APPENDIX A

INTERSECTION MANUAL & SEGMENT COUNT SHEETS

Traffic Data Service Southwest
9773 Maine Avenue
Lakeside, CA 92040
(619) 390-8495 fax (619) 390-8427

Weather : Clear & Dry
Counted by : M.Adams
Board # : D1-2172
Location : Los Coches Rd & Old Hwy 80

Study Name: 04144010
Site Code : 00144010
Start Date: 04/22/04
Page : 1

Group 1

Start Time	Los Coches Road Southbound Right	Thru	Left	Peds	Old Highway 80 Westbound Right	Thru	Left	Peds	Los Coches Road Northbound Right	Thru	Left	Peds	Old Highway 80 Eastbound Right	Thru	Left	Peds	Intvl. Total
04/22/04																	
07:00	37	98	8	1	21	35	43	0	9	74	9	0	17	16	25	0	393
07:15	72	109	7	0	22	35	45	0	13	82	34	1	14	16	22	1	473
07:30	91	107	10	0	11	62	40	2	23	85	82	1	11	14	27	0	566
07:45	83	116	5	0	9	80	36	0	22	69	52	0	29	17	29	0	547
Hour	283	430	30	1	63	212	164	2	67	310	177	2	71	63	103	1	1979
08:00	54	90	6	0	22	31	40	2	27	69	56	0	40	18	24	0	479
08:15	45	79	5	1	22	24	43	0	15	63	26	0	31	16	29	0	399
08:30	46	102	14	0	19	28	36	1	35	59	21	0	34	16	24	0	435
08:45	39	118	12	1	17	30	39	1	28	62	22	0	14	24	32	0	439
Hour	184	389	37	2	80	113	158	4	105	253	125	0	119	74	109	0	1752
Total	467	819	67	3	143	325	322	6	172	563	302	2	190	137	212	1	3731
% Apr.	34.4	60.3	4.9	0.2	17.9	40.8	40.4	0.7	16.5	54.1	29.0	0.1	35.1	25.3	39.2	0.1	-
% Int.	12.5	21.9	1.7	-	3.8	8.7	8.6	0.1	4.6	15.0	8.0	-	5.0	3.6	5.6	-	-

Peak Hour Analysis By Entire Intersection for the Period: 07:00 on 04/22/04 to 08:45 on 04/22/04

Time	07:15				07:15				07:15				07:15			
Vol.	300	422	28	0	64	208	161	4	85	305	224	2	94	65	102	1
Pct.	40.0	56.2	3.7	0.0	14.6	47.5	36.8	0.9	13.7	49.5	36.3	0.3	35.8	24.8	38.9	0.3
Total	750				437				616				262			
High	07:30				07:45				07:30				08:00			
Vol.	91	107	10	0	9	80	36	0	23	85	82	1	40	18	24	0
Total	208				125				191				82			
PHF	0.901				0.874				0.806				0.798			

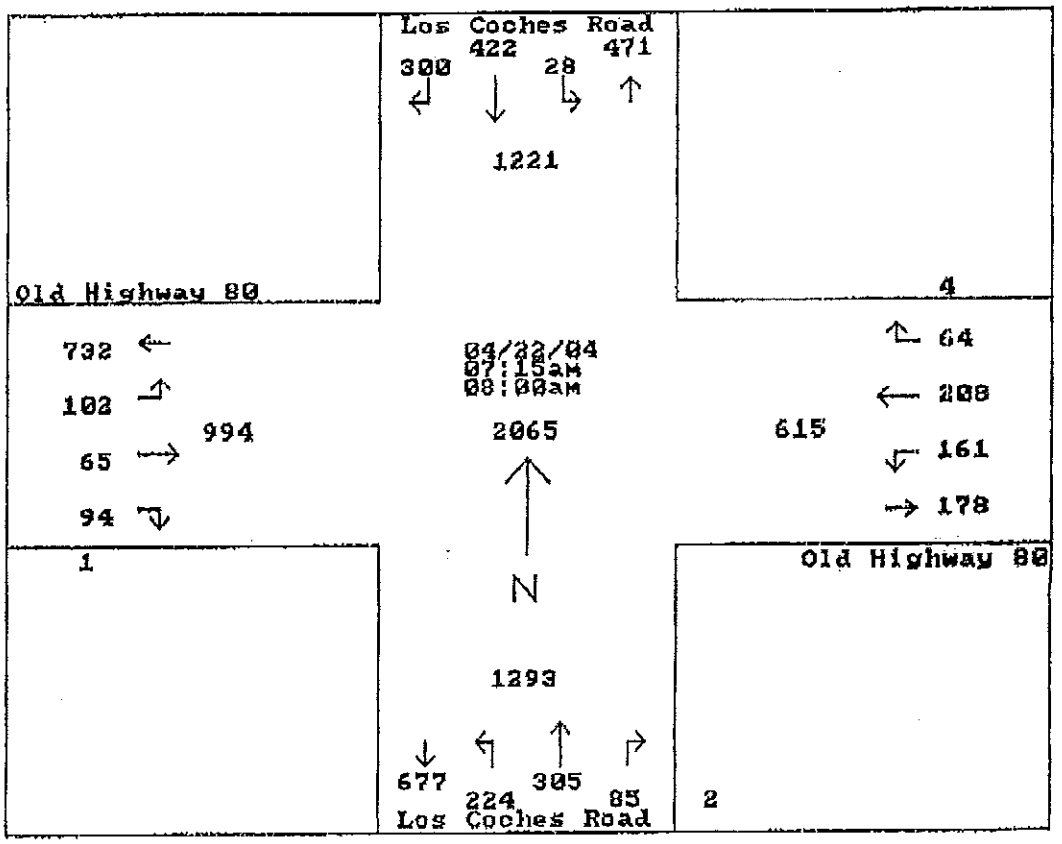
Weather : Clear & Dry
Counted by : M.Adams
Board # : D1-2172
Location : Los Coches Rd & Old Hwy 80

Traffic Data Service Southwest
9773 Maine Avenue
Lakeside, CA 92040
(619) 390-8495 fax (619) 390-8427

Study Name: 04144010
Site Code : 00144010
Start Date: 04/22/04
Page : 2

Group 1

Start Time	Los Coches Road Southbound Right	Thru	Left	Peds	Old Highway 80 Westbound Right	Thru	Left	Peds	Los Coches Road Northbound Right	Thru	Left	Peds	Old Highway 80 Eastbound Right	Thru	Left	Peds	Intvl. Total



Traffic Data Service Southwest
9773 Maine Avenue
Lakeside, CA 92040
(619) 390-8495 fax (619) 390-8427

Weather : Clear & Dry
Counted by : M.Adams
Board # : D1-2172
Location : Los Coches Rd & Old Hwy 80

Study Name: 04144011
Site Code : 00144011
Start Date: 04/22/04
Page : 1

Group 1

Start Time	Los Coches Road Southbound Left	Thru	Right	Peds	Old Highway 80 Westbound Left	Thru	Right	Peds	Los Coches Road Northbound Left	Thru	Right	Peds	Old Highway 80 Eastbound Left	Thru	Right	Peds	Intvl. Total
04/22/04																	
16:00	17	91	44	0	38	36	18	0	38	109	65	0	49	63	43	0	611
16:15	26	86	53	1	37	30	9	1	25	105	55	0	43	62	37	0	570
16:30	19	82	49	1	28	28	18	1	28	120	56	1	48	51	33	1	564
16:45	23	89	48	0	32	26	24	0	26	107	45	0	56	47	30	0	561
Hour	85	348	194	2	135	120	69	2	117	441	221	1	196	223	151	1	2306
17:00	30	104	53	1	35	24	22	0	20	119	50	1	54	58	51	0	622
17:15	17	87	57	1	25	30	16	0	31	105	62	0	46	61	41	0	579
17:30	23	107	46	0	26	25	11	0	26	131	50	0	47	56	35	1	584
17:45	28	111	57	0	49	24	14	1	19	128	58	1	48	45	31	1	615
Hour	98	409	213	2	135	103	63	1	96	483	220	2	195	220	158	2	2400
Total	183	757	407	4	270	223	132	3	213	924	441	3	391	443	309	3	4706
% Apr.	13.5	56.0	30.1	0.2	42.9	35.5	21.0	0.4	13.4	58.4	27.8	0.1	34.1	38.6	26.9	0.2	-
% Int.	3.8	16.0	8.6	-	5.7	4.7	2.8	-	4.5	19.6	9.3	-	8.3	9.4	6.5	-	-

Peak Hour Analysis By Entire Intersection for the Period: 16:00 on 04/22/04 to 17:45 on 04/22/04

Time	17:00				17:00				17:00				17:00			
Vol.	98	409	213	2	135	103	63	1	96	483	220	2	195	220	158	2
Pct.	13.5	56.6	29.5	0.2	44.7	34.1	20.8	0.3	11.9	60.2	27.4	0.2	33.9	38.2	27.4	0.3
Total	722				302				801				575			
High	17:45				17:45				17:30				17:00			
Vol.	28	111	57	0	49	24	14	1	26	131	50	0	54	58	51	0
Total	196				88				207				163			
PHF	0.920				0.857				0.967				0.881			

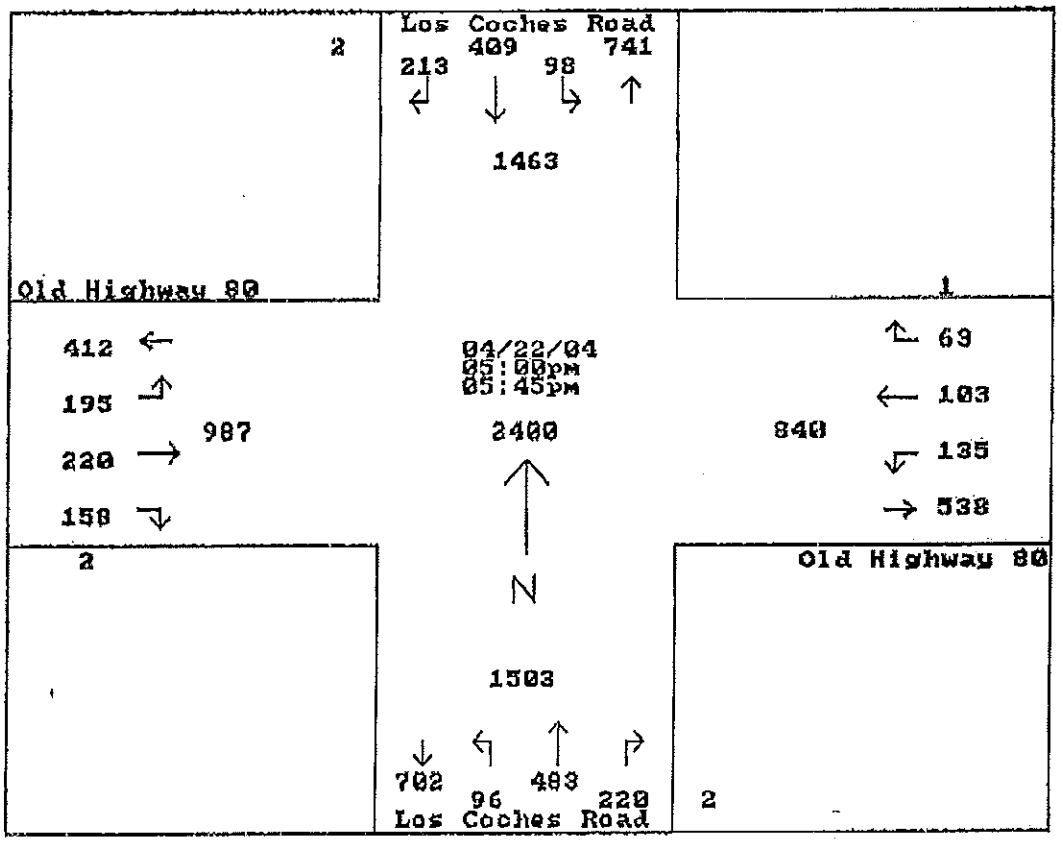
Traffic Data Service Southwest
9773 Maine Avenue
Lakeside, CA 92040
(619) 390-8495 fax (619) 390-8427

Weather : Clear & Dry
Counted by : M.Adams
Board # : D1-2172
Location : Los Coches Rd & Old Hwy 80

Study Name: 04144011
Site Code : 00144011
Start Date: 04/22/04
Page : 2

Group 1

Start Time	Los Coches Road Southbound Left	Thru	Right	Peds	Old Highway 80 Westbound Left	Thru	Right	Peds	Los Coches Road Northbound Left	Thru	Right	Peds	Old Highway 80 Eastbound Left	Thru	Right	Peds	Intvl. Total



Traffic Data Service Southwest
9773 Maine Avenue
Lakeside, CA 92040
(619) 390-8495 fax (619) 390-8427

Weather : Clear & Dry
Counted by : R.Taylor
Board # : D1-1306
Location : Los Coches Rd & Aurora Dr

Study Name: R4144020
Site Code : 00144020
Start Date: 04/22/04
Page : 1

Group 1

Start Time	Los Coches Road Southbound				Los Coches Road East Westbound				Los Coches Road Northbound				Aurora Drive Eastbound				Intvl. Total
	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	Right	Thru	Left	Peds	
04/22/04																	
07:00	2	184	0	0	16	1	17	3	4	107	0	0	20	1	6	0	361
07:15	3	181	2	0	10	8	17	0	13	120	7	3	22	1	6	0	393
07:30	3	177	1	0	20	4	27	0	8	195	10	1	9	2	7	0	464
07:45	7	205	3	0	16	1	11	0	7	151	11	0	12	1	2	0	427
Hour	15	747	6	0	62	14	72	3	32	573	28	4	63	5	21	0	1645
08:00	28	168	8	0	11	2	16	0	16	158	18	0	14	2	2	0	443
08:15	12	143	3	0	12	3	19	0	10	89	6	0	8	2	4	0	311
08:30	13	118	4	0	3	1	18	1	7	71	1	0	8	2	4	0	251
08:45	1	54	2	0	3	1	1	0	3	39	2	0	4	0	2	0	112
Hour	54	483	17	0	29	7	54	1	36	357	27	0	34	6	12	0	1117
Total	69	1230	23	0	91	21	126	4	68	930	55	4	97	11	33	0	2762
% Apr.	5.2	93.0	1.7	-	37.6	8.6	52.0	1.6	6.4	87.9	5.2	0.3	68.7	7.8	23.4	-	-
% Int.	2.4	44.5	0.8	-	3.2	0.7	4.5	0.1	2.4	33.6	1.9	0.1	3.5	0.3	1.1	-	-

Peak Hour Analysis By Entire Intersection for the Period: 07:00 on 04/22/04 to 08:45 on 04/22/04

Time	07:15				07:15				07:15				07:15			
Vol.	41	731	14	0	57	15	71	0	44	624	46	4	57	6	17	0
Pct.	5.2	93.0	1.7	0.0	39.8	10.4	49.6	0.0	6.1	86.9	6.4	0.5	71.2	7.5	21.2	0.0
Total	786				143				718				80			
High	07:45				07:30				07:30				07:15			
Vol.	7	205	3	0	20	4	27	0	8	195	10	1	22	1	6	0
Total	215				51				214				29			
PHF	0.913				0.700				0.838				0.689			

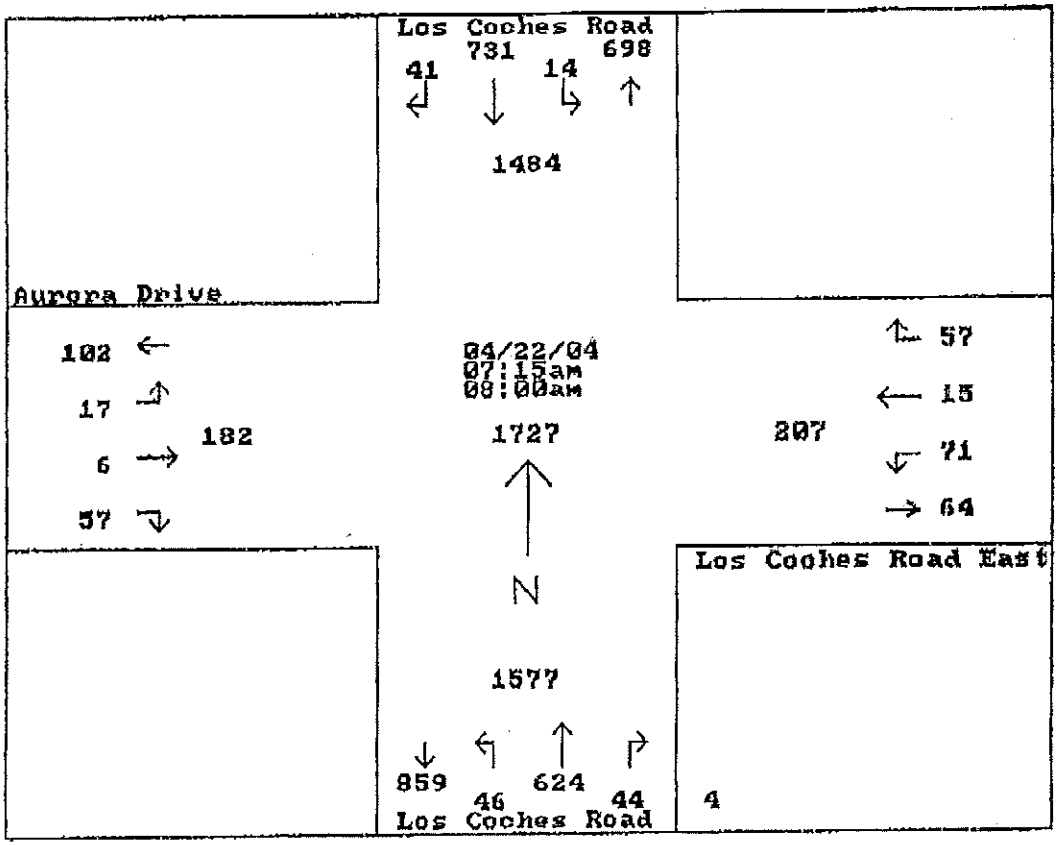
Traffic Data Service Southwest
9773 Maine Avenue
Lakeside, CA 92040
(619) 390-8495 fax (619) 390-8427

Weather : Clear & Dry
Counted by : R.Taylor
Board # : D1-1306
Location : Los Coches Rd & Aurora Dr

Study Name: R4144020
Site Code : 00144020
Start Date: 04/22/04
Page : 2

Group 1

Start Time	Los Coches Road Southbound Right	Thru	Left	Peds	Los Coches Road East Westbound Right	Thru	Left	Peds	Los Coches Road Northbound Right	Thru	Left	Peds	Aurora Drive Eastbound Right	Thru	Left	Peds	Intvl. Total



Traffic Data Service Southwest
9773 Maine Avenue
Lakeside, CA 92040
(619) 390-8495 fax (619) 390-8427

Weather : Clear & Dry
Counted by : R.Taylor
Board # : D1-1306
Location : Los Coches Rd & Aurora Dr

Study Name: 04144021
Site Code : 00144021
Start Date: 04/22/04
Page : 1

Group 1

Start Time	Los Coches Road Southbound Left	Thru	Right	Peds	Los Coches Road East Westbound Left	Thru	Right	Peds	Los Coches Road Northbound Left	Thru	Right	Peds	Aurora Drive Eastbound Left	Thru	Right	Peds	Intvl. Total
04/22/04																	
16:00	11	155	1	0	18	2	7	0	6	199	25	0	3	3	16	0	446
16:15	12	141	7	0	24	1	10	0	3	169	22	0	3	4	23	0	419
16:30	12	128	7	0	16	2	10	0	12	194	23	1	5	4	23	0	437
16:45	17	145	3	0	15	5	13	0	12	182	21	0	1	3	22	0	439
Hour	52	569	18	0	73	10	40	0	33	744	91	1	12	14	84	0	1741
17:00	8	178	1	0	20	4	11	0	8	171	16	1	2	4	19	0	443
17:15	10	141	4	0	16	3	6	0	9	184	25	0	2	2	16	0	418
17:30	12	159	3	0	18	3	7	0	14	204	22	0	6	3	25	0	476
17:45	16	180	6	0	19	2	9	2	12	181	26	0	1	0	16	1	471
Hour	46	658	14	0	73	12	33	2	43	740	89	1	11	9	76	1	1808
Total	98	1227	32	0	146	22	73	2	76	1484	180	2	23	23	160	1	3549
% Apr.	7.2	90.4	2.3	-	60.0	9.0	30.0	0.8	4.3	85.1	10.3	0.1	11.1	11.1	77.2	0.4	-
% Int.	2.7	34.5	0.9	-	4.1	0.6	2.0	-	2.1	41.8	5.0	-	0.6	0.6	4.5	-	-

Peak Hour Analysis By Entire Intersection for the Period: 16:00 on 04/22/04 to 17:45 on 04/22/04

Time	17:00				17:00				17:00				17:00			
Vol.	46	658	14	0	73	12	33	2	43	740	89	1	11	9	76	1
Pct.	6.4	91.6	1.9	0.0	60.8	10.0	27.5	1.6	4.9	84.7	10.1	0.1	11.3	9.2	78.3	1.0
Total	718				120				873				97			
High	17:45				17:00				17:30				17:30			
Vol.	16	180	6	0	20	4	11	0	14	204	22	0	6	3	25	0
Total	202				35				240				34			
PHF	0.888				0.857				0.909				0.713			

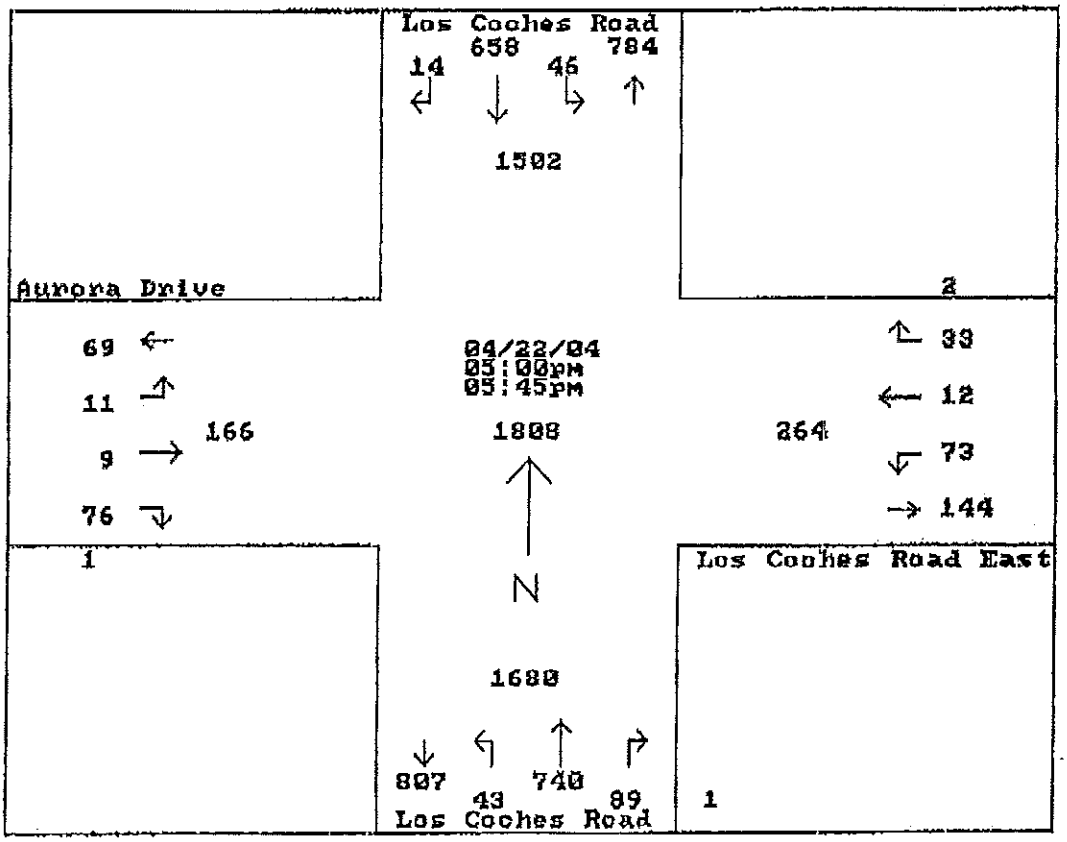
Traffic Data Service Southwest
9773 Maine Avenue
Lakeside, CA 92040
(619) 390-8495 fax (619) 390-8427

Weather : Clear & Dry
Counted by : R.Taylor
Board # : D1-1306
Location : Los Coches Rd & Aurora Dr

Study Name: 04144021
Site Code : 00144021
Start Date: 04/22/04
Page : 2

Group 1

Start Time	Los Coches Road Southbound Left	Thru	Right	Peds	Los Coches Road East Westbound Left	Thru	Right	Peds	Los Coches Road Northbound Left	Thru	Right	Peds	Aurora Drive Eastbound Left	Thru	Right	Peds	Intvl. Total



Weather : Clear & Dry
Counted by: R. Laney
Board # : D1-1424
Site:Los Coches Rd @ I-8 Westbound Ramps

Traffic Data Service Southwest
9773 Maine Avenue
Lakeside, CA 92040
(619) 390-8495 fax (619) 390-8427

Study Name: 03100050
Site Code : 00100050
Start Date: 05/07/03
Page : 1

Group 1

Start Time	Los Coches Road Southbound				I-8 Westbound Off Ramp Westbound				Los Coches Road Northbound				I-8 Westbound On Ramp Eastbound				Intvl. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
05/07/03																	
07:00	0	41	184	0	21	0	18	0	102	88	0	0	0	0	0	0	454
07:15	0	42	162	2	17	0	10	0	97	110	0	0	0	0	0	0	440
07:30	0	67	157	0	24	0	13	0	100	103	0	0	0	0	0	0	464
07:45	0	69	137	0	18	0	13	0	64	94	0	0	0	0	0	1	396
Hour	0	219	640	2	80	0	54	0	363	395	0	0	0	0	0	1	1754
08:00	0	27	140	0	19	0	9	0	71	104	0	0	0	0	0	0	370
08:15	0	82	109	1	53	0	13	1	83	106	0	0	0	0	0	0	448
08:30	0	85	135	0	31	0	18	0	73	112	0	0	0	0	0	0	454
08:45	0	85	103	0	47	0	16	0	73	117	0	0	0	0	0	0	441
Hour	0	279	487	1	150	0	56	1	300	439	0	0	0	0	0	0	1713
Total	0	498	1127	3	230	0	110	1	663	834	0	0	0	0	0	1	3467
% Apr.	-	30.5	69.2	0.1	67.4	-	32.2	0.2	44.2	55.7	-	-	-	-	-	100.0	-
% Int.	-	14.3	32.5	-	6.6	-	3.1	-	19.1	24.0	-	-	-	-	-	-	-

Peak Hour Analysis By Entire Intersection for the Period: 07:00 on 05/07/03 to 08:45 on 05/07/03

Time	07:00				07:00				07:00				07:00			
Vol.	0	219	640	2	80	0	54	0	363	395	0	0	0	0	0	1
Pct.	0.0	25.4	74.3	0.2	59.7	0.0	40.2	0.0	47.8	52.1	0.0	0.0	0.0	0.0	0.0	100.0
Total	861				134				758				1			
High	07:00				07:00				07:15				07:45			
Vol.	0	41	184	0	21	0	18	0	97	110	0	0	0	0	0	1
Total	225				39				207				1			
PHF	0.956				0.858				0.915				0.250			

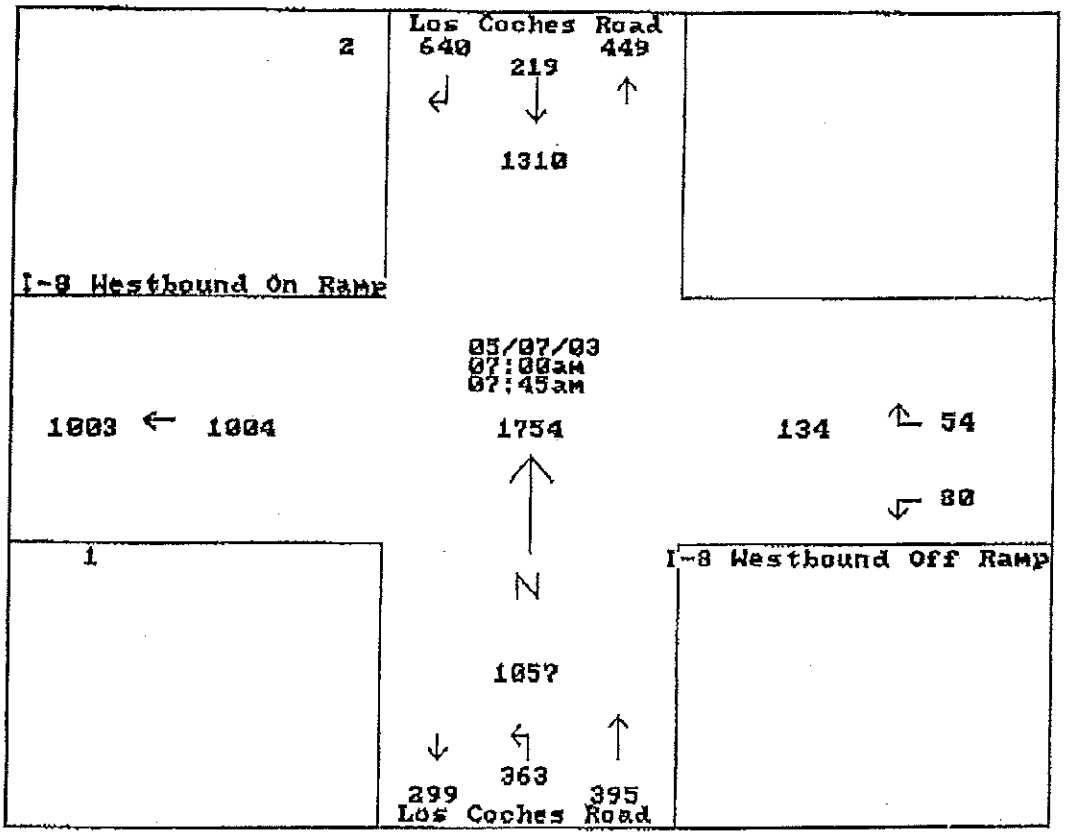
Weather : Clear & Dry
Counted by: R. Lamey
Board # : D1-1424
Site:Los Coches Rd @ I-8 Westbound Ramps

