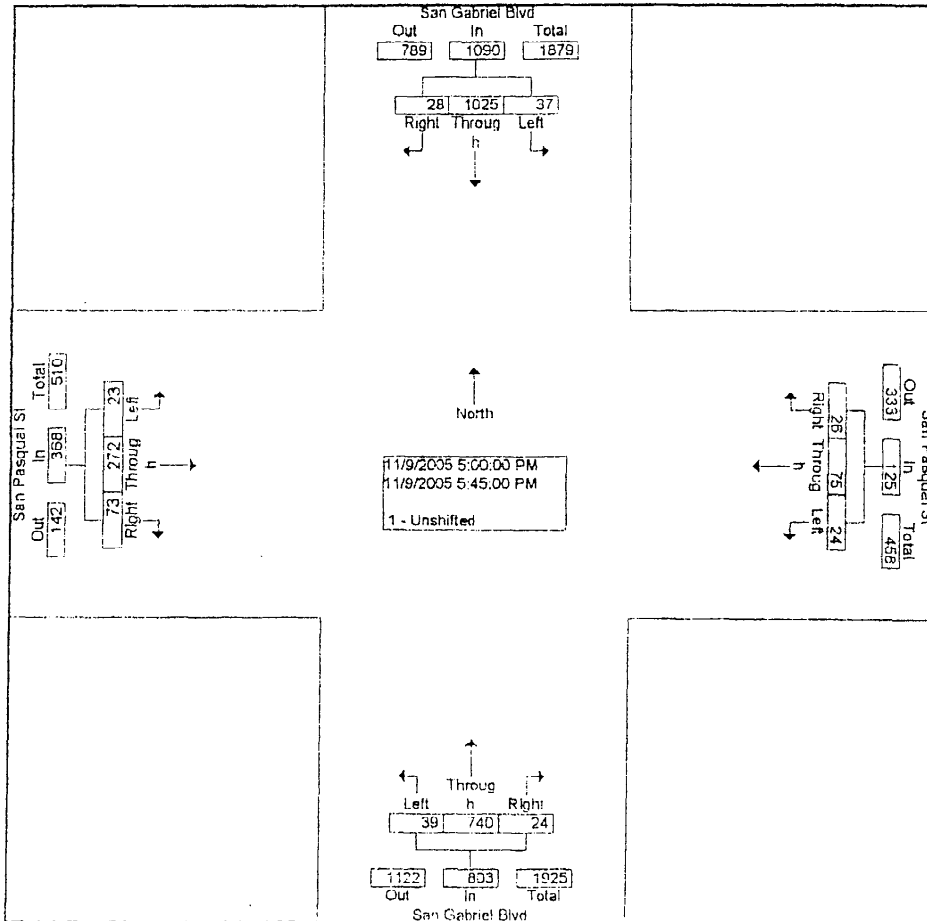


City Traffic Counters
(626) 256-4171

File Name : sangpasq
Site Code : 00000000
Start Date : 11/9/2005
Page No : 3

Start Time	San Gabriel Blvd Southbound				San Pasqual St Westbound				San Gabriel Blvd Northbound				San Pasqual St Eastbound				Int. Total		
	Left	Thro u g h	Right	App. Total	Left	Thro u g h	Right	App. Total	Left	Thro u g h	Right	App. Total	Left	Thro u g h	Right	App. Total			
Peak Hour From 12:00 PM to 05:45 PM - Peak 1 of 1																			
Intersection	05:00 PM																		
Volume	37	1025	28	1090	24	75	26	125	39	740	24	803	23	272	73	368	2386		
Percent	3.4	94.0	2.6		19.2	60.0	20.8		4.9	92.2	3.0		6.3	73.9	19.8				
05:15 Volume	7	280	9	296	6	20	4	30	6	185	5	196	6	79	16	101	623		
Peak Factor	0.957																		
High Int.	05:15 PM																		
Volume	7	280	9	296	05:30 PM	4	25	9	38	05:45 PM	12	225	9	246	05:30 PM	6	71	27	104
Peak Factor	0.921				0.822				0.816				0.885						



