
 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2012 No Project Conditions
 AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #7 California Ave & Duarte Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.648
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 44 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	1	0	1	1	0	1

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	85	324	123	23	166	108	121	298	39	52	433	56
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	87	330	125	23	169	110	123	304	40	53	442	57
Added Vol:	0	0	6	0	0	0	0	0	0	1	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	87	330	131	23	169	110	123	304	40	54	442	57
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:	87	330	131	23	169	110	123	304	40	54	442	57
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	87	330	131	23	169	110	123	304	40	54	442	57
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
FinalVolume:	87	330	131	23	169	110	123	304	40	54	442	57

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
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	1.43	0.57	1.00	1.21	0.79	1.00	0.88	0.12	1.00	0.89	0.11
Final Sat.:	1600	2289	911	1600	1939	1261	1600	1415	185	1600	1417	183

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.05	0.14	0.14	0.01	0.09	0.09	0.08	0.21	0.21	0.03	0.31	0.31
Crit Moves:	****			****			****			****		

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AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #8 Mountain Ave & Duarte Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.680
Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 48 Level Of Service: B

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

Volume Module: Table with 13 columns representing different traffic scenarios and 13 rows of volume data.

Saturation Flow Module: Table with 13 columns and 4 rows of saturation flow data.

Capacity Analysis Module: Table with 13 columns and 3 rows of capacity analysis data.

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 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 California Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.447
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 31 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	1	0	0	0	0	1	1

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	69	297	0	0	371	90	0	0	0	104	187	37
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	70	303	0	0	378	92	0	0	0	106	191	38
Added Vol:	0	0	0	0	0	0	0	0	0	0	10	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	70	303	0	0	378	92	0	0	0	106	201	38
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:	70	303	0	0	378	92	0	0	0	106	201	38
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	70	303	0	0	378	92	0	0	0	106	201	38
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
FinalVolume:	70	303	0	0	378	92	0	0	0	106	201	38

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
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	2.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.92	1.75	0.33
Final Sat.:	1600	3200	0	0	1600	1600	0	0	0	1478	2796	526

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.04	0.09	0.00	0.00	0.24	0.06	0.00	0.00	0.00	0.07	0.07	0.07
Crit Moves:	****			****			****			****		

Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
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 PM Peak Hour

Level Of Service Computation Report
 2000 HCM 4-Way Stop Method (Future Volume Alternative)

 Intersection #2 Shamrock Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.297
 Loss Time (sec): 10 Average Delay (sec/veh): 9.4
 Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound											
Movement:	L	T	R	L	T	R	L	T	R	L	T	R									
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign											
Rights:	Include			Include			Include			Include											
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0									
Lanes:	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	1	0

Volume Module:

Base Vol:	22	95	0	0	238	156	0	0	0	31	116	90
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	22	97	0	0	243	159	0	0	0	32	118	92
Added Vol:	0	0	0	0	0	0	0	0	0	0	10	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	22	97	0	0	243	159	0	0	0	32	128	92
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:	22	97	0	0	243	159	0	0	0	32	128	92
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	97	0	0	243	159	0	0	0	32	128	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
FinalVolume:	22	97	0	0	243	159	0	0	0	32	128	92

Saturation Flow Module:

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:	0.38	1.62	0.00	0.00	1.21	0.79	0.00	0.00	0.00	1.00	1.17	0.83
Final Sat.:	228	1002	0	0	818	586	0	0	0	556	716	558

Capacity Analysis Module:

Vol/Sat:	0.10	0.10	xxxx	xxxx	0.30	0.27	xxxx	xxxx	xxxx	0.06	0.18	0.16
Crit Moves:	****				****						****	
Delay/Veh:	9.0	8.9	0.0	0.0	10.0	9.1	0.0	0.0	0.0	9.2	9.4	8.7
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
AdjDel/Veh:	9.0	8.9	0.0	0.0	10.0	9.1	0.0	0.0	0.0	9.2	9.4	8.7
LOS by Move:	A	A	*	*	B	A	*	*	*	A	A	A
ApproachDel:		8.9			9.7		xxxxxxx				9.2	
Delay Adj:		1.00			1.00		xxxxxxx				1.00	
ApprAdjDel:		8.9			9.7		xxxxxxx				9.2	
LOS by Appr:		A			A			*			A	
AllWayAvgQ:	0.1	0.1	0.0	0.0	0.4	0.3	0.0	0.0	0.0	0.1	0.2	0.2

 Note: Queue reported is the number of cars per lane.

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 Future 2012 No Project Conditions
 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #3 Mountain Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.710
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 51 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			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	1	0	0	0	1	0	1

Volume Module:

Base Vol:	215	527	0	0	673	192	0	0	0	261	170	301
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	219	538	0	0	686	196	0	0	0	266	173	307
Added Vol:	0	8	0	0	9	5	0	0	0	0	7	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	219	546	0	0	695	201	0	0	0	266	180	309
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:	219	546	0	0	695	201	0	0	0	266	180	309
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	219	546	0	0	695	201	0	0	0	266	180	309
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
FinalVolume:	219	546	0	0	695	201	0	0	0	266	180	309

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	2.00	0.00	0.00	1.55	0.45	0.00	0.00	0.00	1.00	1.00	1.00
Final Sat.:	1600	3200	0	0	2483	717	0	0	0	1600	1600	1600

Capacity Analysis Module:

Vol/Sat:	0.14	0.17	0.00	0.00	0.28	0.28	0.00	0.00	0.00	0.17	0.11	0.19
Crit Moves:	****				****							****

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 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 California Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.561
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 37 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	1	0	1	1	0	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	0	333	94	129	345	0	40	395	62	0	0	0
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	0	340	96	132	352	0	41	403	63	0	0	0
Added Vol:	0	0	0	0	0	0	0	3	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	340	96	132	352	0	41	406	63	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:	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:	0	340	96	132	352	0	41	406	63	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	340	96	132	352	0	41	406	63	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
FinalVolume:	0	340	96	132	352	0	41	406	63	0	0	0

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
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:	0.00	0.78	0.22	1.00	1.00	0.00	0.24	2.39	0.37	0.00	0.00	0.00
Final Sat.:	0	1248	352	1600	1600	0	384	3821	595	0	0	0

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.00	0.27	0.27	0.08	0.22	0.00	0.03	0.11	0.11	0.00	0.00	0.00
Crit Moves:	****			****			****					

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 PM Peak Hour

Level Of Service Computation Report
 2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #5 Shamrock Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.522
 Loss Time (sec): 0 Average Delay (sec/veh): 14.1
 Optimal Cycle: 0 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	1	0	1	0	0	0	1	0	1	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	0	93	14	262	28	0	43	572	6	0	0	0
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	0	95	14	267	29	0	44	583	6	0	0	0
Added Vol:	0	0	0	0	0	0	0	3	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	95	14	267	29	0	44	586	6	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:	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:	0	95	14	267	29	0	44	586	6	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	95	14	267	29	0	44	586	6	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
FinalVolume:	0	95	14	267	29	0	44	586	6	0	0	0

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
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:	0.00	1.74	0.26	1.00	1.00	0.00	0.14	1.84	0.02	0.00	0.00	0.00
Final Sat.:	0	922	141	518	551	0	84	1132	12	0	0	0

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	xxxx	0.10	0.10	0.52	0.05	xxxx	0.52	0.52	0.51	xxxx	xxxx	xxxx
Crit Moves:	****			****			****			****		
Delay/Veh:	0.0	9.9	9.7	16.1	9.3	0.0	14.4	14.2	14.1	0.0	0.0	0.0
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
AdjDel/Veh:	0.0	9.9	9.7	16.1	9.3	0.0	14.4	14.2	14.1	0.0	0.0	0.0
LOS by Move:	*	A	A	C	A	*	B	B	B	*	*	*
ApproachDel:	9.8			15.4			14.2			xxxxxxx		
Delay Adj:	1.00			1.00			1.00			xxxxxx		
ApprAdjDel:	9.8			15.4			14.2			xxxxxxx		
LOS by Appr:	A			C			B			*		
AllWayAvgQ:	0.1	0.1	0.1	1.0	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0

Note: Queue reported is the number of cars per lane.

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ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #6 Mountain Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.825
Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 73 Level Of Service: D

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

Volume Module: Table with 13 columns for different volume and adjustment factors across four directions.

Saturation Flow Module: Table with 13 columns for saturation flow and adjustment factors.

Capacity Analysis Module: Table with 13 columns for capacity analysis metrics.

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 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #7 California Ave & Duarte Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.818
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 71 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:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	1	0	1	1	0	1

Volume Module:

Base Vol:	66	274	155	41	299	106	127	667	93	93	381	33
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	67	279	158	42	305	108	130	680	95	95	389	34
Added Vol:	0	0	1	0	0	0	0	0	0	5	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	67	279	159	42	305	108	130	680	95	100	389	34
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:	67	279	159	42	305	108	130	680	95	100	389	34
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	67	279	159	42	305	108	130	680	95	100	389	34
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
FinalVolume:	67	279	159	42	305	108	130	680	95	100	389	34

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	1.27	0.73	1.00	1.48	0.52	1.00	0.88	0.12	1.00	0.92	0.08
Final Sat.:	1600	2039	1161	1600	2362	838	1600	1404	196	1600	1472	128

Capacity Analysis Module:

Vol/Sat:	0.04	0.14	0.14	0.03	0.13	0.13	0.08	0.48	0.48	0.06	0.26	0.26
Crit Moves:	****			****			****			****		

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2012 No Project Conditions
 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #8 Mountain Ave & Duarte Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.683
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 48 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	0	1	0	1	1	0	1

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	35	204	76	100	231	200	255	521	119	84	281	93
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	36	208	78	102	236	204	260	531	121	86	287	95
Added Vol:	0	3	0	3	3	0	0	1	0	0	5	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	36	211	78	105	239	204	260	532	121	86	292	97
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:	36	211	78	105	239	204	260	532	121	86	292	97
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	36	211	78	105	239	204	260	532	121	86	292	97
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
FinalVolume:	36	211	78	105	239	204	260	532	121	86	292	97

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
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	0.73	0.27	1.00	0.54	0.46	1.00	1.63	0.37	1.00	1.50	0.50
Final Sat.:	1600	1170	430	1600	863	737	1600	2606	594	1600	2402	798

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.02	0.18	0.18	0.07	0.28	0.28	0.16	0.20	0.20	0.05	0.12	0.12
Crit Moves:	****			****			****			****		

Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
Future 2012 with Project Conditions
AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 California Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.404
Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

Volume Module: Table with 13 columns representing different volume categories and their values.