Traffic Data Service Southwest
9773 Maine Avenue
Lakeside, CA 92040
(619) 390-8495 fax (619) 390-8427

Study Name: 03100050
Site Code : 00100050
Start Date: 05/07/03
Page : 2

Group 1

Start Time	Los Coches Road Southbound Left	Thru	Right	Peds	I-8 Westbound Off Ramp Westbound Left	Thru	Right	Peds	Los Coches Road Northbound Left	Thru	Right	Peds	I-8 Westbound On Ramp Eastbound Left	Thru	Right	Peds	Intvl. Total



Weather : Clear & Dry
Counted by: R. Laney
Board # : D1-1424
Site:Los Coches Rd @ I-8 Westbound Ramps

Traffic Data Service Southwest
9773 Maine Avenue
Lakeside, CA 92040
(619) 390-8495 fax (619) 390-8427

Study Name: 03100051
Site Code : 00100051
Start Date: 05/07/03
Page : 1

Group 1

Start Time	Los Coches Road Southbound Left	Thru	Right	Peds	I-8 Westbound Off Ramp Westbound Left	Thru	Right	Peds	Los Coches Road Northbound Left	Thru	Right	Peds	I-8 Westbound On Ramp Eastbound Left	Thru	Right	Peds	Intvl. Total
05/07/03																	
16:00	0	85	84	0	35	0	17	0	100	195	0	0	0	0	0	0	516
16:15	0	87	94	4	49	0	8	0	86	220	0	0	0	0	0	0	548
16:30	0	90	122	1	49	1	23	1	100	165	0	0	0	0	0	0	552
16:45	0	83	120	0	49	0	16	0	76	183	0	0	0	0	0	0	527
Hour	0	345	420	5	182	1	64	1	362	763	0	0	0	0	0	0	2143
17:00	0	95	114	0	44	0	17	0	114	166	0	0	0	0	0	0	550
17:15	0	74	86	0	84	1	15	0	131	139	0	0	0	0	0	0	530
17:30	0	72	122	0	75	1	16	2	128	190	0	0	0	0	0	0	606
17:45	0	69	107	0	68	0	9	2	124	181	0	0	0	0	0	0	560
Hour	0	310	429	0	271	2	57	4	497	676	0	0	0	0	0	0	2246
Total	0	655	849	5	453	3	121	5	859	1439	0	0	0	0	0	0	4389
% Apr.	-	43.4	56.2	0.3	77.8	0.5	20.7	0.8	37.3	62.6	-	-	-	-	-	-	-
% Int.	-	14.9	19.3	0.1	10.3	-	2.7	0.1	19.5	32.7	-	-	-	-	-	-	-

Peak Hour Analysis By Entire Intersection for the Period: 16:00 on 05/07/03 to 17:45 on 05/07/03

Time	17:00				17:00				17:00				17:00			
Vol.	0	310	429	0	271	2	57	4	497	676	0	0	0	0	0	0
Pct.	0.0	41.9	58.0	0.0	81.1	0.5	17.0	1.1	42.3	57.6	0.0	0.0	0.0	0.0	0.0	0.0
Total	739				334				1173				0			
High	17:00				17:15				17:30				17:30			
Vol.	0	95	114	0	84	1	15	0	128	190	0	0	0	0	0	0
Total	209				100				318				0			
PHF	0.883				0.835				0.922				0.000			

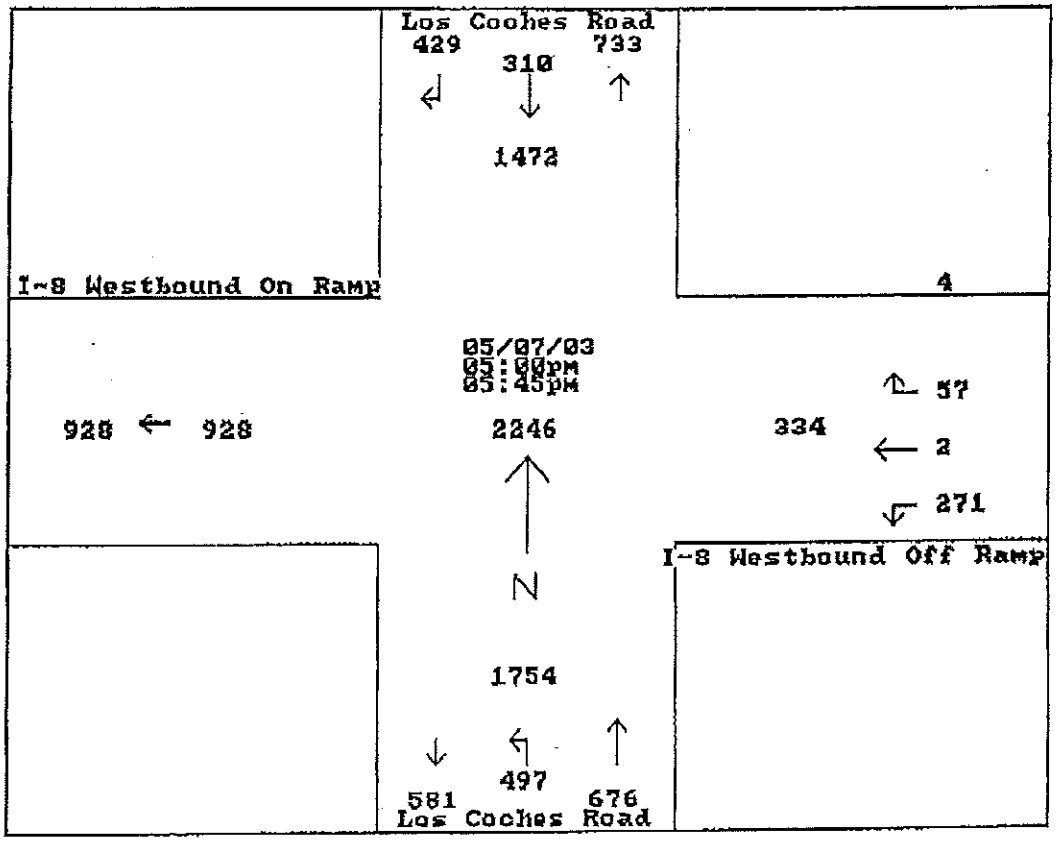
Traffic Data Service Southwest
9773 Maine Avenue
Lakeside, CA 92040
(619) 390-8495 fax (619) 390-8427

Weather : Clear & Dry
Counted by: R. Laney
Board # : D1-1424
Site:Los Cochee Rd @ I-8 Westbound Ramps

Study Name: 03100051
Site Code : 00100051
Start Date: 05/07/03
Page : 2

Group 1

Start Time	Los Coches Road Southbound Left	Thru	Right	Peds	I-8 Westbound Off Ramp Westbound Left	Thru	Right	Peds	Los Coches Road Northbound Left	Thru	Right	Peds	I-8 Westbound On Ramp Eastbound Left	Thru	Right	Peds	Intvl. Total



Traffic Data Service Southwest
9773 Maine Avenue
Lakeside, CA 92040
(619) 390-8495 fax (619) 390-8427

Weather : Clear & Dry
Counted by: A. Gomez
Board # : D1-1426
Site:Los Coches Rd @ I-8 Westbound Ramps

Study Name: 03100060
Site Code : 00100060
Start Date: 05/07/03
Page : 1

Group 1

Start Time	Los Coches Road Southbound				I-8 Eastbound On Ramp Westbound				Los Coches Road Northbound				I-8 Eastbound Off Ramp Eastbound				Intvl. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	
05/07/03																	
07:00	15	48	0	0	0	0	0	0	0	132	19	0	60	1	30	0	305
07:15	14	46	0	0	0	0	0	0	0	147	20	0	59	0	36	0	322
07:30	21	69	0	0	0	0	0	0	0	150	13	0	53	0	36	0	342
07:45	23	67	0	0	0	0	0	0	0	95	21	0	68	0	60	0	334
Hour	73	230	0	0	0	0	0	0	0	524	73	0	240	1	162	0	1303
08:00	16	33	0	0	0	0	0	0	0	99	24	0	79	0	52	0	303
08:15	33	100	0	0	0	0	0	0	0	123	17	0	65	0	54	0	392
08:30	23	95	0	0	0	0	0	0	0	127	18	0	67	0	61	0	391
08:45	27	99	0	0	0	0	0	0	0	130	19	0	51	0	63	0	389
Hour	99	327	0	0	0	0	0	0	0	479	78	0	262	0	230	0	1475
Total	172	557	0	0	0	0	0	0	0	1003	151	0	502	1	392	0	2778
% Apr.	23.5	76.4	-	-	-	-	-	-	-	86.9	13.0	-	56.0	0.1	43.7	-	-
% Int.	6.1	20.0	-	-	-	-	-	-	-	36.1	5.4	-	18.0	-	14.1	-	-

Peak Hour Analysis By Entire Intersection for the Period: 07:00 on 05/07/03 to 08:45 on 05/07/03

Time	08:00				08:00				08:00				08:00			
Vol.	99	327	0	0	0	0	0	0	0	479	78	0	262	0	230	0
Pct.	23.2	76.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85.9	14.0	0.0	53.2	0.0	46.7	0.0
Total	426				0				557				492			
High	08:15				08:15				08:45				08:00			
Vol.	33	100	0	0	0	0	0	0	0	130	19	0	79	0	52	0
Total	133				0				149				131			
PHF	0.800				0.000				0.934				0.938			

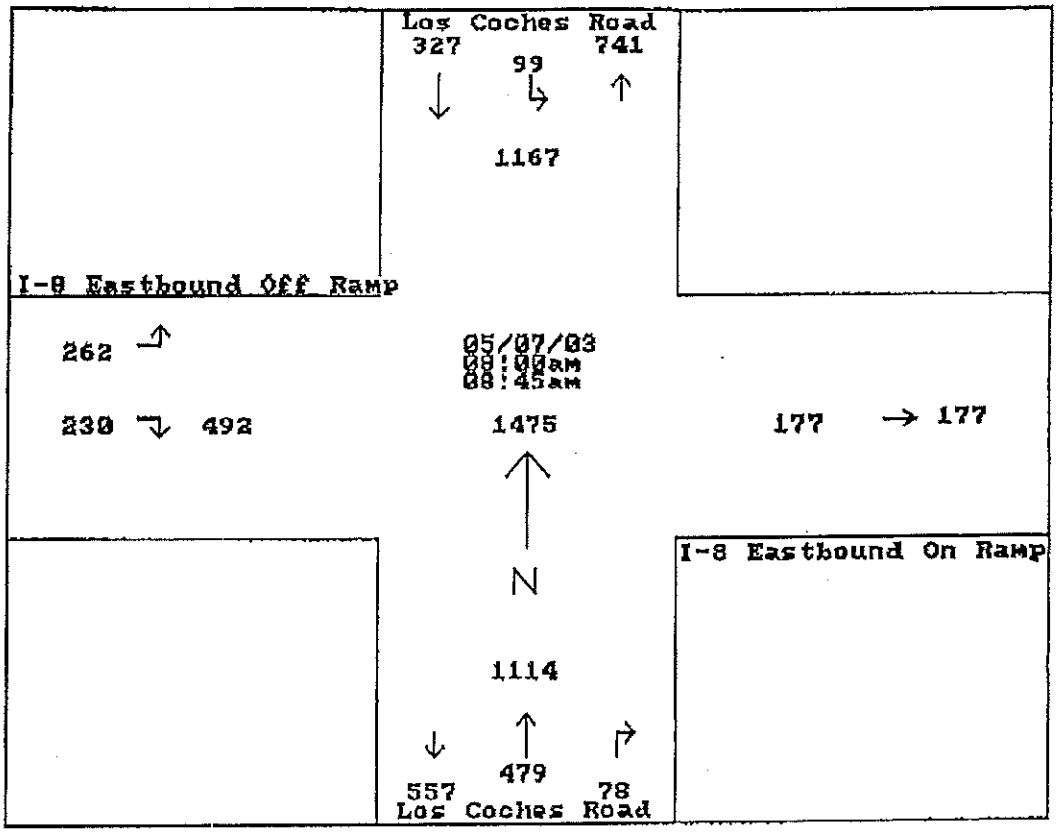
Traffic Data Service Southwest
9773 Maine Avenue
Lakeside, CA 92040
(619) 390-8495 fax (619) 390-8427

Weather : Clear & Dry
Counted by: A. Gomez
Board # : D1-1426
Site:Los Coches Rd @ I-8 Westbound Ramps

Study Name: 03100060
Site Code : 00100060
Start Date: 05/07/03
Page : 2

Group 1

Start Time	Los Coches Road Southbound				I-8 Eastbound On Ramp Westbound				Los Coches Road Northbound				I-8 Eastbound Off Ramp Eastbound				Intvl. Total
	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	Left	Thru	Right	Peds	



Traffic Data Service Southwest
9773 Maine Avenue
Lakeside, CA 92040
(619) 390-8495 fax (619) 390-8427

Weather : Clear & Dry
Counted by: A. Gomez
Board # : D1-1426
Site:Los Coches Rd @ I-8 Eastbound Ramps

Study Name: 03100061
Site Code : 00100061
Start Date: 05/07/03
Page : 1

Group 1

Start Time	Los Coches Road Southbound Left	Thru	Right	Peds	I-8 Eastbound On Ramp Westbound Left	Thru	Right	Peds	Los Coches Road Northbound Left	Thru	Right	Peds	I-8 Eastbound Off Ramp Eastbound Left	Thru	Right	Peds	Intvl. Total
05/07/03																	
16:00	21	101	0	0	0	0	0	0	0	145	81	0	143	1	129	0	621
16:15	24	108	0	0	0	0	0	0	0	156	64	1	151	1	144	0	649
16:30	20	118	0	0	0	0	0	0	0	131	79	0	128	0	143	1	620
16:45	21	110	0	0	0	0	0	0	0	141	83	3	119	1	144	0	622
Hour	86	437	0	0	0	0	0	0	0	573	307	4	541	3	560	1	2512
17:00	23	118	0	0	0	0	0	0	0	143	79	0	136	0	147	0	646
17:15	18	140	0	0	0	0	0	0	0	141	86	0	127	2	142	0	656
17:30	17	128	0	0	0	0	0	0	0	165	70	0	158	4	154	1	697
17:45	17	122	0	0	0	0	0	0	0	162	74	0	137	5	160	0	677
Hour	75	508	0	0	0	0	0	0	0	611	309	0	558	11	603	1	2676
Total	161	945	0	0	0	0	0	0	0	1184	616	4	1099	14	1163	2	5188
% Apr.	14.5	85.4	-	-	-	-	-	-	-	65.6	34.1	0.2	48.2	0.6	51.0	-	-
% Int.	3.1	18.2	-	-	-	-	-	-	-	22.8	11.8	-	21.1	0.2	22.4	-	-

Peak Hour Analysis By Entire Intersection for the Period: 16:00 on 05/07/03 to 17:45 on 05/07/03

Time	17:00				17:00				17:00				17:00			
Vol.	75	508	0	0	0	0	0	0	0	611	309	0	558	11	603	1
Pct.	12.8	87.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.4	33.5	0.0	47.5	0.9	51.4	0.0
Total	583				0				920				1173			
High	17:15				17:15				17:45				17:30			
Vol.	18	140	0	0	0	0	0	0	0	162	74	0	158	4	154	1
Total	158				0				236				317			
PHF	0.922				0.000				0.974				0.925			

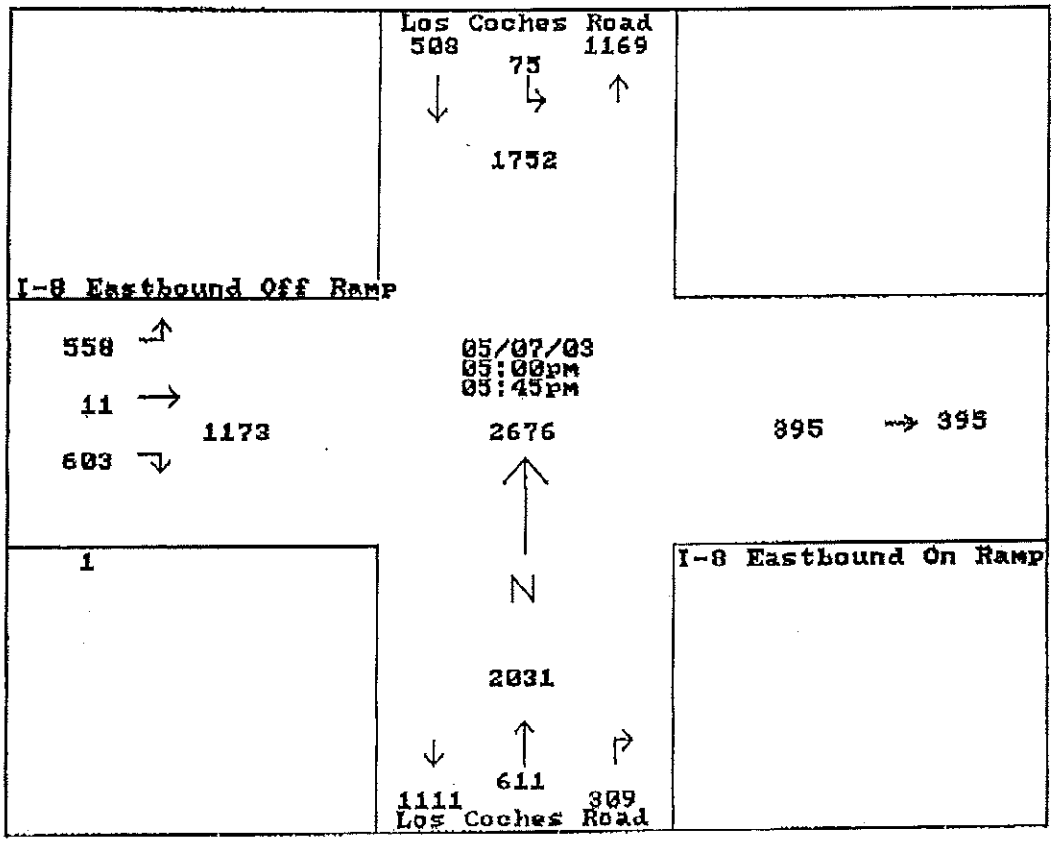
Traffic Data Service Southwest
9773 Maine Avenue
Lakeside, CA 92040
(619) 390-8495 fax (619) 390-8427

Weather : Clear & Dry
Counted by: A. Gomez
Board # : D1-1426
Site:Los Coches Rd @ I-8 Eastbound Ramps

Study Name: 03100061
Site Code : 00100061
Start Date: 05/07/03
Page : 2

Group 1

Start Time	Los Coches Road Southbound Left	Thru	Right	Peds	I-8 Eastbound On Ramp Westbound Left	Thru	Right	Peds	Los Coches Road Northbound Left	Thru	Right	Peds	I-8 Eastbound Off Ramp Eastbound Left	Thru	Right	Peds	Intvl. Total



Traffic Data Service Southwest
Speed Histogram

Eastbound

SpeedHist-2363

DATASETS:

Site:	**[01802] Business Route 8 West of Los Coches Road**
Direction:	8 - East bound A>B, West bound B>A., **Lane:** 0
Survey Duration:	10:49 Tue 18 Jan 2005 to 08:10 Fri 21 Jan 2005
File:	Z:\mcdata\LLG\2005\018\0180221JAN2005.EC0 (Plus)
Identifier:	M463P03F MC56-6 [MC55] (c)Microcom 02/03/01
Algorithm:	Factory default

PROFILE:

Filter time:	**00:00 Wed 19 Jan 2005 to 00:00 Thu 20 Jan 2005**
Included classes:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Speed range:	0 - 100 mph.
Direction:	East (bound)
Headway:	Greater than 4.00 seconds.
Scheme:	Scheme F99
Name:	Factory default profile
Method:	Vehicle classification
Units:	Non-Metric (ft, mi, f/s, mph, lb, ton)
In profile:	3284 Vehicles

Traffic Data Service Southwest
Vehicle Counts

Eastbound

VehicleCount-2362

DATASETS:

Site: **[01802] Business Route 8 West of Los Coches Road**
Direction: 8 - East bound A>B, West bound B>A., **Lane:** 0
Survey Duration: 10:49 Tue 18 Jan 2005 to 08:10 Fri 21 Jan 2005
File: Z:\mcdata\LLG\2005\018\0180221JAN2005.EC0 (Plus)
Identifier: M463P03F MC56-6 [MC55] (c)Microcom 02/03/01
Algorithm: Factory default

PROFILE:

Filter time: **11:00 Tue 18 Jan 2005 to 09:00 Thu 20 Jan 2005**
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Speed range: 0 - 100 mph.
Direction: East (bound)
Headway: All
Scheme: Scheme F99
Name: Factory default profile
Method: Vehicle classification
Units: Non-Metric (ft, mi, f/s, mph, lb, ton)
In profile: 10589 Vehicles

* Tue 18 Jan 2005 - Total=4081(incomplete) , 15 minute drops,

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
-	-	-	-	-	-	-	-	-	-	-	296	379	322	408	502	578	593	355	238	163	133	75	39	
-	-	-	-	-	-	-	-	-	-	-	62	85	73	119	113	130	178	116	55	42	48	22	12	6
-	-	-	-	-	-	-	-	-	-	-	81	86	79	73	107	148	161	89	51	42	33	18	8	12
-	-	-	-	-	-	-	-	-	-	-	67	99	88	106	139	116	134	71	75	40	20	18	11	4
-	-	-	-	-	-	-	-	-	-	-	86	109	82	110	143	184	120	79	57	39	32	17	8	2

PM PkHr 16:45 to 17:45 (n=657), PM PHF=0.89

* Wed 19 Jan 2005 - Total=5619, 15 minute drops,

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
24	13	13	15	22	74	174	249	310	224	275	295	340	330	429	503	659	627	381	229	178	139	75	41	
6	3	3	3	2	9	33	63	82	55	65	67	87	83	99	115	165	181	105	63	42	43	32	9	9
12	5	3	3	4	19	45	61	67	67	68	76	89	77	99	100	184	169	89	57	49	39	15	11	6
4	2	2	3	7	16	41	55	83	49	70	77	71	86	114	139	158	127	106	52	45	36	11	15	7
2	3	5	6	9	30	55	70	78	53	72	75	93	84	117	149	152	150	81	57	42	21	17	6	2

AM PkHr 11:30 to 12:30 (n=328), AM PHF=0.92 PM PkHr 16:15 to 17:15 (n=675), PM PHF=0.92

* Thu 20 Jan 2005 - Total=889(incomplete) , 15 minute drops,

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
24	25	13	5	25	77	176	228	316	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9	5	4	0	5	12	36	50	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	12	2	1	4	19	34	54	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	2	5	2	7	14	53	51	82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	6	2	2	9	32	53	73	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Traffic Data Service Southwest
Speed Histogram

Westbound

SpeedHist-2363

DATASETS:

Site:	**[01802] Business Route 8 West of Los Coches Road**
Direction:	8 - East bound A>B, West bound B>A., **Lane:** 0
Survey Duration:	10:49 Tue 18 Jan 2005 to 08:10 Fri 21 Jan 2005
File:	Z:\mcdata\LLG\2005\018\0180221JAN2005.EC0 (Plus)
Identifier:	M463P03F MC56-6 [MC55] (c)Microcom 02/03/01
Algorithm:	Factory default

PROFILE:

Filter time:	**00:00 Wed 19 Jan 2005 to 00:00 Thu 20 Jan 2005**
Included classes:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Speed range:	0 - 100 mph.
Direction:	West (bound)
Headway:	Greater than 4.00 seconds.
Scheme:	Scheme F99
Name:	Factory default profile
Method:	Vehicle classification
Units:	Non-Metric (ft, mi, f/s, mph, lb, ton)
In profile:	3021 Vehicles

Traffic Data Service Southwest
Vehicle Counts

Westbound

VehicleCount-2362

DATASETS:

Site: **[01802] Business Route 8 West of Los Coches Road**
Direction: 8 - East bound A>B, West bound B>A., **Lane:** 0
Survey Duration: 10:49 Tue 18 Jan 2005 to 08:10 Fri 21 Jan 2005
File: Z:\mcdata\LLG\2005\018\0180221JAN2005.EC0 (Plus)
Identifier: M463P03F MC56-6 [MC55] (c)Microcom 02/03/01
Algorithm: Factory default

PROFILE:

Filter time: **11:00 Tue 18 Jan 2005 to 09:00 Thu 20 Jan 2005**
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Speed range: 0 - 100 mph.
Direction: West (bound)
Headway: All
Scheme: Scheme F99
Name: Factory default profile
Method: Vehicle classification
Units: Non-Metric (ft, mi, f/s, mph, lb, ton)
In profile: 9892 Vehicles

* Tue 18 Jan 2005 - Total=3252(incomplete) , 15 minute drops,

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
-	-	-	-	-	-	-	-	-	-	-	292	268	313	368	388	416	389	272	191	148	110	63	34	
-	-	-	-	-	-	-	-	-	-	-	76	67	86	75	93	102	113	95	51	40	33	15	9	6
-	-	-	-	-	-	-	-	-	-	-	88	66	79	105	126	93	89	56	54	41	32	24	10	6
-	-	-	-	-	-	-	-	-	-	-	68	71	68	102	100	117	94	66	37	32	25	14	10	7
-	-	-	-	-	-	-	-	-	-	-	60	64	80	86	69	104	93	55	49	35	20	10	5	7

PM PkHr 16:15 to 17:15 (n=427), PM PHF=0.91

* Wed 19 Jan 2005 - Total=5224, 15 minute drops,

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
26	13	7	17	20	77	303	525	372	291	294	292	274	299	369	391	400	387	317	199	146	110	62	33	
6	5	5	5	2	8	30	76	100	82	63	68	79	70	79	96	109	109	72	60	34	31	21	8	11
6	2	2	3	5	14	52	117	90	68	90	66	67	68	99	103	80	99	94	57	38	27	17	15	2
7	4	0	6	5	25	102	182	100	68	75	78	65	82	100	103	100	92	87	46	34	28	13	7	2
7	2	0	3	8	30	119	150	82	73	66	80	63	79	91	89	111	87	64	36	40	24	11	3	4

AM PkHr 07:15 to 08:15 (n=549), AM PHF=0.75 PM PkHr 16:30 to 17:30 (n=419), PM PHF=0.94

* Thu 20 Jan 2005 - Total=1416(incomplete) , 15 minute drops,

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
19	13	10	7	25	71	296	534	441	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11	3	1	0	2	8	37	99	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	4	2	3	9	12	59	132	103	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	2	1	1	6	22	82	157	109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	4	6	3	8	29	118	146	109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Traffic Data Service Southwest
Event Counts

Northbound

EventCount-132 -- English (ENU)

Datasets:

Site: **[01604N] Los Coches Road btwn I-8 West Bound Ramps Business Route 8**
Input A: 1 - North bound, A hit first. - Added to totals. (1)
Input B: 0 - Unused or unknown. - Excluded from totals. (0)
Survey Duration: 9:39 Tuesday, January 18, 2005 => 8:56 Friday, January 21, 2005
File: Z:\mcdata\KOA\2005\016\01604N21JAN2005.EC0 (Plus)
Identifier: A5558BK6 MC56-1 [MC55] (c)Microcom 07/06/99
Algorithm: Event Count
Data type: Axle sensors - Paired (Class, Speed, Count)

Profile:

Filter time: **11:00 Tuesday, January 18, 2005 => 9:00 Thursday, January 20, 2005**
Name: Factory default profile
Scheme: Count events divided by two.
Units: Non metric (ft, mi, ft/s, mph, lb, ton)
In profile: 18680 Events

*** Tuesday, January 18, 2005=7703 (Incomplete) , 15 minute drops**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
-	-	-	-	-	-	-	-	-	-	-	514	599	575	743	869	910	926	773	595	466	391	225	117	
-	-	-	-	-	-	-	-	-	-	-	121	138	117	176	211	240	229	188	146	131	127	70	42	19
-	-	-	-	-	-	-	-	-	-	-	151	155	141	171	208	229	229	206	149	114	92	72	31	14
-	-	-	-	-	-	-	-	-	-	-	122	148	152	203	261	236	227	206	147	92	83	46	23	16
-	-	-	-	-	-	-	-	-	-	-	120	158	165	193	189	205	241	173	153	129	89	37	21	14

PM Peak 1700 - 1800 (926), PM PHF=0.96

*** Wednesday, January 19, 2005=9592, 15 minute drops**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
63	35	25	26	33	93	285	445	393	388	437	523	568	576	683	767	742	849	796	619	502	388	246	110	
19	13	6	5	5	12	45	104	110	86	116	123	161	154	164	209	175	224	193	181	130	101	81	37	22
14	6	7	10	7	18	42	101	93	104	105	126	134	137	183	226	161	221	223	141	133	107	68	30	22
16	9	6	8	8	22	88	125	102	97	106	142	151	131	176	168	207	207	201	160	109	97	58	19	11
14	7	6	3	13	41	110	115	88	101	110	132	122	154	160	164	199	197	179	137	130	83	39	24	15

AM Peak 1145 - 1245 (578), AM PHF=0.90 PM Peak 1630 - 1730 (851), PM PHF=0.95

*** Thursday, January 20, 2005=1384 (Incomplete) , 15 minute drops**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
70	39	32	20	26	107	283	451	356	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
22	13	8	2	4	21	30	98	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	4	8	9	6	19	59	118	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	11	8	4	7	25	83	115	88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	11	8	5	9	42	111	120	89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

9592

Traffic Data Service Southwest
Event Counts

Southbound

EventCount-132 -- English (ENU)

Datasets:

Site:	**[01604S] Los Coches Road btwn I-8 West Bound Ramps Business Route 8**
Input A:	3 - South bound, A hit first. - Added to totals. (1)
Input B:	0 - Unused or unknown. - Excluded from totals. (0)
Survey Duration:	9:39 Tuesday, January 18, 2005 => 8:53 Friday, January 21, 2005
File:	Z:\mcdata\KOA\2005\016\01604S21JAN2005.EC0 (Base)
Identifier:	A56374S4 MC56-1 [MC55] (c)Microcom 07/06/99
Algorithm:	Event Count
Data type:	Axle sensors - Paired (Class, Speed, Count)