City Traffic Counters
(626) 256-4171

File Name : elndel
Site Code : 00000000
Start Date : 11/9/2005
Page No : 1

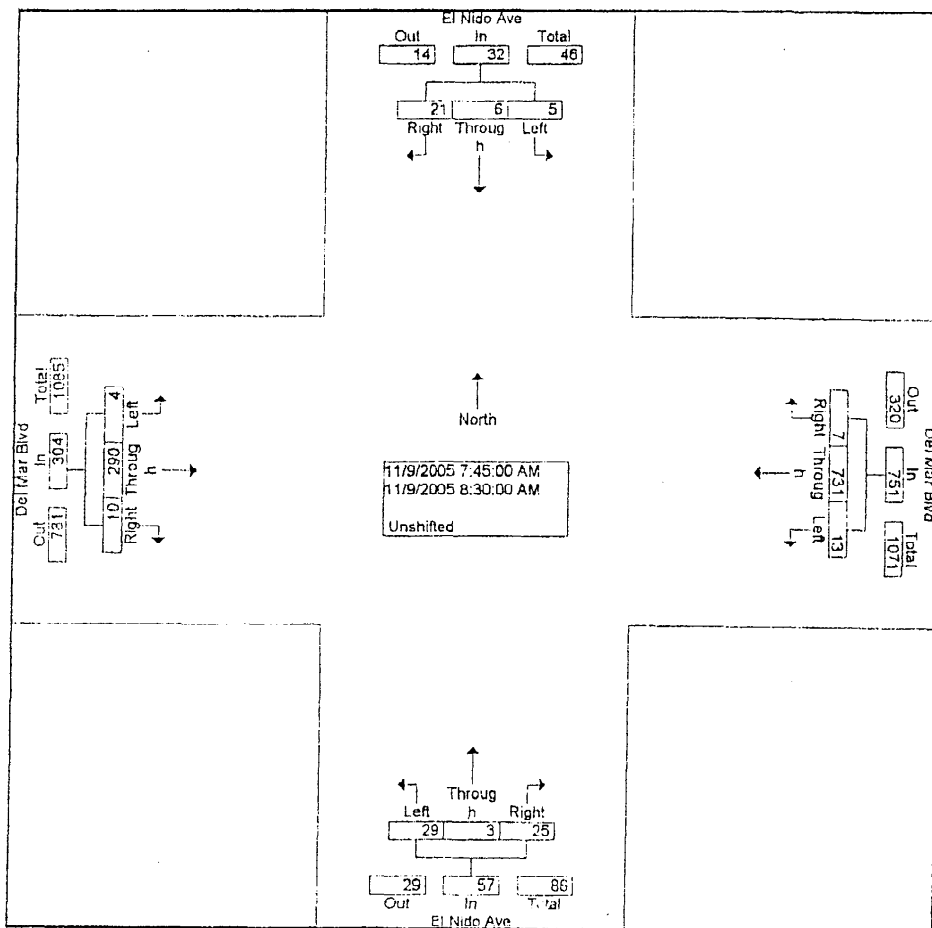
Groups Printed- Unshifted

Start Time	El Nido Ave Southbound			Del Mar Blvd Westbound			El Nido Ave Northbound			Del Mar Blvd Eastbound			Int. Total
	Left	Throug h	Right	Left	Throug h	Right	Left	Throug h	Right	Left	Throug h	Right	
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	2	2	3	2	95	2	1	1	3	2	29	2	144
07:15 AM	0	2	9	5	107	0	9	4	8	0	46	0	190
07:30 AM	1	1	5	5	142	2	8	2	3	0	53	0	222
07:45 AM	1	4	3	6	190	2	8	0	5	3	79	2	303
Total	4	9	20	18	534	6	26	7	19	5	207	4	859
08:00 AM	3	1	2	2	178	2	7	0	8	0	58	2	263
08:15 AM	1	1	6	3	181	1	6	0	9	1	68	4	281
08:30 AM	0	0	10	2	182	2	8	3	3	0	85	2	297
08:45 AM	2	1	4	7	170	3	5	1	3	1	101	3	301
Total	6	3	22	14	711	8	26	4	23	2	312	11	1142
04:00 PM	2	1	4	10	112	2	5	2	9	1	206	18	372
04:15 PM	3	1	2	6	91	0	7	2	6	3	194	7	322
04:30 PM	1	0	5	4	79	2	9	1	4	4	219	3	331
04:45 PM	3	2	1	5	81	0	15	2	12	3	219	12	355
Total	9	4	12	25	363	4	36	7	31	11	838	40	1380
05:00 PM	2	6	9	0	78	3	10	4	10	7	245	8	382
05:15 PM	1	0	8	8	100	5	4	5	4	6	262	14	417
05:30 PM	2	2	4	5	96	0	7	1	7	5	250	7	386
05:45 PM	2	4	11	2	106	2	4	1	5	3	253	9	402
Total	7	12	32	15	380	10	25	11	26	21	1010	38	1587
Grand Total	26	28	86	72	1988	28	113	29	99	39	2367	93	4968
Approch %	18.6	20.0	61.4	3.4	95.2	1.3	46.9	12.0	41.1	1.6	94.7	3.7	
Total %	0.5	0.6	1.7	1.4	40.0	0.6	2.3	0.6	2.0	0.8	47.6	1.9	

City Traffic Counters
(626) 256-4171

File Name : elndel
Site Code : 00000000
Start Date : 11/9/2005
Page No : 2

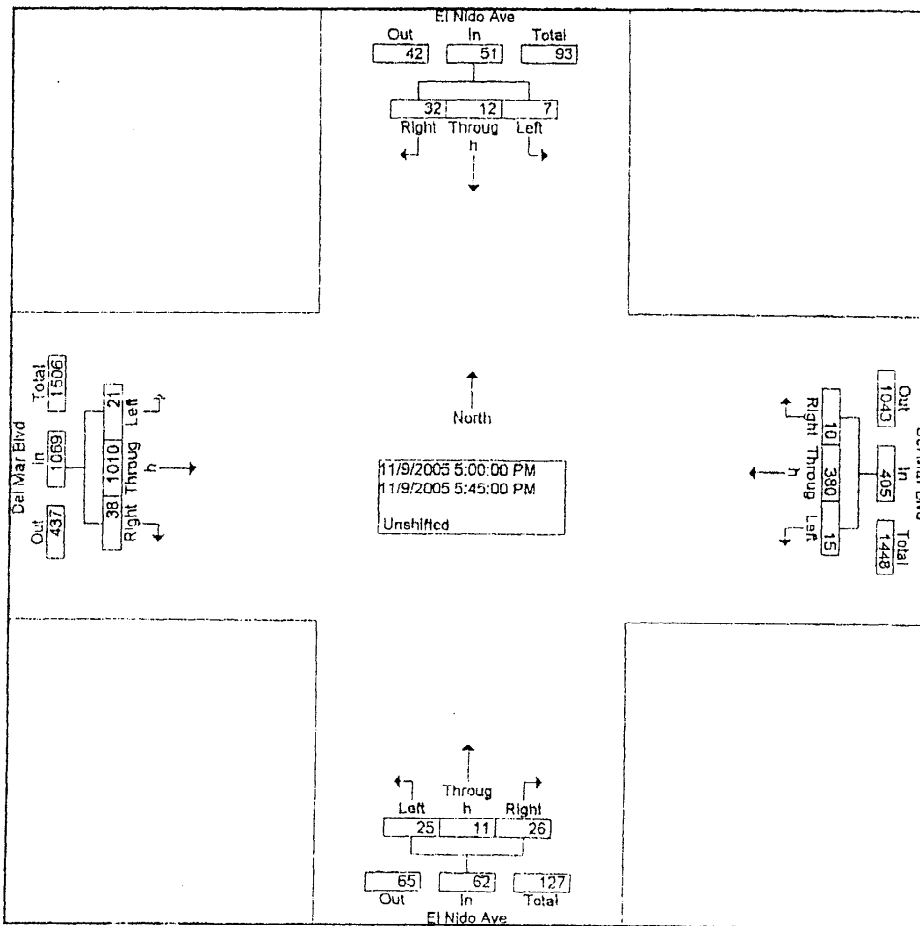
Start Time	El Nido Ave Southbound				Del Mar Blvd Westbound				El Nido Ave Northbound				Del Mar Blvd Eastbound				Int. Total
	Left	Thro u g h	Right	App. Total	Left	Thro u g h	Right	App. Total	Left	Thro u g h	Right	App. Total	Left	Thro u g h	Right	App. Total	
Peak Hour From 07:00 AM to 11:45 AM - Peak 1 of 1																	
Intersection	07:45 AM																
Volume	5	6	21	32	13	731	7	751	29	3	25	57	4	290	10	304	1144
Percent	15.6	18.8	65.6		1.7	97.3	0.9		50.9	5.3	43.9		1.3	95.4	3.3		
07:45	1	4	3	8	6	190	2	198	8	0	5	13	3	79	2	84	303
Peak Factor	0.944																
High Int.	08:30 AM																
Volume	0	0	10	10	6	190	2	198	7	0	8	15	0	85	2	87	874
Peak Factor	0.800																