Saturation Flow Module: Table with 13 columns representing saturation flow values.

Capacity Analysis Module: Table with 13 columns representing capacity analysis values.

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2012 with Project Conditions
 AM Peak Hour

Level Of Service Computation Report
 2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #2 Shamrock Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.320
 Loss Time (sec): 10 Average Delay (sec/veh): 10.0
 Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound											
Movement:	L	T	R	L	T	R	L	T	R	L	T	R									
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign											
Rights:	Include			Include			Include			Include											
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0									
Lanes:	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	1	0

Volume Module:

Base Vol:	16	185	0	0	106	52	0	0	0	29	268	128
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	16	189	0	0	108	53	0	0	0	30	273	131
Added Vol:	1	0	0	0	0	0	0	0	0	5	9	0
PasserByVol:	37	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	54	189	0	0	108	53	0	0	0	35	282	131
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:	54	189	0	0	108	53	0	0	0	35	282	131
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	54	189	0	0	108	53	0	0	0	35	282	131
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
FinalVolume:	54	189	0	0	108	53	0	0	0	35	282	131

Saturation Flow Module:

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:	0.45	1.55	0.00	0.00	1.34	0.66	0.00	0.00	0.00	1.00	1.37	0.63
Final Sat.:	258	917	0	0	799	415	0	0	0	578	882	432

Capacity Analysis Module:

Vol/Sat:	0.21	0.21	xxxx	xxxx	0.14	0.13	xxxx	xxxx	xxxx	0.06	0.32	0.30
Crit Moves:	****				****						****	
Delay/Veh:	10.2	10.0	0.0	0.0	9.3	8.9	0.0	0.0	0.0	9.1	10.6	9.9
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
AdjDel/Veh:	10.2	10.0	0.0	0.0	9.3	8.9	0.0	0.0	0.0	9.1	10.6	9.9
LOS by Move:	B	B	*	*	A	A	*	*	*	A	B	A
ApproachDel:		10.1			9.2		xxxxxxx				10.2	
Delay Adj:		1.00			1.00		xxxxxxx				1.00	
ApprAdjDel:		10.1			9.2		xxxxxxx				10.2	
LOS by Appr:		B			A			*			B	
AllWayAvgQ:	0.2	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.4	0.4

 Note: Queue reported is the number of cars per lane.

Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
Future 2012 with Project Conditions
AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #3 Mountain Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.714
Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 52 Level Of Service: C

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

Volume Module: Table with 13 columns representing different volume categories and 13 rows of data including Base Vol, Growth Adj, Initial Bse, etc.

Saturation Flow Module: Table with 13 columns and 5 rows of data including Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module: Table with 13 columns and 3 rows of data including Vol/Sat and Crit Moves.

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2012 with Project Conditions
 AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 California Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.522
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 35 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	1	0	0	1	1	0	0	0

Volume Module:

Base Vol:	0	326	63	68	251	0	86	172	46	0	0	0
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	0	333	64	69	256	0	88	175	47	0	0	0
Added Vol:	0	2	14	1	8	0	0	13	6	0	0	0
PasserByVol:	0	0	83	0	0	0	0	0	0	0	0	0
Initial Fut:	0	335	161	70	264	0	88	188	53	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:	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:	0	335	161	70	264	0	88	188	53	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	335	161	70	264	0	88	188	53	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
FinalVolume:	0	335	161	70	264	0	88	188	53	0	0	0

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:	0.00	0.67	0.33	1.00	1.00	0.00	0.80	1.72	0.48	0.00	0.00	0.00
Final Sat.:	0	1080	520	1600	1600	0	1279	2749	772	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.31	0.31	0.04	0.17	0.00	0.05	0.07	0.07	0.00	0.00	0.00
Crit Moves:	****			****			****					

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2012 with Project Conditions
 AM Peak Hour

Level Of Service Computation Report
 2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #5 Shamrock Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.332
 Loss Time (sec): 0 Average Delay (sec/veh): 10.3
 Optimal Cycle: 0 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	1	0	1	0	0	0	1	0	1	0	0

Volume Module:

Base Vol:	0	95	12	155	29	0	131	147	9	0	0	0
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	0	97	12	158	30	0	134	150	9	0	0	0
Added Vol:	0	1	5	0	5	0	0	17	11	0	0	0
PasserByVol:	0	37	0	0	0	0	0	0	83	0	0	0
Initial Fut:	0	135	17	158	35	0	134	167	103	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:	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:	0	135	17	158	35	0	134	167	103	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	135	17	158	35	0	134	167	103	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
FinalVolume:	0	135	17	158	35	0	134	167	103	0	0	0

Saturation Flow Module:

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:	0.00	1.77	0.23	1.00	1.00	0.00	0.66	0.83	0.51	0.00	0.00	0.00
Final Sat.:	0	1070	139	560	604	0	403	542	352	0	0	0

Capacity Analysis Module:

Vol/Sat:	xxxx	0.13	0.12	0.28	0.06	xxxx	0.33	0.31	0.29	xxxx	xxxx	xxxx
Crit Moves:		****		****			****					
Delay/Veh:	0.0	9.2	9.1	11.2	8.7	0.0	11.2	10.4	9.8	0.0	0.0	0.0
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
AdjDel/Veh:	0.0	9.2	9.1	11.2	8.7	0.0	11.2	10.4	9.8	0.0	0.0	0.0
LOS by Move:	*	A	A	B	A	*	B	B	A	*	*	*
ApproachDel:		9.2			10.8			10.5		xxxxxxx		
Delay Adj:		1.00			1.00			1.00		xxxxxx		
ApprAdjDel:		9.2			10.8			10.5		xxxxxxx		
LOS by Appr:		A			B			B			*	
AllWayAvgQ:	0.1	0.1	0.1	0.4	0.1	0.1	0.5	0.4	0.4	0.0	0.0	0.0

Note: Queue reported is the number of cars per lane.

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2012 with Project Conditions
 AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #6 Mountain Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.675
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 47 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1 1 0	1	0	1 1 0	1	0	2 0 1	0	0	0 0 0

Volume Module:

Base Vol:	0	380	197	306	481	0	302	241	177	0	0	0
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	0	388	201	312	491	0	308	246	181	0	0	0
Added Vol:	0	3	0	1	16	0	3	20	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	391	201	313	507	0	311	266	181	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:	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:	0	391	201	313	507	0	311	266	181	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	391	201	313	507	0	311	266	181	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
FinalVolume:	0	391	201	313	507	0	311	266	181	0	0	0

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:	0.00	1.32	0.68	1.00	2.00	0.00	1.00	2.00	1.00	0.00	0.00	0.00
Final Sat.:	0	2113	1087	1600	3200	0	1600	3200	1600	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.18	0.18	0.20	0.16	0.00	0.19	0.08	0.11	0.00	0.00	0.00
Crit Moves:	****			****			****					

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2012 with Project Conditions
 AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #7 California Ave & Duarte Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.657
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 45 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	0	1	0	0	1

Volume Module:

Base Vol:	85	324	123	23	166	108	121	298	39	52	433	56
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	87	330	125	23	169	110	123	304	40	53	442	57
Added Vol:	0	4	6	0	0	0	0	0	0	1	0	13
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	87	334	131	23	169	110	123	304	40	54	442	70
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	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:	87	334	131	23	169	110	123	304	40	54	442	70
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	87	334	131	23	169	110	123	304	40	54	442	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
FinalVolume:	87	334	131	23	169	110	123	304	40	54	442	70

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	1.44	0.56	1.00	1.21	0.79	1.00	0.88	0.12	1.00	0.86	0.14
Final Sat.:	1600	2297	903	1600	1939	1261	1600	1415	185	1600	1381	219

Capacity Analysis Module:

Vol/Sat:	0.05	0.15	0.15	0.01	0.09	0.09	0.08	0.21	0.21	0.03	0.32	0.32
Crit Moves:	****			****			****			****		

Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
Future 2012 with Project Conditions
AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #8 Mountain Ave & Duarte Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.680
Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 48 Level Of Service: B

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

Volume Module: Table with 13 columns and 13 rows showing traffic volume and adjustment factors.

Saturation Flow Module: Table with 13 columns and 4 rows showing saturation flow and adjustment factors.

Capacity Analysis Module: Table with 13 columns and 2 rows showing capacity and critical moves.

Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
Future 2012 with Project Conditions
PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 California Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.467
Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

Volume Module: Table with 13 columns representing different volume and adjustment factors across the four directions.

Saturation Flow Module: Table with 13 columns representing saturation flow and adjustment factors.

Capacity Analysis Module: Table with 13 columns representing capacity analysis metrics.

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2012 with Project Conditions
 PM Peak Hour

Level Of Service Computation Report
 2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #2 Shamrock Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.301
 Loss Time (sec): 10 Average Delay (sec/veh): 9.6
 Optimal Cycle: 0 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound											
Movement:	L	T	R	L	T	R	L	T	R	L	T	R									
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign											
Rights:	Include			Include			Include			Include											
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0									
Lanes:	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	1	0

Volume Module:

Base Vol:	22	95	0	0	238	156	0	0	0	31	116	90
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	22	97	0	0	243	159	0	0	0	32	118	92
Added Vol:	6	0	0	0	0	0	0	0	0	0	10	0
PasserByVol:	49	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	77	97	0	0	243	159	0	0	0	32	128	92
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:	77	97	0	0	243	159	0	0	0	32	128	92
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	77	97	0	0	243	159	0	0	0	32	128	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
FinalVolume:	77	97	0	0	243	159	0	0	0	32	128	92

Saturation Flow Module:

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:	0.89	1.11	0.00	0.00	1.21	0.79	0.00	0.00	0.00	1.00	1.17	0.83
Final Sat.:	515	689	0	0	806	576	0	0	0	544	698	543

Capacity Analysis Module:

Vol/Sat:	0.15	0.14	xxxx	xxxx	0.30	0.28	xxxx	xxxx	xxxx	0.06	0.18	0.17
Crit Moves:	****				****						****	
Delay/Veh:	9.7	9.2	0.0	0.0	10.2	9.3	0.0	0.0	0.0	9.4	9.6	8.9
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
AdjDel/Veh:	9.7	9.2	0.0	0.0	10.2	9.3	0.0	0.0	0.0	9.4	9.6	8.9
LOS by Move:	A	A	*	*	B	A	*	*	*	A	A	A
ApproachDel:		9.4			9.8		xxxxxxx				9.3	
Delay Adj:		1.00			1.00		xxxxxxx				1.00	
ApprAdjDel:		9.4			9.8		xxxxxxx				9.3	
LOS by Appr:		A			A			*			A	
AllWayAvgQ:	0.2	0.2	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.1	0.2	0.2

Note: Queue reported is the number of cars per lane.