Profile:

Filter time:	**11:00 Tuesday, January 18, 2005 => 9:00 Thursday, January 20, 2005**
Name:	Factory default profile
Scheme:	Count events divided by two.
Units:	Non metric (ft, mi, ft/s, mph, lb, ton)
In profile:	19864 Events

*** Tuesday, January 18, 2005=6305 (Incomplete) , 15 minute drops**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
-	-	-	-	-	-	-	-	-	-	-	538	578	603	621	669	710	775	644	432	272	232	151	80	
-	-	-	-	-	-	-	-	-	-	-	127	136	144	161	192	179	204	206	117	73	74	59	22	7
-	-	-	-	-	-	-	-	-	-	-	130	137	152	151	154	183	178	169	123	72	55	34	22	8
-	-	-	-	-	-	-	-	-	-	-	146	143	155	150	153	180	215	143	98	67	49	29	22	9
-	-	-	-	-	-	-	-	-	-	-	135	162	152	159	170	168	178	126	94	60	54	29	14	4

PM Peak 1715 - 1815 (777), PM PHF=0.90

*** Wednesday, January 19, 2005=10479, 15 minute drops**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
28	32	21	56	126	450	805	752	699	576	550	553	591	564	652	666	736	790	674	391	303	254	144	66	
7	11	8	6	13	60	194	194	161	151	127	133	155	148	136	182	175	173	197	115	89	89	38	21	16
8	12	3	15	26	97	198	199	168	158	127	141	151	108	140	143	183	223	178	93	86	66	43	19	9
9	3	2	13	38	129	227	188	181	121	144	125	156	154	185	171	187	203	154	94	76	59	36	17	8
4	6	8	22	49	164	186	171	189	146	152	154	129	154	191	170	191	191	145	89	52	40	27	9	9

AM Peak 0630 - 0730 (806), AM PHF=0.89 PM Peak 1715 - 1815 (814), PM PHF=0.91

*** Thursday, January 20, 2005=3080 (Incomplete) , 15 minute drops**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
42	34	28	50	135	433	833	803	722	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
16	11	9	7	22	64	208	210	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	8	5	12	21	100	222	193	166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	6	8	15	39	124	215	207	197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	9	6	16	53	145	188	193	167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

10,479

Traffic Data Service Southwest
Vehicle Counts

Westbound

VehicleCount-138 -- English (ENU)

Datasets:

Site: **[01801] Business Route 8 East of Los Coches Road**
Direction: 6 - West bound A>B, East bound B>A., **Lane:** 0
Survey Duration: 10:37 Tuesday, January 18, 2005 => 9:03 Tuesday, January 25, 2005
File: Z:\mcdata\LLG\2005\018\0180125JAN2005.EC0 (Plus)
Identifier: M8251KH4 MC56-6 [MC55] (c)Microcom 02/03/01
Algorithm: Factory default
Data type: Axle sensors - Paired (Class, Speed, Count)

Profile:

Filter time: **11:00 Tuesday, January 18, 2005 => 14:00 Friday, January 21, 2005**
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Speed range: 0 - 100 mph.
Direction: West (bound)
Separation: All - (Headway)
Name: Factory default profile
Scheme: Vehicle classification (Scheme F99)
Units: Non metric (ft, mi, ft/s, mph, lb, ton)
In profile: 14206 Vehicles

*** Tuesday, January 18, 2005 - Total=2686 (Incomplete) , 15 minute drops**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
-	-	-	-	-	-	-	-	-	-	-	258	270	243	283	306	315	302	232	169	121	94	59	34	
-	-	-	-	-	-	-	-	-	-	-	64	63	76	63	63	72	87	74	41	33	27	15	8	4
-	-	-	-	-	-	-	-	-	-	-	75	67	62	73	91	74	66	53	55	33	28	15	12	7
-	-	-	-	-	-	-	-	-	-	-	67	72	51	69	77	73	80	43	34	29	25	14	8	5
-	-	-	-	-	-	-	-	-	-	-	52	68	54	78	75	96	69	62	39	26	14	15	6	7

PM Peak 1615 - 1715 (330), PM PHF=0.86

*** Wednesday, January 19, 2005 - Total=4495, 15 minute drops**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
23	16	7	18	45	165	332	408	303	283	244	237	237	268	293	276	308	292	258	179	123	95	56	29	
4	5	3	4	9	23	60	76	73	79	60	55	52	60	77	74	84	71	78	51	39	34	16	11	4
7	4	0	5	11	30	75	101	76	72	76	56	58	73	59	65	62	73	69	46	33	24	18	4	4
5	3	3	3	10	43	103	126	82	68	62	66	65	61	87	76	90	85	65	34	27	22	13	4	3
7	4	1	6	15	69	94	105	72	64	46	60	62	74	70	61	72	63	46	48	24	15	9	10	5

AM Peak 0700 - 0800 (408), AM PHF=0.81 PM Peak 1600 - 1700 (308), PM PHF=0.86

*** Thursday, January 20, 2005 - Total=4373, 15 minute drops**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
16	16	15	14	55	141	329	394	328	230	241	245	254	254	276	285	280	329	233	171	113	79	44	31	
4	6	3	0	7	19	69	85	86	57	55	62	66	58	70	77	63	78	57	39	31	29	17	9	2
4	5	2	5	12	29	87	87	89	55	68	60	62	68	71	75	85	102	67	43	24	11	6	7	4
3	2	5	4	20	42	76	113	83	53	61	64	63	72	76	64	68	83	52	38	27	16	13	8	6
5	3	5	5	16	51	97	109	70	65	57	59	63	56	59	69	64	66	57	51	31	23	8	7	7

AM Peak 0730 - 0830 (397), AM PHF=0.88 PM Peak 1700 - 1800 (329), PM PHF=0.81

*** Friday, January 21, 2005 - Total=2652 (Incomplete) , 15 minute drops**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
19	16	12	15	53	131	298	400	326	302	277	261	275	267	-	-	-	-	-	-	-	-	-	-	
2	2	2	0	8	18	53	80	85	79	69	56	68	65	-	-	-	-	-	-	-	-	-	-	-
4	4	3	4	15	23	76	114	100	78	74	59	81	84	-	-	-	-	-	-	-	-	-	-	-
6	7	5	4	8	39	97	100	81	67	69	88	54	57	-	-	-	-	-	-	-	-	-	-	-
7	3	2	7	22	51	72	106	60	78	65	58	72	61	-	-	-	-	-	-	-	-	-	-	-

AM Peak 0715 - 0815 (405), AM PHF=0.89

4434

Traffic Data Service Southwest
Vehicle Counts

Eastbound

VehicleCount-138 -- English (ENU)

Datasets:

Site: **[01801] Business Route 8 East of Los Coches Road**
Direction: 6 - West bound A>B, East bound B>A., **Lane:** 0
Survey Duration: 10:37 Tuesday, January 18, 2005 => 9:03 Tuesday, January 25, 2005
File: Z:\mcdata\LLG\2005\018\0180125JAN2005.EC0 (Plus)
Identifier: M8251KH4 MC56-6 [MC55] (c)Microcom 02/03/01
Algorithm: Factory default
Data type: Axle sensors - Paired (Class, Speed, Count)

Profile:

Filter time: **11:00 Tuesday, January 18, 2005 => 14:00 Friday, January 21, 2005**
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
Speed range: 0 - 100 mph.
Direction: East (bound)
Separation: All - (Headway)
Name: Factory default profile
Scheme: Vehicle classification (Scheme F99)
Units: Non metric (ft, mi, ft/s, mph, lb, ton)
In profile: 16453 Vehicles

*** Tuesday, January 18, 2005 - Total=4092 (Incomplete) , 15 minute drops**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
-	-	-	-	-	-	-	-	-	-	-	283	342	309	339	522	511	601	399	255	212	157	103	59	
-	-	-	-	-	-	-	-	-	-	-	64	80	66	86	135	123	157	103	64	62	42	33	19	11
-	-	-	-	-	-	-	-	-	-	-	66	75	77	76	102	131	167	117	71	56	42	26	14	4
-	-	-	-	-	-	-	-	-	-	-	72	101	75	86	141	118	132	87	64	37	33	22	14	2
-	-	-	-	-	-	-	-	-	-	-	81	86	91	91	144	139	145	92	56	57	40	22	12	7

PM Peak 1700 - 1800 (601), PM PHF=0.90

*** Wednesday, January 19, 2005 - Total=5145, 15 minute drops**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
24	11	13	11	15	62	142	190	219	203	217	262	292	317	381	439	545	554	395	291	221	185	104	52	
11	2	3	6	4	5	22	37	52	54	65	56	75	89	92	111	111	162	109	82	57	50	34	20	10
4	2	4	2	2	13	34	48	50	45	51	65	68	83	90	102	131	139	118	77	58	43	32	10	10
2	5	1	3	2	18	25	61	55	45	51	75	69	66	94	95	154	128	103	68	58	53	17	12	14
7	2	5	0	7	26	61	44	62	59	50	66	80	79	105	131	149	125	65	64	48	39	21	10	7

AM Peak 1130 - 1230 (284), AM PHF=0.95 PM Peak 1630 - 1730 (604), PM PHF=0.93

*** Thursday, January 20, 2005 - Total=5100, 15 minute drops**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
41	25	17	7	17	51	147	204	188	180	229	256	313	317	352	492	545	508	421	277	186	176	102	49	
10	6	7	1	3	10	29	36	44	38	57	59	75	74	79	113	126	126	138	66	61	52	34	19	7
10	7	4	1	4	8	31	48	57	49	52	65	66	70	84	127	131	153	98	71	45	45	27	10	7
14	3	4	3	5	12	39	67	47	37	61	61	93	92	76	118	143	117	95	67	37	45	20	10	10
7	9	2	2	5	21	48	53	40	56	59	71	79	81	113	134	145	112	90	73	43	34	21	10	6

AM Peak 1145 - 1245 (305), AM PHF=0.82 PM Peak 1630 - 1730 (567), PM PHF=0.93

*** Friday, January 21, 2005 - Total=2116 (Incomplete) , 15 minute drops**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
30	14	10	10	11	60	152	214	221	216	232	273	328	345	-	-	-	-	-	-	-	-	-	-	
7	2	5	3	0	9	36	50	51	39	46	62	72	78	-	-	-	-	-	-	-	-	-	-	-
7	4	3	1	6	11	31	60	52	57	57	66	84	87	-	-	-	-	-	-	-	-	-	-	-
10	2	1	2	2	17	30	54	57	54	59	62	92	84	-	-	-	-	-	-	-	-	-	-	-
6	6	1	4	3	23	55	50	61	66	70	83	80	96	-	-	-	-	-	-	-	-	-	-	-

AM Peak 1145 - 1245 (331), AM PHF=0.90

5/23

MetroCount Traffic Executive
Event Counts

Southbound

EventCount-32

DATASETS:

Site:	**[07602S] Los Coches Rd South of Wellington Hill Dr**
ChannelA:	3 - South bound. - Added to totals. (1)
ChannelB:	0 - Unused or unknown. - Excluded from totals. (0)
Survey Duration:	07:52 Mon 21 Mar 2005 to 12:33 Thu 24 Mar 2005
File:	Z:\mcdata\LLG\2005\076\07602S24MAR2005.EC0 (Plus)
Identifier:	M291CDQS MC56-6 [MC55] (c)Microcom 02/03/01
Algorithm:	Event count

PROFILE:

Filter time:	**08:00 Mon 21 Mar 2005 to 06:00 Thu 24 Mar 2005**
Name:	Factory default profile
Method:	Count axles divided by two.
Units:	Non-Metric (ft, mi, f/s, mph, lb, ton)
In profile:	18377 Events

*** Mon 21 Mar 2005 - Total=5369(incomplete) , 15 minute drops,**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
-	-	-	-	-	-	-	-	376	315	359	373	347	352	398	507	531	555	447	303	186	158	107	55	
-	-	-	-	-	-	-	-	86	76	100	95	95	94	83	104	149	137	130	93	53	56	36	15	5
-	-	-	-	-	-	-	-	100	78	80	92	85	89	88	116	140	140	114	90	50	31	28	13	7
-	-	-	-	-	-	-	-	90	86	81	109	88	76	108	132	127	142	106	68	46	48	20	10	11
-	-	-	-	-	-	-	-	100	75	98	77	79	93	119	155	115	136	97	52	37	23	23	17	8

PM PkHr 15:30 to 16:30 (n=576), PM PHF=0.93

*** Tue 22 Mar 2005 - Total=6385, 15 minute drops,**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
31	22	15	15	47	157	374	384	367	340	352	423	345	354	361	438	571	526	466	319	182	157	83	56	
5	7	0	2	7	25	66	84	96	86	69	98	100	92	91	97	127	148	147	111	59	51	23	15	13
7	5	2	2	6	38	121	101	93	70	102	105	74	73	89	81	134	130	130	64	40	32	31	16	10
11	4	7	6	15	44	100	100	97	100	100	113	88	94	72	117	152	136	103	78	43	39	17	14	4
8	6	6	5	19	50	87	99	81	84	81	107	83	95	109	143	158	112	86	66	40	35	12	11	9

AM PkHr 11:15 to 12:15 (n=425), AM PHF=0.94 PM PkHr 16:15 to 17:15 (n=592), PM PHF=0.94

*** Wed 23 Mar 2005 - Total=6315, 15 minute drops,**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
36	14	12	22	49	162	387	388	363	340	341	307	388	346	388	438	529	560	449	290	192	154	112	48	
13	3	2	3	4	24	73	91	87	79	85	70	104	86	81	94	122	139	134	76	47	45	37	15	12
10	1	5	2	12	37	107	87	91	85	84	97	95	70	105	107	138	126	123	74	51	36	32	16	16
4	8	2	5	11	51	101	119	91	88	83	78	89	100	103	113	134	148	98	72	55	33	22	9	7
9	2	3	12	22	50	106	91	94	88	89	62	100	90	99	124	135	147	94	68	39	40	21	8	7

AM PkHr 06:15 to 07:15 (n=405), AM PHF=0.95 PM PkHr 17:00 to 18:00 (n=560), PM PHF=0.95

*** Thu 24 Mar 2005 - Total=308(incomplete) , 15 minute drops,**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
42	16	17	21	48	164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
12	3	6	2	6	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	7	3	4	4	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	4	4	5	20	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	2	4	10	18	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

MetroCount Traffic Executive
Event Counts

Northbound

EventCount-32

DATASETS:

Site:	**[07602N] Los Coches Rd South ofWellington Hill Dr**
ChannelA:	1 - North bound. - Added to totals. (1)
ChannelB:	0 - Unused or unknown. - Excluded from totals. (0)
Survey Duration:	07:46 Mon 21 Mar 2005 to 12:37 Thu 24 Mar 2005
File:	Z:\mcdata\LLG\2005\076\07602N24MAR2005.EC0 (Base)
Identifier:	A554FJK9 MC56-1 [MC55] (c)Microcom 07/06/99
Algorithm:	Event count

PROFILE:

Filter time:	**08:00 Mon 21 Mar 2005 to 06:00 Thu 24 Mar 2005**
Name:	Factory default profile
Method:	Count axles divided by two.
Units:	Non-Metric (ft, mi, f/s, mph, lb, ton)
In profile:	16737 Events

*** Mon 21 Mar 2005 - Total=4933(incomplete) , 15 minute drops,**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
-	-	-	-	-	-	-	-	284	271	327	335	362	349	382	452	452	494	407	255	230	166	95	72	
-	-	-	-	-	-	-	-	89	52	86	96	86	89	89	105	109	118	105	76	58	43	28	16	5
-	-	-	-	-	-	-	-	67	64	80	84	96	85	103	112	108	145	100	60	66	53	23	21	11
-	-	-	-	-	-	-	-	65	78	68	67	86	81	96	111	106	112	110	57	56	33	28	21	8
-	-	-	-	-	-	-	-	63	77	93	88	94	94	94	124	129	119	92	62	50	37	16	14	6

PM PkHr 16:45 to 17:45 (n=504), PM PHF=0.87

*** Tue 22 Mar 2005 - Total=5730, 15 minute drops,**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
30	26	11	12	29	134	315	309	271	315	315	313	334	336	363	395	451	497	379	301	236	192	92	74	
5	11	5	5	2	14	56	75	70	75	80	84	85	81	86	93	105	117	111	85	60	60	30	15	14
11	6	0	3	8	28	77	74	65	73	74	84	76	89	86	93	126	132	110	71	71	43	19	15	7
8	6	3	3	6	36	82	80	72	87	79	81	85	85	86	101	107	135	89	71	54	38	24	20	6
6	3	3	1	13	56	100	80	64	80	82	64	88	81	105	108	113	113	69	74	51	51	19	24	10

AM PkHr 06:15 to 07:15 (n=334), AM PHF=0.83 PM PkHr 16:45 to 17:45 (n=497), PM PHF=0.92

*** Wed 23 Mar 2005 - Total=5830, 15 minute drops,**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
37	27	15	18	37	120	301	335	279	260	271	351	331	370	383	431	440	485	417	295	238	192	125	72	
14	8	5	7	8	16	54	71	74	64	62	99	70	86	106	98	91	114	108	96	74	48	42	19	15
7	5	3	4	8	21	59	81	85	50	69	77	97	87	80	110	112	136	101	65	56	62	30	22	14
6	8	4	3	8	33	97	93	63	73	70	94	89	100	101	112	126	127	106	75	56	45	34	16	11
10	6	3	4	13	50	91	90	57	73	70	81	75	97	96	111	111	108	102	59	52	37	19	15	11

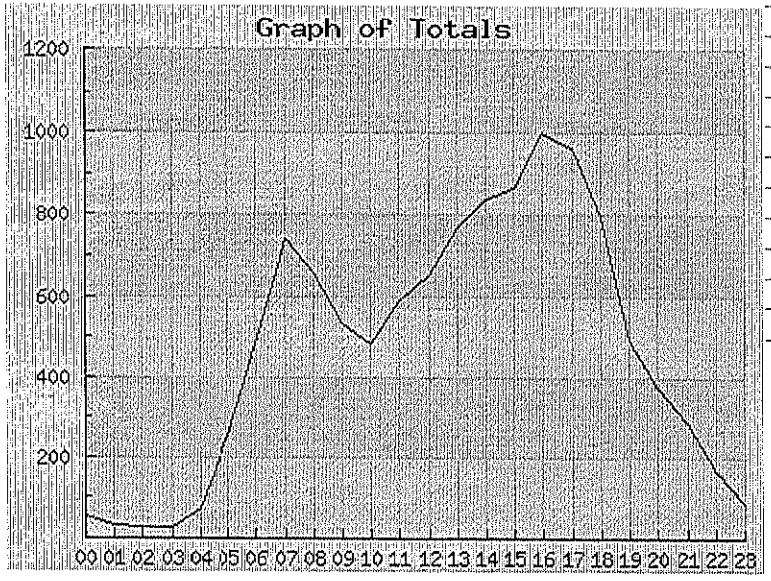
AM PkHr 11:00 to 12:00 (n=351), AM PHF=0.89 PM PkHr 16:45 to 17:45 (n=488), PM PHF=0.90

*** Thu 24 Mar 2005 - Total=243(incomplete) , 15 minute drops,**

0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
51	21	15	18	27	111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15	8	3	7	1	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	9	5	2	8	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	2	6	6	6	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	2	1	3	12	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Daily Vehicle Volume Report

Location:
Los Coches Rd btwn Julian Ave and Maine Ave
File Number: 53501a
Counter ID: 9317
Report Duration:
Wednesday Feb 01, 2006 - 00:00 to
Wednesday Feb 01, 2006 - 23:59
Other Notes:
None at this time.



Time	North Bound Volume	South Bound Volume	Total Volume
00:00 - 00:59	26	28	54
01:00 - 01:59	17	15	32
02:00 - 02:59	8	21	29
03:00 - 03:59	16	10	26
04:00 - 04:59	56	16	72
05:00 - 05:59	201	52	253
06:00 - 06:59	346	137	483
07:00 - 07:59	484	256	740
08:00 - 08:59	389	267	656
09:00 - 09:59	304	231	535
10:00 - 10:59	252	232	484
11:00 - 11:59	287	302	589
12:00 - 12:59	314	339	653
13:00 - 13:59	371	399	770
14:00 - 14:59	405	435	840
15:00 - 15:59	370	495	865
16:00 - 16:59	387	615	1002
17:00 - 17:59	351	614	965
18:00 - 18:59	344	454	798
19:00 - 19:59	210	283	493
20:00 - 20:59	168	208	376
21:00 - 21:59	116	169	285
22:00 - 22:59	80	89	169
23:00 - 23:59	37	50	87
Total	**5539**	**5717**	**11256**
AM Peak Hour	7:00 7:59	11:00 11:59	7:15 8:14
Volume	484	302	768
PM Peak Hour	13:30 14:29	16:30 17:29	16:30 17:29
Volume	410	648	1007

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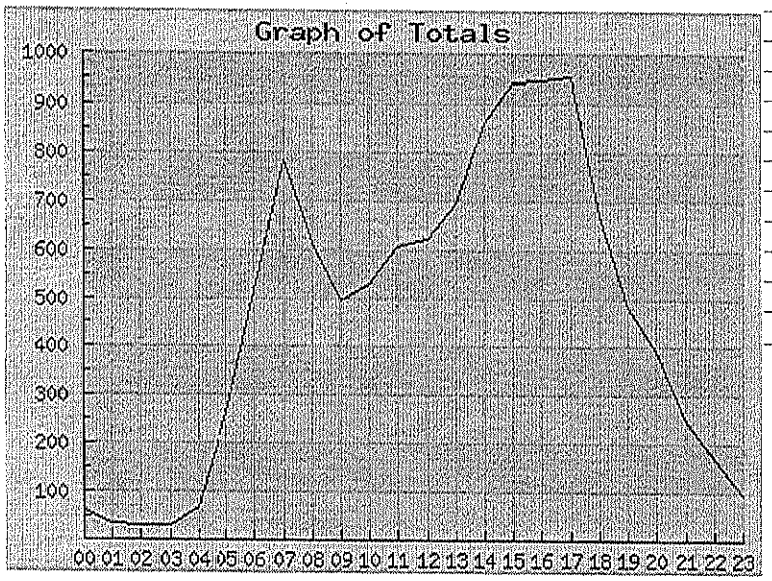
Daily Vehicle Volume Report

Location:
Los Coches Rd btwn Julian Ave and Maine Ave
File Number: 53501b
Counter ID: 9317
Report Duration:
Thursday Feb 02, 2006 - 00:00 to
Thursday Feb 02, 2006 - 23:59
Other Notes:
None at this time.



Time	North Bound Volume	South Bound Volume	Total Volume
00:00 - 00:59	29	33	62
01:00 - 01:59	16	17	33
02:00 - 02:59	8	22	30
03:00 - 03:59	18	11	29
04:00 - 04:59	54	14	68
05:00 - 05:59	214	47	261
06:00 - 06:59	366	149	515
07:00 - 07:59	497	288	785
08:00 - 08:59	367	248	615
09:00 - 09:59	268	228	496
10:00 - 10:59	260	268	528
11:00 - 11:59	319	289	608
12:00 - 12:59	278	345	623
13:00 - 13:59	315	380	695
14:00 - 14:59	417	445	862
15:00 - 15:59	383	558	941
16:00 - 16:59	375	570	945
17:00 - 17:59	377	575	952
18:00 - 18:59	296	374	670
19:00 - 19:59	211	271	482
20:00 - 20:59	174	220	394
21:00 - 21:59	109	138	247
22:00 - 22:59	72	96	168
23:00 - 23:59	43	53	96
Total	**5466**	**5639**	**11105**
AM Peak Hour	7:00 7:59	11:00 11:59	7:00 7:59
Volume	497	289	785
PM Peak Hour	14:00 14:59	15:45 16:44	15:45 16:44
Volume	417	606	1003

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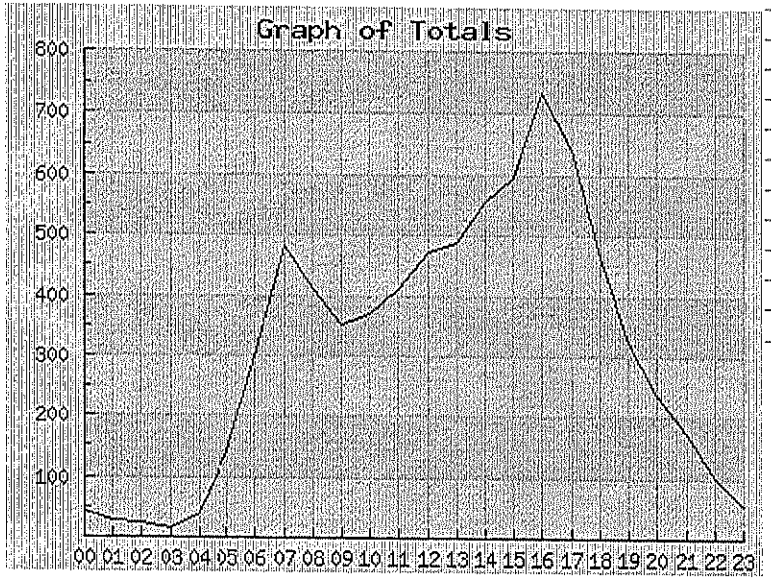
Daily Vehicle Volume Report

Location:
Maine Ave n/o Woodside Ave
File Number: 53503a
Counter ID: 9319
Report Duration:
Wednesday Feb 01, 2006 - 00:00 to
Wednesday Feb 01, 2006 - 23:59
Other Notes:
None at this time.



Time	North Bound Volume	South Bound Volume	Total Volume
00:00 - 00:59	23	20	43
01:00 - 01:59	15	14	29
02:00 - 02:59	11	13	24
03:00 - 03:59	11	5	16
04:00 - 04:59	32	8	40
05:00 - 05:59	112	31	143
06:00 - 06:59	196	103	299
07:00 - 07:59	292	190	482
08:00 - 08:59	237	173	410
09:00 - 09:59	205	146	351
10:00 - 10:59	211	159	370
11:00 - 11:59	219	191	410
12:00 - 12:59	252	222	474
13:00 - 13:59	259	229	488
14:00 - 14:59	288	268	556
15:00 - 15:59	308	289	597
16:00 - 16:59	378	357	735
17:00 - 17:59	332	312	644
18:00 - 18:59	245	221	466
19:00 - 19:59	182	141	323
20:00 - 20:59	118	119	237
21:00 - 21:59	85	89	174
22:00 - 22:59	48	54	102
23:00 - 23:59	29	28	57
Total	**4088**	**3382**	**7470**
AM Peak Hour	7:15 8:14	7:15 8:14	7:15 8:14
Volume	301	205	506
PM Peak Hour	16:00 16:59	16:00 16:59	16:00 16:59
Volume	378	357	735

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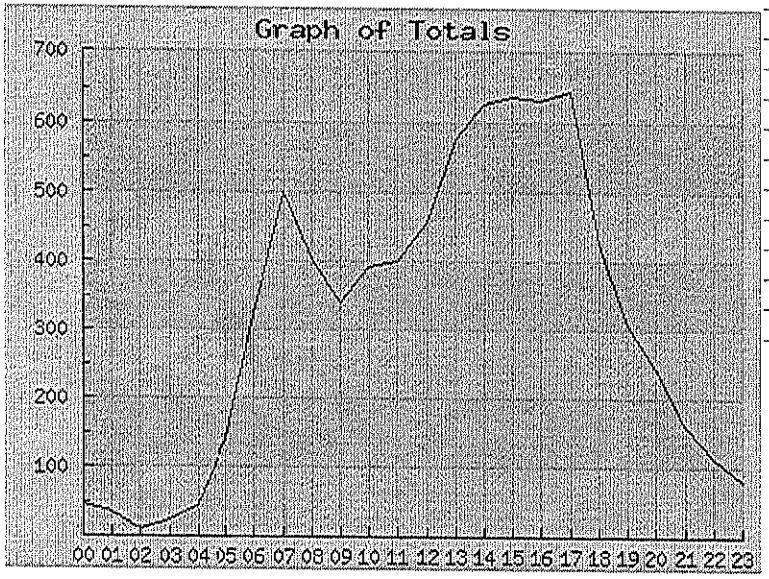
Daily Vehicle Volume Report

Location:
Maine Ave n/o Woodside Ave
File Number: 53503b
Counter ID: 9319
Report Duration:
Thursday Feb 02, 2006 - 00:00 to
Thursday Feb 02, 2006 - 23:59
Other Notes:
None at this time.



Time	North Bound Volume	South Bound Volume	Total Volume
00:00 - 00:59	26	21	47
01:00 - 01:59	18	16	34
02:00 - 02:59	4	7	11
03:00 - 03:59	15	10	25
04:00 - 04:59	34	12	46
05:00 - 05:59	105	35	140
06:00 - 06:59	221	101	322
07:00 - 07:59	279	220	499
08:00 - 08:59	237	165	402
09:00 - 09:59	199	141	340
10:00 - 10:59	189	202	391
11:00 - 11:59	228	173	401
12:00 - 12:59	250	207	457
13:00 - 13:59	309	268	577
14:00 - 14:59	302	325	627
15:00 - 15:59	318	319	637
16:00 - 16:59	332	300	632
17:00 - 17:59	358	289	647
18:00 - 18:59	229	197	426
19:00 - 19:59	165	142	307
20:00 - 20:59	120	122	242
21:00 - 21:59	95	64	159
22:00 - 22:59	67	46	113
23:00 - 23:59	44	38	82
Total	**4144**	**3420**	**7564**
AM Peak Hour	7:00	7:15	7:00
	7:59	8:14	7:59
Volume	279	227	499
PM Peak Hour	17:00	14:30	16:30
	17:59	15:29	17:29
Volume	358	335	666

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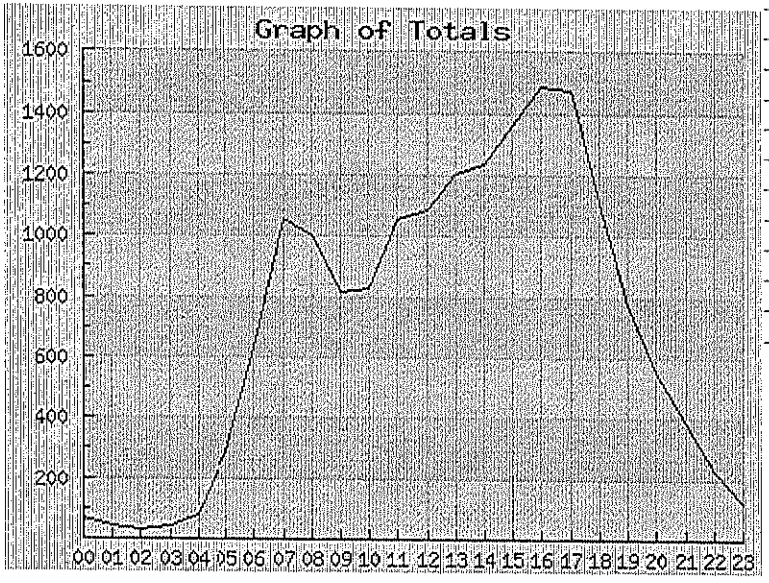
Daily Vehicle Volume Report

Location:
Woodside Ave w/o Los Coches Road
File Number: 53504a
Counter ID: 6370
Report Duration:
Wednesday Feb 01, 2006 - 00:00 to
Wednesday Feb 01, 2006 - 23:59
Other Notes:
None at this time.