City Traffic Counters
(626) 256-4171

File Name : elndel
Site Code : 00000000
Start Date : 11/9/2005
Page No : 3

Start Time	El Nido Ave Southbound				Del Mar Blvd Westbound				El Nido Ave Northbound				Del Mar Blvd Eastbound				Int. Total
	Left	Thro u g h	Right	App. Total	Left	Thro u g h	Right	App. Total	Left	Thro u g h	Right	App. Total	Left	Thro u g h	Right	App. Total	
Peak Hour From 12:00 PM to 05:45 PM - Peak 1 of 1																	
Intersection	05:00 PM																
Volume	7	12	32	51	15	380	10	405	25	11	26	62	21	1010	38	1069	1587
Percent	13.7	23.5	62.7		3.7	93.8	2.5		40.3	17.7	41.9		2.0	94.5	3.6		
05:15																	
Volume	1	0	8	9	8	100	5	113	4	5	4	13	6	262	14	282	417
Peak Factor	0.951																
High Int.																	
Volume	2	6	9	17	8	100	5	113	10	4	10	24	6	262	14	282	
Peak Factor	0.750				0.896				0.646				0.948				



City Traffic Counters
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File Name : NidoPasqual
Site Code : 00000000
Start Date : 11/9/2005
Page No : 1

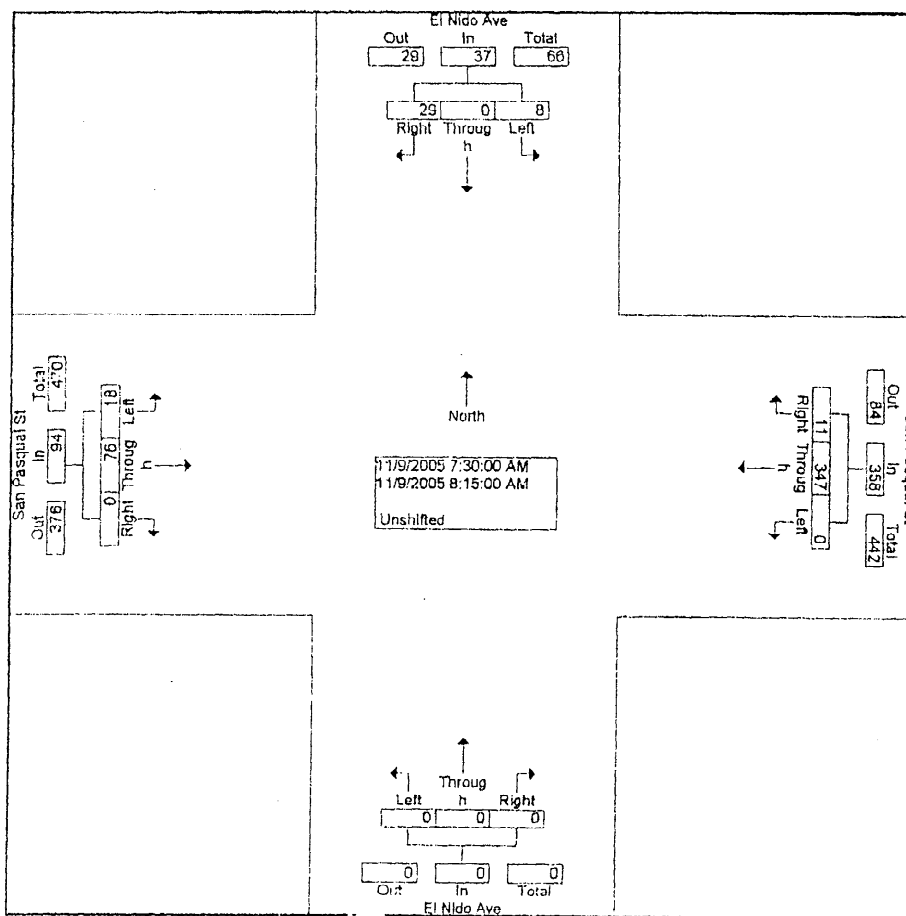
Groups Printed- Unshifted

Start Time	El Nido Ave Southbound			San Pasqual St Westbound			El Nido Ave Northbound			San Pasqual St Eastbound			Int. Total
	Left	Throug h	Right	Left	Throug h	Right	Left	Throug h	Right	Left	Throug h	Right	
Factor	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
07:00 AM	3	0	1	0	49	0	0	0	0	0	6	0	59
07:15 AM	2	0	5	0	51	3	0	0	0	2	11	0	74
07:30 AM	3	0	7	0	91	1	0	0	0	0	14	0	116
07:45 AM	4	0	11	0	106	1	0	0	0	4	19	0	145
Total	12	0	24	0	297	5	0	0	0	6	50	0	394
08:00 AM	0	0	2	0	89	5	0	0	0	8	15	0	119
08:15 AM	1	0	9	0	61	4	0	0	0	6	28	0	109
08:30 AM	1	0	2	0	71	3	0	0	0	3	18	0	98
08:45 AM	3	0	2	0	61	2	0	0	0	2	18	0	88
Total	5	0	15	0	282	14	0	0	0	19	79	0	414
04:00 PM	10	0	9	0	48	1	0	0	0	4	48	0	120
04:15 PM	7	0	6	0	17	1	0	0	0	1	53	0	85
04:30 PM	3	0	2	0	11	2	0	0	0	5	44	0	67
04:45 PM	7	0	5	0	25	0	0	0	0	6	61	0	104
Total	27	0	22	0	101	4	0	0	0	16	206	0	376
05:00 PM	6	0	2	0	20	4	0	0	0	8	68	0	108
05:15 PM	5	0	7	0	15	0	0	0	0	3	90	0	120
05:30 PM	3	0	4	0	28	1	0	0	0	2	76	0	114
05:45 PM	2	0	8	0	23	3	0	0	0	5	65	0	106
Total	16	0	21	0	86	8	0	0	0	18	299	0	448
Grand Total	60	0	82	0	766	31	0	0	0	59	634	0	1632
Apprch %	42.3	0.0	57.7	0.0	96.1	3.9	0.0	0.0	0.0	8.5	91.5	0.0	
Total %	3.7	0.0	5.0	0.0	46.9	1.9	0.0	0.0	0.0	3.6	38.8	0.0	

City Traffic Counters
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File Name : NidoPasqual
Site Code : 00000000
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Page No : 2