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2012 with Project Conditions
 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #3 Mountain Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.710
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 51 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			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	1	0	0	0	1	0	1

Volume Module:

Base Vol:	215	527	0	0	673	192	0	0	0	261	170	301
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	219	538	0	0	686	196	0	0	0	266	173	307
Added Vol:	0	11	0	0	9	5	0	0	0	12	7	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	219	549	0	0	695	201	0	0	0	278	180	309
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:	219	549	0	0	695	201	0	0	0	278	180	309
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	219	549	0	0	695	201	0	0	0	278	180	309
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
FinalVolume:	219	549	0	0	695	201	0	0	0	278	180	309

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	2.00	0.00	0.00	1.55	0.45	0.00	0.00	0.00	1.00	1.00	1.00
Final Sat.:	1600	3200	0	0	2483	717	0	0	0	1600	1600	1600

Capacity Analysis Module:

Vol/Sat:	0.14	0.17	0.00	0.00	0.28	0.28	0.00	0.00	0.00	0.17	0.11	0.19
Crit Moves:	****				****							****

Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
Future 2012 with Project Conditions
PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 California Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.618
Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 41 Level Of Service: B

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

Volume Module: Table with 13 columns representing different volume categories and 13 rows for various adjustment factors like Growth Adj, Initial Bse, etc.

Saturation Flow Module: Table with 13 columns for saturation flow and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module: Table with 13 columns for capacity analysis and 2 rows for Vol/Sat and Crit Moves.

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2012 with Project Conditions
 PM Peak Hour

Level Of Service Computation Report
 2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #5 Shamrock Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.608
 Loss Time (sec): 0 Average Delay (sec/veh): 15.7
 Optimal Cycle: 0 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:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	1	0	1	0	0	0	1	0	1	0	0

Volume Module:

Base Vol:	0	93	14	262	28	0	43	572	6	0	0	0
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	0	95	14	267	29	0	44	583	6	0	0	0
Added Vol:	0	6	9	0	0	0	0	17	6	0	0	0
PasserByVol:	0	49	0	0	0	0	0	0	64	0	0	0
Initial Fut:	0	150	23	267	29	0	44	600	76	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:	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:	0	150	23	267	29	0	44	600	76	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	150	23	267	29	0	44	600	76	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
FinalVolume:	0	150	23	267	29	0	44	600	76	0	0	0

Saturation Flow Module:

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:	0.00	1.73	0.27	1.00	1.00	0.00	0.12	1.67	0.21	0.00	0.00	0.00
Final Sat.:	0	894	141	497	527	0	72	1005	130	0	0	0

Capacity Analysis Module:

Vol/Sat:	xxxx	0.17	0.16	0.54	0.05	xxxx	0.61	0.60	0.59	xxxx	xxxx	xxxx
Crit Moves:		****		****			****					
Delay/Veh:	0.0	10.6	10.5	17.2	9.6	0.0	17.2	16.6	16.0	0.0	0.0	0.0
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
AdjDel/Veh:	0.0	10.6	10.5	17.2	9.6	0.0	17.2	16.6	16.0	0.0	0.0	0.0
LOS by Move:	*	B	B	C	A	*	C	C	C	*	*	*
ApproachDel:		10.6			16.5			16.6		xxxxxxx		
Delay Adj:		1.00			1.00			1.00		xxxxxxx		
ApprAdjDel:		10.6			16.5			16.6		xxxxxxx		
LOS by Appr:		B			C			C			*	
AllWayAvgQ:	0.2	0.2	0.2	1.0	0.1	0.1	1.4	1.3	1.3	0.0	0.0	0.0

Note: Queue reported is the number of cars per lane.

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2012 with Project Conditions
 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #6 Mountain Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.831
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 74 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:	Permitted			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1 1 0	1	0	1 1 0	1	0	2 0 1	0	0	0 0 0

Volume Module:

Base Vol:	0	541	186	394	534	0	202	747	165	0	0	0
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	0	552	190	402	545	0	206	762	168	0	0	0
Added Vol:	0	5	0	3	18	0	6	22	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	557	190	405	563	0	212	784	168	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:	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:	0	557	190	405	563	0	212	784	168	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	557	190	405	563	0	212	784	168	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
FinalVolume:	0	557	190	405	563	0	212	784	168	0	0	0

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:	0.00	1.49	0.51	1.00	2.00	0.00	1.00	2.00	1.00	0.00	0.00	0.00
Final Sat.:	0	2387	813	1600	3200	0	1600	3200	1600	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.23	0.23	0.25	0.18	0.00	0.13	0.24	0.11	0.00	0.00	0.00
Crit Moves:	****			****			****					

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2012 with Project Conditions
 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #7 California Ave & Duarte Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.819
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 71 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:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	1	0	1	1	0	1

Volume Module:

Base Vol:	66	274	155	41	299	106	127	667	93	93	381	33
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	67	279	158	42	305	108	130	680	95	95	389	34
Added Vol:	0	0	1	1	4	0	0	0	0	5	0	12
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	67	279	159	43	309	108	130	680	95	100	389	46
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:	67	279	159	43	309	108	130	680	95	100	389	46
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	67	279	159	43	309	108	130	680	95	100	389	46
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	67	279	159	43	309	108	130	680	95	100	389	46

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	1.27	0.73	1.00	1.48	0.52	1.00	0.88	0.12	1.00	0.89	0.11
Final Sat.:	1600	2039	1161	1600	2371	829	1600	1404	196	1600	1432	168

Capacity Analysis Module:

Vol/Sat:	0.04	0.14	0.14	0.03	0.13	0.13	0.08	0.48	0.48	0.06	0.27	0.27
Crit Moves:	****			****			****			****		

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2012 with Project Conditions
 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #8 Mountain Ave & Duarte Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.690
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 49 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	0	1	0	1	1	0	1

Volume Module:

Base Vol:	35	204	76	100	231	200	255	521	119	84	281	93
Growth Adj:	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Initial Bse:	36	208	78	102	236	204	260	531	121	86	287	95
Added Vol:	0	3	0	3	3	12	0	2	0	0	5	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	36	211	78	105	239	216	260	533	121	86	292	97
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:	36	211	78	105	239	216	260	533	121	86	292	97
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	36	211	78	105	239	216	260	533	121	86	292	97
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
FinalVolume:	36	211	78	105	239	216	260	533	121	86	292	97

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	0.73	0.27	1.00	0.52	0.48	1.00	1.63	0.37	1.00	1.50	0.50
Final Sat.:	1600	1170	430	1600	840	760	1600	2607	593	1600	2402	798

Capacity Analysis Module:

Vol/Sat:	0.02	0.18	0.18	0.07	0.28	0.28	0.16	0.20	0.20	0.05	0.12	0.12
Crit Moves:	****			****			****			****		

Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
Future 2025 No Project Conditions
AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 California Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.423
Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 30 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

Volume Module: Table with 13 columns for different volume metrics and 13 rows for various adjustment factors like Base Vol, Growth Adj, etc.

Saturation Flow Module: Table with 13 columns for saturation flow metrics and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module: Table with 13 columns for capacity analysis metrics and 2 rows for Vol/Sat and Crit Moves.

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 No Project Conditions
 AM Peak Hour

Level Of Service Computation Report
 2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #2 Shamrock Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.349
 Loss Time (sec): 10 Average Delay (sec/veh): 10.2
 Optimal Cycle: 0 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound											
Movement:	L	T	R	L	T	R	L	T	R	L	T	R									
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign											
Rights:	Include			Include			Include			Include											
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0									
Lanes:	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	1	0

Volume Module:

Base Vol:	16	185	0	0	106	52	0	0	0	29	268	128
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	18	209	0	0	120	59	0	0	0	33	303	145
Added Vol:	0	0	0	0	0	0	0	0	0	0	3	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	18	209	0	0	120	59	0	0	0	33	306	145
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:	18	209	0	0	120	59	0	0	0	33	306	145
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	209	0	0	120	59	0	0	0	33	306	145
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
FinalVolume:	18	209	0	0	120	59	0	0	0	33	306	145

Saturation Flow Module:

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:	0.16	1.84	0.00	0.00	1.34	0.66	0.00	0.00	0.00	1.00	1.36	0.64
Final Sat.:	92	1072	0	0	790	410	0	0	0	578	875	439

Capacity Analysis Module:

Vol/Sat:	0.20	0.19	xxxx	xxxx	0.15	0.14	xxxx	xxxx	xxxx	0.06	0.35	0.33
Crit Moves:	****				****						****	
Delay/Veh:	10.0	10.0	0.0	0.0	9.5	9.1	0.0	0.0	0.0	9.1	10.9	10.2
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
AdjDel/Veh:	10.0	10.0	0.0	0.0	9.5	9.1	0.0	0.0	0.0	9.1	10.9	10.2
LOS by Move:	B	A	*	*	A	A	*	*	*	A	B	B
ApproachDel:		10.0			9.4		xxxxxxx				10.6	
Delay Adj:		1.00			1.00		xxxxxxx				1.00	
ApprAdjDel:		10.0			9.4		xxxxxxx				10.6	
LOS by Appr:		A			A			*			B	
AllWayAvgQ:	0.2	0.2	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.1	0.5	0.5

Note: Queue reported is the number of cars per lane.