Time	East Bound Volume	West Bound Volume	Total Volume
00:00 - 00:59	40	29	69
01:00 - 01:59	27	19	46
02:00 - 02:59	22	9	31
03:00 - 03:59	27	18	45
04:00 - 04:59	37	42	79
05:00 - 05:59	136	155	291
06:00 - 06:59	326	302	628
07:00 - 07:59	559	496	1055
08:00 - 08:59	565	434	999
09:00 - 09:59	484	331	815
10:00 - 10:59	502	324	826
11:00 - 11:59	613	444	1057
12:00 - 12:59	657	430	1087
13:00 - 13:59	733	470	1203
14:00 - 14:59	754	479	1233
15:00 - 15:59	852	513	1365
16:00 - 16:59	935	563	1498
17:00 - 17:59	970	510	1480
18:00 - 18:59	748	364	1112
19:00 - 19:59	513	267	780
20:00 - 20:59	343	214	557
21:00 - 21:59	254	134	388
22:00 - 22:59	138	92	230
23:00 - 23:59	84	40	124
Total	**10319**	**6679**	**16998**
AM Peak Hour	11:00 11:59	7:00 7:59	7:15 8:14
Volume	613	496	1089
PM Peak Hour	16:45 17:44	16:00 16:59	16:15 17:14
Volume	972	563	1500

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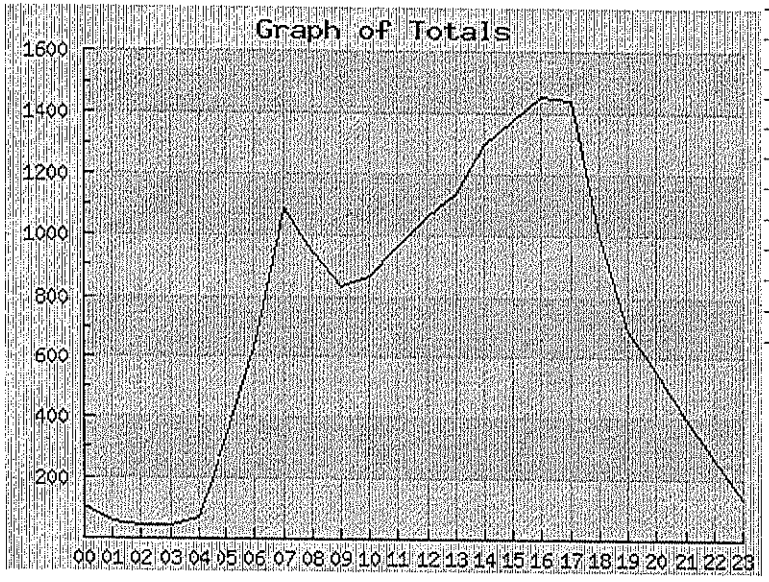
Daily Vehicle Volume Report

Location:
Woodside Ave w/o Los Coches Road
File Number: 53504b
Counter ID: 6370
Report Duration:
Thursday Feb 02, 2006 - 00:00 to
Thursday Feb 02, 2006 - 23:59
Other Notes:
None at this time.



Time	East Bound Volume	West Bound Volume	Total Volume
00:00 - 00:59	68	39	107
01:00 - 01:59	28	27	55
02:00 - 02:59	30	14	44
03:00 - 03:59	24	19	43
04:00 - 04:59	32	38	70
05:00 - 05:59	146	186	332
06:00 - 06:59	328	303	631
07:00 - 07:59	586	502	1088
08:00 - 08:59	533	412	945
09:00 - 09:59	501	332	833
10:00 - 10:59	515	348	863
11:00 - 11:59	591	374	965
12:00 - 12:59	664	398	1062
13:00 - 13:59	727	410	1137
14:00 - 14:59	794	503	1297
15:00 - 15:59	862	516	1378
16:00 - 16:59	959	497	1456
17:00 - 17:59	942	506	1448
18:00 - 18:59	644	359	1003
19:00 - 19:59	463	231	694
20:00 - 20:59	353	201	554
21:00 - 21:59	270	134	404
22:00 - 22:59	184	79	263
23:00 - 23:59	92	45	137
Total	**10336**	**6473**	**16809**
AM Peak Hour	7:15 8:14	7:15 8:14	7:15 8:14
Volume	605	507	1112
PM Peak Hour	16:15 17:14	15:30 16:29	16:15 17:14
Volume	975	538	1472

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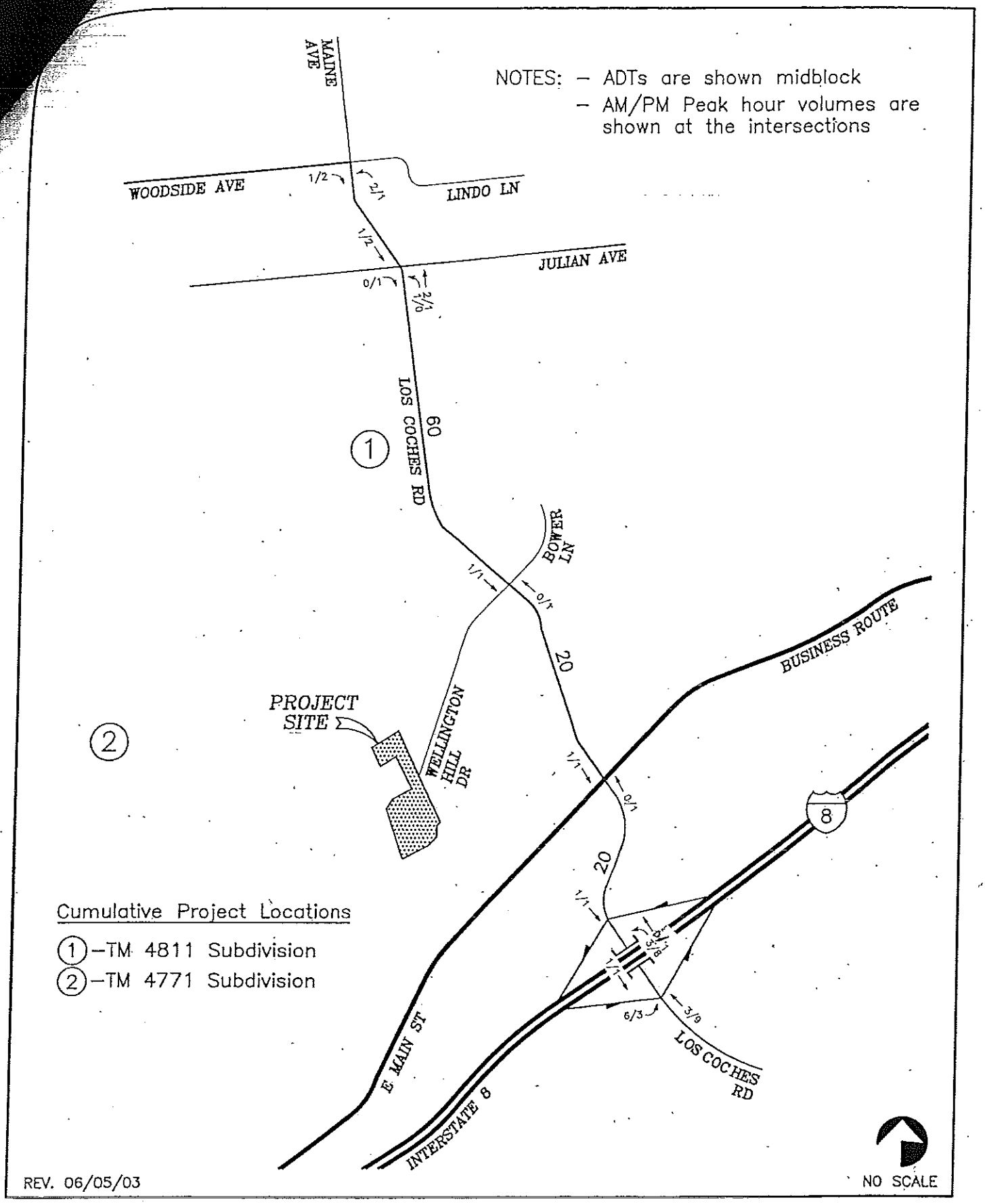
APPENDIX B