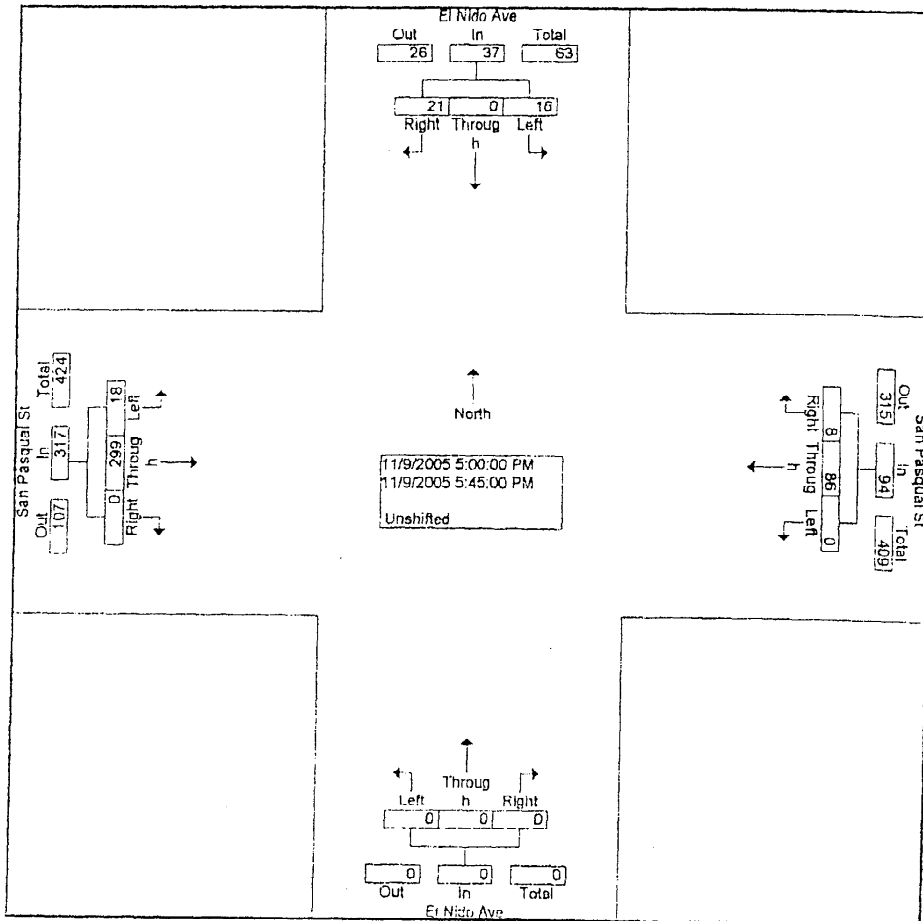
Start Time	El Nido Ave Southbound				San Pasqual St Westbound				El Nido Ave Northbound				San Pasqual St Eastbound				Int. Total
	Left	Thro u g h	Right	App. Total	Left	Thro u g h	Right	App. Total	Left	Thro u g h	Right	App. Total	Left	Thro u g h	Right	App. Total	
Peak Hour From 07:00 AM to 11:45 AM - Peak 1 of 1																	
Intersection	07:30 AM																
Volume	8	0	29	37	0	347	11	358	0	0	0	0	18	76	0	94	489
Percent	21.6	0.0	78.4		0.0	96.9	3.1		0.0	0.0	0.0		19.1	80.9	0.0		
07:45	07:45 AM																
Volume	4	0	11	15	0	106	1	107	0	0	0	0	4	19	0	23	145
Peak Factor																	
High Int.	07:45 AM																
Volume	4	0	11	15	0	106	1	107	0	0	0	0	6	28	0	34	0.843
Peak Factor	0.617				0.836								0.691				



City Traffic Counters
(626) 256-4171

File Name : NidoPasqual
Site Code : 00000000
Start Date : 11/9/2005
Page No : 3

Start Time	El Nido Ave Southbound				San Pasqual St Westbound				El Nido Ave Northbound				San Pasqual St Eastbound				Int. Total
	Left	Thro u g h	Right	App. Total	Left	Thro u g h	Right	App. Total	Left	Thro u g h	Right	App. Total	Left	Thro u g h	Right	App. Total	
Peak Hour From 12:00 PM to 05:45 PM - Peak 1 of 1																	
Intersection	05:00 PM																
Volume	16	0	21	37	0	86	8	94	0	0	0	0	18	299	0	317	448
Percent	43.2	0.0	56.8		0.0	91.5	8.5		0.0	0.0	0.0		5.7	94.3	0.0		
Volume	5	0	7	12	0	15	0	15	0	0	0	0	3	90	0	93	120
Peak Factor																	0.933
High Int.	05:15 PM				05:30 PM								05:15 PM				
Volume	5	0	7	12	0	28	1	29	0	0	0	0	3	90	0	93	
Peak Factor	0.771								0.810								0.852



APPENDIX B
Intersection Level of Service Worksheets
Existing Conditions



JAE512 - Monte Vista Grove Homes TIS
 City of Pasadena
 Existing AM

Scenario Report

Existing AM

Command
 Volume
 Geometry
 Impact Fee
 Trip Generation
 Trip Distribution
 Paths
 Rules
 Configuration

Existing AM
 Existing AM
 Existing AM
 Existing AM
 Existing AM
 Existing AM
 Existing AM
 Existing AM

Scenario Report
 Existing AM
 Existing AM
 Existing AM
 Existing AM
 Existing AM
 Existing AM
 Existing AM

JAE512 - Monte Vista Grove Homes TIS
 City of Pasadena
 Existing AM

Turning Movement Report

AM

Volume Type	Northbound	Southbound	Eastbound	Westbound	Total
	Left Thru Right	Left Thru Right	Left Thru Right	Left Thru Right	Left Thru Right Colsum
#1 San Gabriel & Del Mar					
Base	267 1037 59	39 681 51	43 251 79	37 142 35	3221
Added	0 0 0	0 0 0	0 0 0	0 0 0	0
Total	267 1037 59	39 681 51	43 251 79	37 142 35	3221
#2 San Gabriel & San Pascual					
Base	91 1246 19	18 722 18	19 74 18	24 316 39	2626
Added	0 0 0	0 0 0	0 0 0	0 0 0	0
Total	91 1246 19	18 722 18	19 74 18	24 316 39	2626
#3 El Niño & Del Mar					
Base	29 3 25	5 6 21	4 290 10	13 711 7	1144
Added	0 0 0	0 0 0	0 0 0	0 0 0	0
Total	29 3 25	5 6 21	4 290 10	13 711 7	1144
#4 El Niño & San Pascual					
Base	0 0 0	0 0 0	29 16 76	0 347 11	462
Added	0 0 0	0 0 0	0 0 0	0 0 0	0
Total	0 0 0	0 0 0	29 16 76	0 347 11	462