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 No Project Conditions
 AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #3 Mountain Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.777
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 62 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			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	1	0	0	0	1	0	1

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	200	471	0	0	514	129	0	0	0	269	510	354
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	226	532	0	0	581	146	0	0	0	304	576	400
Added Vol:	0	6	0	0	5	2	0	0	0	0	2	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	226	538	0	0	586	148	0	0	0	304	578	401
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:	226	538	0	0	586	148	0	0	0	304	578	401
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	226	538	0	0	586	148	0	0	0	304	578	401
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
FinalVolume:	226	538	0	0	586	148	0	0	0	304	578	401

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
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	2.00	0.00	0.00	1.60	0.40	0.00	0.00	0.00	1.00	1.18	0.82
Final Sat.:	1600	3200	0	0	2555	645	0	0	0	1600	1890	1310

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.14	0.17	0.00	0.00	0.23	0.23	0.00	0.00	0.00	0.19	0.31	0.31
Crit Moves:	****			****			****			****		

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 No Project Conditions
 AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 California Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.496
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	1	0	0	1	1	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	0	326	63	68	251	0	86	172	46	0	0	0
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	0	368	71	77	284	0	97	194	52	0	0	0
Added Vol:	0	0	0	0	0	0	0	10	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	368	71	77	284	0	97	204	52	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:	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:	0	368	71	77	284	0	97	204	52	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	368	71	77	284	0	97	204	52	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
FinalVolume:	0	368	71	77	284	0	97	204	52	0	0	0

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
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:	0.00	0.84	0.16	1.00	1.00	0.00	0.82	1.74	0.44	0.00	0.00	0.00
Final Sat.:	0	1341	259	1600	1600	0	1319	2775	706	0	0	0

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.00	0.27	0.27	0.05	0.18	0.00	0.06	0.07	0.07	0.00	0.00	0.00
Crit Moves:	****			****			****					

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 No Project Conditions
 AM Peak Hour

Level Of Service Computation Report
 2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #5 Shamrock Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.302
 Loss Time (sec): 0 Average Delay (sec/veh): 10.1
 Optimal Cycle: 0 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	1	0	1	0	0	0	1	0	1	0	0

Volume Module:

Base Vol:	0	95	12	155	29	0	131	147	9	0	0	0
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	0	107	14	175	33	0	148	166	10	0	0	0
Added Vol:	0	0	0	0	0	0	0	10	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	107	14	175	33	0	148	176	10	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:	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:	0	107	14	175	33	0	148	176	10	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	107	14	175	33	0	148	176	10	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
FinalVolume:	0	107	14	175	33	0	148	176	10	0	0	0

Saturation Flow Module:

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:	0.00	1.78	0.22	1.00	1.00	0.00	0.89	1.05	0.06	0.00	0.00	0.00
Final Sat.:	0	1101	141	580	627	0	532	683	40	0	0	0

Capacity Analysis Module:

Vol/Sat:	xxxx	0.10	0.10	0.30	0.05	xxxx	0.28	0.26	0.26	xxxx	xxxx	xxxx
Crit Moves:		****		****			****					
Delay/Veh:	0.0	8.8	8.7	11.2	8.5	0.0	10.7	9.9	9.8	0.0	0.0	0.0
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
AdjDel/Veh:	0.0	8.8	8.7	11.2	8.5	0.0	10.7	9.9	9.8	0.0	0.0	0.0
LOS by Move:	*	A	A	B	A	*	B	A	A	*	*	*
ApproachDel:		8.8			10.8			10.2		xxxxxxx		
Delay Adj:		1.00			1.00			1.00		xxxxxxx		
ApprAdjDel:		8.8			10.8			10.2		xxxxxxx		
LOS by Appr:		A			B			B			*	
AllWayAvgQ:	0.1	0.1	0.1	0.4	0.1	0.1	0.4	0.3	0.3	0.0	0.0	0.0

Note: Queue reported is the number of cars per lane.

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 No Project Conditions
 AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #6 Mountain Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.737
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 55 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:	Permitted			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	1	0	1	1	0	2	0	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	0	380	197	306	481	0	302	241	177	0	0	0
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	0	429	223	346	544	0	341	272	200	0	0	0
Added Vol:	0	3	0	1	4	0	3	8	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	432	223	347	548	0	344	280	200	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:	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:	0	432	223	347	548	0	344	280	200	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	432	223	347	548	0	344	280	200	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
FinalVolume:	0	432	223	347	548	0	344	280	200	0	0	0

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
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:	0.00	1.32	0.68	1.00	2.00	0.00	1.00	2.00	1.00	0.00	0.00	0.00
Final Sat.:	0	2112	1088	1600	3200	0	1600	3200	1600	0	0	0

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.00	0.20	0.20	0.22	0.17	0.00	0.22	0.09	0.13	0.00	0.00	0.00
Crit Moves:	****			****			****					

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 No Project Conditions
 AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #7 California Ave & Duarte Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.707
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 51 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:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	0	1	0	0	1

Volume Module:

Base Vol:	85	324	123	23	166	108	121	298	39	52	433	56
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	96	366	139	26	188	122	137	337	44	59	489	63
Added Vol:	0	0	6	0	0	0	0	0	0	1	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	96	366	145	26	188	122	137	337	44	60	489	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:	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:	96	366	145	26	188	122	137	337	44	60	489	63
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	96	366	145	26	188	122	137	337	44	60	489	63
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
FinalVolume:	96	366	145	26	188	122	137	337	44	60	489	63

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	1.43	0.57	1.00	1.21	0.79	1.00	0.88	0.12	1.00	0.89	0.11
Final Sat.:	1600	2292	908	1600	1939	1261	1600	1415	185	1600	1417	183

Capacity Analysis Module:

Vol/Sat:	0.06	0.16	0.16	0.02	0.10	0.10	0.09	0.24	0.24	0.04	0.35	0.35
Crit Moves:	****			****			****			****		

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 No Project Conditions
 AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #8 Mountain Ave & Duarte Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.742
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 56 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:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	0	1	0	1	1	0	1

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	95	304	110	66	139	212	194	289	44	113	362	98
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	107	344	124	75	157	240	219	327	50	128	409	111
Added Vol:	0	2	0	3	1	0	0	6	0	0	1	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	107	346	124	78	158	240	219	333	50	128	410	112
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:	107	346	124	78	158	240	219	333	50	128	410	112
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	107	346	124	78	158	240	219	333	50	128	410	112
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
FinalVolume:	107	346	124	78	158	240	219	333	50	128	410	112

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
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	0.74	0.26	1.00	0.40	0.60	1.00	1.74	0.26	1.00	1.57	0.43
Final Sat.:	1600	1177	423	1600	636	964	1600	2784	416	1600	2515	685

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.07	0.29	0.29	0.05	0.25	0.25	0.14	0.12	0.12	0.08	0.16	0.16
Crit Moves:	****			****			****			****		

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 No Project Conditions
 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 California Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.490
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 33 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	1	0	0	0	0	1	1

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	69	297	0	0	371	90	0	0	0	104	187	37
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	78	336	0	0	419	102	0	0	0	118	211	42
Added Vol:	0	0	0	0	0	0	0	0	0	0	10	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	78	336	0	0	419	102	0	0	0	118	221	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:	78	336	0	0	419	102	0	0	0	118	221	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	78	336	0	0	419	102	0	0	0	118	221	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
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
FinalVolume:	78	336	0	0	419	102	0	0	0	118	221	42

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
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	2.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.93	1.74	0.33
Final Sat.:	1600	3200	0	0	1600	1600	0	0	0	1482	2791	527

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.05	0.10	0.00	0.00	0.26	0.06	0.00	0.00	0.00	0.07	0.08	0.08
Crit Moves:	****			****						****		

Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
Future 2025 No Project Conditions
PM Peak Hour

Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #2 Shamrock Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.335
Loss Time (sec): 10 Average Delay (sec/veh): 9.8
Optimal Cycle: 0 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement (L-T-R), Control (Stop Sign), Rights (Include), Min. Green, and Lanes.

Volume Module table with 13 columns and 14 rows including Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and FinalVolume.

Saturation Flow Module table with 13 columns and 4 rows including Adjustment, Lanes, and Final Sat.

Capacity Analysis Module table with 13 columns and 12 rows including Vol/Sat, Crit Moves, Delay/Veh, Delay Adj, AdjDel/Veh, LOS by Move, ApproachDel, Delay Adj, ApprAdjDel, LOS by Appr, and AllWayAvgQ.

Note: Queue reported is the number of cars per lane.

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 No Project Conditions
 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #3 Mountain Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.776
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 62 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			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	1	0	0	0	1	0	1

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	215	527	0	0	673	192	0	0	0	261	170	301
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	243	596	0	0	760	217	0	0	0	295	192	340
Added Vol:	0	8	0	0	9	5	0	0	0	0	7	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	243	604	0	0	769	222	0	0	0	295	199	342
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:	243	604	0	0	769	222	0	0	0	295	199	342
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	243	604	0	0	769	222	0	0	0	295	199	342
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
FinalVolume:	243	604	0	0	769	222	0	0	0	295	199	342

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
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	2.00	0.00	0.00	1.55	0.45	0.00	0.00	0.00	1.00	1.00	1.00
Final Sat.:	1600	3200	0	0	2484	716	0	0	0	1600	1600	1600

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.15	0.19	0.00	0.00	0.31	0.31	0.00	0.00	0.00	0.18	0.12	0.21
Crit Moves:	****			****						****		

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 No Project Conditions
 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 California Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.610
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 41 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	1	0	0	1	1	0	0	0

Volume Module:

Base Vol:	0	333	94	129	345	0	40	395	62	0	0	0
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	0	376	106	146	390	0	45	446	70	0	0	0
Added Vol:	0	0	0	0	0	0	0	3	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	376	106	146	390	0	45	449	70	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:	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:	0	376	106	146	390	0	45	449	70	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	376	106	146	390	0	45	449	70	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
FinalVolume:	0	376	106	146	390	0	45	449	70	0	0	0

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:	0.00	0.78	0.22	1.00	1.00	0.00	0.24	2.39	0.37	0.00	0.00	0.00
Final Sat.:	0	1248	352	1600	1600	0	384	3820	596	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.30	0.30	0.09	0.24	0.00	0.03	0.12	0.12	0.00	0.00	0.00
Crit Moves:	****			****			****					