Cumulative Project Traffic Data



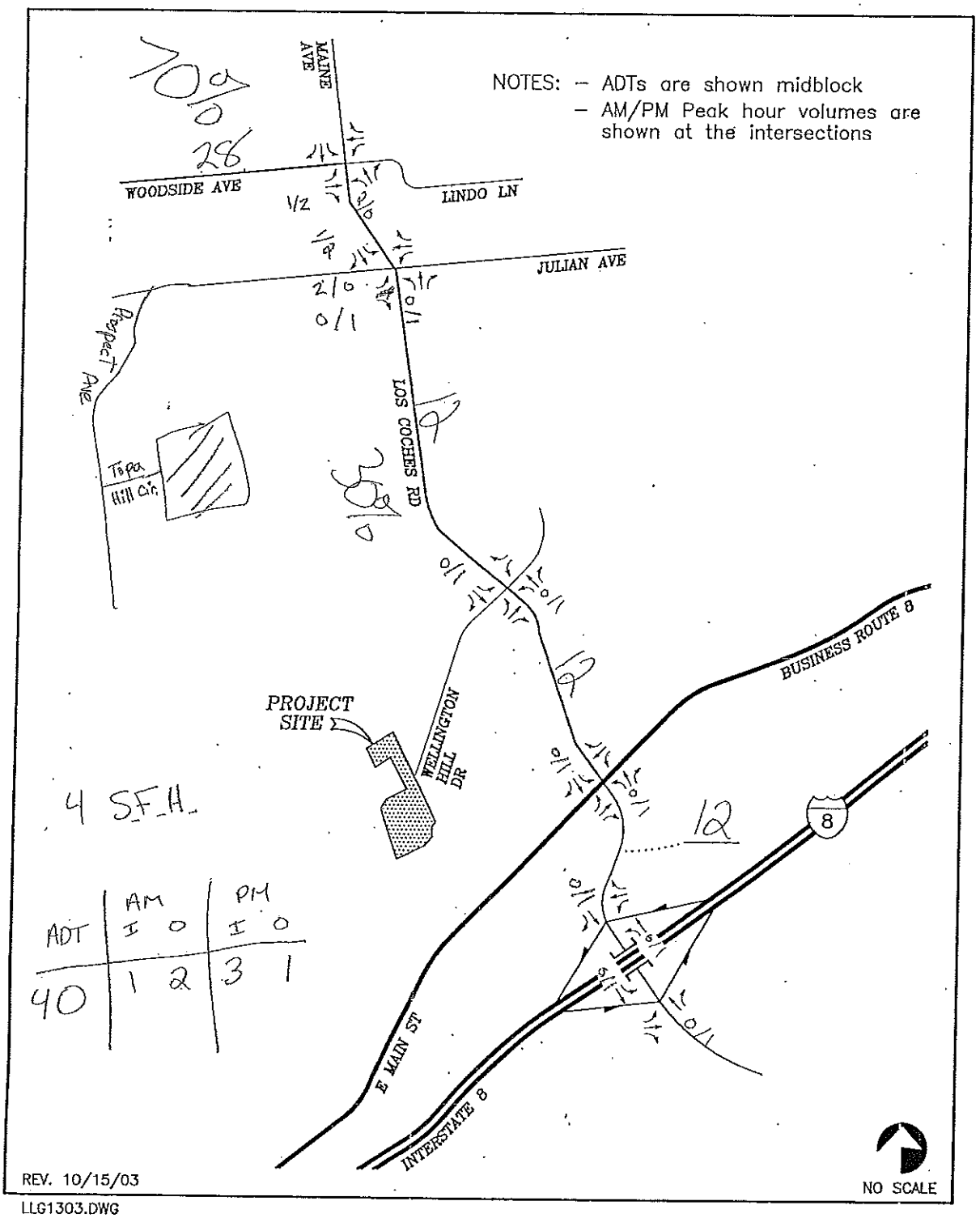
LLG1303.DWG

Figure 9

CUMULATIVE PROJECTS TRAFFIC VOLUMES
AM/PM PEAK HOURS & ADTs

LINSCOTT LAW & GREENSPAN ENGINEERS

TM 5306 SUBDIVISION



LLG1303.DWG

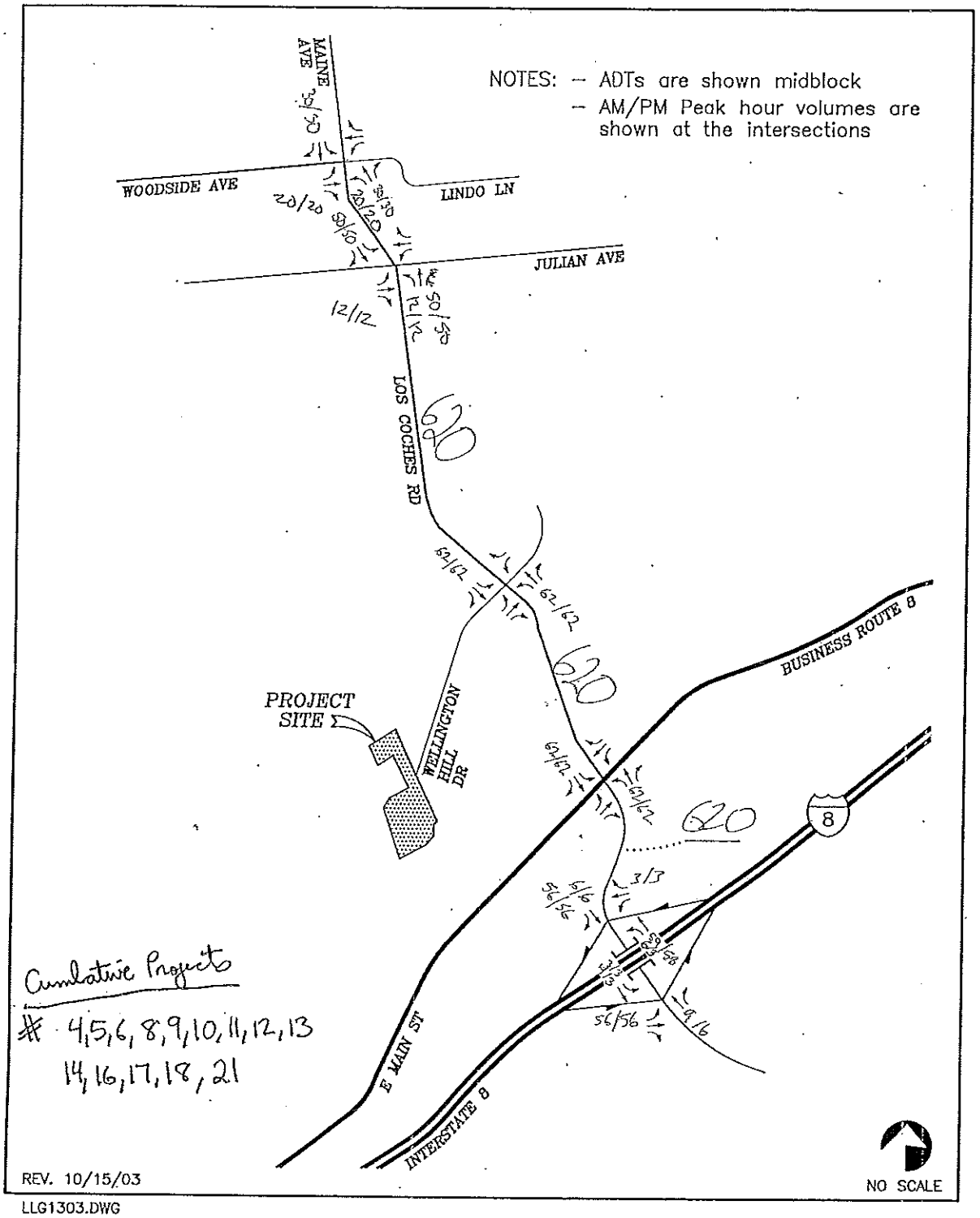
Team TMP

Figure A

CUMULATIVE PROJECT #3 TRAFFIC VOLUMES
AM/PM PEAK HOURS & ADTs

TM 5306 SUBDIVISION

LINSCOTT LAW & GREENSPAN
ENGINEERS



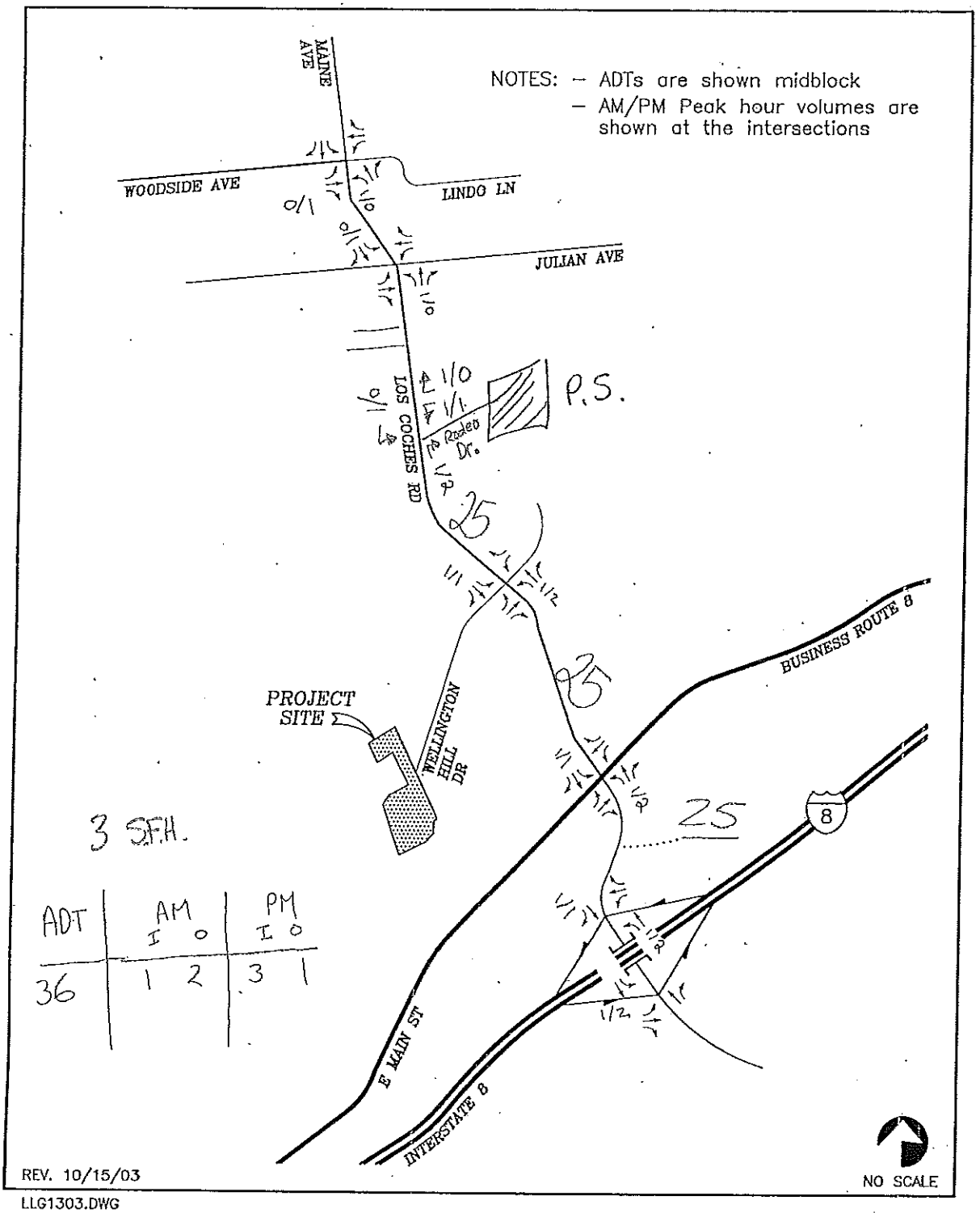
LLG1303.DWG

LINSCOTT LAW & GREENSPAN ENGINEERS

Figure A

CUMULATIVE PROJECT # A TRAFFIC VOLUMES
AM/PM PEAK HOURS & ADTs

TM 5306 SUBDIVISION



LLG1303.DWG

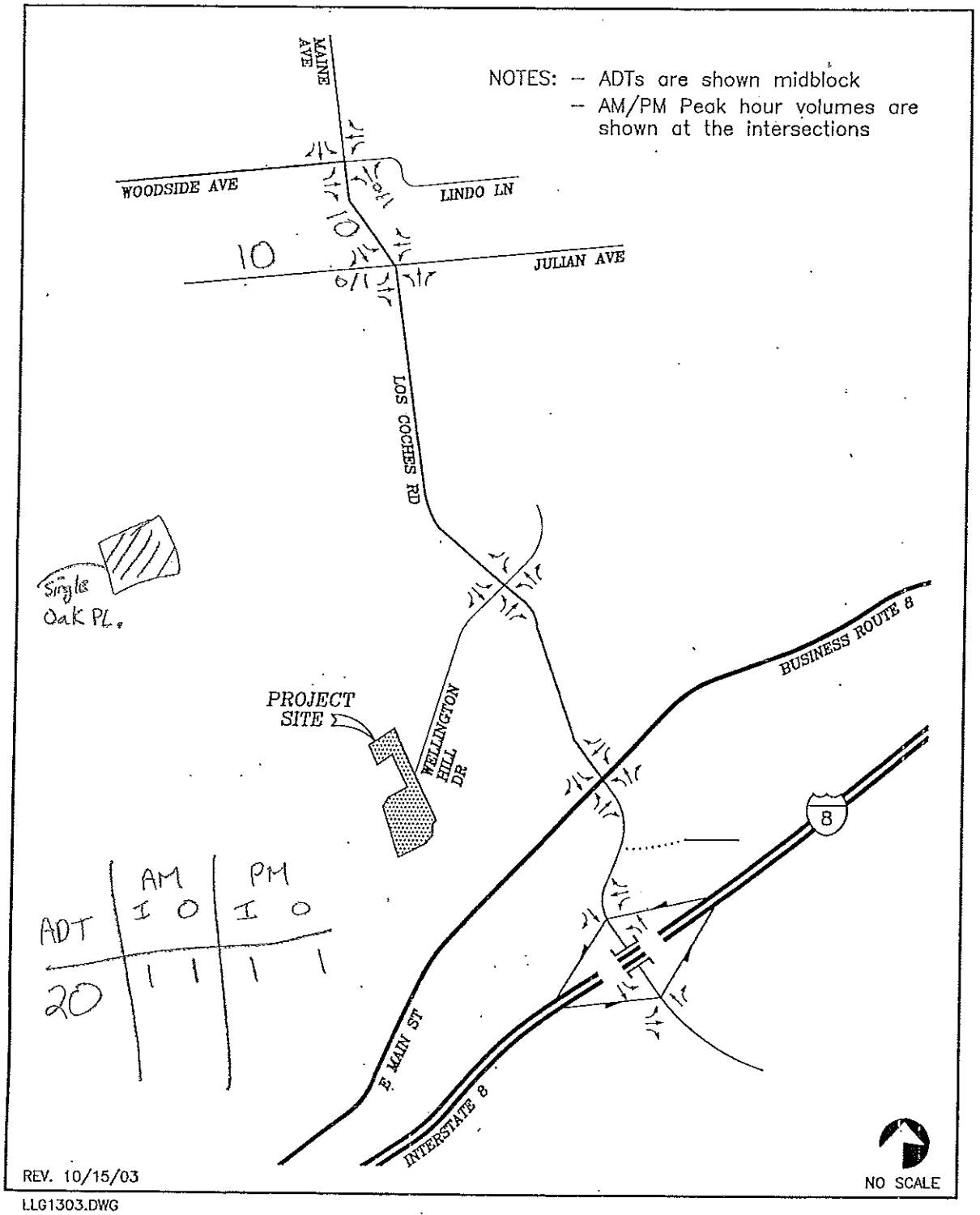
Figure A

LINSCOTT LAW & GREENSPAN ENGINEERS

Bridal Run TPM

CUMULATIVE PROJECT # 7 TRAFFIC VOLUMES
AM/PM PEAK HOURS & ADTs

TM 5306 SUBDIVISION



LLG1303.DWG

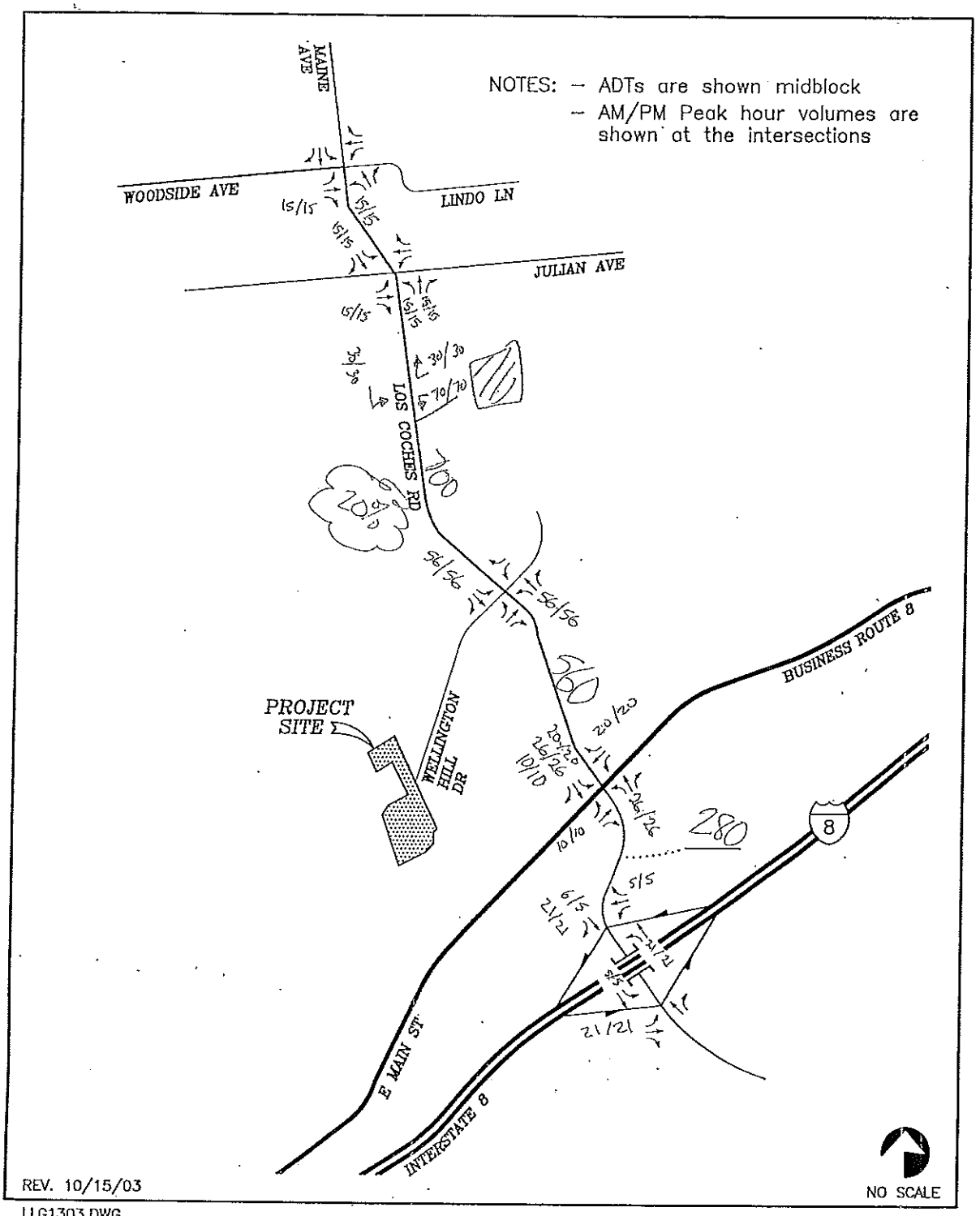
LINSCOTT LAW & GREENSPAN ENGINEERS

Parnell TPM

Figure A

CUMULATIVE PROJECT # 15 TRAFFIC VOLUMES
AM/PM PEAK HOURS & ADTs

TM 5306 SUBDIVISION



LLG1303.DWG

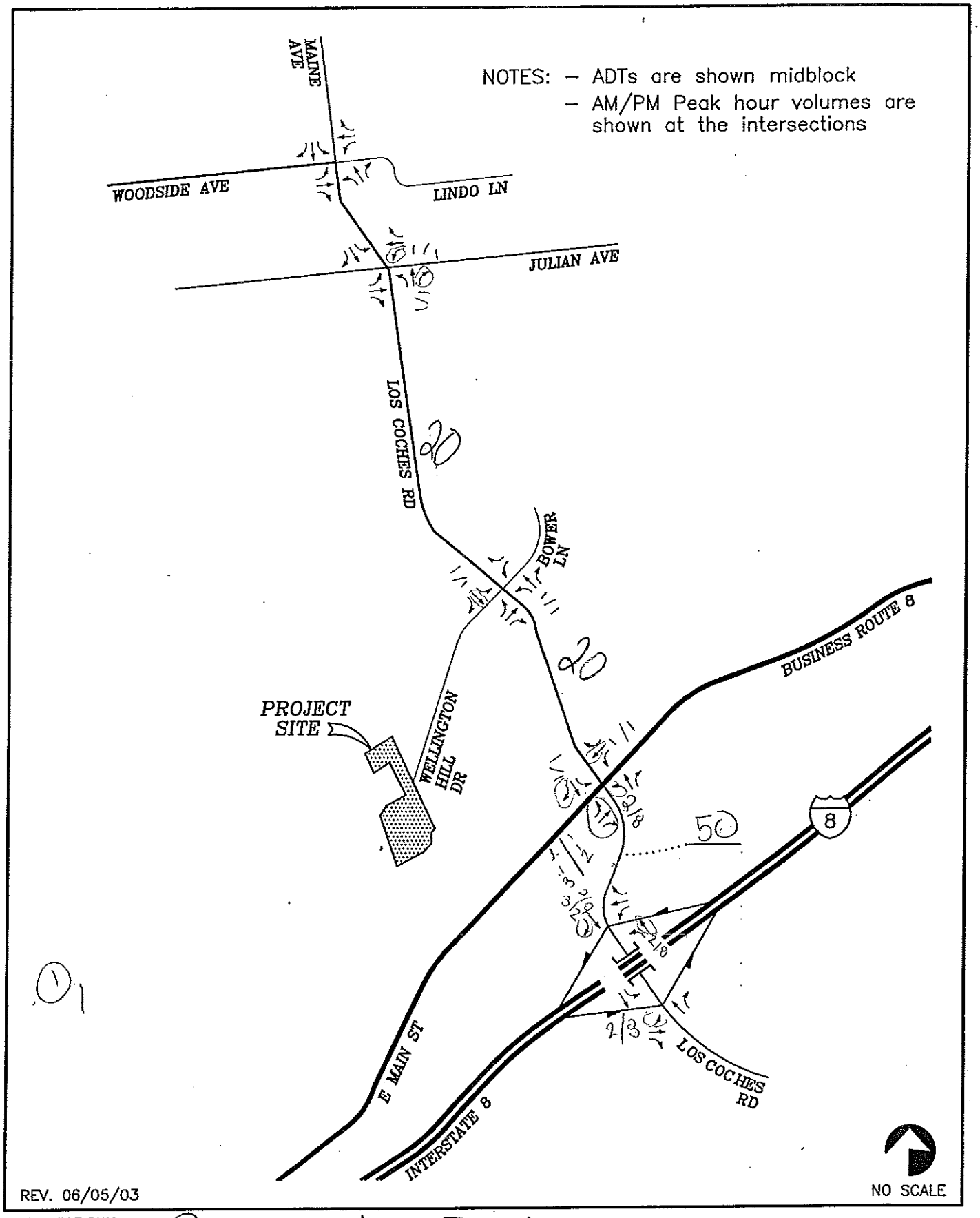
LINSCOTT LAW & GREENSPAN ENGINEERS

Lakeside Community Church

Figure A

CUMULATIVE PROJECT # 20 TRAFFIC VOLUMES
AM/PM PEAK HOURS & ADTs

TM 5306 SUBDIVISION



LLG1303.DWG

Larissa Chan Family Trust

	IN	OUT
AM	4	8
PM	11	5

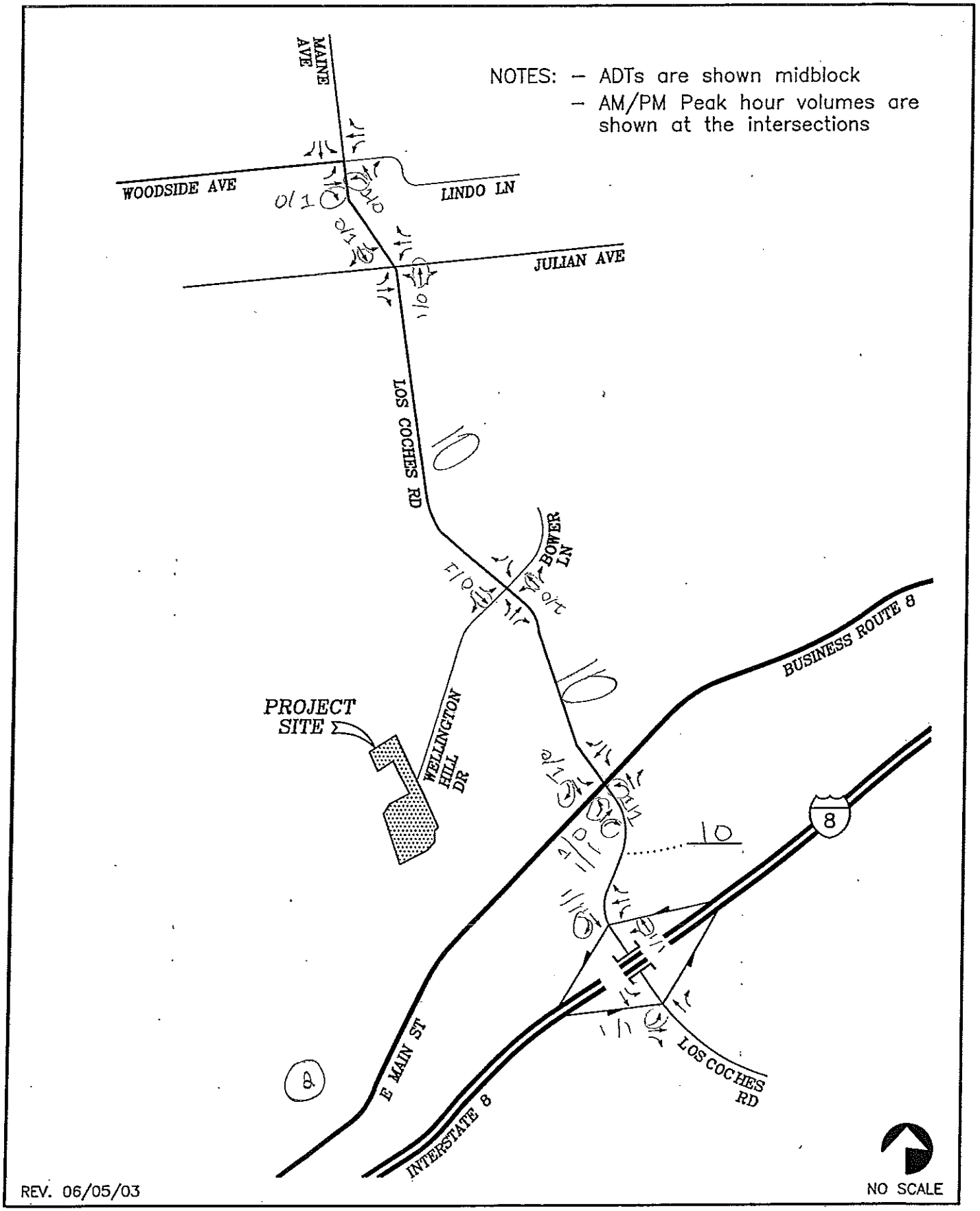
ADT = 150

Figure

CUMULATIVE PROJECT TRAFFIC VOLUMES
AM/PM PEAK HOURS & ADTs

TM 5306 SUBDIVISION

LINSCOTT LAW & GREENSPAN
ENGINEERS



LLG1303.DWG

TPM 20305

Figure

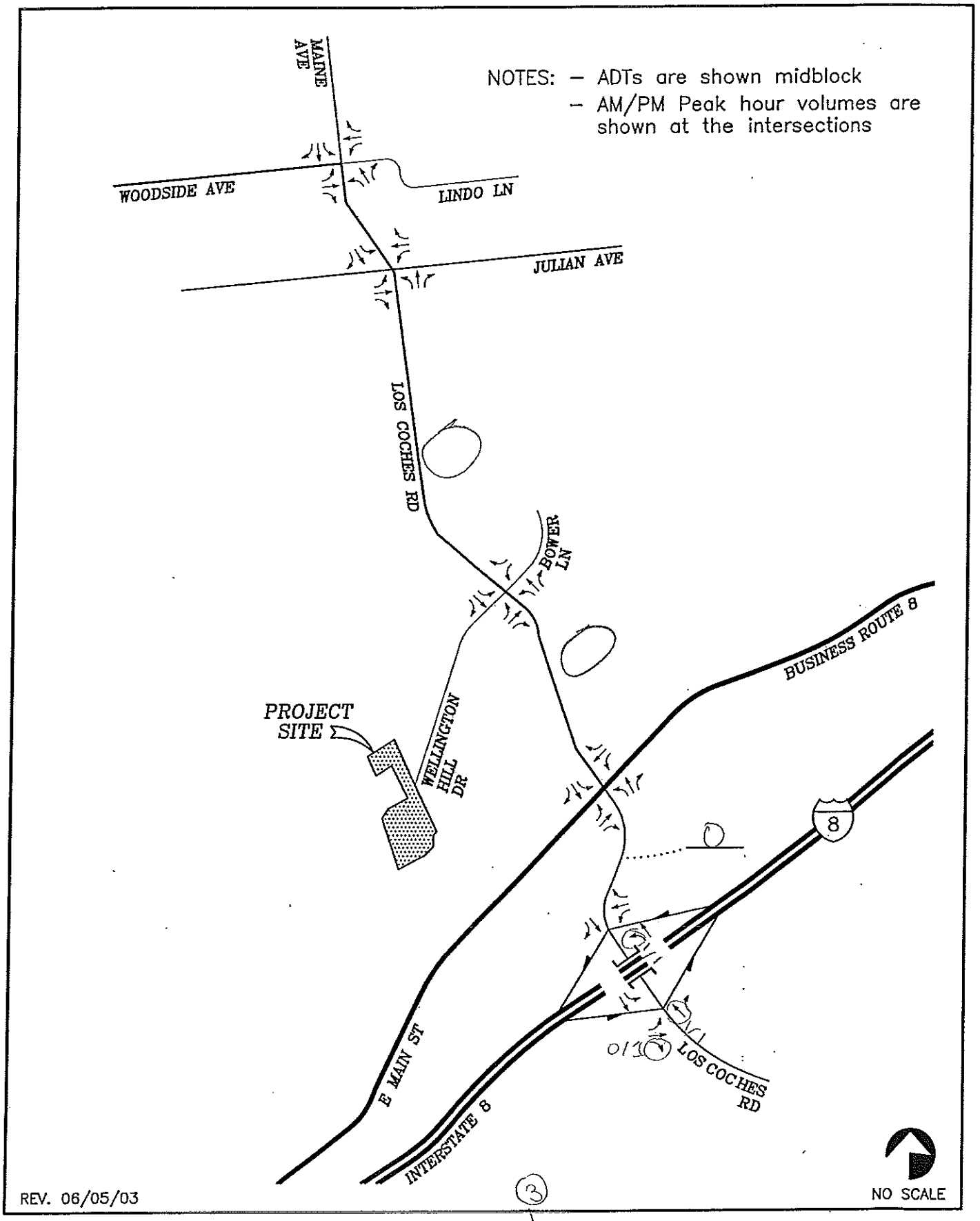
CUMULATIVE PROJECT TRAFFIC VOLUMES
AM/PM PEAK HOURS & ADTs

