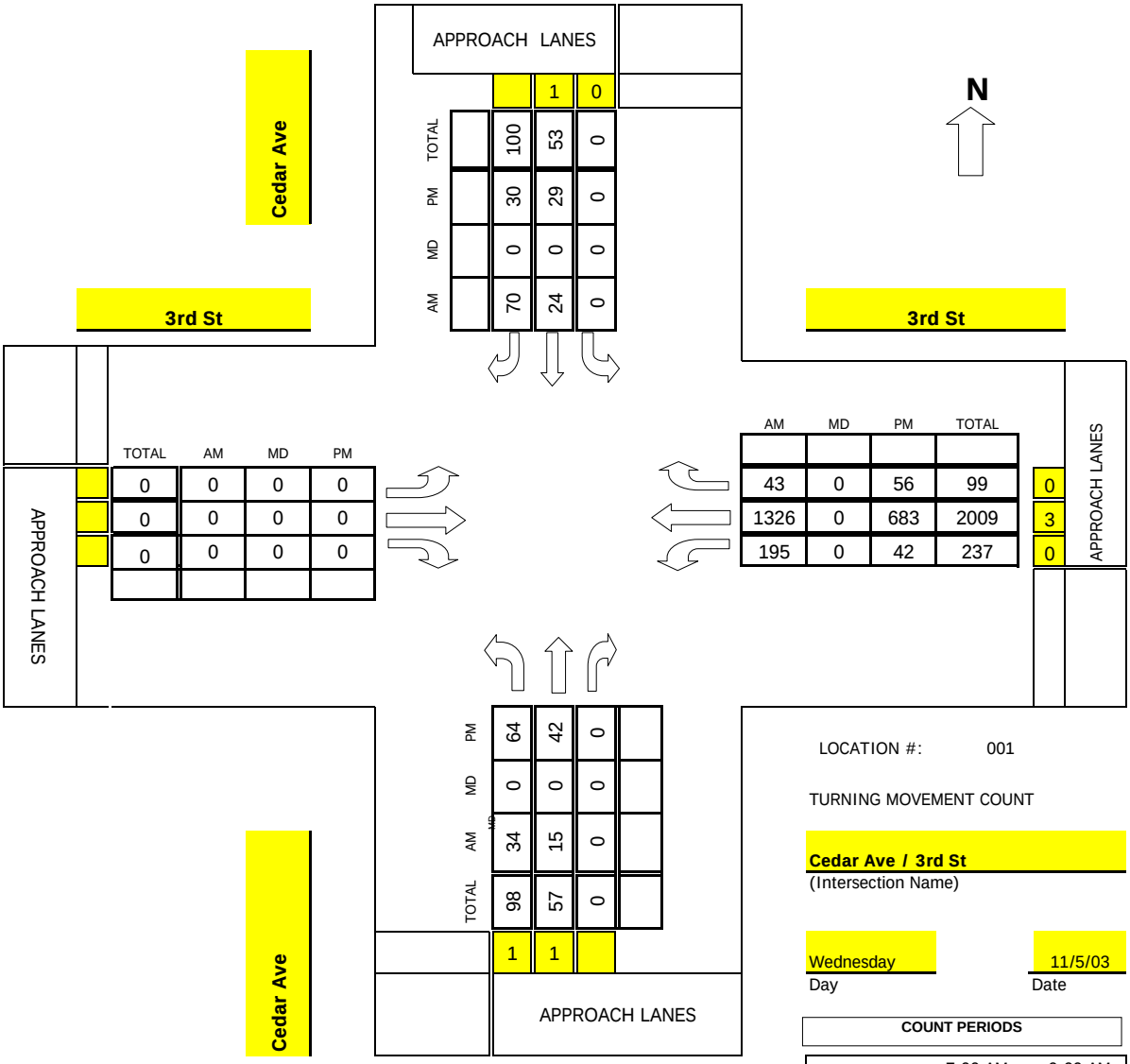
APPENDIX

TRAFFIC COUNTS

TMC SUMMARY OF Cedar Ave / 3rd St

Project #: 03-1614-021



LOCATION #: 001

TURNING MOVEMENT COUNT

Cedar Ave / 3rd St
(Intersection Name)