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 No Project Conditions
 PM Peak Hour

Level Of Service Computation Report
 2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #5 Shamrock Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.592
 Loss Time (sec): 0 Average Delay (sec/veh): 16.1
 Optimal Cycle: 0 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:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	1	0	1	0	0	0	1	0	1	0	0

Volume Module:

Base Vol:	0	93	14	262	28	0	43	572	6	0	0	0
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	0	105	16	296	32	0	49	646	7	0	0	0
Added Vol:	0	0	0	0	0	0	0	3	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	105	16	296	32	0	49	649	7	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:	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:	0	105	16	296	32	0	49	649	7	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	105	16	296	32	0	49	649	7	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
FinalVolume:	0	105	16	296	32	0	49	649	7	0	0	0

Saturation Flow Module:

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:	0.00	1.74	0.26	1.00	1.00	0.00	0.14	1.84	0.02	0.00	0.00	0.00
Final Sat.:	0	893	136	505	536	0	82	1105	12	0	0	0

Capacity Analysis Module:

Vol/Sat:	xxxx	0.12	0.12	0.59	0.06	xxxx	0.59	0.59	0.58	xxxx	xxxx	xxxx
Crit Moves:		****		****			****					
Delay/Veh:	0.0	10.2	10.1	18.5	9.5	0.0	16.6	16.4	16.2	0.0	0.0	0.0
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
AdjDel/Veh:	0.0	10.2	10.1	18.5	9.5	0.0	16.6	16.4	16.2	0.0	0.0	0.0
LOS by Move:	*	B	B	C	A	*	C	C	C	*	*	*
ApproachDel:		10.2			17.7			16.4		xxxxxxx		
Delay Adj:		1.00			1.00			1.00		xxxxxx		
ApprAdjDel:		10.2			17.7			16.4		xxxxxxx		
LOS by Appr:		B			C			C			*	
AllWayAvgQ:	0.1	0.1	0.1	1.2	0.1	0.1	1.3	1.3	1.3	0.0	0.0	0.0

Note: Queue reported is the number of cars per lane.

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 No Project Conditions
 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #6 Mountain Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.903
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 101 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:	Permitted			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1 1 0	1	0	1 1 0	1	0	2 0 1	0	0	0 0 0

Volume Module:

Base Vol:	0	541	186	394	534	0	202	747	165	0	0	0
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	0	611	210	445	603	0	228	844	186	0	0	0
Added Vol:	0	5	0	3	6	0	4	1	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	616	210	448	609	0	232	845	186	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:	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:	0	616	210	448	609	0	232	845	186	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	616	210	448	609	0	232	845	186	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
FinalVolume:	0	616	210	448	609	0	232	845	186	0	0	0

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:	0.00	1.49	0.51	1.00	2.00	0.00	1.00	2.00	1.00	0.00	0.00	0.00
Final Sat.:	0	2386	814	1600	3200	0	1600	3200	1600	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.26	0.26	0.28	0.19	0.00	0.15	0.26	0.12	0.00	0.00	0.00
Crit Moves:	****			****			****					

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 No Project Conditions
 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #7 California Ave & Duarte Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.895
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 98 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:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	1	0	1	1	0	1

Volume Module:

Base Vol:	66	274	155	41	299	106	127	667	93	93	381	33
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	75	310	175	46	338	120	144	754	105	105	431	37
Added Vol:	0	0	1	0	0	0	0	0	0	5	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	75	310	176	46	338	120	144	754	105	110	431	37
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:	75	310	176	46	338	120	144	754	105	110	431	37
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	310	176	46	338	120	144	754	105	110	431	37
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
FinalVolume:	75	310	176	46	338	120	144	754	105	110	431	37

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	1.27	0.73	1.00	1.48	0.52	1.00	0.88	0.12	1.00	0.92	0.08
Final Sat.:	1600	2040	1160	1600	2362	838	1600	1404	196	1600	1472	128

Capacity Analysis Module:

Vol/Sat:	0.05	0.15	0.15	0.03	0.14	0.14	0.09	0.54	0.54	0.07	0.29	0.29
Crit Moves:	****			****			****			****		

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 No Project Conditions
 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #8 Mountain Ave & Duarte Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.745
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 56 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:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	0	1	0	1	1	0	1

Volume Module:

Base Vol:	35	204	76	100	231	200	255	521	119	84	281	93
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	40	231	86	113	261	226	288	589	134	95	318	105
Added Vol:	0	3	0	3	3	0	0	1	0	0	5	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	40	234	86	116	264	226	288	590	134	95	323	107
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:	40	234	86	116	264	226	288	590	134	95	323	107
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	234	86	116	264	226	288	590	134	95	323	107
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
FinalVolume:	40	234	86	116	264	226	288	590	134	95	323	107

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	0.73	0.27	1.00	0.54	0.46	1.00	1.63	0.37	1.00	1.50	0.50
Final Sat.:	1600	1170	430	1600	862	738	1600	2606	594	1600	2402	798

Capacity Analysis Module:

Vol/Sat:	0.02	0.20	0.20	0.07	0.31	0.31	0.18	0.23	0.23	0.06	0.13	0.13
Crit Moves:	****			****			****			****		

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 with Project Conditions
 AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 California Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.435
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 30 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	1	0	0	0	0	1	1

Volume Module:

Base Vol:	60	356	0	0	260	60	0	0	0	59	244	106
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	68	402	0	0	294	68	0	0	0	67	276	120
Added Vol:	2	0	0	0	3	0	0	0	0	7	4	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	37	0
Initial Fut:	70	402	0	0	297	68	0	0	0	74	317	120
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:	70	402	0	0	297	68	0	0	0	74	317	120
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	70	402	0	0	297	68	0	0	0	74	317	120
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
FinalVolume:	70	402	0	0	297	68	0	0	0	74	317	120

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	2.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.43	1.87	0.70
Final Sat.:	1600	3200	0	0	1600	1600	0	0	0	693	2980	1127

Capacity Analysis Module:

Vol/Sat:	0.04	0.13	0.00	0.00	0.19	0.04	0.00	0.00	0.00	0.05	0.11	0.11
Crit Moves:	****			****						****		

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 with Project Conditions
 AM Peak Hour

Level Of Service Computation Report
 2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #2 Shamrock Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.361
 Loss Time (sec): 10 Average Delay (sec/veh): 10.5
 Optimal Cycle: 0 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound										
Movement:	L	T	R	L	T	R	L	T	R	L	T	R								
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign										
Rights:	Include			Include			Include			Include										
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0								
Lanes:	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	1	0

Volume Module:

Base Vol:	16	185	0	0	106	52	0	0	0	29	268	128
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	18	209	0	0	120	59	0	0	0	33	303	145
Added Vol:	1	0	0	0	0	0	0	0	0	5	9	0
PasserByVol:	37	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	56	209	0	0	120	59	0	0	0	38	312	145
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:	56	209	0	0	120	59	0	0	0	38	312	145
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	56	209	0	0	120	59	0	0	0	38	312	145
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
FinalVolume:	56	209	0	0	120	59	0	0	0	38	312	145

Saturation Flow Module:

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:	0.42	1.58	0.00	0.00	1.34	0.66	0.00	0.00	0.00	1.00	1.37	0.63
Final Sat.:	238	907	0	0	777	403	0	0	0	568	864	424

Capacity Analysis Module:

Vol/Sat:	0.24	0.23	xxxx	xxxx	0.15	0.15	xxxx	xxxx	xxxx	0.07	0.36	0.34
Crit Moves:	****				****						****	
Delay/Veh:	10.6	10.4	0.0	0.0	9.7	9.2	0.0	0.0	0.0	9.3	11.2	10.5
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
AdjDel/Veh:	10.6	10.4	0.0	0.0	9.7	9.2	0.0	0.0	0.0	9.3	11.2	10.5
LOS by Move:	B	B	*	*	A	A	*	*	*	A	B	B
ApproachDel:		10.5			9.5		xxxxxxx				10.8	
Delay Adj:		1.00			1.00		xxxxxx				1.00	
ApprAdjDel:		10.5			9.5		xxxxxxx				10.8	
LOS by Appr:		B			A			*			B	
AllWayAvgQ:	0.3	0.3	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.1	0.5	0.5

Note: Queue reported is the number of cars per lane.

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 with Project Conditions
 AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #3 Mountain Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.780
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 62 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			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	1	0	0	0	1	0	1

Volume Module:

Base Vol:	200	471	0	0	514	129	0	0	0	269	510	354
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	226	532	0	0	581	146	0	0	0	304	576	400
Added Vol:	0	6	0	0	5	4	0	0	0	12	10	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	226	538	0	0	586	150	0	0	0	316	586	401
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:	226	538	0	0	586	150	0	0	0	316	586	401
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	226	538	0	0	586	150	0	0	0	316	586	401
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
FinalVolume:	226	538	0	0	586	150	0	0	0	316	586	401

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	2.00	0.00	0.00	1.59	0.41	0.00	0.00	0.00	1.00	1.19	0.81
Final Sat.:	1600	3200	0	0	2548	652	0	0	0	1600	1900	1300

Capacity Analysis Module:

Vol/Sat:	0.14	0.17	0.00	0.00	0.23	0.23	0.00	0.00	0.00	0.20	0.31	0.31
Crit Moves:	****			****						****		

Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
Future 2025 with Project Conditions
AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 California Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.561
Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 37 Level Of Service: A

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement (L-T-R), Control (Permitted), Rights (Include), Min. Green, Y+R, and Lanes.

Volume Module: Table with 13 columns for different traffic movements. Rows include Base Vol, Growth Adj, Initial Bse, Added Vol, PasserByVol, Initial Fut, User Adj, PHF Adj, PHF Volume, Reduct Vol, Reduced Vol, PCE Adj, MLF Adj, and FinalVolume.

Saturation Flow Module: Table with 13 columns for different traffic movements. Rows include Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module: Table with 13 columns for different traffic movements. Rows include Vol/Sat and Crit Moves.