	IN	Out
AM	1	2
PM	2	1

ADT = 30

TM 5306 SUBDIVISION

LINSCOTT LAW & GREENSPAN
ENGINEERS



REV. 06/05/03

LLG1303.DWG

③

TPM 20775

	IN	Out
Am	0	1
Pm	1	1

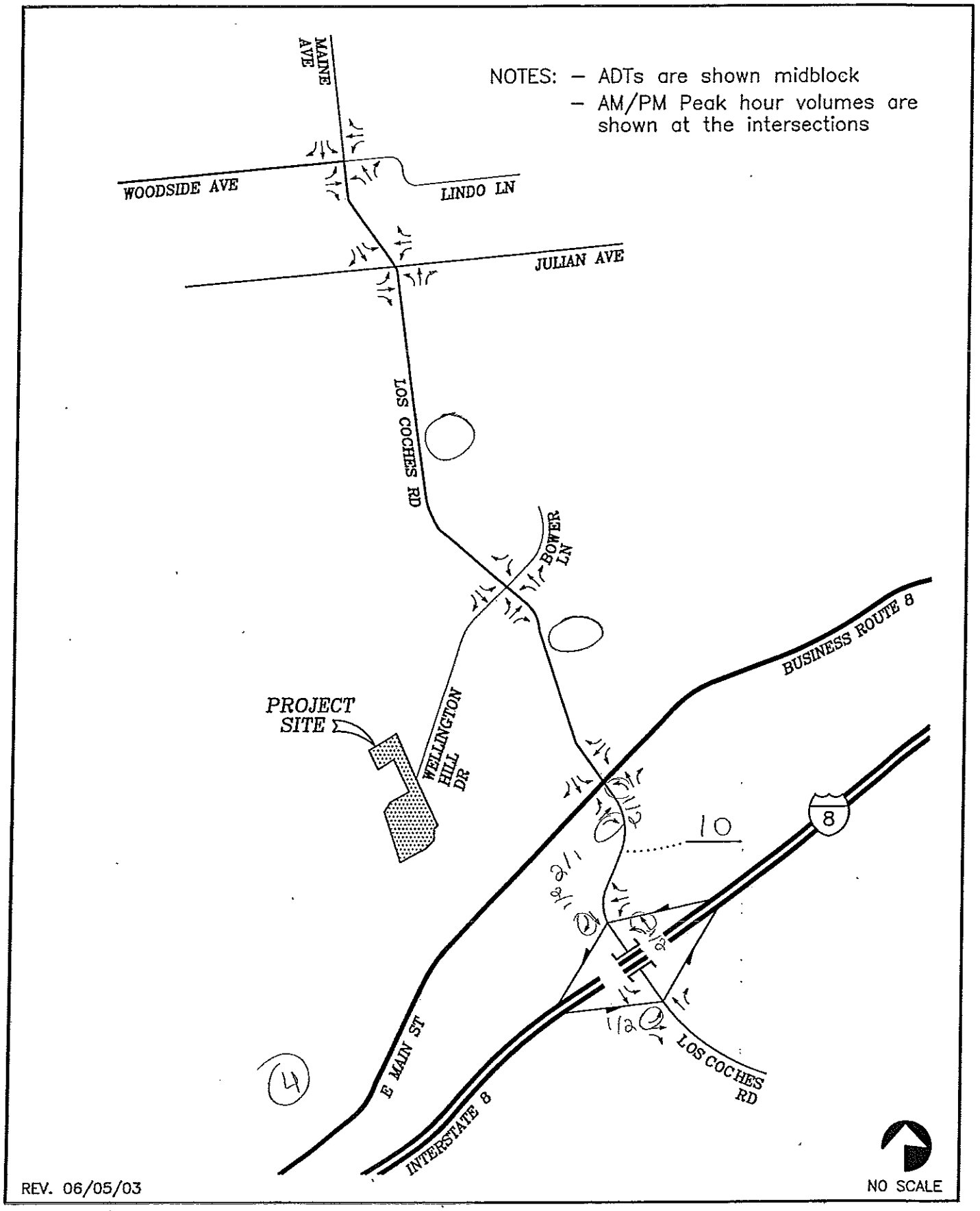
ADT = 26

Figure

CUMULATIVE PROJECT TRAFFIC VOLUMES
AM/PM PEAK HOURS & ADTs

TM 5306 SUBDIVISION

LINSCOTT LAW & GREENSPAN
ENGINEERS



REV. 06/05/03

LLG1303.DWG

TPM 20644

	IN	Out
AM	1	2
PM	2	1

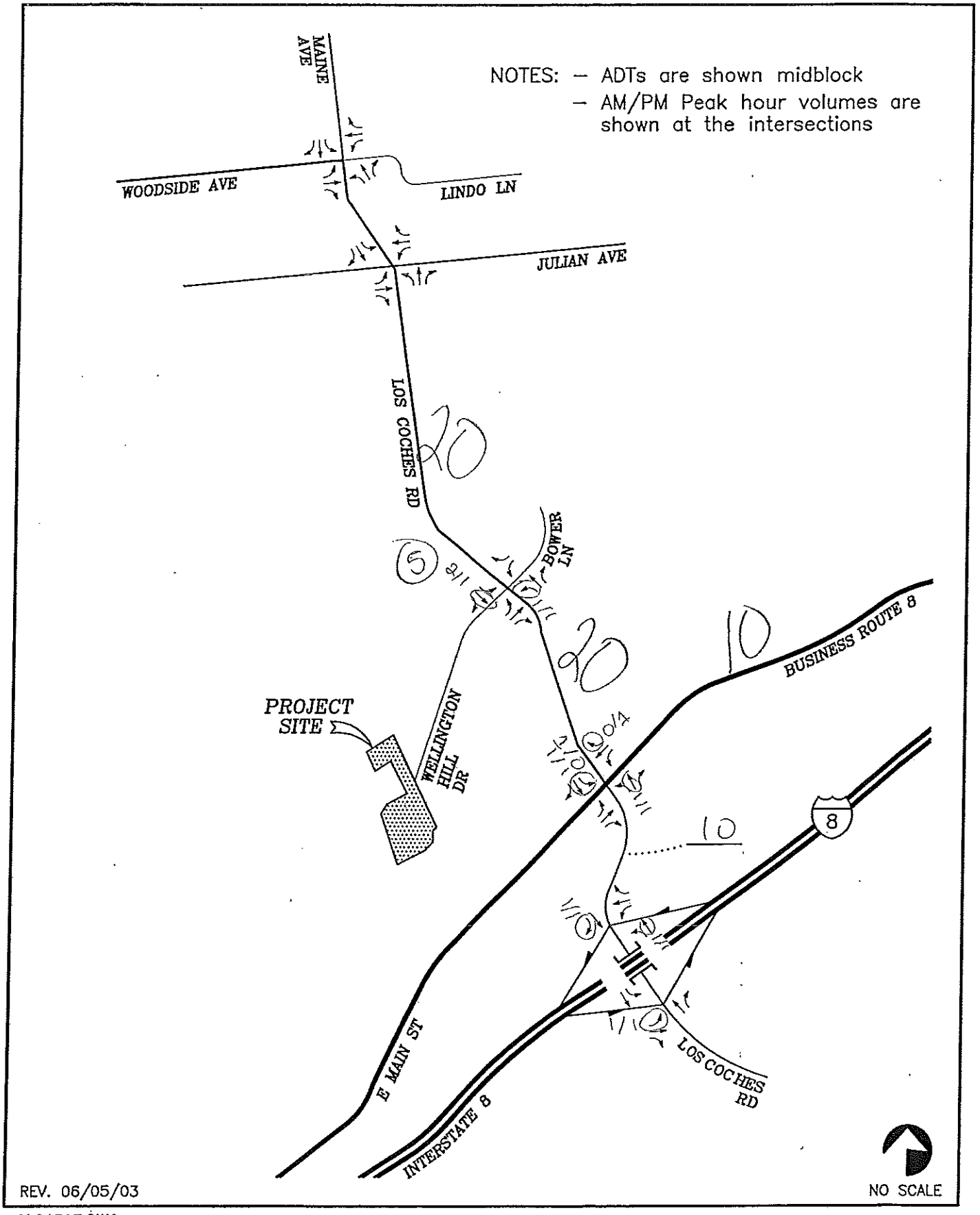
ADT: 30

Figure

CUMULATIVE PROJECT TRAFFIC VOLUMES
AM/PM PEAK HOURS & ADTs

TM 5306 SUBDIVISION

LINSCOTT LAW & GREENSPAN
ENGINEERS



REV. 06/05/03

LLG1303.DWG

TPM 20569

	In	Out
Am	1	2
Pm	2	1

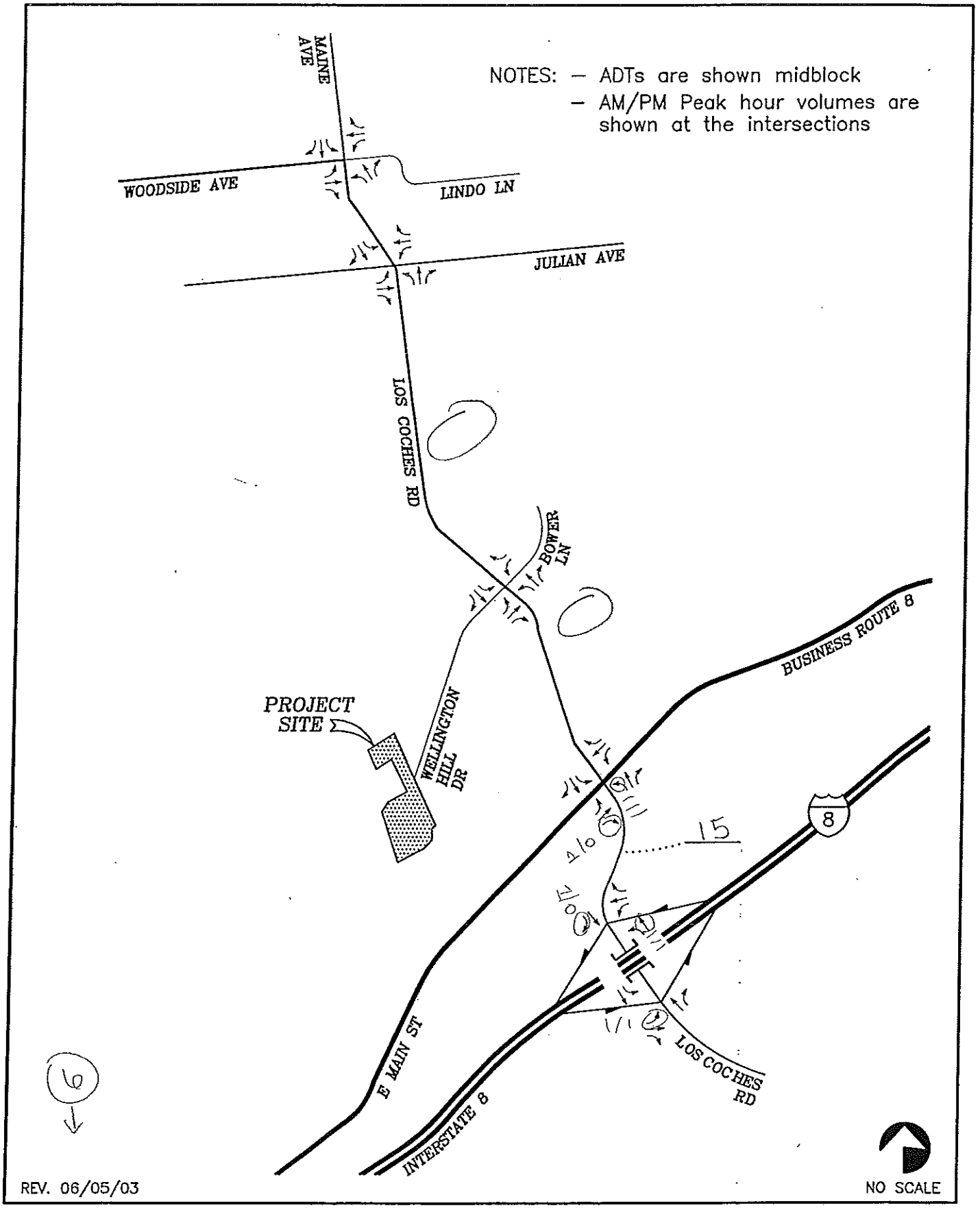
ADT = 30

LINSCOTT LAW & GREENSPAN ENGINEERS

Figure

CUMULATIVE PROJECT TRAFFIC VOLUMES
AM/PM PEAK HOURS & ADTs

TM 5306 SUBDIVISION



LLG1303.DWG

TPM 20371

Figure

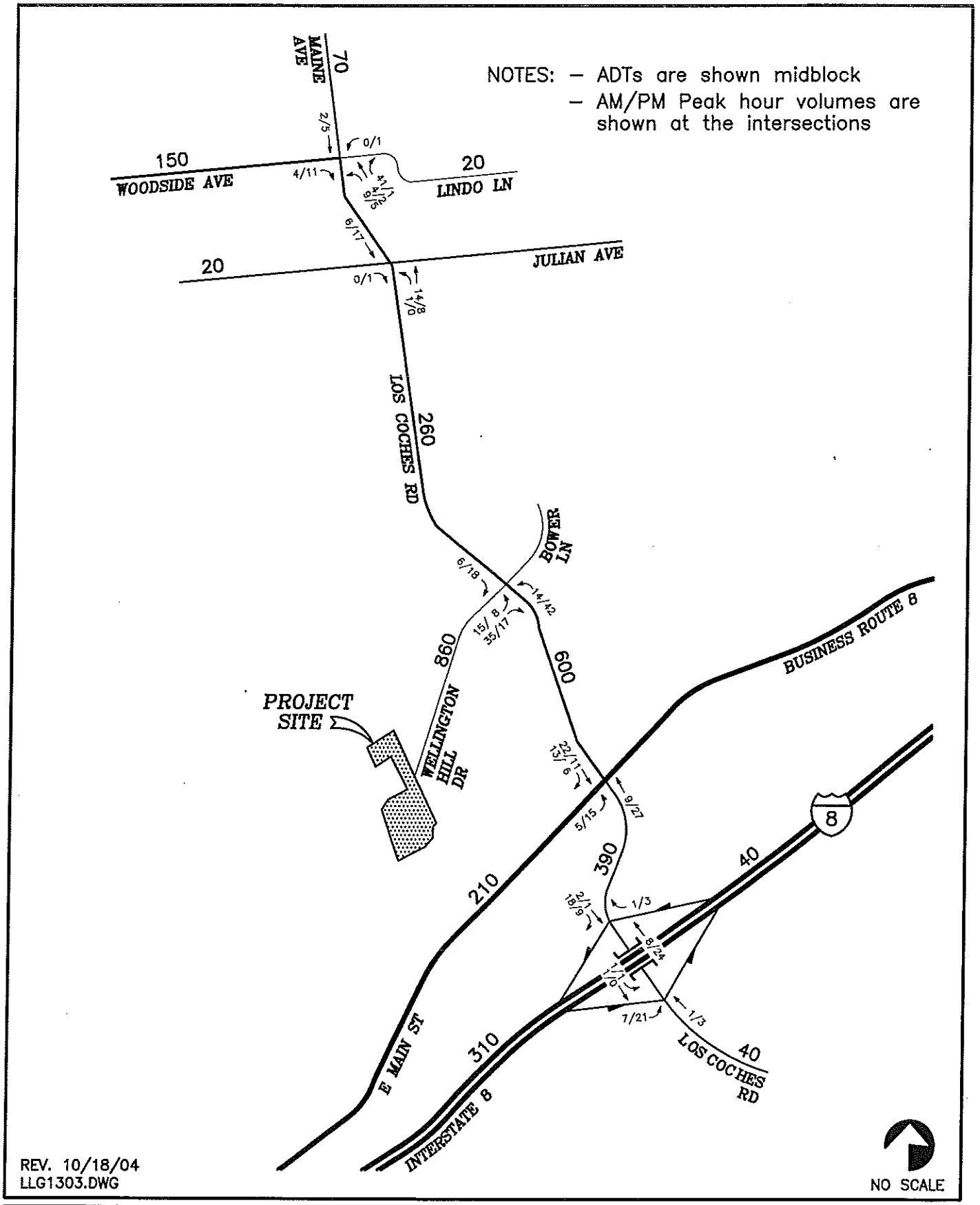
	IN	OUT
AM	1	2
PM	3	1

ADT = 40

CUMULATIVE PROJECT TRAFFIC VOLUMES
AM/PM PEAK HOURS & ADTs

TM 5306 SUBDIVISION

LINSCOTT LAW & GREENSPAN
ENGINEERS



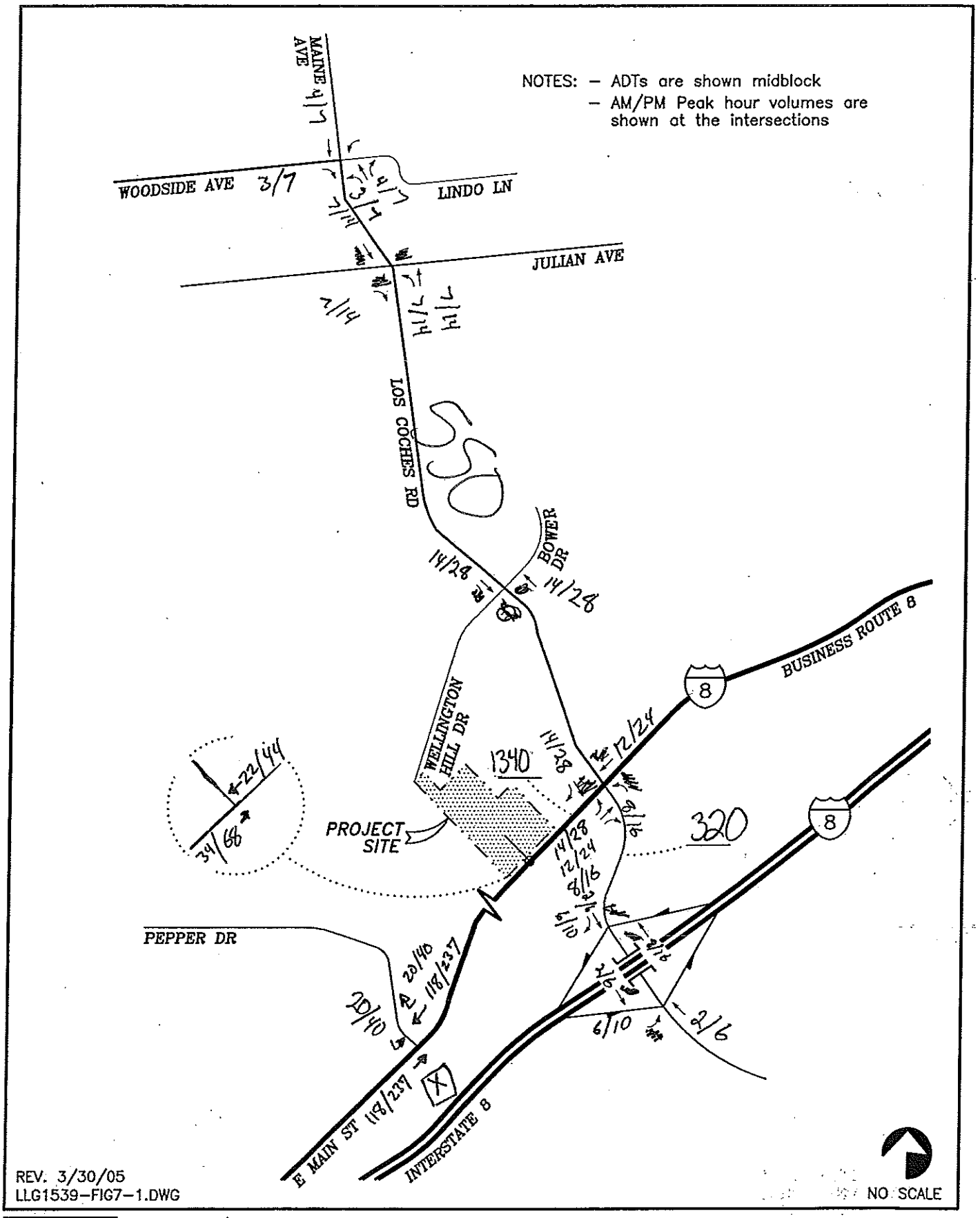
LINSCOTT LAW & GREENSPAN engineers

TM 5306

Figure 7

PROJECT TRAFFIC VOLUMES
AM/PM PEAK HOURS & ADTs

TM 5306 SUBDIVISION

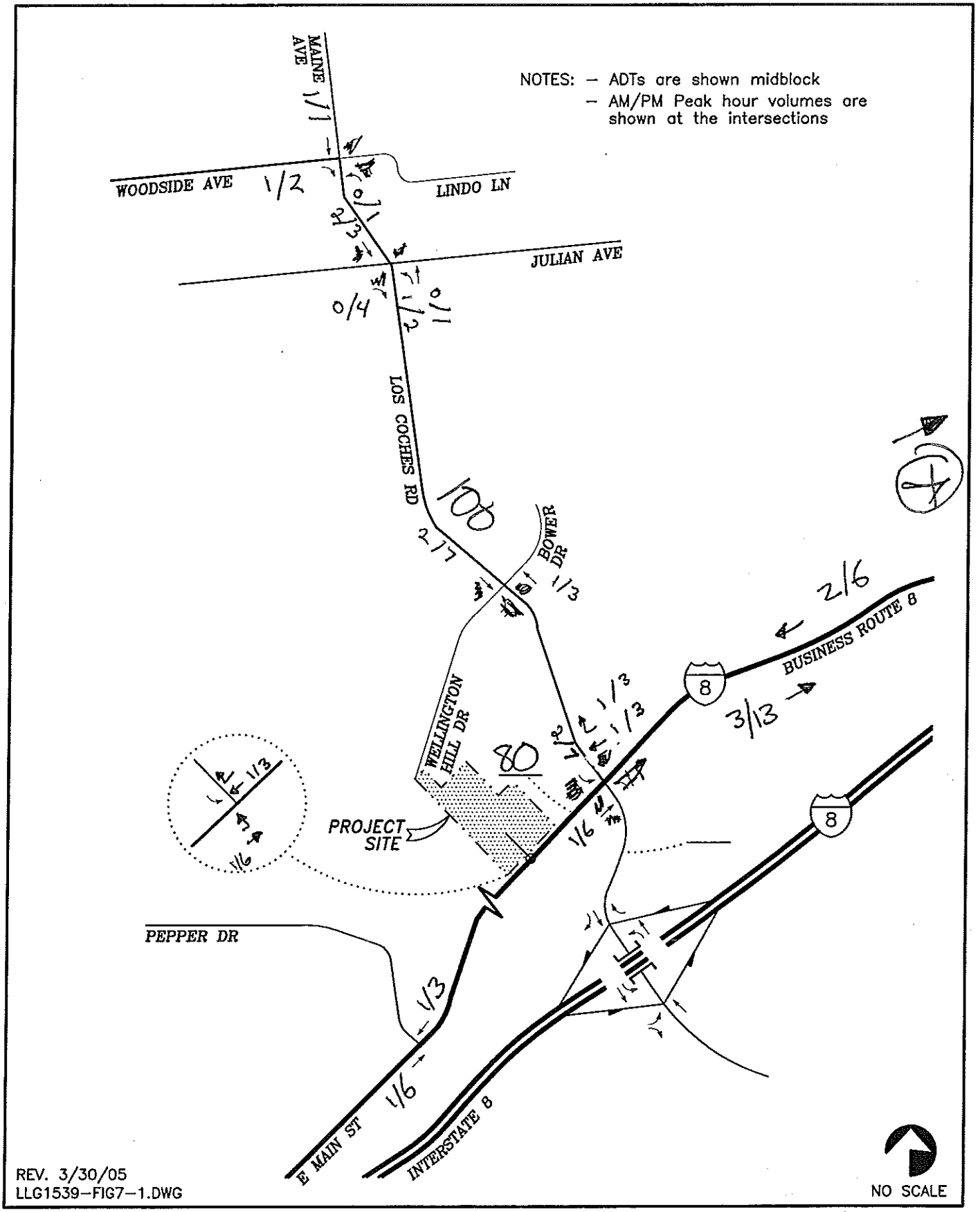


LINSCOTT LAW & GREENSPAN engineers

Home Depot

CUMULATIVE PROJECTS TRAFFIC VOLUMES
AM/PM PEAK HOURS & ADTs

SETTLER'S POINT



LINSCOTT LAW & GREENSPAN engineers

Lake Jennings Village

CUMULATIVE PROJECTS TRAFFIC VOLUMES
AM/PM PEAK HOURS & ADTs

SETTLER'S POINT

APPENDIX C

Guidelines for Determining Significance

Part XV-A

Transportation/Traffic

Traffic

County of San Diego

Guidelines for Determining Significance

Adopted,

- *The additional or redistributed ADT generated by the proposed project will significantly increase congestion on a Circulation Element Road, State Highway or intersection currently operating at LOS E or LOS F as identified in Table 1.*

Table 1

Measures of Significant Project Impacts to Congestion
Allowable Increases on Congested Roads and Intersections

Road Segments

	2-LANE ROAD	4-LANE ROAD	6-LANE ROAD
LOS E	200 ADT	400 ADT	600 ADT
LOS F	100 ADT	200 ADT	300 ADT

Intersections

	SIGNALIZED	UNSIGNALIZED
LOS E	Delay of 2 seconds	20 peak hour trips on a critical movement
LOS F	Delay of 1 second, or 5 peak hour trips on a critical movement	5 peak hour trips on a critical movement

Note: A critical movement is one that is experiencing excessive queues.
Note: By adding proposed project trips to all other trips from a list of projects, these same tables are used to determine if total cumulative impacts are significant. If cumulative impacts are found to be significant, each project that contributes any trips must mitigate a share of the cumulative impacts.
Note: The County may also determine impacts have occurred on roads even when a project's traffic or cumulative impacts do not trigger an unacceptable level of service, when such traffic uses a significant amount of remaining road capacity.

The County of San Diego Public Road Standards include a table which establishes levels of service for County Circulation Element roads based upon average daily trips. This table shall be used in determining the level of service for County Circulation Element roads. The Highway Capacity Manual (HCM) includes analysis criteria for the assessment of the level of service for two-lane highways. The Director of Public Works may, based upon a review of the operational characteristics of the roadway, designate that a HCM analysis be used to determine the level of service for a two-lane County arterial in lieu of the level of service table provided in the County of San Diego Public Road Standards.

In determining the level of service for road segments and intersections outside of the County of San Diego's jurisdiction, the level of service standards for the jurisdiction or agency (Caltrans) shall be used. Early coordination with the affected jurisdiction and/or agency (Caltrans) should be conducted during the preparation of the traffic impact study.

APPENDIX D

Intersection Level of Service Calculation Sheets

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

Intersection #1 Los Coches Road/Business Route 8

Cycle (sec):	100	Critical Vol./Cap. (X):	0.728
Loss Time (sec):	12 (Y+R = 4 sec)	Average Delay (sec/veh):	38.2
Optimal Cycle:	63	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:	Split Phase			Split Phase			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0 1 0 1			1 0 1 0 1			1 0 1 0 1			1 0 0 1 0		
Volume Module:												
Base Vol:	224	305	85	28	422	300	102	65	94	161	208	64
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:	224	305	85	28	422	300	102	65	94	161	208	64
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:	243	332	92	30	459	326	111	71	102	175	226	70
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	243	332	92	30	459	326	111	71	102	175	226	70
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.:	243	332	92	30	459	326	111	71	102	175	226	70
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	1.00	0.85	0.95	1.00	0.85	0.95	1.00	0.85	0.95	0.97	0.97
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.76	0.24
Final Sat.:	1805	1900	1615	1805	1900	1615	1805	1900	1615	1805	1402	431
Capacity Analysis Module:												
Vol/Sat:	0.13	0.17	0.06	0.02	0.24	0.20	0.06	0.04	0.06	0.10	0.16	0.16
Crit Moves:		****			****				****			****
Green/Cycle:	0.24	0.24	0.24	0.33	0.33	0.33	0.09	0.09	0.09	0.22	0.22	0.22
Volume/Cap:	0.56	0.73	0.24	0.05	0.73	0.61	0.71	0.43	0.73	0.44	0.73	0.73
Uniform Del:	33.4	35.0	30.7	22.7	29.4	28.0	44.4	43.3	44.5	33.6	36.1	36.1
IncremntDel:	1.7	5.8	0.3	0.0	4.3	2.0	13.7	1.8	17.4	0.8	6.5	6.5
Delay 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
Delay/Veh:	35.1	40.8	31.0	22.7	33.7	30.0	58.2	45.1	61.9	34.3	42.6	42.6
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:	35.1	40.8	31.0	22.7	33.7	30.0	58.2	45.1	61.9	34.3	42.6	42.6
DesignQueue:	11	15	4	1	18	13	6	4	5	8	10	3

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

Intersection #1 Los Coches Road/Business Route 8

Cycle (sec): 100 Critical Vol./Cap. (X): 0.837
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 44.0
Optimal Cycle: 87 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:	Split Phase			Split Phase			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	1 0	1 0	1	1 0	1 0	1	1 0	0 1	0
Volume Module:												
Base Vol:	96	483	220	98	409	213	195	220	158	135	103	63
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:	96	483	220	98	409	213	195	220	158	135	103	63
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:	104	525	239	107	445	232	212	239	172	147	112	68
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	104	525	239	107	445	232	212	239	172	147	112	68
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.:	104	525	239	107	445	232	212	239	172	147	112	68
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	1.00	0.85	0.95	1.00	0.85	0.95	1.00	0.85	0.95	0.94	0.94
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.62	0.38
Final Sat.:	1805	1900	1615	1805	1900	1615	1805	1900	1615	1805	1112	680
Capacity Analysis Module:												
Vol/Sat:	0.06	0.28	0.15	0.06	0.23	0.14	0.12	0.13	0.11	0.08	0.10	0.10
Crit Moves:		****			****			****				****
Green/Cycle:	0.33	0.33	0.33	0.28	0.28	0.28	0.15	0.15	0.15	0.12	0.12	0.12
Volume/Cap:	0.18	0.84	0.45	0.21	0.84	0.51	0.78	0.84	0.71	0.68	0.84	0.84
Uniform Del:	23.8	31.0	26.3	27.6	33.9	30.3	40.9	41.3	40.4	42.1	43.0	43.0
IncremntDel:	0.1	9.7	0.6	0.2	11.2	1.0	13.6	19.0	9.2	8.2	24.0	24.0
Delay 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
Delay/Veh:	24.0	40.7	27.0	27.8	45.1	31.3	54.5	60.3	49.6	50.3	67.0	67.0
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:	24.0	40.7	27.0	27.8	45.1	31.3	54.5	60.3	49.6	50.3	67.0	67.0
DesignQueue:	4	21	9	4	19	10	10	12	8	7	6	3

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

Intersection #3 Los Coches Road/I-8 WB Ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.798
Loss Time (sec): 9 (Y+R = 4 sec) Average Delay (sec/veh): 23.7
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			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0 2 0 0			0 0 2 0 1			0 0 0 0 0			1 0 0 0 1		
Volume Module:												
Base Vol:	378	411	0	0	218	666	0	0	0	83	0	56
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:	378	411	0	0	218	666	0	0	0	83	0	56
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:	411	447	0	0	237	724	0	0	0	90	0	61
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	411	447	0	0	237	724	0	0	0	90	0	61
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.:	411	447	0	0	237	724	0	0	0	90	0	61
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	1.00	1.00	0.95	0.85	1.00	1.00	1.00	0.95	1.00	0.85
Lanes:	1.00	2.00	0.00	0.00	2.00	1.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	1805	3610	0	0	3610	1615	0	0	0	1805	0	1615
Capacity Analysis Module:												
Vol/Sat:	0.23	0.12	0.00	0.00	0.07	0.45	0.00	0.00	0.00	0.05	0.00	0.04
Crit Moves:	****					****				****		
Green/Cycle:	0.29	0.85	0.00	0.00	0.56	0.56	0.00	0.00	0.00	0.06	0.00	0.06
Volume/Cap:	0.80	0.15	0.00	0.00	0.12	0.80	0.00	0.00	0.00	0.80	0.00	0.60
Uniform Del:	33.1	1.3	0.0	0.0	10.3	17.4	0.0	0.0	0.0	46.2	0.0	45.7
IncremntDel:	8.5	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	31.5	0.0	9.7
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	1.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00	0.00	1.00
Delay/Veh:	41.6	1.4	0.0	0.0	10.3	22.4	0.0	0.0	0.0	77.8	0.0	55.4
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:	41.6	1.4	0.0	0.0	10.3	22.4	0.0	0.0	0.0	77.8	0.0	55.4
HCM2kAvg:	14	1	0	0	2	19	0	0	0	5	0	3

Existing PM Peak Hour

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

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Intersection #3 Los Coches Road/I-8 WB Ramps

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Cycle (sec): 100 Critical Vol./Cap. (X): 0.869
Loss Time (sec): 9 (Y+R = 4 sec) Average Delay (sec/veh): 30.3
Optimal Cycle: 89 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			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0 2 0 0			0 0 2 0 1			0 0 0 0 0			0 1 0 1 0		
Volume Module:												
Base Vol:	517	703	0	0	322	446	0	0	0	282	2	59
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:	517	703	0	0	322	446	0	0	0	282	2	59
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:	562	764	0	0	350	485	0	0	0	307	2	64
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	562	764	0	0	350	485	0	0	0	307	2	64
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.:	562	764	0	0	350	485	0	0	0	307	2	64
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.95	1.00	1.00	0.95	0.85	1.00	1.00	1.00	0.90	0.90	0.90
Lanes:	1.00	2.00	0.00	0.00	2.00	1.00	0.00	0.00	0.00	1.00	0.03	0.97
Final Sat.:	1805	3610	0	0	3610	1615	0	0	0	1712	56	1656
Capacity Analysis Module:												
Vol/Sat:	0.31	0.21	0.00	0.00	0.10	0.30	0.00	0.00	0.00	0.18	0.04	0.04
Crit Moves:	****					****				****		
Green/Cycle:	0.36	0.70	0.00	0.00	0.35	0.35	0.00	0.00	0.00	0.21	0.21	0.21
Volume/Cap:	0.87	0.30	0.00	0.00	0.28	0.87	0.00	0.00	0.00	0.87	0.19	0.19
Delay/Veh:	42.0	5.6	0.0	0.0	23.8	44.3	0.0	0.0	0.0	55.4	32.8	32.8
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:	42.0	5.6	0.0	0.0	23.8	44.3	0.0	0.0	0.0	55.4	32.8	32.8
HCM2kAvg:	20	4	0	0	4	17	0	0	0	12	2	2

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

Intersection #4 Los Coches Road/I-8 EB Ramps

Cycle (sec):	100	Critical Vol./Cap. (X):	0.410
Loss Time (sec):	9 (Y+R = 4 sec)	Average Delay (sec/veh):	21.5
Optimal Cycle:	30	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			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	2 0	1	1 0	2 0	0	1 1	0 0	1	0 0	0 0	0
Volume Module:												
Base Vol:	0	498	81	103	340	0	272	0	239	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	498	81	103	340	0	272	0	239	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:	0.92	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	541	88	112	370	0	296	0	260	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	541	88	112	370	0	296	0	260	0	0	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	541	88	112	370	0	296	0	260	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	0.95	0.85	0.95	0.95	1.00	0.95	1.00	0.85	1.00	1.00	1.00
Lanes:	0.00	2.00	1.00	1.00	2.00	0.00	2.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	0	3610	1615	1805	3610	0	3618	0	1615	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.15	0.05	0.06	0.10	0.00	0.08	0.00	0.16	0.00	0.00	0.00
Crit Moves:		****		****					****			
Green/Cycle:	0.00	0.37	0.37	0.15	0.52	0.00	0.39	0.00	0.39	0.00	0.00	0.00
Volume/Cap:	0.00	0.41	0.15	0.41	0.20	0.00	0.21	0.00	0.41	0.00	0.00	0.00
Uniform Del:	0.0	23.6	21.3	38.4	13.0	0.0	20.1	0.0	22.0	0.0	0.0	0.0
IncremntDel:	0.0	0.2	0.1	1.0	0.1	0.0	0.1	0.0	0.4	0.0	0.0	0.0
InitQueuDel:	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Delay Adj:	0.00	1.00	1.00	1.00	1.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00
Delay/Veh:	0.0	23.9	21.4	39.4	13.0	0.0	20.2	0.0	22.4	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	23.9	21.4	39.4	13.0	0.0	20.2	0.0	22.4	0.0	0.0	0.0
HCM2kAvg:	0	6	2	4	3	0	3	0	6	0	0	0

Existing PM Peak Hour

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

Intersection #4 Los Coches Road/I-8 EB Ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.753
Loss Time (sec): 9 (Y+R = 4 sec) Average Delay (sec/veh): 26.1
Optimal Cycle: 59 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			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 2	0	1	1 0 2	0	0	1 1 0	0	1	0 0 0	0	0
Volume Module:												
Base Vol:	0	635	321	78	528	0	580	11	627	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	635	321	78	528	0	580	11	627	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:	0.92	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	690	349	85	574	0	630	12	682	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	690	349	85	574	0	630	12	682	0	0	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	690	349	85	574	0	630	12	682	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	0.95	0.85	0.95	0.95	1.00	0.85	0.85	0.85	1.00	1.00	1.00
Lanes:	0.00	2.00	1.00	1.00	2.00	0.00	1.96	0.04	1.00	0.00	0.00	0.00
Final Sat.:	0	3610	1615	1805	3610	0	3170	60	1615	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.19	0.22	0.05	0.16	0.00	0.20	0.20	0.42	0.00	0.00	0.00
Crit Moves:			****	****					****			
Green/Cycle:	0.00	0.29	0.29	0.06	0.35	0.00	0.56	0.56	0.56	0.00	0.00	0.00
Volume/Cap:	0.00	0.67	0.75	0.75	0.46	0.00	0.35	0.35	0.75	0.00	0.00	0.00
Delay/Veh:	0.0	33.1	39.3	70.6	25.4	0.0	12.2	12.2	20.3	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	33.1	39.3	70.6	25.4	0.0	12.2	12.2	20.3	0.0	0.0	0.0
HCM2kAvg:	0	10	11	4	7	0	6	6	17	0	0	0

Scenario Report

Scenario:	ex + proj am
Command:	ex + proj am
Volume:	ex + proj am
Geometry:	existing
Impact Fee:	Default Impact Fee
Trip Generation:	Default Trip Generation
Trip Distribution:	Default Trip Distribution
Paths:	Default Paths
Routes:	Default Routes
Configuration:	Default Configuration

Scenario Report

Scenario:	ex + proj pm
Command:	ex + proj pm
Volume:	ex + proj pm
Geometry:	existing
Impact Fee:	Default Impact Fee
Trip Generation:	Default Trip Generation
Trip Distribution:	Default Trip Distribution
Paths:	Default Paths
Routes:	Default Routes
Configuration:	Default Configuration

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

Intersection #1 Los Coches Road/Business Route 8

Cycle (sec): 100 Critical Vol./Cap. (X): 0.729
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 38.3
Optimal Cycle: 64 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:	Split Phase			Split Phase			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	1 0	1 0	1	1 0	1 0	1	1 0	0 1	0
Volume Module:												
Base Vol:	226	305	85	28	422	301	104	66	95	161	209	64
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:	226	305	85	28	422	301	104	66	95	161	209	64
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:	246	332	92	30	459	327	113	72	103	175	227	70
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	246	332	92	30	459	327	113	72	103	175	227	70
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.:	246	332	92	30	459	327	113	72	103	175	227	70
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	1.00	0.85	0.95	1.00	0.85	0.95	1.00	0.85	0.95	0.97	0.97
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.77	0.23
Final Sat.:	1805	1900	1615	1805	1900	1615	1805	1900	1615	1805	1404	430
Capacity Analysis Module:												
Vol/Sat:	0.14	0.17	0.06	0.02	0.24	0.20	0.06	0.04	0.06	0.10	0.16	0.16
Crit Moves:		****			****				****		****	
Green/Cycle:	0.24	0.24	0.24	0.33	0.33	0.33	0.09	0.09	0.09	0.22	0.22	0.22
Volume/Cap:	0.57	0.73	0.24	0.05	0.73	0.61	0.71	0.43	0.73	0.44	0.73	0.73
Uniform Del:	33.5	35.0	30.7	22.8	29.5	28.1	44.4	43.2	44.5	33.5	36.1	36.1
IncremntDel:	1.8	5.9	0.3	0.0	4.3	2.1	14.3	1.8	17.4	0.8	6.6	6.6
Delay 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
Delay/Veh:	35.3	41.0	31.0	22.8	33.8	30.1	58.7	45.0	61.9	34.3	42.7	42.7
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:	35.3	41.0	31.0	22.8	33.8	30.1	58.7	45.0	61.9	34.3	42.7	42.7
DesignQueue:	11	15	4	1	18	13	6	4	5	8	10	3

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

Intersection #1 Los Coches Road/Business Route 8

Cycle (sec): 100 Critical Vol./Cap. (X): 0.839
Loss Time (sec): 12 (Y+R = 4 sec) Average Delay (sec/veh): 44.2
Optimal Cycle: 87 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:	Split Phase			Split Phase			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	1 0	1 0	1	1 0	1 0	1	1 0	0 1	0
Volume Module:												
Base Vol:	98	483	220	98	409	215	197	221	160	135	104	63
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	483	220	98	409	215	197	221	160	135	104	63
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:	107	525	239	107	445	234	214	240	174	147	113	68
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	107	525	239	107	445	234	214	240	174	147	113	68
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.:	107	525	239	107	445	234	214	240	174	147	113	68
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	1.00	0.85	0.95	1.00	0.85	0.95	1.00	0.85	0.95	0.94	0.94
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.62	0.38
Final Sat.:	1805	1900	1615	1805	1900	1615	1805	1900	1615	1805	1116	676
Capacity Analysis Module:												
Vol/Sat:	0.06	0.28	0.15	0.06	0.23	0.14	0.12	0.13	0.11	0.08	0.10	0.10
Crit Moves:		****			****			****			****	
Green/Cycle:	0.33	0.33	0.33	0.28	0.28	0.28	0.15	0.15	0.15	0.12	0.12	0.12
Volume/Cap:	0.18	0.84	0.45	0.21	0.84	0.52	0.79	0.84	0.71	0.67	0.84	0.84
Uniform Del:	23.9	31.1	26.4	27.6	33.9	30.4	40.9	41.3	40.4	42.1	43.0	43.0
IncremntDel:	0.1	9.8	0.6	0.2	11.3	1.1	14.1	19.2	9.6	8.0	24.1	24.1
Delay 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
Delay/Veh:	24.0	40.8	27.0	27.8	45.3	31.5	55.0	60.5	50.0	50.1	67.1	67.1
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:	24.0	40.8	27.0	27.8	45.3	31.5	55.0	60.5	50.0	50.1	67.1	67.1
DesignQueue:	4	21	9	4	19	10	10	12	8	7	6	3

Existing + Project AM Peak Hour

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

Intersection #5 Los Coches Road/I-8 WB Ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.747
Loss Time (sec): 9 (Y+R = 0 sec) Average Delay (sec/veh): 23.7
Optimal Cycle: 58 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			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	0 1	0 1	0
Volume Module:												
Base Vol:	268	337	0	0	260	626	0	0	0	78	1	111
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:	268	337	0	0	260	626	0	0	0	78	1	111
User Adj:	0.69	0.69	0.69	0.69	0.69	0.59	0.69	0.69	0.69	0.69	0.69	0.59
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:	201	253	0	0	195	399	0	0	0	59	1	71
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	201	253	0	0	195	399	0	0	0	59	1	71
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.:	201	253	0	0	195	399	0	0	0	59	1	71
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.57	0.57	0.60	0.60	0.57	0.51	0.60	0.60	0.60	0.48	0.48	0.48
Lanes:	1.00	2.00	0.00	0.00	2.00	1.00	0.00	0.00	0.00	0.99	0.01	1.00
Final Sat.:	1076	2152	0	0	2152	963	0	0	0	895	11	907
Capacity Analysis Module:												
Vol/Sat:	0.19	0.12	0.00	0.00	0.09	0.41	0.00	0.00	0.00	0.07	0.07	0.08
Crit Moves:	****					****						****
Green/Cycle:	0.25	0.81	0.00	0.00	0.56	0.56	0.00	0.00	0.00	0.10	0.10	0.10
Volume/Cap:	0.75	0.15	0.00	0.00	0.16	0.75	0.00	0.00	0.00	0.63	0.63	0.75
Delay/Veh:	45.5	2.2	0.0	0.0	10.9	22.6	0.0	0.0	0.0	48.8	48.8	59.6
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:	45.5	2.2	0.0	0.0	10.9	22.6	0.0	0.0	0.0	48.8	48.8	59.6
HCM2kAvg:	8	1	0	0	2	11	0	0	0	3	3	4

Existing + Project PM Peak Hour

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

Intersection #5 Los Coches Road/I-8 WB Ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.895
Loss Time (sec): 9 (Y+R = 0 sec) Average Delay (sec/veh): 30.4
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			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	1 0	0 0	1
Volume Module:												
Base Vol:	277	911	0	0	457	263	0	0	0	130	0	22
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:	277	911	0	0	457	263	0	0	0	130	0	22
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:	301	990	0	0	497	286	0	0	0	141	0	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	301	990	0	0	497	286	0	0	0	141	0	24
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.:	301	990	0	0	497	286	0	0	0	141	0	24
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.49	0.49	0.52	0.52	0.49	0.44	0.52	0.52	0.52	0.49	0.52	0.44
Lanes:	1.00	2.00	0.00	0.00	2.00	1.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	936	1872	0	0	1872	837	0	0	0	936	0	837
Capacity Analysis Module:												
Vol/Sat:	0.32	0.53	0.00	0.00	0.27	0.34	0.00	0.00	0.00	0.15	0.00	0.03
Crit Moves:	****					****				****		
Green/Cycle:	0.36	0.74	0.00	0.00	0.38	0.38	0.00	0.00	0.00	0.17	0.00	0.17
Volume/Cap:	0.89	0.71	0.00	0.00	0.70	0.89	0.00	0.00	0.00	0.89	0.00	0.17
Delay/Veh:	55.0	8.9	0.0	0.0	29.0	54.8	0.0	0.0	0.0	83.1	0.0	36.1
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:	55.0	8.9	0.0	0.0	29.0	54.8	0.0	0.0	0.0	83.1	0.0	36.1
HCM2kAvg:	13	10	0	0	8	12	0	0	0	7	0	1

Existing + Project AM Peak Hour

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

Intersection #6 Los Coches Road/I-8 EB Ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.360
Loss Time (sec): 9 (Y+R = 0 sec) Average Delay (sec/veh): 21.4
Optimal Cycle: 28 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			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 2	0	1	1 0 2	0	0	1 1 0	0	1	0 0 0	0	0
Volume Module:												
Base Vol:	0	392	93	120	245	0	235	0	199	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	392	93	120	245	0	235	0	199	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:	0.92	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	426	101	130	266	0	255	0	216	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	426	101	130	266	0	255	0	216	0	0	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	426	101	130	266	0	255	0	216	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.99	0.94	0.84	0.94	0.94	0.99	0.94	0.99	0.84	0.99	0.99	0.99
Lanes:	0.00	2.00	1.00	1.00	2.00	0.00	2.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	0	3574	1599	1787	3574	0	3581	0	1599	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.12	0.06	0.07	0.07	0.00	0.07	0.00	0.14	0.00	0.00	0.00
Crit Moves:		****		****					****			
Green/Cycle:	0.00	0.33	0.33	0.20	0.53	0.00	0.38	0.00	0.38	0.00	0.00	0.00
Volume/Cap:	0.00	0.36	0.19	0.36	0.14	0.00	0.19	0.00	0.36	0.00	0.00	0.00
Delay/Veh:	0.0	25.6	24.0	34.9	11.8	0.0	21.0	0.0	22.9	0.0	0.0	0.0
User DelAdj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
AdjDel/Veh:	0.0	24.4	23.0	33.3	11.2	0.0	20.1	0.0	21.9	0.0	0.0	0.0
HCM2kAvg:	0	5	2	4	2	0	3	0	5	0	0	0

Existing + Project PM Peak Hour

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

Intersection #6 Los Coches Road/I-8 EB Ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.831
Loss Time (sec): 9 (Y+R = 0 sec) Average Delay (sec/veh): 26.1
Optimal Cycle: 76 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			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	2 0	1	1 0	2 0	0	1 1	0 0	1	0 0	0 0	0
Volume Module:												
Base Vol:	0	558	420	124	460	0	568	11	593	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	558	420	124	460	0	568	11	593	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:	0.92	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	607	457	135	500	0	617	12	645	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	607	457	135	500	0	617	12	645	0	0	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	607	457	135	500	0	617	12	645	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	1.00	0.95	0.85	0.95	0.95	1.00	0.85	0.85	0.85	1.00	1.00	1.00
Lanes:	0.00	2.00	1.00	1.00	2.00	0.00	1.96	0.04	1.00	0.00	0.00	0.00
Final Sat.:	0	3610	1615	1805	3610	0	3169	61	1615	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.17	0.28	0.07	0.14	0.00	0.19	0.19	0.40	0.00	0.00	0.00
Crit Moves:			****	****					****			
Green/Cycle:	0.00	0.34	0.34	0.09	0.43	0.00	0.48	0.48	0.48	0.00	0.00	0.00
Volume/Cap:	0.00	0.49	0.83	0.83	0.32	0.00	0.41	0.41	0.83	0.00	0.00	0.00
Delay/Veh:	0.0	26.5	40.7	73.7	19.0	0.0	17.0	17.0	30.1	0.0	0.0	0.0
User DelAdj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
AdjDel/Veh:	0.0	24.4	37.5	67.9	17.5	0.0	15.6	15.6	27.7	0.0	0.0	0.0
HCM2kAvg:	0	8	15	7	5	0	7	7	19	0	0	0