JAE512 - Monte Vista Grove Homes TIS
City of Pasadena
Existing AM

Intersection Volume Report
Future Volume Alternative

Node Intersection	Northbound			Southbound			Eastbound			Westbound		
	L	T	R	L	T	R	L	T	R	L	T	R
1 San Gabriel &	267	1037	59	39	581	51	43	351	79	37	742	35
2 San Gabriel &	91	1248	19	18	722	18	19	74	18	24	336	39
3 El Nido & Del	29	3	25	5	6	21	4	290	10	13	731	7
4 El Nido & San	0	0	0	0	0	0	0	29	18	76	0	0

JAE512 - Monte Vista Grove Homes TIS
City of Pasadena
Existing AM

Intersection Volume Report
Base Volume Alternative

Node Intersection	Northbound			Southbound			Eastbound			Westbound		
	L	T	R	L	T	R	L	T	R	L	T	R
1 San Gabriel &	267	1037	59	39	581	51	43	351	79	37	742	35
2 San Gabriel &	91	1248	19	18	722	18	19	74	18	24	336	39
3 El Nido & Del	29	3	25	5	6	21	4	290	10	13	731	7
4 El Nido & San	0	0	0	0	0	0	0	29	18	76	0	0

JMS12 - Monte Vista Grove Homes TIS
 City of Pasadena
 Existing AM

Impact Analysis Report
 Level of Service

Intersection	Base Del/V	Base V/C	Future Del/V	Future V/C	Change in
# 1 San Gabriel & Del Mar	LOS Veh C	LOS Veh C	LOS Veh C	LOS Veh C	0.000 V/C
# 2 San Gabriel & S. Bayun	C xxxxx 0.734	C xxxxx 0.734	C xxxxx 0.734	C xxxxx 0.734	0.000 V/C
# 3 El Rico & Del Mar	C 15.2 0.000	C 15.2 0.000	C 15.2 0.000	C 15.2 0.000	0.000 D/V
# 4 El Rico & S. Bayun	B 10.8 0.000	B 10.8 0.000	B 10.8 0.000	B 10.8 0.000	0.000 D/V

JMS12 - Monte Vista Grove Homes TIS
 City of Pasadena
 Existing AM

Level of Service Computation Report
 Level of Service Alternative

Intersection #	San Gabriel & Del Mar	San Gabriel & S. Bayun	El Rico & Del Mar	El Rico & S. Bayun
Base Vol	100	100	100	100
Base Adj	100	100	100	100
Initial Bst	59	59	59	59
User Adj	59	59	59	59
PHF Adj	59	59	59	59
PHF Volume	59	59	59	59
Reduced Vol	59	59	59	59
Reduced Vol	59	59	59	59
PCF Adj	59	59	59	59
MLF Adj	59	59	59	59
Final Vol	59	59	59	59

Control	Permitted	Permitted	Permitted	Permitted
Right	0	0	0	0
Left	0	0	0	0
Thru	0	0	0	0
Right	0	0	0	0
Left	0	0	0	0
Thru	0	0	0	0

Volume Module	San Gabriel & Del Mar	San Gabriel & S. Bayun	El Rico & Del Mar	El Rico & S. Bayun
Base Vol	100	100	100	100
Base Adj	100	100	100	100
Initial Bst	59	59	59	59
User Adj	59	59	59	59
PHF Adj	59	59	59	59
PHF Volume	59	59	59	59
Reduced Vol	59	59	59	59
Reduced Vol	59	59	59	59
PCF Adj	59	59	59	59
MLF Adj	59	59	59	59
Final Vol	59	59	59	59

Statistical Flow Module	San Gabriel & Del Mar	San Gabriel & S. Bayun	El Rico & Del Mar	El Rico & S. Bayun
Sat/Phase	1600	1600	1600	1600
Adjustment	1.00	1.00	1.00	1.00
Lanes	1.00	1.00	1.00	1.00
Final Sat	1600	1600	1600	1600

Capacity Analysis Module	San Gabriel & Del Mar	San Gabriel & S. Bayun	El Rico & Del Mar	El Rico & S. Bayun
Vol/Sat	0.17	0.34	0.62	0.20
Crit Moves	0	0	0	0

CA6512 - Monte Vista Office Homes TIS
City of Pasadena
Existing AM

Level of Service Computation Report
Intersection #1 San Gabriel / San Gabriel
Level of Service: C

ICU (Loss as Cycle Length) Method (Base Volume Alternative)
Cycle (sec): 100
Loss Time (sec): 10 (V.R. = 4 sec) Average Delay (sec/veh): 9.55
Optimal Cycle: 53
Level of Service: C

San Gabriel / San Gabriel
Approach: North Bound, South Bound, East Bound, West Bound
Movement: L, T, R, L, T, R, L, T, R, L, T, R
Control: Permitted, Prohibited, Permitted, Prohibited
Rights: Permitted, Prohibited, Permitted, Prohibited
Lanes: 1, 0, 1, 1, 0, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0

Volume Module
Base Vol: 91 1248 19 18 722 18 19 74 18 24 336 39
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 Bst: 91 1248 19 18 722 18 19 74 18 24 336 39
User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Volume: 91 1248 19 18 722 18 19 74 18 24 336 39
Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Final Vol: 91 1248 19 18 722 18 19 74 18 24 336 39

Saturation Flow Module
Sat Sat: 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600
Flow Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Lanes: 1.00 1.97 0.23 1.00 1.95 1.00 1.95 0.23 1.00 1.95 1.00
Final Sat: 1600 3152 48 1600 3122 78 234 1067 259 1600 1334 1660

Capacity Analyze Module
Vol/Sat: 0.06 0.40 0.40 0.01 0.23 0.23 0.01 0.07 0.07 0.02 0.23 0.23
C/F: Moves: ****

CA6512 - Monte Vista Office Homes TIS
City of Pasadena
Existing AM

Level of Service Computation Report
Intersection #1 El Rido & Del Mar
Level of Service: C

ICU (Loss as Cycle Length) Method (Base Volume Alternative)
Cycle (sec): 100
Loss Time (sec): 10 (V.R. = 4 sec) Average Delay (sec/veh): 9.55
Optimal Cycle: 53
Level of Service: C