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 with Project Conditions
 AM Peak Hour

Level Of Service Computation Report
 2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #5 Shamrock Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.364
 Loss Time (sec): 0 Average Delay (sec/veh): 10.8
 Optimal Cycle: 0 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	1	0	1	0	0	0	1	0	1	0	0

Volume Module:

Base Vol:	0	95	12	155	29	0	131	147	9	0	0	0
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	0	107	14	175	33	0	148	166	10	0	0	0
Added Vol:	0	1	5	0	5	0	0	17	11	0	0	0
PasserByVol:	0	37	0	0	0	0	0	0	83	0	0	0
Initial Fut:	0	145	19	175	38	0	148	183	104	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:	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:	0	145	19	175	38	0	148	183	104	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	145	19	175	38	0	148	183	104	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
FinalVolume:	0	145	19	175	38	0	148	183	104	0	0	0

Saturation Flow Module:

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:	0.00	1.77	0.23	1.00	1.00	0.00	0.68	0.84	0.48	0.00	0.00	0.00
Final Sat.:	0	1047	136	550	592	0	406	541	322	0	0	0

Capacity Analysis Module:

Vol/Sat:	xxxx	0.14	0.14	0.32	0.06	xxxx	0.36	0.34	0.32	xxxx	xxxx	xxxx
Crit Moves:		****		****			****					
Delay/Veh:	0.0	9.4	9.3	11.8	8.9	0.0	11.8	10.8	10.3	0.0	0.0	0.0
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
AdjDel/Veh:	0.0	9.4	9.3	11.8	8.9	0.0	11.8	10.8	10.3	0.0	0.0	0.0
LOS by Move:	*	A	A	B	A	*	B	B	B	*	*	*
ApproachDel:		9.4			11.3			11.0		xxxxxxx		
Delay Adj:		1.00			1.00			1.00		xxxxxxx		
ApprAdjDel:		9.4			11.3			11.0		xxxxxxx		
LOS by Appr:		A			B			B			*	
AllWayAvgQ:	0.1	0.1	0.1	0.4	0.1	0.1	0.5	0.4	0.4	0.0	0.0	0.0

Note: Queue reported is the number of cars per lane.

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 with Project Conditions
 AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #6 Mountain Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.737
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 55 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:	Permitted			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1 1 0	1	0	1 1 0	1	0	2 0 1	0	0	0 0 0

Volume Module:

Base Vol:	0	380	197	306	481	0	302	241	177	0	0	0
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	0	429	223	346	544	0	341	272	200	0	0	0
Added Vol:	0	3	0	1	16	0	3	20	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	432	223	347	560	0	344	292	200	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:	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:	0	432	223	347	560	0	344	292	200	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	432	223	347	560	0	344	292	200	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
FinalVolume:	0	432	223	347	560	0	344	292	200	0	0	0

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:	0.00	1.32	0.68	1.00	2.00	0.00	1.00	2.00	1.00	0.00	0.00	0.00
Final Sat.:	0	2112	1088	1600	3200	0	1600	3200	1600	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.20	0.20	0.22	0.17	0.00	0.22	0.09	0.13	0.00	0.00	0.00
Crit Moves:	****			****			****					

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 with Project Conditions
 AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #7 California Ave & Duarte Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.716
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 52 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	0	0	1	0	0	1

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	85	324	123	23	166	108	121	298	39	52	433	56
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	96	366	139	26	188	122	137	337	44	59	489	63
Added Vol:	0	4	6	0	0	0	0	0	0	1	0	13
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	96	370	145	26	188	122	137	337	44	60	489	76
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:	96	370	145	26	188	122	137	337	44	60	489	76
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	96	370	145	26	188	122	137	337	44	60	489	76
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
FinalVolume:	96	370	145	26	188	122	137	337	44	60	489	76

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
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	1.44	0.56	1.00	1.21	0.79	1.00	0.88	0.12	1.00	0.87	0.13
Final Sat.:	1600	2299	901	1600	1939	1261	1600	1415	185	1600	1384	216

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.06	0.16	0.16	0.02	0.10	0.10	0.09	0.24	0.24	0.04	0.35	0.35
Crit Moves:	****			****			****			****		

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 with Project Conditions
 AM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #8 Mountain Ave & Duarte Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.743
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 56 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:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	0	1	0	1	1	0	1

Volume Module:

Base Vol:	95	304	110	66	139	212	194	289	44	113	362	98
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	107	344	124	75	157	240	219	327	50	128	409	111
Added Vol:	0	2	0	3	1	12	0	6	0	0	2	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	107	346	124	78	158	252	219	333	50	128	411	112
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:	107	346	124	78	158	252	219	333	50	128	411	112
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	107	346	124	78	158	252	219	333	50	128	411	112
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
FinalVolume:	107	346	124	78	158	252	219	333	50	128	411	112

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	0.74	0.26	1.00	0.39	0.61	1.00	1.74	0.26	1.00	1.57	0.43
Final Sat.:	1600	1177	423	1600	617	983	1600	2784	416	1600	2516	684

Capacity Analysis Module:

Vol/Sat:	0.07	0.29	0.29	0.05	0.26	0.26	0.14	0.12	0.12	0.08	0.16	0.16
Crit Moves:	****			****			****			****		

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 with Project Conditions
 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #1 California Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.505
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 34 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	1	0	0	0	0	1	1

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	69	297	0	0	371	90	0	0	0	104	187	37
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	78	336	0	0	419	102	0	0	0	118	211	42
Added Vol:	6	2	0	0	0	0	0	0	0	2	13	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	49	0
Initial Fut:	84	338	0	0	419	102	0	0	0	120	273	43
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:	84	338	0	0	419	102	0	0	0	120	273	43
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	84	338	0	0	419	102	0	0	0	120	273	43
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
FinalVolume:	84	338	0	0	419	102	0	0	0	120	273	43

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
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	2.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	0.82	1.89	0.29
Final Sat.:	1600	3200	0	0	1600	1600	0	0	0	1317	3011	472

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	0.05	0.11	0.00	0.00	0.26	0.06	0.00	0.00	0.00	0.07	0.09	0.09
Crit Moves:	****			****						****		

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 with Project Conditions
 PM Peak Hour

Level Of Service Computation Report
 2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #2 Shamrock Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.340
 Loss Time (sec): 10 Average Delay (sec/veh): 10.0
 Optimal Cycle: 0 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound											
Movement:	L	T	R	L	T	R	L	T	R	L	T	R									
Control:	Stop Sign			Stop Sign			Stop Sign			Stop Sign											
Rights:	Include			Include			Include			Include											
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0									
Lanes:	0	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	1	0

Volume Module:

Base Vol:	22	95	0	0	238	156	0	0	0	31	116	90
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	25	107	0	0	269	176	0	0	0	35	131	102
Added Vol:	6	0	0	0	0	0	0	0	0	0	10	0
PasserByVol:	49	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	80	107	0	0	269	176	0	0	0	35	141	102
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:	80	107	0	0	269	176	0	0	0	35	141	102
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	80	107	0	0	269	176	0	0	0	35	141	102
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
FinalVolume:	80	107	0	0	269	176	0	0	0	35	141	102

Saturation Flow Module:

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:	0.85	1.15	0.00	0.00	1.21	0.79	0.00	0.00	0.00	1.00	1.16	0.84
Final Sat.:	484	690	0	0	791	564	0	0	0	533	680	532

Capacity Analysis Module:

Vol/Sat:	0.17	0.16	xxxx	xxxx	0.34	0.31	xxxx	xxxx	xxxx	0.07	0.21	0.19
Crit Moves:	****				****						****	
Delay/Veh:	10.0	9.5	0.0	0.0	10.7	9.7	0.0	0.0	0.0	9.6	10.0	9.2
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
AdjDel/Veh:	10.0	9.5	0.0	0.0	10.7	9.7	0.0	0.0	0.0	9.6	10.0	9.2
LOS by Move:	B	A	*	*	B	A	*	*	*	A	A	A
ApproachDel:		9.7			10.3		xxxxxxx				9.7	
Delay Adj:		1.00			1.00		xxxxxxx				1.00	
ApprAdjDel:		9.7			10.3		xxxxxxx				9.7	
LOS by Appr:		A			B			*			A	
AllWayAvgQ:	0.2	0.2	0.0	0.0	0.5	0.4	0.0	0.0	0.0	0.1	0.2	0.2

Note: Queue reported is the number of cars per lane.

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 with Project Conditions
 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #3 Mountain Ave & Central Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.776
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 62 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			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	2	0	0	1	0	0	0	1	0	1

Volume Module:

Base Vol:	215	527	0	0	673	192	0	0	0	261	170	301
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	243	596	0	0	760	217	0	0	0	295	192	340
Added Vol:	0	11	0	0	9	5	0	0	0	12	7	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	243	607	0	0	769	222	0	0	0	307	199	342
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:	243	607	0	0	769	222	0	0	0	307	199	342
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	243	607	0	0	769	222	0	0	0	307	199	342
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
FinalVolume:	243	607	0	0	769	222	0	0	0	307	199	342

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	2.00	0.00	0.00	1.55	0.45	0.00	0.00	0.00	1.00	1.00	1.00
Final Sat.:	1600	3200	0	0	2484	716	0	0	0	1600	1600	1600

Capacity Analysis Module:

Vol/Sat:	0.15	0.19	0.00	0.00	0.31	0.31	0.00	0.00	0.00	0.19	0.12	0.21
Crit Moves:	****				****							****

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 with Project Conditions
 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 California Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.667
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 46 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	0	0	1	0	1	0	1	1	0	0	0	0

Volume Module:

Base Vol:	0	333	94	129	345	0	40	395	62	0	0	0
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	0	376	106	146	390	0	45	446	70	0	0	0
Added Vol:	0	7	19	0	2	0	0	4	2	0	0	0
PasserByVol:	0	0	64	0	0	0	0	0	0	0	0	0
Initial Fut:	0	383	189	146	392	0	45	450	72	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:	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:	0	383	189	146	392	0	45	450	72	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	383	189	146	392	0	45	450	72	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
FinalVolume:	0	383	189	146	392	0	45	450	72	0	0	0

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:	0.00	0.67	0.33	1.00	1.00	0.00	0.24	2.38	0.38	0.00	0.00	0.00
Final Sat.:	0	1071	529	1600	1600	0	382	3808	609	0	0	0

Capacity Analysis Module:

Vol/Sat:	0.00	0.36	0.36	0.09	0.24	0.00	0.03	0.12	0.12	0.00	0.00	0.00
Crit Moves:	****			****			****					

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 with Project Conditions
 PM Peak Hour

Level Of Service Computation Report
 2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #5 Shamrock Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.680
 Loss Time (sec): 0 Average Delay (sec/veh): 18.4
 Optimal Cycle: 0 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:	Stop Sign			Stop Sign			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0	1	0	1	0	0	0	1	0	1	0	0

Volume Module:	North Bound			South Bound			East Bound			West Bound		
Base Vol:	0	93	14	262	28	0	43	572	6	0	0	0
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	0	105	16	296	32	0	49	646	7	0	0	0
Added Vol:	0	6	9	0	0	0	0	17	6	0	0	0
PasserByVol:	0	49	0	0	0	0	0	0	64	0	0	0
Initial Fut:	0	160	25	296	32	0	49	663	77	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:	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:	0	160	25	296	32	0	49	663	77	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	160	25	296	32	0	49	663	77	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
FinalVolume:	0	160	25	296	32	0	49	663	77	0	0	0

Saturation Flow Module:	North Bound			South Bound			East Bound			West Bound		
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:	0.00	1.73	0.27	1.00	1.00	0.00	0.12	1.69	0.19	0.00	0.00	0.00
Final Sat.:	0	869	137	485	514	0	71	991	117	0	0	0

Capacity Analysis Module:	North Bound			South Bound			East Bound			West Bound		
Vol/Sat:	xxxx	0.18	0.18	0.61	0.06	xxxx	0.68	0.67	0.66	xxxx	xxxx	xxxx
Crit Moves:	****			****			****			****		
Delay/Veh:	0.0	11.1	10.9	20.1	9.9	0.0	20.5	19.8	19.0	0.0	0.0	0.0
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
AdjDel/Veh:	0.0	11.1	10.9	20.1	9.9	0.0	20.5	19.8	19.0	0.0	0.0	0.0
LOS by Move:	*	B	B	C	A	*	C	C	C	*	*	*
ApproachDel:	11.1			19.1			19.7			xxxxxxx		
Delay Adj:	1.00			1.00			1.00			xxxxxx		
ApprAdjDel:	11.1			19.1			19.7			xxxxxxx		
LOS by Appr:	B			C			C			*		
AllWayAvgQ:	0.2	0.2	0.2	1.4	0.1	0.1	1.9	1.7	1.7	0.0	0.0	0.0

Note: Queue reported is the number of cars per lane.

Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
Future 2025 with Project Conditions
PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #6 Mountain Ave & Evergreen Ave

Cycle (sec): 100 Critical Vol./Cap.(X): 0.909
Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 105 Level Of Service: E

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

Volume Module:

Table with 13 columns representing different volume metrics and 13 rows for various adjustment factors like Base Vol, Growth Adj, Initial Bse, etc.

Saturation Flow Module:

Table with 13 columns for saturation flow metrics and 4 rows for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module:

Table with 13 columns for capacity analysis metrics and 2 rows for Vol/Sat and Crit Moves.

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 with Project Conditions
 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #7 California Ave & Duarte Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.896
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 Optimal Cycle: 98 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:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	1	1	0	1	1	0	1	1	0	1

Volume Module:

Base Vol:	66	274	155	41	299	106	127	667	93	93	381	33
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	75	310	175	46	338	120	144	754	105	105	431	37
Added Vol:	0	0	1	1	4	0	0	0	0	5	0	12
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	75	310	176	47	342	120	144	754	105	110	431	49
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:	75	310	176	47	342	120	144	754	105	110	431	49
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	75	310	176	47	342	120	144	754	105	110	431	49
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
FinalVolume:	75	310	176	47	342	120	144	754	105	110	431	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	1.27	0.73	1.00	1.48	0.52	1.00	0.88	0.12	1.00	0.90	0.10
Final Sat.:	1600	2040	1160	1600	2370	830	1600	1404	196	1600	1436	164

Capacity Analysis Module:

Vol/Sat:	0.05	0.15	0.15	0.03	0.14	0.14	0.09	0.54	0.54	0.07	0.30	0.30
Crit Moves:	****			****			****			****		

 Monrovia LRT Gold Line Maintenance and Operations Facility Supplemental EIR
 Future 2025 with Project Conditions
 PM Peak Hour

Level Of Service Computation Report

ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #8 Mountain Ave & Duarte Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.753
 Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
 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:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Y+R:	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Lanes:	1	0	0	1	0	0	1	0	1	1	0	1

Volume Module:

Base Vol:	35	204	76	100	231	200	255	521	119	84	281	93
Growth Adj:	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
Initial Bse:	40	231	86	113	261	226	288	589	134	95	318	105
Added Vol:	0	3	0	3	3	12	0	2	0	0	5	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	40	234	86	116	264	238	288	591	134	95	323	107
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:	40	234	86	116	264	238	288	591	134	95	323	107
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	40	234	86	116	264	238	288	591	134	95	323	107
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
FinalVolume:	40	234	86	116	264	238	288	591	134	95	323	107

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	0.73	0.27	1.00	0.53	0.47	1.00	1.63	0.37	1.00	1.50	0.50
Final Sat.:	1600	1170	430	1600	841	759	1600	2607	593	1600	2402	798

Capacity Analysis Module:

Vol/Sat:	0.02	0.20	0.20	0.07	0.31	0.31	0.18	0.23	0.23	0.06	0.13	0.13
Crit Moves:	****			****			****			****		

FUTURE NO IMPROVEMENTS

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Level Of Service Computation Report
Circular 212 Planning Method (Future Volume Alternative)
*****
Intersection #1 Mountaine Ave & Duarte Rd
*****
Cycle (sec):          100          Critical Vol./Cap.(X):          0.731
Loss Time (sec):      10          Average Delay (sec/veh):          xxxxxx
Optimal Cycle:        74          Level Of Service:          C
*****
Approach:      North Bound      South Bound      East Bound      West Bound
Movement:      L - T - R      L - T - R      L - T - R      L - T - R
-----|-----|-----|-----|
Control:      Permitted      Permitted      Protected      Protected
Rights:      Include      Include      Include      Include
Min. Green:    0 0 0      0 0 0      0 0 0      0 0 0
Y+R:          4.0 4.0 4.0      4.0 4.0 4.0      4.0 4.0 4.0      4.0 4.0 4.0
Lanes:        1 0 0 1 0      1 0 0 1 0      1 0 1 1 0      1 0 1 1 0
-----|-----|-----|-----|
Volume Module:
Base Vol:      109 350 127      76 160 244      223 333 51      130 417 113
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:    109 350 127      76 160 244      223 333 51      130 417 113
Added Vol:     0 0 0      0 0 0      0 0 0      0 0 0
PasserByVol:   0 0 0      0 0 0      0 0 0      0 0 0
Initial Fut:    109 350 127      76 160 244      223 333 51      130 417 113
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:    109 350 127      76 160 244      223 333 51      130 417 113
Reduct Vol:    0 0 0      0 0 0      0 0 0      0 0 0
Reduced Vol:   109 350 127      76 160 244      223 333 51      130 417 113
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
FinalVolume:   109 350 127      76 160 244      223 333 51      130 417 113
-----|-----|-----|-----|
Saturation Flow Module:
Sat/Lane:      1425 1425 1425      1425 1425 1425      1425 1425 1425      1425 1425 1425
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 0.73 0.27      1.00 0.40 0.60      1.00 1.73 0.27      1.00 1.57 0.43
Final Sat.:    1425 1046 379      1425 564 861      1425 2471 379      1425 2242 608
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat:       0.08 0.33 0.33      0.05 0.28 0.28      0.16 0.13 0.13      0.09 0.19 0.19
Crit Volume:   477          76          223          265
Crit Moves:    ****          ****          ****          ****
*****

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Level Of Service Computation Report
Circular 212 Planning Method (Future Volume Alternative)
*****
Intersection #1 Mountaine Ave & Duarte Rd
*****
Cycle (sec):          100          Critical Vol./Cap.(X):          0.734
Loss Time (sec):      10          Average Delay (sec/veh):          xxxxxx
Optimal Cycle:        75          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:      Permitted      Permitted      Protected      Protected
Rights:      Include      Include      Include      Include
Min. Green:    0 0 0      0 0 0      0 0 0      0 0 0
Y+R:          4.0 4.0 4.0      4.0 4.0 4.0      4.0 4.0 4.0      4.0 4.0 4.0
Lanes:        1 0 0 1 0      1 0 0 1 0      1 0 1 1 0      1 0 1 1 0
-----|-----|-----|-----|
Volume Module:
Base Vol:      40 235 88      115 266 230      294 600 137      97 324 107
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:   40 235 88      115 266 230      294 600 137      97 324 107
Added Vol:     0 0 0      0 0 0      0 0 0      0 0 0
PasserByVol:  0 0 0      0 0 0      0 0 0      0 0 0
Initial Fut:   40 235 88      115 266 230      294 600 137      97 324 107
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:    40 235 88      115 266 230      294 600 137      97 324 107
Reduct Vol:    0 0 0      0 0 0      0 0 0      0 0 0
Reduced Vol:   40 235 88      115 266 230      294 600 137      97 324 107
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
FinalVolume:   40 235 88      115 266 230      294 600 137      97 324 107
-----|-----|-----|-----|
Saturation Flow Module:
Sat/Lane:     1425 1425 1425      1425 1425 1425      1425 1425 1425      1425 1425 1425
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 0.73 0.27      1.00 0.54 0.46      1.00 1.63 0.37      1.00 1.50 0.50
Final Sat.:   1425 1037 388      1425 764 661      1425 2320 530      1425 2142 708
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat:      0.03 0.23 0.23      0.08 0.35 0.35      0.21 0.26 0.26      0.07 0.15 0.15
Crit Volume:   40          496 294          216
Crit Moves:   ****          **** ****          ****
*****

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SCENARIO I

Level Of Service Computation Report

Circular 212 Planning Method (Future Volume Alternative)

Intersection #1 Mountaine Ave & Duarte Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.602
Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 50 Level Of Service: B

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

Volume Module table with 12 columns representing different traffic volumes and adjustment factors.

Saturation Flow Module table with 12 columns representing saturation flow rates and adjustments.