Existing + Project AM Peak Hour

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

****
Intersection #106 Business Route 8/Project D/W
****
Average Delay (sec/veh): 0.1 Worst Case Level Of Service: C[18.7]
****

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 1! 0 0			1 0 1 0 0			0 0 0 1 0		
Volume Module:												
Base Vol:	0	0	0	3	0	1	1	261	0	0	732	3
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	3	0	1	1	261	0	0	732	3
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	3	0	1	1	284	0	0	796	3
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	3	0	1	1	284	0	0	796	3
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	6.4	xxxx	6.2	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	3.5	xxxx	3.3	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	1083	xxxx	797	799	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	243	xxxx	390	833	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	242	xxxx	390	833	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	0.01	xxxx	0.00	0.00	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	9.3	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	268	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	0.0	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	18.7	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	C	*	*	*	*	*	*	*
ApproachDel:	xxxxxx			18.7			xxxxxx			xxxxxx		
ApproachLOS:	*			C			*			*		

Existing + Project PM Peak Hour

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

****

Intersection #106 Business Route 8/Project D/W

****

Average Delay (sec/veh): 0.1 Worst Case Level Of Service: C[17.0]

****

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 1! 0 0			1 0 1 0 0			0 0 0 1 0		
Volume Module:												
Base Vol:	0	0	0	4	0	2	2	573	0	0	412	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	0	0	4	0	2	2	573	0	0	412	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:	0.92	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	4	0	2	2	623	0	0	448	4
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	0	0	0	4	0	2	2	623	0	0	448	4
Critical Gap Module:												
Critical Gp:	xxxxx	xxxx	xxxxx	6.4	xxxx	6.2	4.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx
FollowUpTim:	xxxxx	xxxx	xxxxx	3.5	xxxx	3.3	2.2	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	xxxx	xxxx	xxxxx	1077	xxxx	450	452	xxxx	xxxxx	xxxx	xxxx	xxxxx
Potent Cap.:	xxxx	xxxx	xxxxx	245	xxxx	613	1119	xxxx	xxxxx	xxxx	xxxx	xxxxx
Move Cap.:	xxxx	xxxx	xxxxx	244	xxxx	613	1119	xxxx	xxxxx	xxxx	xxxx	xxxxx
Volume/Cap:	xxxx	xxxx	xxxx	0.02	xxxx	0.00	0.00	xxxx	xxxx	xxxx	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	8.2	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	305	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	0.1	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	17.0	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	*	*	*	C	*	*	*	*	*	*	*
ApproachDel:	xxxxxx				17.0		xxxxxx			xxxxxx		
ApproachLOS:	*				C		*			*		

Existing + Cumulative Projects + Project AM Peak Hour

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

Intersection #106 Business Route 8/Project D/W

Average Delay (sec/veh): 0.1 Worst Case Level Of Service: C[21.2]

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	1!	0	0	1	0	1	0	0	0	0	0	1	0
Volume Module:																				
Base Vol:	0	0	0			3	0		1		1	313		0		0	798		3	
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			3	0		1		1	313		0		0	798		3	
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			3	0		1		1	340		0		0	867		3	
Reduct Vol:	0	0	0			0	0		0		0	0		0		0	0		0	
Final Vol.:	0	0	0			3	0		1		1	340		0		0	867		3	
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx			6.4	xxxx		6.2		4.1	xxxx	xxxxx	xxxxx		xxxx	xxxxx			
FollowUpTim:	xxxxx	xxxx	xxxxx			3.5	xxxx		3.3		2.2	xxxx	xxxxx	xxxxx		xxxx	xxxxx			
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx			1211	xxxx		869		871	xxxx	xxxxx	xxxx		xxxx	xxxxx			
Potent Cap.:	xxxx	xxxx	xxxxx			203	xxxx		354		783	xxxx	xxxxx	xxxx		xxxx	xxxxx			
Move Cap.:	xxxx	xxxx	xxxxx			203	xxxx		354		783	xxxx	xxxxx	xxxx		xxxx	xxxxx			
Volume/Cap:	xxxx	xxxx	xxxx			0.02	xxxx		0.00		0.00	xxxx	xxxx	xxxx		xxxx	xxxx			
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx					0.0	xxxx	xxxxx	xxxxx		xxxx	xxxxx			
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx					9.6	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		227	xxxxx				xxxx	xxxx	xxxxx	xxxx		xxxx	xxxxx			
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx		0.1	xxxxx				xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx			
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx		21.2	xxxxx				xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx			
Shared LOS:	*	*	*	*		C	*				*	*	*	*		*	*			
ApproachDel:	xxxxxx					21.2					xxxxxx					xxxxxx				
ApproachLOS:	*					C					*					*				

Existing + Cumulative Projects + Project PM Peak Hour

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

Intersection #106 Business Route 8/Project D/W

Average Delay (sec/veh): 0.1 Worst Case Level Of Service: C[21.1]

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	1!	0	0	1	0	1	0	0	0	0	0	1	0
Volume Module:																				
Base Vol:	0	0	0			4	0		2		2	670		0		0	518		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	0	0			4	0		2		2	670		0		0	518		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:	0.92	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			4	0		2		2	728		0		0	563		4	
Reduct Vol:	0	0	0			0	0		0		0	0		0		0	0		0	
Final Vol.:	0	0	0			4	0		2		2	728		0		0	563		4	
Critical Gap Module:																				
Critical Gp:	xxxxx	xxxx	xxxxx			6.4	xxxx		6.2		4.1	xxxx	xxxxx	xxxxx		xxxx	xxxxx			
FollowUpTim:	xxxxx	xxxx	xxxxx			3.5	xxxx		3.3		2.2	xxxx	xxxxx	xxxxx		xxxx	xxxxx			
Capacity Module:																				
Cnflict Vol:	xxxx	xxxx	xxxxx			1298	xxxx		565		567	xxxx	xxxxx	xxxx		xxxx	xxxxx			
Potent Cap.:	xxxx	xxxx	xxxxx			180	xxxx		528		1015	xxxx	xxxxx	xxxx		xxxx	xxxxx			
Move Cap.:	xxxx	xxxx	xxxxx			180	xxxx		528		1015	xxxx	xxxxx	xxxx		xxxx	xxxxx			
Volume/Cap:	xxxx	xxxx	xxxx			0.02	xxxx		0.00		0.00	xxxx	xxxx	xxxx		xxxx	xxxx			
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx					0.0	xxxx	xxxxx	xxxxx		xxxx	xxxxx			
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx					8.6	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		231	xxxxx				xxxx	xxxx	xxxxx			xxxx	xxxx	xxxxx		
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx		0.1	xxxxx				xxxxx	xxxx	xxxxx			xxxxx	xxxx	xxxxx		
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx		21.1	xxxxx				xxxxx	xxxx	xxxxx			xxxxx	xxxx	xxxxx		
Shared LOS:	*	*	*	*		C	*				*	*	*			*	*	*		
ApproachDel:	xxxxxx					21.1					xxxxxx					xxxxxx				
ApproachLOS:	*					C					*					*				

Existing + Cumulative Projects + Project AM Peak Hour

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

Intersection #4 Los Coches Road/Business Route 8

Cycle (sec): 100 Critical Vol./Cap. (X): 1.014
Loss Time (sec): 12 (Y+R = 0 sec) Average Delay (sec/veh): 59.0
Optimal Cycle: 180 Level Of Service: E

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			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0 1 0 1			1 0 1 0 1			1 0 1 0 1			1 0 0 1 0		
Volume Module:												
Base Vol:	247	395	85	51	513	309	103	80	131	161	223	85
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:	247	395	85	51	513	309	103	80	131	161	223	85
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:	268	429	92	55	558	336	112	87	142	175	242	92
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	268	429	92	55	558	336	112	87	142	175	242	92
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.:	268	429	92	55	558	336	112	87	142	175	242	92
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.76	0.80	0.68	0.76	0.80	0.68	0.76	0.80	0.68	0.76	0.77	0.77
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.72	0.28
Final Sat.:	1444	1520	1292	1444	1520	1292	1444	1520	1292	1444	1055	402
Capacity Analysis Module:												
Vol/Sat:	0.19	0.28	0.07	0.04	0.37	0.26	0.08	0.06	0.11	0.12	0.23	0.23
Crit Moves:	****				****				****		****	
Green/Cycle:	0.18	0.48	0.48	0.07	0.36	0.47	0.11	0.11	0.11	0.23	0.23	0.23
Volume/Cap:	1.01	0.59	0.15	0.59	1.01	0.55	0.71	0.53	1.01	0.54	1.01	1.01
Delay/Veh:	99.9	20.1	14.7	54.9	73.9	20.1	57.4	45.3	124.4	35.8	91.9	91.9
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:	99.9	20.1	14.7	54.9	73.9	20.1	57.4	45.3	124.4	35.8	91.9	91.9
HCM2kAvg:	14	10	2	3	24	8	5	3	8	6	16	16

Settler's Point
Existing + Cumulative Projects + Project PM Peak Hour

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

****

Intersection #4 Los Coches Road/Business Route 8

****

Cycle (sec): 100 Critical Vol./Cap. (X): 0.969
Loss Time (sec): 12 (Y+R = 0 sec) Average Delay (sec/veh): 57.0
Optimal Cycle: 155 Level Of Service: E

****

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			Split Phase			Split Phase		
Rights:	Include			Ovl			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0 1	0 1		1 0 1	0 1		1 0 1	0 1		1 0 0	1 0	
Volume Module:												
Base Vol:	154	576	220	125	501	230	199	252	191	135	132	87
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:	154	576	220	125	501	230	199	252	191	135	132	87
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:	167	626	239	136	545	250	216	274	208	147	143	95
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	167	626	239	136	545	250	216	274	208	147	143	95
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.:	167	626	239	136	545	250	216	274	208	147	143	95
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.76	0.80	0.68	0.76	0.80	0.68	0.76	0.80	0.68	0.76	0.75	0.75
Lanes:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.60	0.40
Final Sat.:	1444	1520	1292	1444	1520	1292	1444	1520	1292	1444	861	568
Capacity Analysis Module:												
Vol/Sat:	0.12	0.41	0.19	0.09	0.36	0.19	0.15	0.18	0.16	0.10	0.17	0.17
Crit Moves:		****		****				****				****
Green/Cycle:	0.13	0.43	0.43	0.10	0.39	0.58	0.19	0.19	0.19	0.17	0.17	0.17
Volume/Cap:	0.91	0.97	0.44	0.97	0.91	0.33	0.81	0.97	0.86	0.59	0.97	0.97
Delay/Veh:	84.3	55.8	20.8	111.3	46.3	11.2	55.1	85.3	65.6	41.9	89.7	89.7
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:	84.3	55.8	20.8	111.3	46.3	11.2	55.1	85.3	65.6	41.9	89.7	89.7
HCM2kAvg:	9	25	5	8	20	4	9	13	9	5	12	12

****

Existing + Cumulative Projects + Project AM Peak Hour

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

Intersection #5 Los Coches Road/I-8 WB Ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.972
Loss Time (sec): 9 (Y+R = 0 sec) Average Delay (sec/veh): 45.8
Optimal Cycle: 162 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			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	0 1	0 1	0
Volume Module:												
Base Vol:	277	438	0	0	277	736	0	0	0	78	1	119
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:	277	438	0	0	277	736	0	0	0	78	1	119
User Adj:	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
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:	170	269	0	0	170	452	0	0	0	48	1	73
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	170	269	0	0	170	452	0	0	0	48	1	73
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.:	170	269	0	0	170	452	0	0	0	48	1	73
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.45	0.45	0.48	0.48	0.45	0.41	0.48	0.48	0.48	0.38	0.38	0.38
Lanes:	1.00	2.00	0.00	0.00	2.00	1.00	0.00	0.00	0.00	0.99	0.01	1.00
Final Sat.:	862	1724	0	0	1724	771	0	0	0	705	9	714
Capacity Analysis Module:												
Vol/Sat:	0.20	0.16	0.00	0.00	0.10	0.59	0.00	0.00	0.00	0.07	0.07	0.10
Crit Moves:	****					****						****
Green/Cycle:	0.20	0.80	0.00	0.00	0.60	0.60	0.00	0.00	0.00	0.11	0.11	0.11
Volume/Cap:	0.97	0.19	0.00	0.00	0.16	0.97	0.00	0.00	0.00	0.65	0.65	0.97
Delay/Veh:	99.3	2.3	0.0	0.0	8.9	53.6	0.0	0.0	0.0	50.5	50.5	116.3
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:	99.3	2.3	0.0	0.0	8.9	53.6	0.0	0.0	0.0	50.5	50.5	116.3
HCM2kAvg:	9	1	0	0	1	19	0	0	0	3	3	5

Existing + Cumulative Projects + Project PM Peak Hour

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

Intersection #5 Los Coches Road/I-8 WB Ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 1.022
Loss Time (sec): 9 (Y+R = 0 sec) Average Delay (sec/veh): 39.6
Optimal Cycle: 180 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			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	1 0	0 0	1
Volume Module:												
Base Vol:	288	1046	0	0	477	365	0	0	0	130	0	33
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:	288	1046	0	0	477	365	0	0	0	130	0	33
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:	313	1137	0	0	518	397	0	0	0	141	0	36
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	313	1137	0	0	518	397	0	0	0	141	0	36
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.:	313	1137	0	0	518	397	0	0	0	141	0	36
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.51	0.51	0.54	0.54	0.51	0.45	0.54	0.54	0.54	0.51	0.54	0.45
Lanes:	1.00	2.00	0.00	0.00	2.00	1.00	0.00	0.00	0.00	1.00	0.00	1.00
Final Sat.:	966	1931	0	0	1931	864	0	0	0	966	0	864
Capacity Analysis Module:												
Vol/Sat:	0.32	0.59	0.00	0.00	0.27	0.46	0.00	0.00	0.00	0.15	0.00	0.04
Crit Moves:	****					****				****		
Green/Cycle:	0.32	0.77	0.00	0.00	0.45	0.45	0.00	0.00	0.00	0.14	0.00	0.14
Volume/Cap:	1.02	0.77	0.00	0.00	0.60	1.02	0.00	0.00	0.00	1.02	0.00	0.29
Delay/Veh:	91.2	9.1	0.0	0.0	21.9	78.8	0.0	0.0	0.0	125.2	0.0	39.6
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:	91.2	9.1	0.0	0.0	21.9	78.8	0.0	0.0	0.0	125.2	0.0	39.6
HCM2kAvg:	16	12	0	0	7	19	0	0	0	9	0	1

Existing + Cumulative Projects + Project AM Peak Hour

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

****

Intersection #6 Los Coches Road/I-8 EB Ramps

****

Cycle (sec): 100 Critical Vol./Cap. (X): 0.431
Loss Time (sec): 9 (Y+R = 0 sec) Average Delay (sec/veh): 22.2
Optimal Cycle: 31 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			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	2 0	1	1 0	2 0	0	1 1	0 0	1	0 0	0 0	0
Volume Module:												
Base Vol:	0	401	93	129	253	0	337	0	199	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	401	93	129	253	0	337	0	199	0	0	0
User 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
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	488	113	157	308	0	410	0	242	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	488	113	157	308	0	410	0	242	0	0	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	488	113	157	308	0	410	0	242	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.90	0.81	0.90	0.90	0.95	0.90	0.95	0.81	0.95	0.95	0.95
Lanes:	0.00	2.00	1.00	1.00	2.00	0.00	2.00	0.00	1.00	0.00	0.00	0.00
Final Sat.:	0	3430	1534	1715	3430	0	3437	0	1534	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.14	0.07	0.09	0.09	0.00	0.12	0.00	0.16	0.00	0.00	0.00
Crit Moves:		****		****					****			
Green/Cycle:	0.00	0.33	0.33	0.21	0.54	0.00	0.37	0.00	0.37	0.00	0.00	0.00
Volume/Cap:	0.00	0.43	0.22	0.43	0.17	0.00	0.33	0.00	0.43	0.00	0.00	0.00
Delay/Veh:	0.0	26.4	24.4	34.9	11.5	0.0	22.9	0.0	24.3	0.0	0.0	0.0
User DelAdj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
AdjDel/Veh:	0.0	25.2	23.3	33.4	11.0	0.0	21.9	0.0	23.2	0.0	0.0	0.0
HCM2kAvg:	0	6	3	5	2	0	5	0	6	0	0	0

****

Existing + Cumulative Projects + Project PM Peak Hour

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

Intersection #6 Los Coches Road/I-8 EB Ramps

Cycle (sec): 100 Critical Vol./Cap. (X): 0.882
Loss Time (sec): 9 (Y+R = 0 sec) Average Delay (sec/veh): 29.7
Optimal Cycle: 94 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			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	2 0	1	1 0	2 0	0	1 1	0 0	1	0 0	0 0	0
Volume Module:												
Base Vol:	0	581	420	133	471	0	692	11	594	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	581	420	133	471	0	692	11	594	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:	0.92	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	632	457	145	512	0	752	12	646	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	632	457	145	512	0	752	12	646	0	0	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	632	457	145	512	0	752	12	646	0	0	0
Saturation Flow Module:												
Sat/Lane:	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Adjustment:	0.95	0.90	0.81	0.90	0.90	0.95	0.81	0.81	0.81	0.95	0.95	0.95
Lanes:	0.00	2.00	1.00	1.00	2.00	0.00	1.97	0.03	1.00	0.00	0.00	0.00
Final Sat.:	0	3430	1534	1715	3430	0	3020	48	1534	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.18	0.30	0.08	0.15	0.00	0.25	0.25	0.42	0.00	0.00	0.00
Crit Moves:			****	****					****			
Green/Cycle:	0.00	0.34	0.34	0.10	0.43	0.00	0.48	0.48	0.48	0.00	0.00	0.00
Volume/Cap:	0.00	0.55	0.88	0.88	0.34	0.00	0.52	0.52	0.88	0.00	0.00	0.00
Delay/Veh:	0.0	27.5	47.4	83.3	19.0	0.0	18.5	18.5	35.7	0.0	0.0	0.0
User DelAdj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
AdjDel/Veh:	0.0	26.2	45.3	79.5	18.2	0.0	17.7	17.7	34.1	0.0	0.0	0.0
HCM2kAvg:	0	8	17	7	5	0	10	10	21	0	0	0

APPENDIX E

CALTRANS ILV CALCULATION SHEETS

EX - AM

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

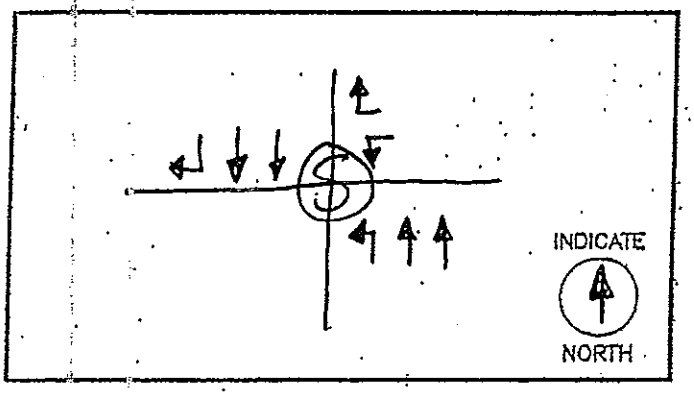
INTERSECTION I-8 WB Ramps / Los Coches Road

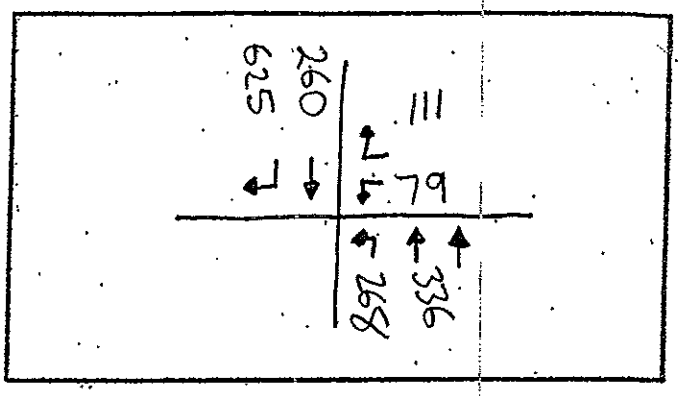
DIST. CO. RTE. P.M. _____

BY _____ DATE _____

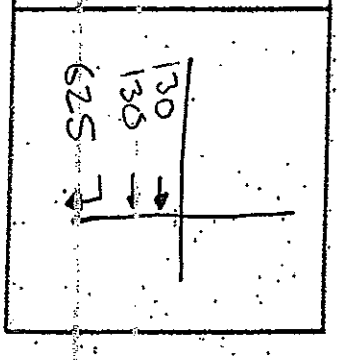
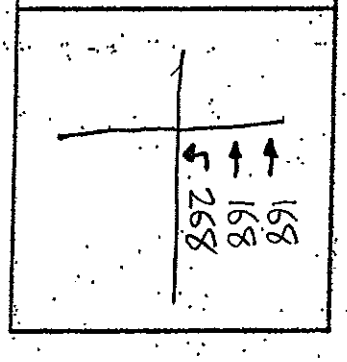
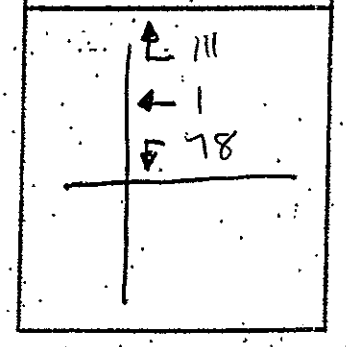
TIME _____ AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
625	268	111	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1004

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: under

ex - PM

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

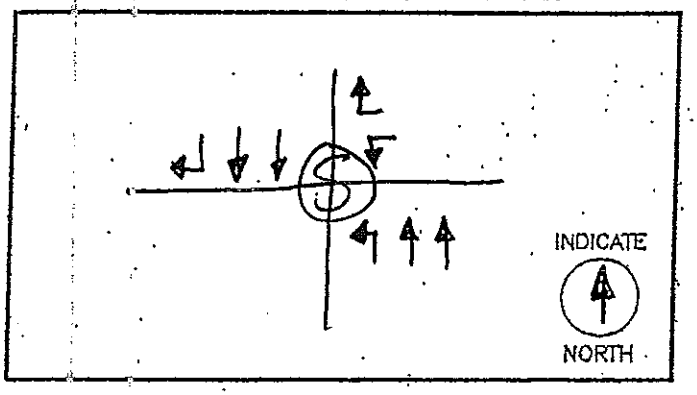
INTERSECTION I-8 WB Ramps / Los Coches Road

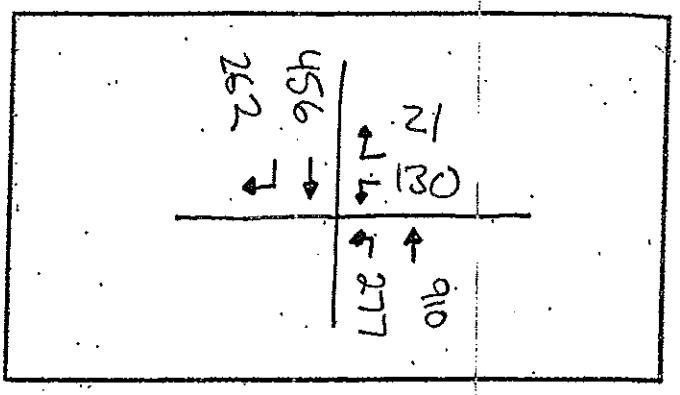
DIST. CO. RTE. P.M. _____

BY _____ DATE _____

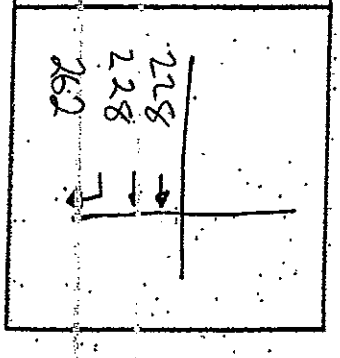
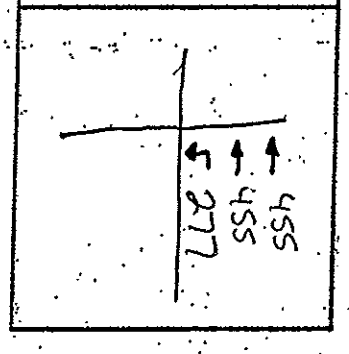
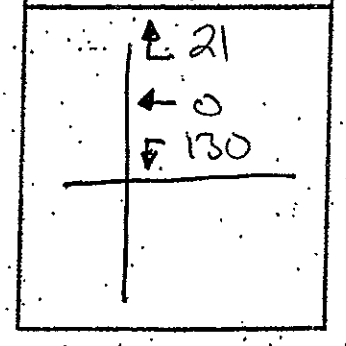
TIME _____ AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
262	455	130	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
847

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: under

exp - AM

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

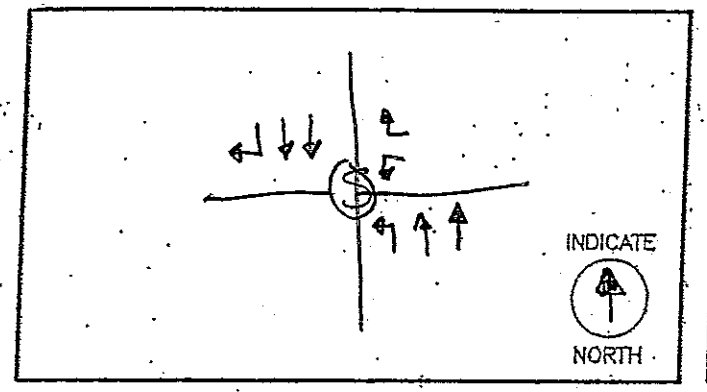
INTERSECTION Los Coches Rd
I-8 WB Ramps

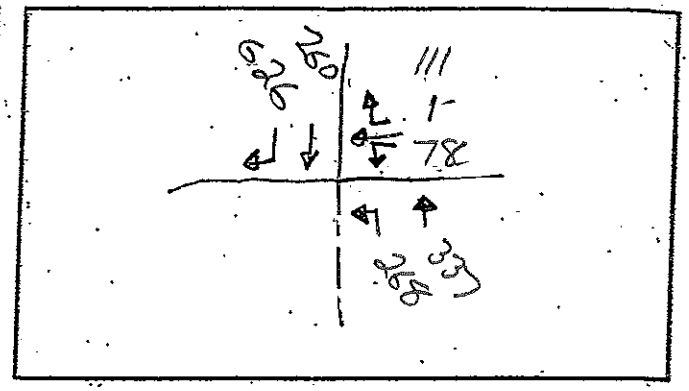
DIST. CO. RTE. P.M. _____

BY _____ DATE _____

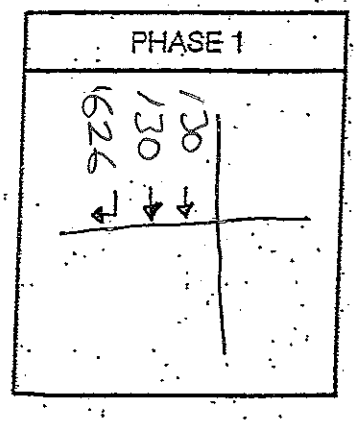
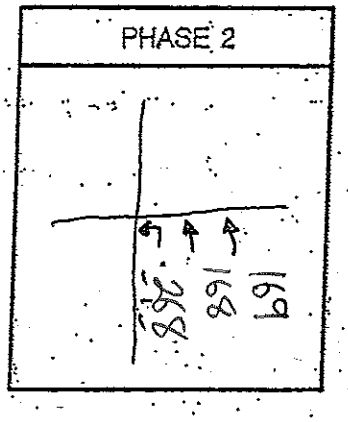
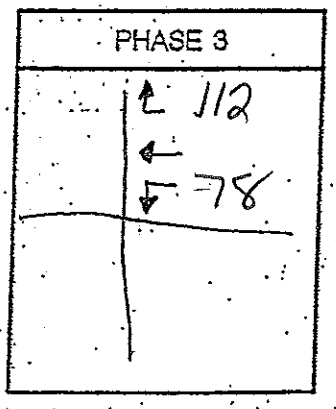
TIME AM AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
626	268	112	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1,006

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS:

