Delay/Veh:	28.4	0.0	13.6				0.0	0.0	0.0				0.0	19.9	0.0				0.0	33.6	0.0			
User DelAdj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
AdjDel/Veh:	28.4	0.0	13.6				0.0	0.0	0.0				0.0	19.9	0.0				0.0	33.6	0.0			
HCM2kAvg:	24	0	0				0	0	0				0	3	0				0	21	0			

2014 PM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
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Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #5 Otay Mesa Rd / Sanyo Rd

Cycle (sec): 100 Critical Vol./Cap. (X): 0.664
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 16.9
Optimal Cycle: 55 Level Of Service: B

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	- T	- R		L	- T	- R		L	- T	- R		L	- T	- R	
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0	0		0	0	0		0	0	0		0	0	0	
Lanes:	1	0	1!	0	0	0	0	0	0	0	0	1	1	0	1	0	0
Volume Module:																
Base Vol:	274	0	4		0	0	0		0	124	109		4	566	0	
Growth Adj:	1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16	
Initial Bse:	318	0	5		0	0	0		0	144	126		5	657	0	
Added Vol:	0	0	0		0	0	0		0	0	0		0	12	0	
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0	
Initial Fut:	318	0	5		0	0	0		0	144	126		5	669	0	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
PHF Adj:	0.76	0.76	0.76		0.76	0.76	0.76		0.76	0.76	0.76		0.76	0.76	0.76	
PHF Volume:	421	0	6		0	0	0		0	191	167		6	886	0	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	
Reduced Vol:	421	0	6		0	0	0		0	191	167		6	886	0	
PCE Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
MLF Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
Final Vol.:	421	0	6		0	0	0		0	191	167		6	886	0	
Saturation Flow Module:																
Sat/Lane:	1900	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900	
Adjustment:	0.95	1.00	0.95		1.00	1.00	1.00		1.00	0.88	0.88		0.95	1.00	1.00	
Lanes:	1.97	0.00	0.03		0.00	0.00	0.00		0.00	1.06	0.94		1.00	1.00	0.00	
Final Sat.:	3563	0	51		0	0	0		0	1787	1571		1805	1900	0	
Capacity Analysis Module:																
Vol/Sat:	0.12	0.00	0.12		0.00	0.00	0.00		0.00	0.11	0.11		0.00	0.47	0.00	
Crit Moves:	****								****					****		
Green/Cycle:	0.18	0.00	0.18		0.00	0.00	0.00		0.00	0.68	0.68		0.02	0.70	0.00	
Volume/Cap:	0.66	0.00	0.67		0.00	0.00	0.00		0.00	0.16	0.16		0.16	0.66	0.00	
Delay/Veh:	40.9	0.0	41.2		0.0	0.0	0.0		0.0	5.8	5.8		49.9	9.6	0.0	
User DelAdj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	
AdjDel/Veh:	40.9	0.0	41.2		0.0	0.0	0.0		0.0	5.8	5.8		49.9	9.6	0.0	
HCM2kAvg:	8	0	7		0	0	0		0	2	2		0	16	0	

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Intersection #6 Otay Mesa Rd / Enrico Fermi Dr

Cycle (sec): 100 Critical Vol./Cap. (X): 0.540
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 13.0
Optimal Cycle: 43 Level Of Service: B

Approach:	North Bound				South Bound				East Bound				West Bound			
Movement:	L	T		R	L	T		R	L	T		R	L	T		R
Control:	Protected				Protected				Protected				Protected			
Rights:	Include				Include				Include				Include			
Min. Green:	0	0		0	0	0		0	0	0		0	0	0		0
Lanes:	1	0	0	0 1	0	0	0	0 0	0	0	0	1 0	1	0	1	0 0
Volume Module:																
Base Vol:	98	0		15	0	0		0	0	92		33	18	460		0
Growth Adj:	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16		1.16	1.16	1.16		1.16
Initial Bse:	114	0		17	0	0		0	0	107		38	21	534		0
Added Vol:	0	0		0	0	0		0	0	0		0	0	12		0
PasserByVol:	0	0		0	0	0		0	0	0		0	0	0		0
Initial Fut:	114	0		17	0	0		0	0	107		38	21	546		0
User Adj:	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00
PHF Adj:	0.74	0.74		0.74	0.74	0.74		0.74	0.74	0.74		0.74	0.74	0.74		0.74
PHF Volume:	154	0		24	0	0		0	0	145		52	28	740		0
Reduct Vol:	0	0		0	0	0		0	0	0		0	0	0		0
Reduced Vol:	154	0		24	0	0		0	0	145		52	28	740		0
PCE Adj:	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00
MLF Adj:	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00
Final Vol.:	154	0		24	0	0		0	0	145		52	28	740		0
Saturation Flow Module:																
Sat/Lane:	1900	1900		1900	1900	1900		1900	1900	1900		1900	1900	1900		1900
Adjustment:	0.95	1.00		0.85	1.00	1.00		1.00	1.00	0.96		0.96	0.95	1.00		1.00
Lanes:	1.00	0.00		1.00	0.00	0.00		0.00	0.00	0.74		0.26	1.00	1.00		0.00
Final Sat.:	1805	0		1615	0	0		0	0	1348		484	1805	1900		0
Capacity Analysis Module:																
Vol/Sat:	0.09	0.00		0.01	0.00	0.00		0.00	0.00	0.11		0.11	0.02	0.39		0.00
Crit Moves:	****								****					****		
Green/Cycle:	0.16	0.00		0.16	0.00	0.00		0.00	0.00	0.63		0.63	0.09	0.72		0.00
Volume/Cap:	0.54	0.00		0.09	0.00	0.00		0.00	0.00	0.17		0.17	0.17	0.54		0.00
Delay/Veh:	40.8	0.0		36.1	0.0	0.0		0.0	0.0	7.8		7.8	42.4	6.8		0.0
User DelAdj:	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00
AdjDel/Veh:	40.8	0.0		36.1	0.0	0.0		0.0	0.0	7.8		7.8	42.4	6.8		0.0
HCM2kAvg:	5	0		1	0	0		0	0	2		3	1	11		0