Capacity Analysis Module table with 12 columns representing volume-to-saturation ratios and critical volumes.

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Level Of Service Computation Report
Circular 212 Planning Method (Future Volume Alternative)
*****
Intersection #1 Mountaine Ave & Duarte Rd
*****
Cycle (sec):          100          Critical Vol./Cap.(X):          0.572
Loss Time (sec):      10          Average Delay (sec/veh):          xxxxxx
Optimal Cycle:        47          Level Of Service:          A
*****
Approach:      North Bound      South Bound      East Bound      West Bound
Movement:      L - T - R      L - T - R      L - T - R      L - T - R
-----|-----|-----|-----|
Control:      Permitted      Permitted      Protected      Protected
Rights:      Include      Include      Include      Include
Min. Green:    0 0 0      0 0 0      0 0 0      0 0 0
Y+R:          4.0 4.0 4.0      4.0 4.0 4.0      4.0 4.0 4.0      4.0 4.0 4.0
Lanes:        1 0 1 0 1      1 0 1 0 1      1 0 1 1 0      1 0 2 0 1
-----|-----|-----|-----|
Volume Module:
Base Vol:      40 235 88      115 266 230      294 600 137      97 324 107
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:    40 235 88      115 266 230      294 600 137      97 324 107
Added Vol:     0 0 0      0 0 0      0 0 0      0 0 0
PasserByVol:   0 0 0      0 0 0      0 0 0      0 0 0
Initial Fut:   40 235 88      115 266 230      294 600 137      97 324 107
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:    40 235 88      115 266 230      294 600 137      97 324 107
Reduct Vol:    0 0 0      0 0 0      0 0 0      0 0 0
Reduced Vol:   40 235 88      115 266 230      294 600 137      97 324 107
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
FinalVolume:   40 235 88      115 266 230      294 600 137      97 324 107
-----|-----|-----|-----|
Saturation Flow Module:
Sat/Lane:      1425 1425 1425      1425 1425 1425      1425 1425 1425      1425 1425 1425
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 1.00 1.00      1.00 1.00 1.00      1.00 1.63 0.37      1.00 2.00 1.00
Final Sat.:    1425 1425 1425      1425 1425 1425      1425 2320 530      1425 2850 1425
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat:       0.03 0.16 0.06      0.08 0.19 0.16      0.21 0.26 0.26      0.07 0.11 0.08
Crit Volume:   235          115          369          97
Crit Moves:    ****          ****          ****          ****
*****

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SCENARIO 2

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Level Of Service Computation Report
Circular 212 Planning Method (Future Volume Alternative)
*****
Intersection #1 Mountaine Ave & Duarte Rd
*****
Cycle (sec):          100          Critical Vol./Cap.(X):          0.551
Loss Time (sec):      10           Average Delay (sec/veh):        xxxxxx
Optimal Cycle:        44           Level Of Service:                A
*****
Approach:             North Bound      South Bound      East Bound      West Bound
Movement:             L - T - R      L - T - R      L - T - R      L - T - R
-----|-----|-----|-----|
Control:              Permitted      Permitted      Protected      Protected
Rights:               Include        Include        Include        Include
Min. Green:           0 0 0          0 0 0          0 0 0          0 0 0
Y+R:                  4.0 4.0 4.0    4.0 4.0 4.0    4.0 4.0 4.0    4.0 4.0 4.0
Lanes:                1 0 1 1 0      1 0 1 1 0      1 0 1 1 0      1 0 2 0 1
-----|-----|-----|-----|
Volume Module:
Base Vol:             109 350 127     76 160 244     223 333 51     130 417 113
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:          109 350 127     76 160 244     223 333 51     130 417 113
Added Vol:            0 0 0           0 0 0           0 0 0           0 0 0
PasserByVol:         0 0 0           0 0 0           0 0 0           0 0 0
Initial Fut:          109 350 127     76 160 244     223 333 51     130 417 113
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:           109 350 127     76 160 244     223 333 51     130 417 113
Reduct Vol:          0 0 0           0 0 0           0 0 0           0 0 0
Reduced Vol:         109 350 127     76 160 244     223 333 51     130 417 113
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
FinalVolume:         109 350 127     76 160 244     223 333 51     130 417 113
-----|-----|-----|-----|
Saturation Flow Module:
Sat/Lane:             1425 1425 1425  1425 1425 1425  1425 1425 1425  1425 1425 1425
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 1.47 0.53  1.00 1.00 1.00  1.00 1.73 0.27  1.00 2.00 1.00
Final Sat.:           1425 2091 759  1425 1425 1425  1425 2471 379  1425 2850 1425
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat:              0.08 0.17 0.17  0.05 0.11 0.17  0.16 0.13 0.13  0.09 0.15 0.08
Crit Volume:          109                               244 223                               209
Crit Moves:          ****                               **** ****                               ****
*****

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Level Of Service Computation Report
Circular 212 Planning Method (Future Volume Alternative)
*****
Intersection #1 Mountaine Ave & Duarte Rd
*****
Cycle (sec):          100          Critical Vol./Cap.(X):          0.529
Loss Time (sec):      10          Average Delay (sec/veh):        xxxxxx
Optimal Cycle:        42          Level Of Service:              A
*****
Approach:             North Bound      South Bound      East Bound      West Bound
Movement:             L - T - R      L - T - R      L - T - R      L - T - R
-----|-----|-----|-----|
Control:              Permitted      Permitted      Protected      Protected
Rights:               Include        Include        Include        Include
Min. Green:           0 0 0          0 0 0          0 0 0          0 0 0
Y+R:                  4.0 4.0 4.0    4.0 4.0 4.0    4.0 4.0 4.0    4.0 4.0 4.0
Lanes:                1 0 1 1 0      1 0 1 1 0      1 0 1 1 0      1 0 2 0 1
-----|-----|-----|-----|
Volume Module:
Base Vol:             40 235 88      115 266 230    294 600 137     97 324 107
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:          40 235 88      115 266 230    294 600 137     97 324 107
Added Vol:            0 0 0          0 0 0          0 0 0          0 0 0
PasserByVol:         0 0 0          0 0 0          0 0 0          0 0 0
Initial Fut:         40 235 88      115 266 230    294 600 137     97 324 107
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:           40 235 88      115 266 230    294 600 137     97 324 107
Reduct Vol:           0 0 0          0 0 0          0 0 0          0 0 0
Reduced Vol:         40 235 88      115 266 230    294 600 137     97 324 107
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
FinalVolume:         40 235 88      115 266 230    294 600 137     97 324 107
-----|-----|-----|-----|
Saturation Flow Module:
Sat/Lane:             1425 1425 1425 1425 1425 1425 1425 1425 1425 1425 1425 1425
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 1.46 0.54 1.00 1.07 0.93 1.00 1.63 0.37 1.00 2.00 1.00
Final Sat.:          1425 2074 776 1425 1528 1322 1425 2320 530 1425 2850 1425
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat:              0.03 0.11 0.11 0.08 0.17 0.17 0.21 0.26 0.26 0.07 0.11 0.08
Crit Volume:          40          248          369          97
Crit Moves:          ****          ****          ****          ****
*****

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SCENARIO 3

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-----
Level Of Service Computation Report
Circular 212 Planning Method (Future Volume Alternative)
*****
Intersection #1 Mountaine Ave & Duarte Rd
*****
Cycle (sec):          100          Critical Vol./Cap.(X):          0.746
Loss Time (sec):      10          Average Delay (sec/veh):      xxxxxx
Optimal Cycle:        79          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:              Split Phase    Split Phase      Protected      Protected
Rights:               Include        Include          Include        Include
Min. Green:           0 0 0          0 0 0          0 0 0          0 0 0
Y+R:                  4.0 4.0 4.0    4.0 4.0 4.0    4.0 4.0 4.0    4.0 4.0 4.0
Lanes:                1 0 1 0 1      1 0 1 0 1      1 0 1 1 0      1 0 2 0 1
-----|-----|-----|-----|
Volume Module:
Base Vol:             109 350 127      76 160 244      223 333 51      130 417 113
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:          109 350 127      76 160 244      223 333 51      130 417 113
Added Vol:            0 0 0            0 0 0            0 0 0            0 0 0
PasserByVol:         0 0 0            0 0 0            0 0 0            0 0 0
Initial Fut:          109 350 127      76 160 244      223 333 51      130 417 113
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:           109 350 127      76 160 244      223 333 51      130 417 113
Reduct Vol:          0 0 0            0 0 0            0 0 0            0 0 0
Reduced Vol:          109 350 127      76 160 244      223 333 51      130 417 113
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
FinalVolume:          109 350 127      76 160 244      223 333 51      130 417 113
-----|-----|-----|-----|
Saturation Flow Module:
Sat/Lane:             1375 1375 1375  1375 1375 1375  1375 1375 1375  1375 1375 1375
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 1.00 1.00  1.00 1.00 1.00  1.00 1.73 0.27  1.00 2.00 1.00
Final Sat.:           1375 1375 1375  1375 1375 1375  1375 2385 365  1375 2750 1375
-----|-----|-----|-----|
Capacity Analysis Module:
Vol/Sat:              0.08 0.25 0.09  0.06 0.12 0.18  0.16 0.14 0.14  0.09 0.15 0.08
Crit Volume:          350          244 223          208
Crit Moves:           ****          **** ****          ****
*****

```

Level Of Service Computation Report

Circular 212 Planning Method (Future Volume Alternative)

Intersection #1 Mountaine Ave & Duarte Rd

Cycle (sec): 100 Critical Vol./Cap.(X): 0.703
Loss Time (sec): 10 Average Delay (sec/veh): xxxxxx
Optimal Cycle: 67 Level Of Service: C

Table with 4 columns: North Bound, South Bound, East Bound, West Bound. Rows include Movement, Control, Rights, Min. Green, Y+R, and Lanes.

Volume Module: Table with 12 columns representing different traffic volumes and adjustment factors like Base Vol, Growth Adj, Initial Bse, etc.

Saturation Flow Module: Table with 12 columns for Sat/Lane, Adjustment, Lanes, and Final Sat.

Capacity Analysis Module: Table with 12 columns for Vol/Sat, Crit Volume, and Crit Moves.