El Rido & Del Mar
Approach: North Bound, South Bound, East Bound, West Bound
Movement: L, T, R, L, T, R, L, T, R, L, T, R
Control: Permitted, Prohibited, Permitted, Prohibited
Rights: Permitted, Prohibited, Permitted, Prohibited
Lanes: 1, 0, 1, 1, 0, 0, 0, 0, 1, 1, 0, 0, 1, 0, 0, 0

Volume Module
Base Vol: 29 3 25 5 6 21 4 290 30 13 731 7
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 Bst: 29 3 25 5 6 21 4 290 30 13 731 7
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: 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 Volume: 29 3 25 5 6 21 4 290 30 13 731 7
Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0
Final Vol: 29 3 25 5 6 21 4 290 30 13 731 7

Saturation Flow Module
Sat Sat: 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600
Flow Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PHF Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Lanes: 1.00 1.97 0.23 1.00 1.95 1.00 1.95 0.23 1.00 1.95 1.00
Final Sat: 1600 3152 48 1600 3122 78 234 1067 259 1600 1334 1660

Capacity Analyze Module
Vol/Sat: 0.06 0.40 0.40 0.01 0.23 0.23 0.01 0.07 0.07 0.02 0.23 0.23
C/F: Moves: ****

JN6512 - Monte Vista Grove Homes TIS
 City of Pasadena
 Existing PM

Scenario Report

Command
 Volume
 Geometry
 Impact Fee
 Trip Generation
 Trip Distribution
 Paths
 Routes
 Configuration

JN6512 - Monte Vista Grove Homes TIS
 City of Pasadena
 Existing PM

Turning Movement Report

Volume Type	Northbound		Southbound		Eastbound		Westbound		Total				
	Left	Thru	Right	Left	Thru	Right	Left	Thru		Right			
#1 San Gabriel & Del Mar													
Base	95	613	63	64	853	49	38	937	173	59	349	49	3346
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	95	613	63	64	853	49	38	937	173	59	349	49	3346
#2 San Gabriel & San Paqual													
Base	35	740	24	37	1025	28	23	272	73	24	75	26	2386
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	35	740	24	37	1025	28	23	272	73	24	75	26	2386
#3 El Nido & Del Mar													
Base	25	11	26	7	12	32	21	1010	38	15	380	10	1587
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	25	11	26	7	12	32	21	1010	38	15	380	10	1587
#4 El Nido & San Paqual													
Base	0	0	0	16	0	21	18	299	0	0	86	8	448
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	16	0	21	18	299	0	0	86	8	448

Intersection Volume Report
 Future Volume Alternative

Node/Intersection	Northbound			Southbound			Eastbound			Westbound		
	L	T	R	L	T	P	L	T	R	L	T	R
1 San Gabriel &	90	613	63	64	863	49	38	927	171	59	349	49
2 San Gabriel &	16	740	24	37	1025	28	23	272	71	24	73	26
3 El Nido & San	74	11	24	7	12	72	21	1010	38	15	363	13
4 El Nido & San	0	0	0	16	0	21	18	262	0	0	86	6

Intersection Volume Report
 Base Volume Alternative

Node/Intersection	Northbound			Southbound			Eastbound			Westbound		
	L	T	R	L	T	P	L	T	R	L	T	R
1 San Gabriel &	99	613	63	49	863	49	38	617	173	59	349	49
2 San Gabriel &	19	750	24	37	1025	28	23	272	73	24	385	26
3 El Nido & San	28	11	28	7	12	72	18	1010	38	15	362	13
4 El Nido & San	0	0	0	16	0	21	18	239	0	0	86	6

Existing PM Fri Apr 7, 2006 11:15:56 Page 6:3

JN6512 - Monte Vista Grove Homes TIS
 City of Pasadena
 Existing PM

Level of Service Report
 Level of Service Computation Report
 (CV) (Loss as Cycle Length) Method (Base Volume/Alternative)

Intersection: El San Gabriel & Del Mar

Cycle (sec): 100 Critical Vol / Cap. (X): 0.928
 Loss Time (sec): 10 (W+R + 4 sec) Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 73 Level Of Service: D

Street Name: San Gabriel Del Mar

Approach: North Bound South Bound East Bound West Bound

Control: L T R L T R L T R L T R

Right: Permitted Permitted Permitted Permitted

Min. Green: 0 10 0 0 10 0 0 0 10 0 0 0 0 0

Lanes: 1 0 1 1 0 1 0 1 1 0 1 0 1 1 0

Volume Module

Base Vol: 99 613 63 64 853 49 38 937 173 59 349 49

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 Base: 99 613 63 64 853 49 38 937 173 59 349 49

PHF Adj: 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 Volume: 99 613 63 64 853 49 38 937 173 59 349 49

Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0

FCE Adj: 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: 99 613 63 64 853 49 38 937 173 59 349 49

Saturation Flow Module

Sat/Lane: 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600

Adjustment: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Lanes: 1.00 1.81 0.19 1.00 1.89 0.11 1.00 1.69 0.31 1.00 1.75 0.25

Final Sat: 1600 2902 298 1600 3026 174 1600 2701 499 1600 2806 394

Capacity Analysis Module

Vol/Sat: 0.06 0.21 0.21 0.04 0.28 0.28 0.02 0.35 0.35 0.01 0.12 0.12

Crit Moves: **** **** **** **** **** **** **** **** **** **** ****

Existing PM Fri Apr 7, 2006 11:15:56

JN6512 - Monte Vista Grove Homes TIS
 City of Pasadena
 Existing PM

Impact Analysis Report
 Level Of Service

Intersection	Base	Del/	V/	Future	Del/	V/	Change
	LCS Veh	C	LCS Veh	C	LCS Veh	C	
# 1 San Gabriel & Del Mar	D xxxxx 0 823	E	40 5 0 000	E	40 5 0 000	E	0 000 D/V
# 2 San Gabriel & San Pasqual	E xxxxx 0 698	R	xxxxx 0 698	R	xxxxx 0 698	R	0 000 V/C
# 3 El Nido & Del Mar	E 40 5 0 000	E	40 5 0 000	E	40 5 0 000	E	0 000 D/V
# 4 El Nido & San Pasqual	E 10 0 0 000	B	10 0 0 000	B	10 0 0 000	B	0 000 D/V