2014 PM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

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Intersection #7 Otay Mesa Rd / Alta Rd

****

Average Delay (sec/veh): 0.0 Worst Case Level Of Service: A[0.0]

****

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
Volume Module:																				
Base Vol:	0	0	0	0	0	0	0	0	0	407	74	0	0	0	0	0	0	0	0	0
Growth Adj:	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Initial Bse:	0	0	0	0	0	0	0	0	0	472	86	0	0	0	0	0	0	0	0	0
Added Vol:	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	0	0	0	0	0	0	484	86	0	0	0	0	0	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
PHF Volume:	0	0	0	0	0	0	0	0	0	777	138	0	0	0	0	0	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	0	0	0	0	0	0	777	138	0	0	0	0	0	0	0	0	0
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					6.2	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					3.3	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx					0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx				
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx					0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx				
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx					0	0	xxxx	xxxxx	xxxx	xxxx	xxxxx				
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx					0.00	0.00	xxxx	xxxx	xxxx	xxxx	xxxx				
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx					0.0	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx				
LOS by Move:	*	*	*	*	*					A	A	*	*	*	*	*				
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxxx	xxxx	xxxxx				
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx								
Shared LOS:	*	*	*	*	*	*	*	*	*	*	*	*								
ApproachDel:	xxxxxx					0.0					xxxxxx					xxxxxx				
ApproachLOS:	*					A					*					*				

2014 PM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Operations Method (Future Volume Alternative)

Intersection #8 Alta Rd / Paseo De La Puente

Cycle (sec): 100 Critical Vol./Cap. (X): 0.464
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 3.6
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Protected			Protected			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 0			1 0 1 0 0			0 0 0 0 0			1 0 0 0 1		
Volume Module:												
Base Vol:	0	69	1	0	402	0	0	0	0	4	0	1
Growth Adj:	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
Initial Bse:	0	80	1	0	466	0	0	0	0	5	0	1
Added Vol:	0	0	0	0	0	0	0	0	0	12	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	80	1	0	466	0	0	0	0	17	0	1
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
PHF Volume:	0	128	2	0	747	0	0	0	0	27	0	2
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	128	2	0	747	0	0	0	0	27	0	2
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	128	2	0	747	0	0	0	0	27	0	2
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.95	1.00	0.85
Lanes:	0.00	0.99	0.01	1.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	0	1869	27	1900	1900	0	0	0	0	1805	0	1615
Capacity Analysis Module:												
Vol/Sat:	0.00	0.07	0.07	0.00	0.39	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Crit Moves:	****				****					****		
Green/Cycle:	0.00	0.85	0.85	0.00	0.85	0.00	0.00	0.00	0.00	0.03	0.00	0.03
Volume/Cap:	0.00	0.08	0.08	0.00	0.46	0.00	0.00	0.00	0.00	0.46	0.00	0.04
Delay/Veh:	0.0	1.3	1.3	0.0	2.1	0.0	0.0	0.0	0.0	53.4	0.0	47.2
User DelAdj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	0.0	1.3	1.3	0.0	2.1	0.0	0.0	0.0	0.0	53.4	0.0	47.2
HCM2kAvg:	0	1	1	0	6	0	0	0	0	1	0	0

2014 PM PEAK HOUR WITH PROJECT
PIO PICO ENERGY CENTER
OTAY MESA, CA

Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

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Intersection #9 Alta Rd / North Access Rd

****

Average Delay (sec/veh): 0.6 Worst Case Level Of Service: C[16.6]

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Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0
Volume Module:																				
Base Vol:	0	58	11			0	382				0	0	0			16	0	0		
Growth Adj:	1.16	1.16	1.16			1.16	1.16				1.16	1.16	1.16			1.16	1.16	1.16		
Initial Bse:	0	67	13			0	443				0	0	0			19	0	0		
Added Vol:	0	0	0			0	0				0	0	0			0	0	0		
PasserByVol:	0	0	0			0	0				0	0	0			0	0	0		
Initial Fut:	0	67	13			0	443				0	0	0			19	0	0		
User Adj:	1.00	1.00	1.00			1.00	1.00				1.00	1.00	1.00			1.00	1.00	1.00		
PHF Adj:	0.61	0.61	0.61			0.61	0.61				0.61	0.61	0.61			0.61	0.61	0.61		
PHF Volume:	0	110	21			0	725				0	0	0			30	0	0		
Reduct Vol:	0	0	0			0	0				0	0	0			0	0	0		
Final Vol.:	0	110	21			0	725				0	0	0			30	0	0		
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx							6.4	xxxx	xxxxx		
FollowUpTim:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx							3.5	xxxx	xxxxx		
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx							835	xxxx	xxxxx		
Potent Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx							340	xxxx	xxxxx		
Move Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx							340	xxxx	xxxxx		
Volume/Cap:	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx	xxxx							0.09	xxxx	xxxx		
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx							0.3	xxxx	xxxxx		
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx							16.6	xxxx	xxxxx		
LOS by Move:	*	*	*	*	*	*	*	*	*							C	*	*		
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx							xxxx	xxxx	xxxxx		
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx							xxxxx	xxxx	xxxxx		
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx							xxxxx	xxxx	xxxxx		
Shared LOS:	*	*	*	*	*	*	*	*	*							*	*	*		
ApproachDel:	xxxxxx			xxxxxx			xxxxxx									16.6				
ApproachLOS:	*			*			*									C				