Under Capacity

exp - PM

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

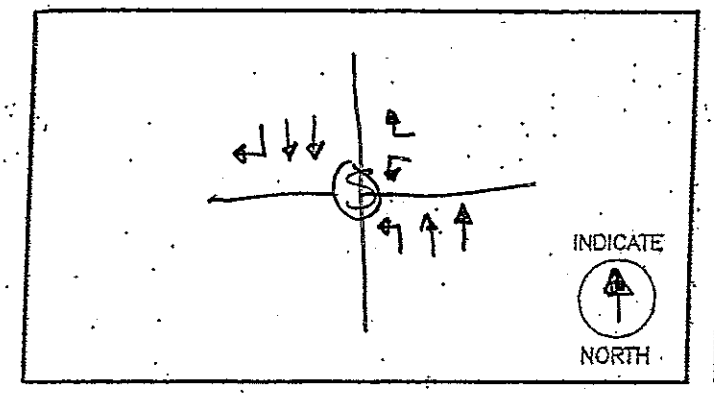
INTERSECTION Los Coches Rd
I-8 WB Ramps

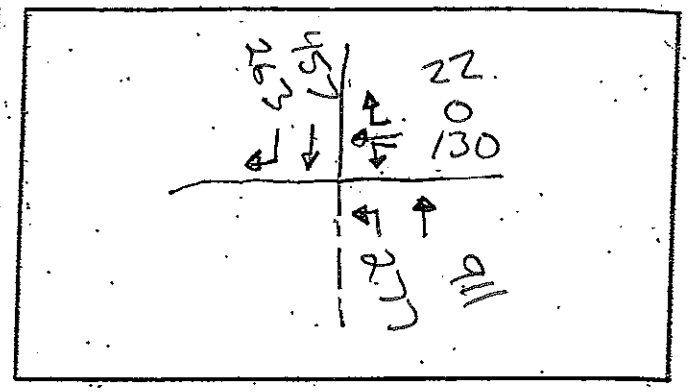
DIST. CO. RTE. P.M. _____

BY _____ DATE _____

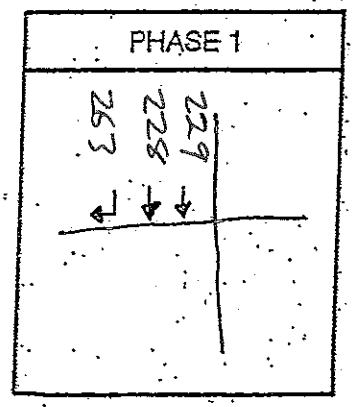
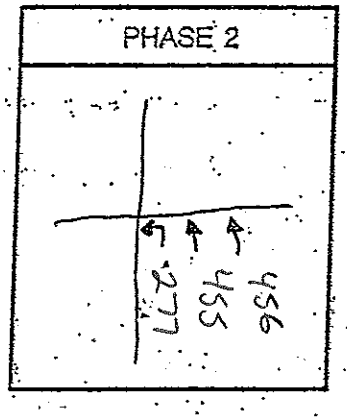
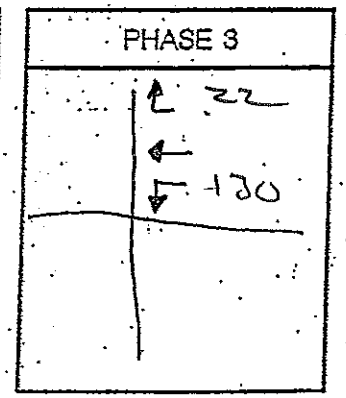
TIME AM AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
263	456	130	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
849

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS:

Under Capacity

ex+p+tp-AM

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

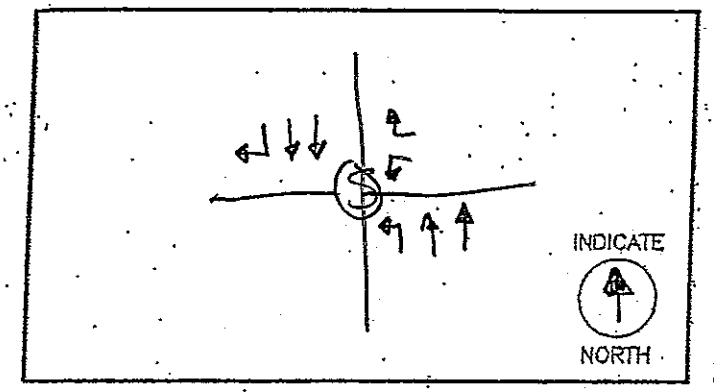
INTERSECTION Los Coches Rd
I-8 WB Ramps

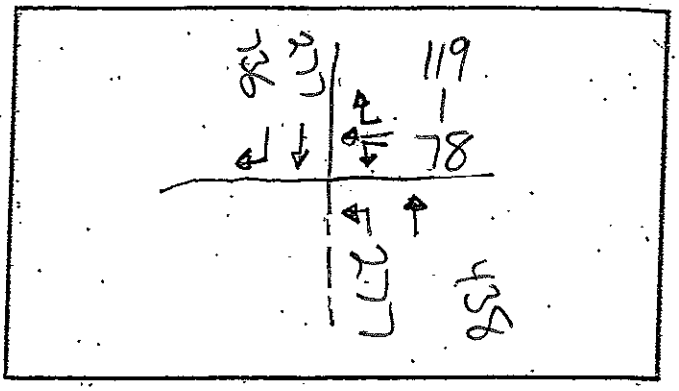
DIST. CO. RTE. P.M. _____

BY _____ DATE _____

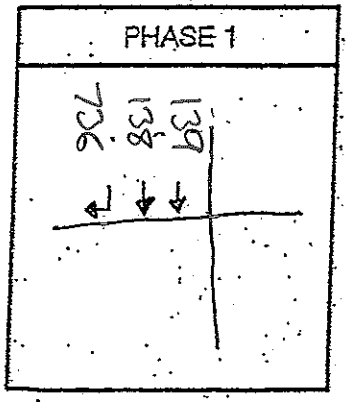
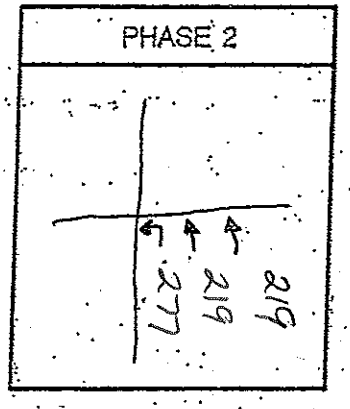
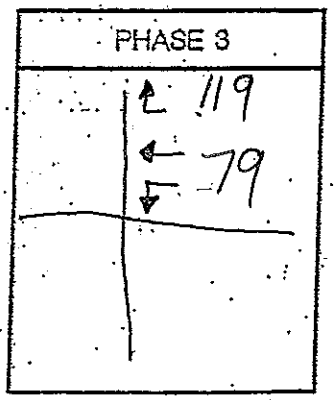
TIME AM AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
736	277	119	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1,132

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS:

Under Capacity

ex+p+cp - PM

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

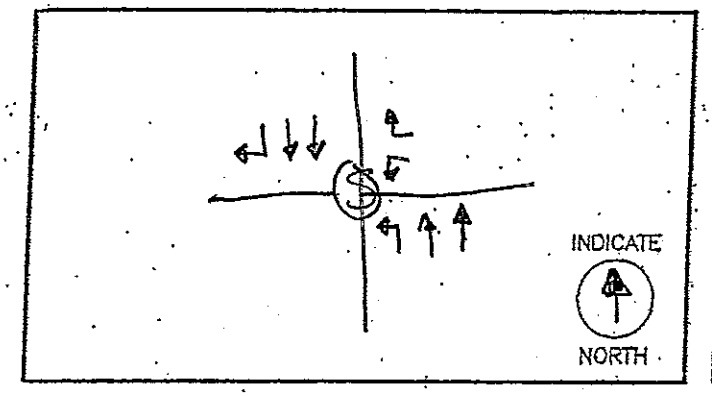
INTERSECTION Los Coches Rd
I-8 WB Ramps

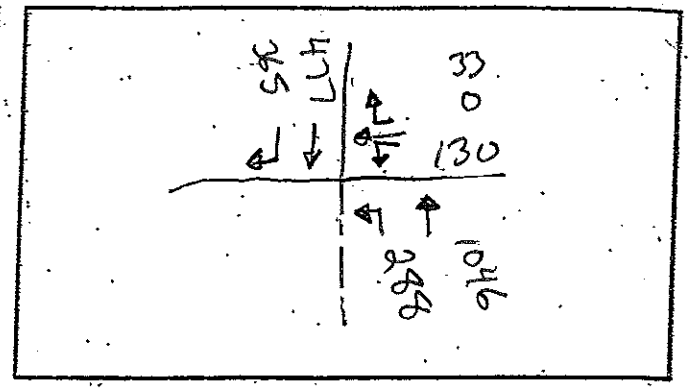
DIST. CO. RTE. P.M. _____

BY _____ DATE _____

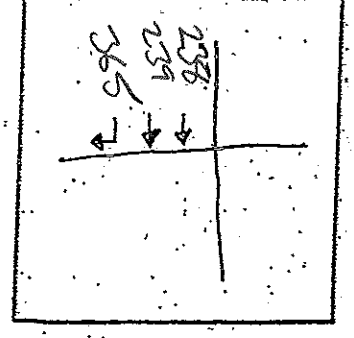
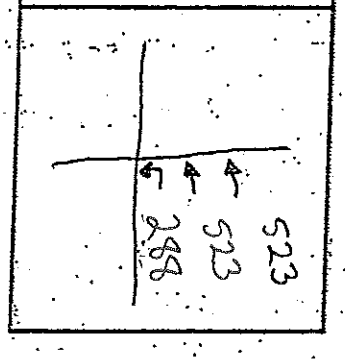
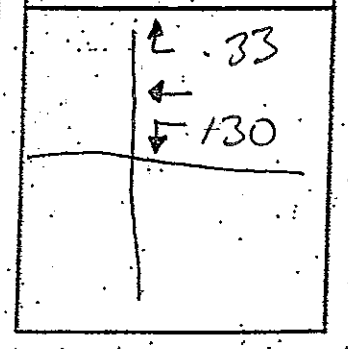
TIME _____ AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
365	523	130	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1018

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS:

Under Capacity

ex-AM

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

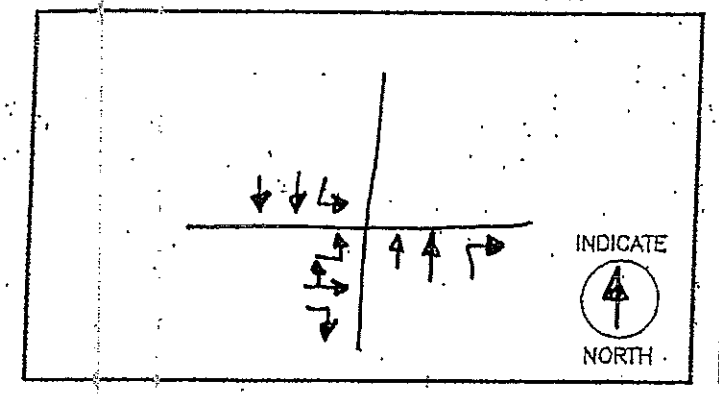
INTERSECTION I-8 EB Ramps / Los Coches Road

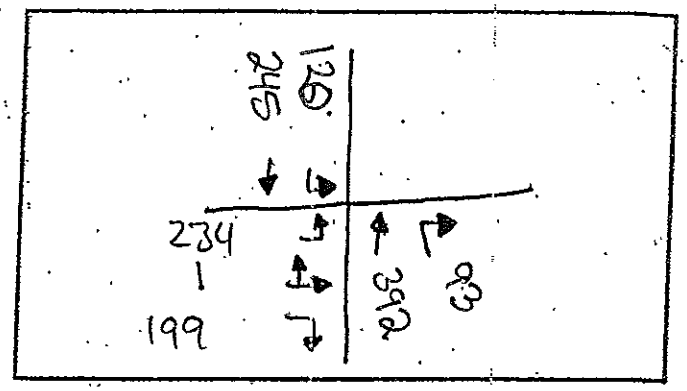
DIST. CO. RTE. P.M. _____

BY _____ DATE _____

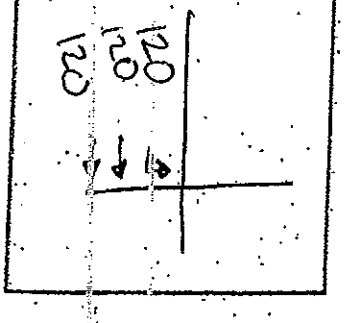
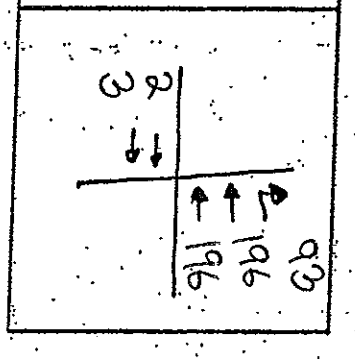
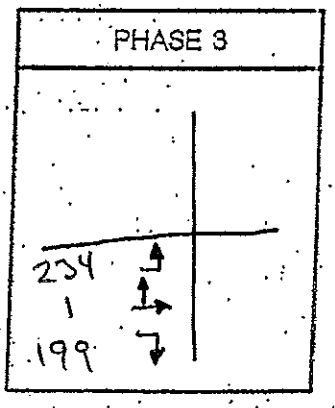
TIME _____ AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
120	196	234	

TOTAL OPERATING LEVEL (ILV/HR) IS . . . ☒ < 1200 ILV/HR.

Σ
550

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS:

under

ex-PM

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

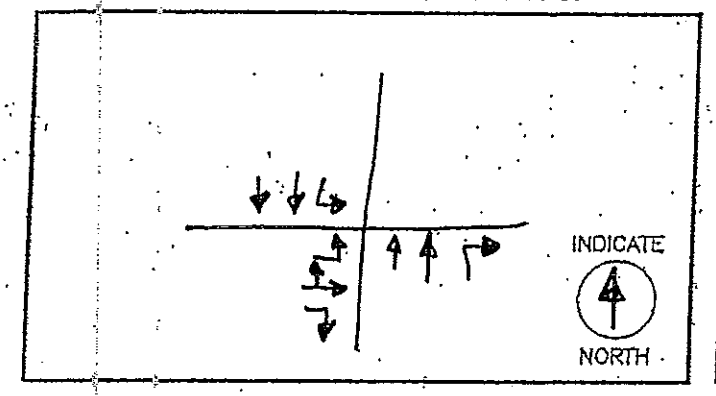
INTERSECTION I-8 EB Ramps / Los Coches Road

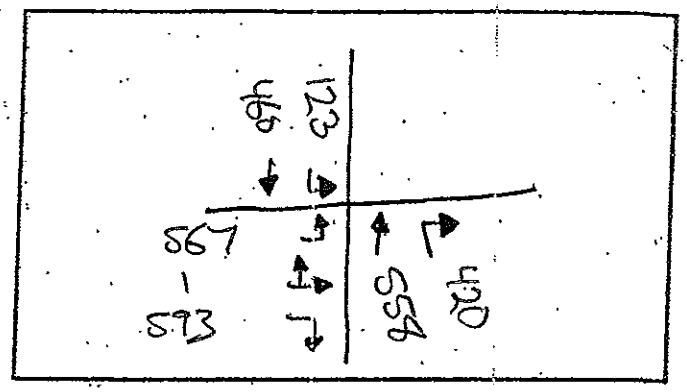
DIST. CO. RTE. P.M. _____

BY _____ DATE _____

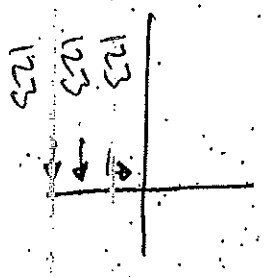
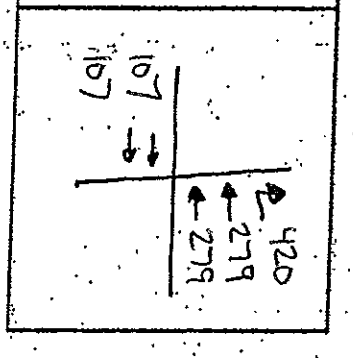
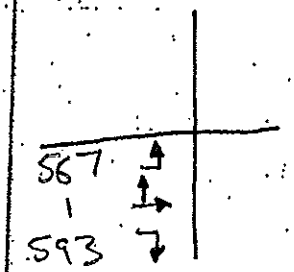
TIME _____ AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
123	420	593	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1136

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS:

under

ex+p - AM

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

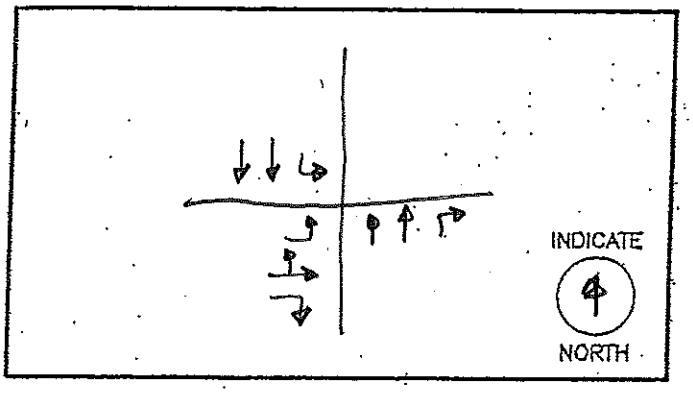
INTERSECTION Los Coches Rd. / I-8 EB Ramps

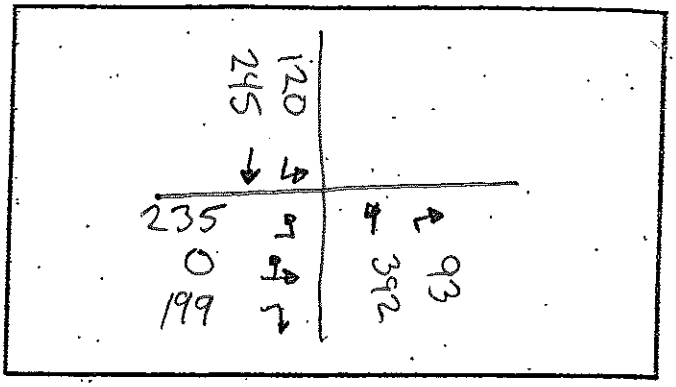
DIST. CO. RTE. P.M. _____

BY _____ DATE _____

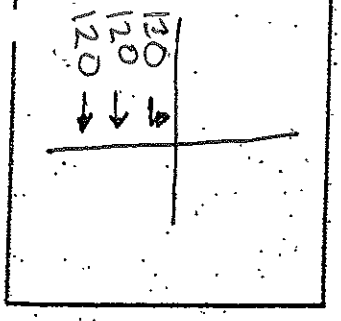
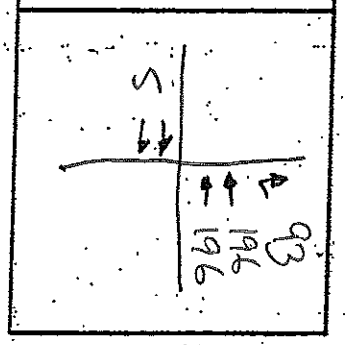
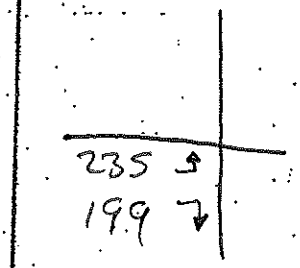
TIME _____ AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
120	196	235	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
551

☑ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

under

REMARKS:

ex+p - PM

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

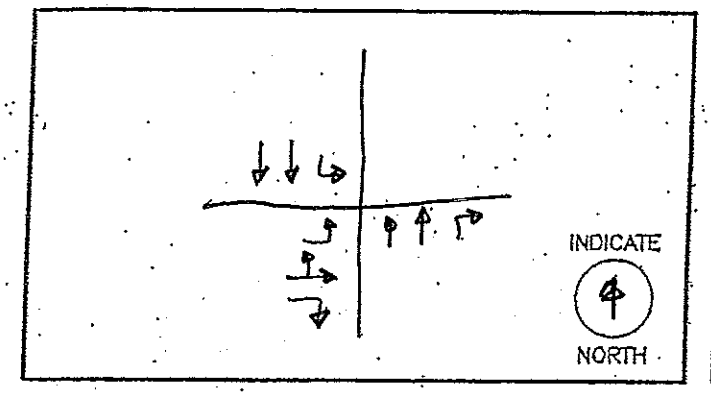
INTERSECTION Los Coches Rd / I-8 EB Ramps

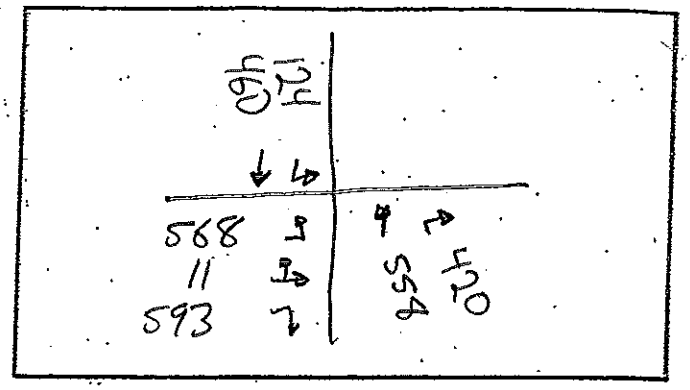
DIST. CO. RTE. P.M. _____

BY _____ DATE _____

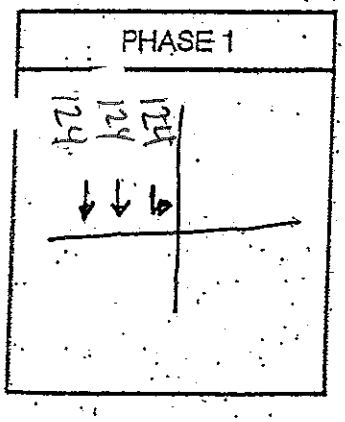
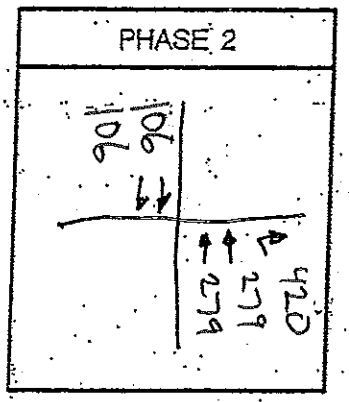
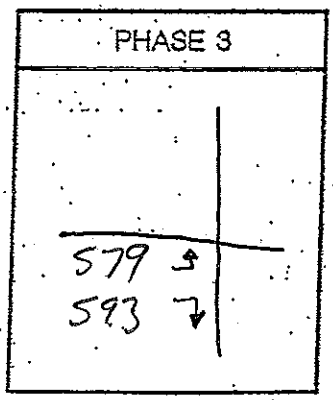
TIME _____ AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
124	420	593	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1137

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

Under

REMARKS:

ex+p+cp - AM

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

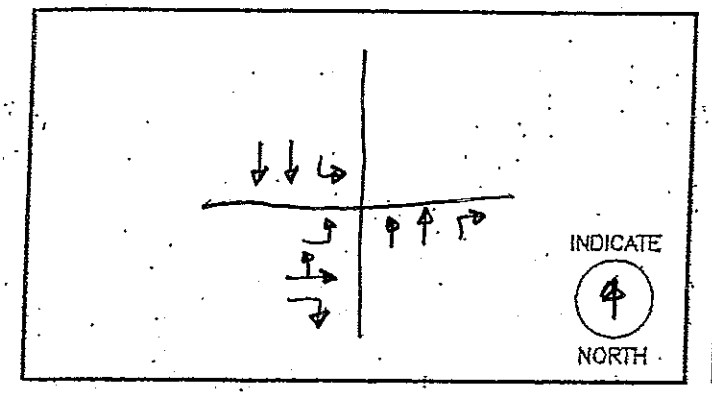
INTERSECTION Los Coches Rd / I-8 EB Ramps

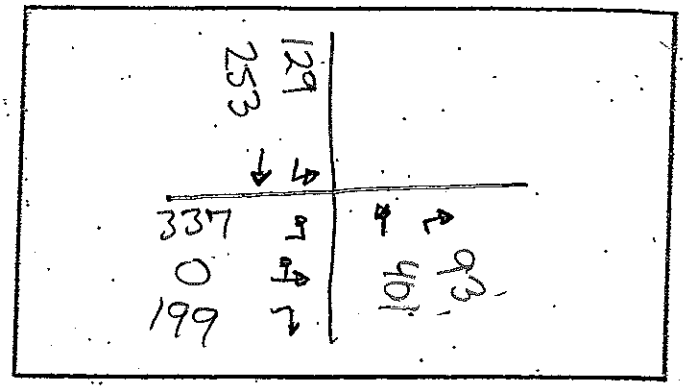
DIST. CO. RTE. P.M. _____

BY _____ DATE _____

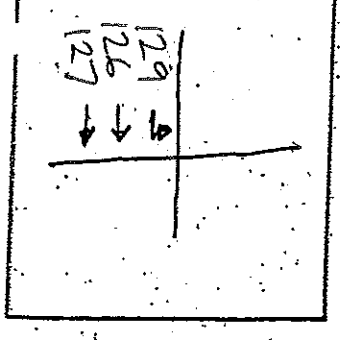
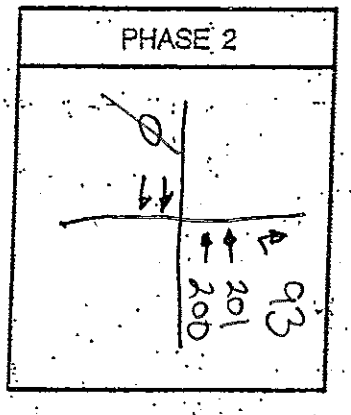
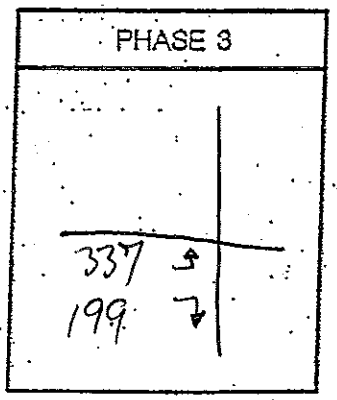
TIME _____ AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
129	201	337	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
667

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS:

ex+p+cp- PM

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

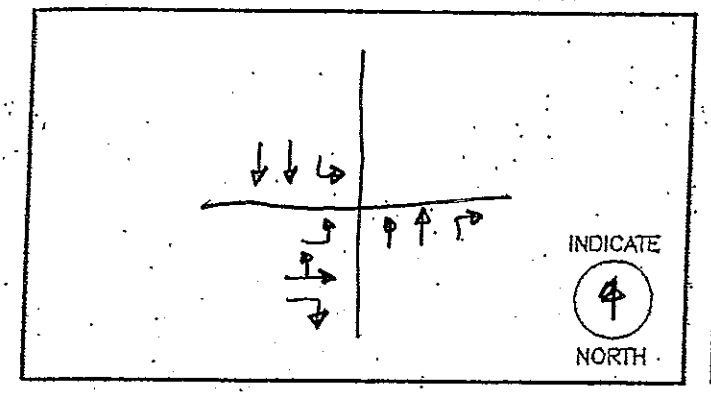
INTERSECTION Los Coches Rd
I-8 EB Ramps

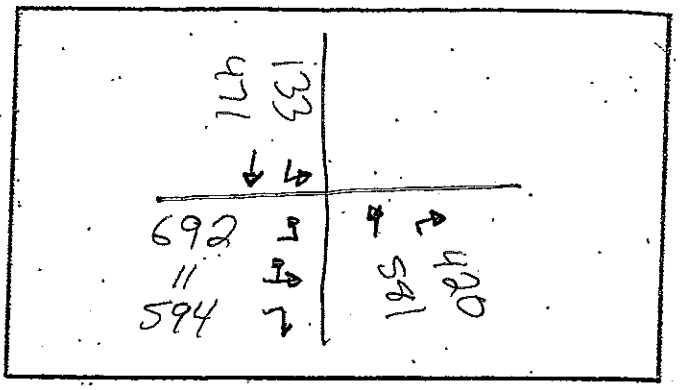
DIST. CO. RTE. P.M. _____

BY _____ DATE _____

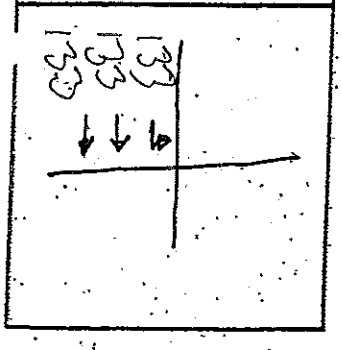
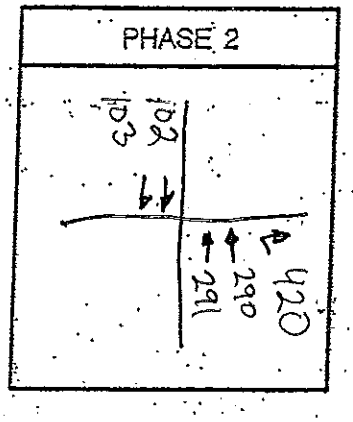
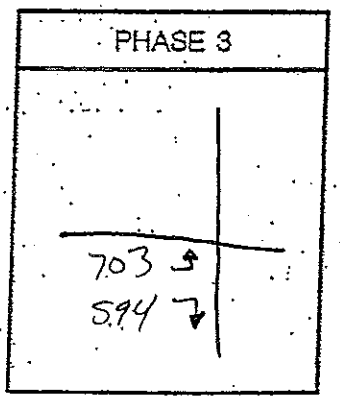
TIME _____ AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
133	420	703	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1,256

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

Near

REMARKS:

APPENDIX F

County of San Diego Street Classification Table

County of San Diego
DRAFT

August 11, 1998

TABLE 1

AVERAGE DAILY VEHICLE TRIPS

CIRCULATION ELEMENT ROADS		LEVEL OF SERVICE				
CLASS	X-SECTION	A	B	C	D	E
Expressway	126/146	<36,000	<54,000	<70,000	<86,000	<108,000
Prime Arterial	102/122	<22,200	<37,000	<44,600	<50,000	<57,000
Major Road	78/98	<14,800	<24,700	<29,600	<33,400	<37,000
Collector	64/84	<13,700	<22,800	<27,400	<30,800	<34,200
Town Collector	54/74	<3,000	<6,000	<9,500	<13,500	<19,000
Light Collector	40/60	<1,900	<4,100	<7,100	<10,900	<16,200
Rural Collector	40/84	<1,900	<4,100	<7,100	<10,900	<16,200
Rural Light Collector	40/60	<1,900	<4,100	<7,100	<10,900	<16,200
Recreational Parkway	40/100	<1,900	<4,100	<7,100	<10,900	<16,200
Rural Mountain	40/100	<1,900	<4,100	<7,100	<10,900	<16,200

NON-CIRCULATION ELEMENT ROADS		LEVEL OF SERVICE				
CLASS	X-SECTION	A	B	C	D	E
Residential Collector	40/60	*	*	<4,500	*	*
Residential Road	36/56	*	*	<1,500	*	*
Residential Cul-de-sac or Loop Road	32/52	*	*	< 200	*	*

* Levels of service are not applicable to residential streets since their primary purpose is to serve abutting lots, not carry through traffic. Levels of service normally apply to roads carrying through traffic between major trip generators and attractors.