Level Of Service Computation Report
 100 ft/sec as Cycle Length Method (Base Volume Alternative)
 Intersection #1 San Gabriel & San Pasqual
 C 6/98
 Cable Length 100 (Y-R = 4 sec) Average Delay (sec/veh) xxxxxx
 Level Of Service
 Street Name San Gabriel East Bound West Bound
 Approach North Bound South Bound
 Movement L T F L T R L T R L T R
 Control Saturated Permitted Permitted
 Rights 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Lane: 1 0 1 0 0 0 1 0 0 0 1 0 0 1 0 0 1 0 0
 Volume Module
 Base Vol: 35 740 24 37 1035 28 23 272 73 24 75 26
 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 Req: 39 742 24 37 1035 28 23 272 73 24 75 26
 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 Volume: 35 740 24 37 1035 28 23 272 73 24 75 26
 Reduced Vol: 35 740 24 37 1035 28 23 272 73 24 75 26
 PE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 PE Adj: 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 Sat: 35 740 24 37 1035 28 23 272 73 24 75 26
 Saturation Flow Module
 Sat/Lane: 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600
 Adj-Sat: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 Lane: 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 Sat: 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600
 Capacity Analysis Module
 Util/Sat: 0.22 0.24 0.24 0.22 0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23
 Util/Req: 0.22 0.24 0.24 0.22 0.23 0.23 0.23 0.23 0.23 0.23 0.23 0.23

Level Of Service Computation Report
 2000 HCM Unsignalized Method (Base Volume Alternative)
 Intersection #2 El Rido & Del Mar
 Average Delay (sec/veh) 2.4 Worst Case Level Of Service C
 Street Name El Rido East Bound West Bound
 Approach North Bound South Bound
 Movement L T F L T R L T R L T R
 Control Saturated Permitted Permitted
 Rights 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 1 0
 Lane: 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 1 0
 Volume Module
 Base Vol: 25 11 26 7 12 32 21 1010 38 15 360 10
 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 Req: 25 11 26 7 12 32 21 1010 38 15 360 10
 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 Volume: 25 11 26 7 12 32 21 1010 38 15 360 10
 Reduced Vol: 25 11 26 7 12 32 21 1010 38 15 360 10
 PE Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
 PE Adj: 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 Sat: 25 11 26 7 12 32 21 1010 38 15 360 10
 Critical Gap Module
 Critical Gap: 7.5 6.5 6.9 7.5 6.5 6.9 4.1 xxxxx xxxxx 4.1 xxxxx xxxxx
 Followup Gap: 3.5 4.0 3.3 3.5 4.0 3.3 7.2 xxxxx xxxxx 7.2 xxxxx xxxxx
 Capacity Module
 Critical Vol: 125 1401 528 968 1495 195 320 1180 xxxxx 1048 xxxxx xxxxx
 Percent Cap: 154 170 503 701 1117 820 1180 xxxxx xxxxx 672 xxxxx xxxxx
 Move Cap: 0.34 0.59 0.05 0.04 0.10 0.04 0.02 xxxxx xxxxx 0.02 xxxxx xxxxx
 Level Of Service Module
 Queue: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx C 1 xxxxx xxxxx 0.1 xxxxx xxxxx
 Stopped Del: xxxxx xxxxx xxxxx xxxxx xxxxx xxxxx B 1 xxxxx xxxxx 10.5 xxxxx xxxxx
 LOR by Move: L T F L T R L T R L T R L T R L T R L T R L T R L T R L T R
 Shared Queue: xxxxx 1.6 xxxxx xxxxx xxxxx 283 xxxxx xxxxx xxxxx xxxxx xxxxx
 Shared Signal: xxxxx 40.5 xxxxx xxxxx 210 xxxxx 9.1 xxxxx xxxxx 10.5 xxxxx xxxxx
 Approach: A B C A B C A B C A B C A B C A B C A B C A B C
 Approaches: F E C F E C F E C F E C F E C F E C F E C F E C

Level Of Service Comparison Report
1000 HCM Signalized Method (Base Volume Alternative)

Intersection M4 El Niño Control
Average Delay (sec/veh) 31.1 Worst Case Level Of Service B/10.0
Street Name Northbound Southbound Eastbound Westbound
Movement L R T L T R L T R L T R

Control Stop Sign Stop Sign Uncontrolled Uncontrolled
Right: C 0 0 0 C 0 0 1 0 0 C 1 0 0 0 0 0 0 0 0 0
Lane: C 0 0 0 C 0 0 1 0 0 C 1 0 0 0 0 0 0 0 0 0

Volume Module
Base Vol 0 16 0 21 18 299 0 0 86 8
Growth Adj 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Initial Bas 0 16 0 21 18 299 0 0 86 8

Post Adj 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
Surf Adj 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
PWF Volume 0 0 0 16 0 21 18 299 0 0 86 8
Reduct Vol 0 0 0 16 0 21 18 299 0 0 86 8
Final Vol 0 0 0 16 0 21 18 299 0 0 86 8

Critical Gap Module
Critical Gap: 6.4 XXXX 5.2 4.1 XXXX XXXX XXXX XXXX
Follow-Up Tim XXXX XXXX XXXX 3 5 XXXX 3 3 2 XXXX XXXX XXXX XXXX

Capacity Module
Control Cap XXXX XXXX XXXX 425 XXXX 95 94 XXXX XXXX XXXX XXXX
Post Cap XXXX XXXX XXXX 566 XXXX 97 1513 XXXX XXXX XXXX XXXX
Move Cap XXXX XXXX XXXX 584 XXXX 973 1513 XXXX XXXX XXXX XXXX
Volume/Cap XXXX XXXX XXXX 0.03 XXXX 0.02 0.01 XXXX XXXX XXXX XXXX

Level Of Service Module
Queue XXXX XXXX XXXX XXXX XXXX 0.0 XXXX XXXX XXXX XXXX
Stopped Del XXXX XXXX XXXX XXXX XXXX 7.4 XXXX XXXX XXXX XXXX
LOS by Move: A B A

Share of Queue: LTR RT LTR RT LTR RT LTR RT LTR RT
Share of Queue XXXX XXXX XXXX 0.2 XXXX 2608 XXXX XXXX XXXX XXXX
Shrd Signal XXXX XXXX XXXX XXXX 10.0 XXXX 7.4 XXXX XXXX XXXX XXXX
Shared LOS: B A B A

Approach LOS: XXXXX 10.0 XXXXX XXXXX XXXXX
Approach LOS: B

Traffic 7 1115 (c): 2004 Dowling Assoc. Licensed to KATZ ONITSU, TUSTIN, CA

APPENDIX C
Intersection Level of Service Worksheets
Future Year Conditions



Near Term Without Project AF1 Apr 7, 2006 11:16:43
 J46512 - Monte Vista Grove Homes TIS
 City of Pasadena
 Near Term Without Project AM

Scenario: Scenario Report
 Command: Near Term Without Project AM
 Utlime: Near Term AM
 Geometry: Existing
 Impact Fee: Default Impact Fee
 Trip Generation: AM
 Trip Distribution: ALL
 Paths: Default Paths
 Routes: Default Routes
 Configuration: Near Term Without Project AM

Near Term Without Project AF1 Apr 7, 2006 11:16:43
 J46512 - Monte Vista Grove Homes TIS
 City of Pasadena
 Near Term Without Project AM

Turning Movement Report
 AM

Volume Type	Northbound			Southbound			Eastbound			Westbound			Total
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	
81 San Gabriel & Del Mar													
Base	375	1068	61	40	598	53	44	259	81	38	764	36	1318
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Cumula	16	24	8	16	21	0	1	51	4	3	85	6	235
Total	291	1092	69	56	619	53	45	310	85	41	849	42	3553
82 San Gabriel & San Pascual													
Base	94	1285	20	19	744	19	20	75	19	25	346	40	2705
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Cumula	0	40	0	0	21	0	0	2	13	0	13	0	104
Total	94	1331	20	19	771	19	22	85	19	25	365	40	2809
83 El Nido & Del Mar													
Base	30	3	26	5	6	22	4	299	10	13	753	7	1178
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Cumula	0	1	0	0	1	54	2	1	132	2	1	132	0
Total	30	4	26	5	6	23	5	353	12	14	865	7	1150
84 El Nido & San Pascual													
Base	0	0	0	8	0	0	30	19	78	0	0	357	11
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Cumula	0	0	0	0	0	0	1	2	8	0	0	18	2
Total	0	0	0	8	0	0	31	21	86	0	0	375	13

Near Term Without Project Aft: Apr 7, 2004 11:16:44
 JAG512 - Monte Vista Groves Homes TIS
 City of Pasadena
 Near Term Without Project AM
 Intersection Volume Report
 Future Volume Alternative

Node Intersection	Northbound			Southbound			Eastbound			Westbound		
	L	T	R	L	T	R	L	T	R	L	T	R
1 San Gabriel &	291	1022	69	56	619	53	45	310	85	41	849	42
2 San Gabriel &	94	1331	20	16	771	17	23	86	17	35	365	40
3 El Nido & Del	30	4	26	5	6	23	5	37	12	14	268	7
4 El Nido & San	0	0	0	0	0	0	0	0	0	0	0	0

Near Term Withou. Project Aft: Apr 7, 2004 11:16:41
 JAG512 - Monte Vista Groves Homes TIS
 City of Pasadena
 Near Term Without Project AM
 Intersection Volume Report
 Base Volume Alternative

Node Intersection	Northbound			Southbound			Eastbound			Westbound		
	L	T	R	L	T	R	L	T	R	L	T	R
1 San Gabriel &	275	1028	61	40	598	52	44	259	81	38	764	36
2 San Gabriel &	94	1285	20	19	744	15	20	76	19	25	346	40
3 El Nido & Del	30	1	26	5	6	22	4	299	10	13	253	7
4 El Nido & San	0	0	0	0	0	0	0	0	0	0	0	0

Near Term Without Project Aft Apr 7, 2006 11:16 44

J6512 - Monte Vista Grove Homes IIS

City of Pasadena

Near Term Without Project AM

Impact Analysis Report

Level of Service

Intersection	LOS Veh	C	LOS Ped	C	Future Delay (sec)	Charge In		
# 1 San Gabriel & Del Mar	C	xxxxx	0.756	D	xxxxx	0.605	0.049 V/C	
# 2 San Gabriel & San P. Igual	C	xxxxx	0.773	D	xxxxx	0.801	0.028 V/C	
# 3 El Rido & Del Mar	C	15.6	0.000	C	18	1.0	0.000	2.433 D/V
# 4 El Rido & San Ranquel	B	10.9	0.000	B	11	1.0	0.000	0.187 D/V

Traffic 7.7.115 (c) 2004 Dowling Assoc. Licensed to MATZ OKITSU, TUSTIN, CA

Near Term Without Project Aft Apr 7, 2006 11:16 44

J6512 - Monte Vista Grove Homes IIS

City of Pasadena

Near Term Without Project AM

Impact Analysis Report

Level of Service

Intersection	LOS Veh	C	LOS Ped	C	Future Delay (sec)	Charge In		
# 1 San Gabriel & Del Mar	C	xxxxx	0.756	D	xxxxx	0.605	0.049 V/C	
# 2 San Gabriel & San P. Igual	C	xxxxx	0.773	D	xxxxx	0.801	0.028 V/C	
# 3 El Rido & Del Mar	C	15.6	0.000	C	18	1.0	0.000	2.433 D/V
# 4 El Rido & San Ranquel	B	10.9	0.000	B	11	1.0	0.000	0.187 D/V

Traffic 7.7.115 (c) 2004 Dowling Assoc. Licensed to MATZ OKITSU, TUSTIN, CA

Level of Service Computation Report

ICU (Loss as Cycle Length Method (Future Volume Alternative))

Intersection #1 San Gabriel & Del Mar

Cycle Length: 100 (V.R. = 4 sec) Critical Vol./Cap (X) 0.805

Control: L T R L T R L T R L T R L T R L T R

Approach: North Bound South Bound East Bound West Bound

Street Name: San Gabriel Del Mar

Volume Module: Base Vol: 267 1637 59 39 581 51 43 251 79 37 742 35

Growth Adj: 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03 1.03

Initial Base: 275 1668 61 40 598 53 44 258 91 38 764 36

Reduced Vol: 0 0 0 0 0 0 0 0 0 0 0 0

Initial Fut: 291 1652 59 56 619 53 45 310 85 41 849 42

User Adj: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

PHF Adj: 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 Volume: 291 1652 59 56 619 53 45 310 85 41 849 42

Reduced Vol: 291 1652 59 56 619 53 45 310 85 41 849 42

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

PHF Adj: 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: 291 1652 59 56 619 53 45 310 85 41 849 42

Saturation Flow Module: Sat/Lane: 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600 1600

Adjustment: 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00

Lanes: 1.00 1.68 0.12 1.00 1.84 0.16 1.00 1.57 0.43 1.00 1.91 0.09

Final Sat: 1600 3010 190 1600 2950 250 1600 2508 692 1600 3049 151

Capacity Analysis Module: Vol/Sat: 0.19 0.06 0.35 0.04 0.21 0.31 0.03 0.12 0.12 0.03 0.38 0.38

Crit. Move: 0.19 0.06 0.35 0.04 0.21 0.31 0.03 0.12 0.12 0.03 0.38 0.38