Wednesday
Day

11/5/03
Date

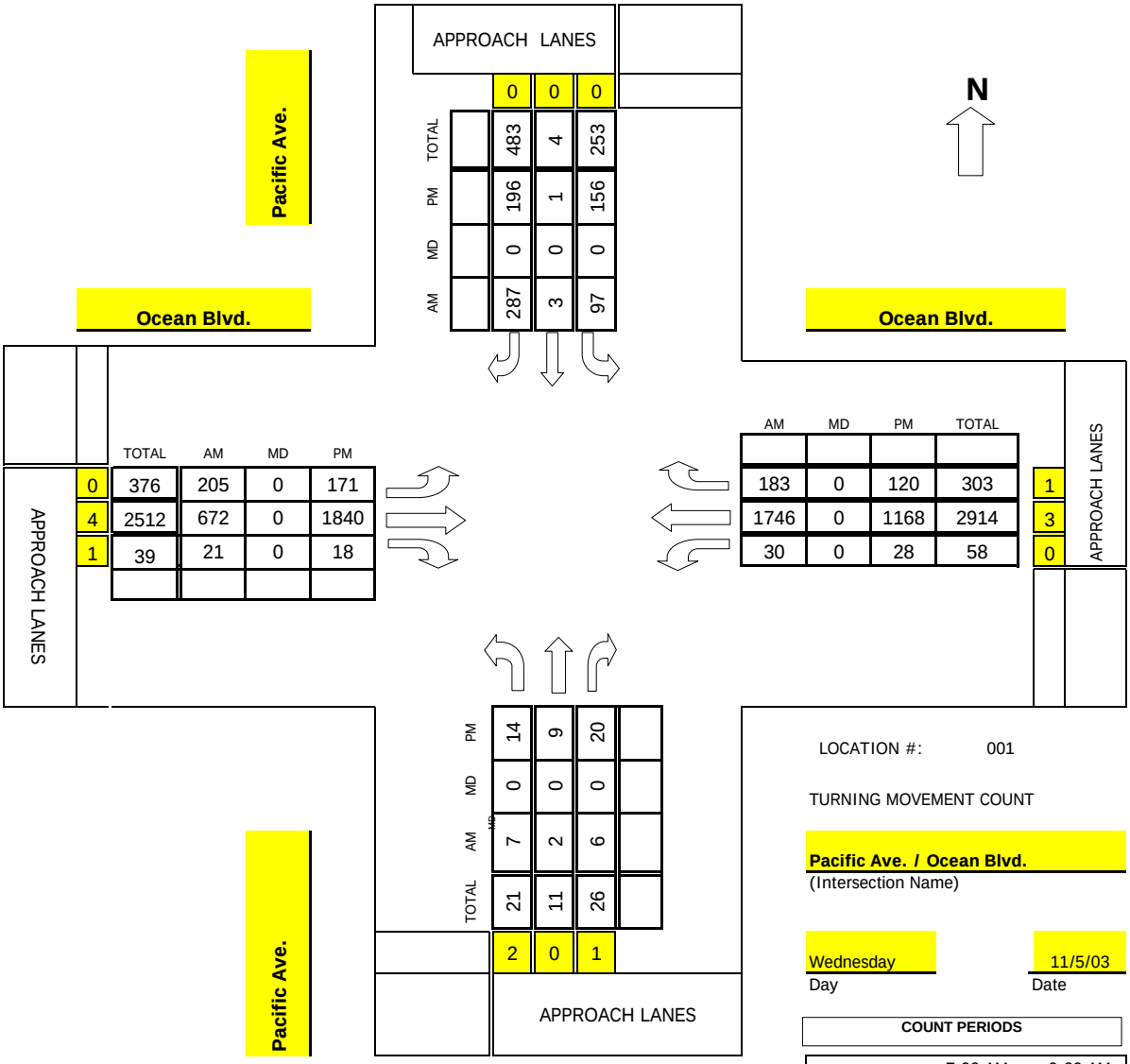
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	730 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	415 PM

TMC SUMMARY OF Pacific Ave. / Ocean Blvd.

Project #: 03-1614-003



LOCATION #: 001

TURNING MOVEMENT COUNT

Pacific Ave. / Ocean Blvd.
(Intersection Name)

Wednesday
Day

11/5/03
Date

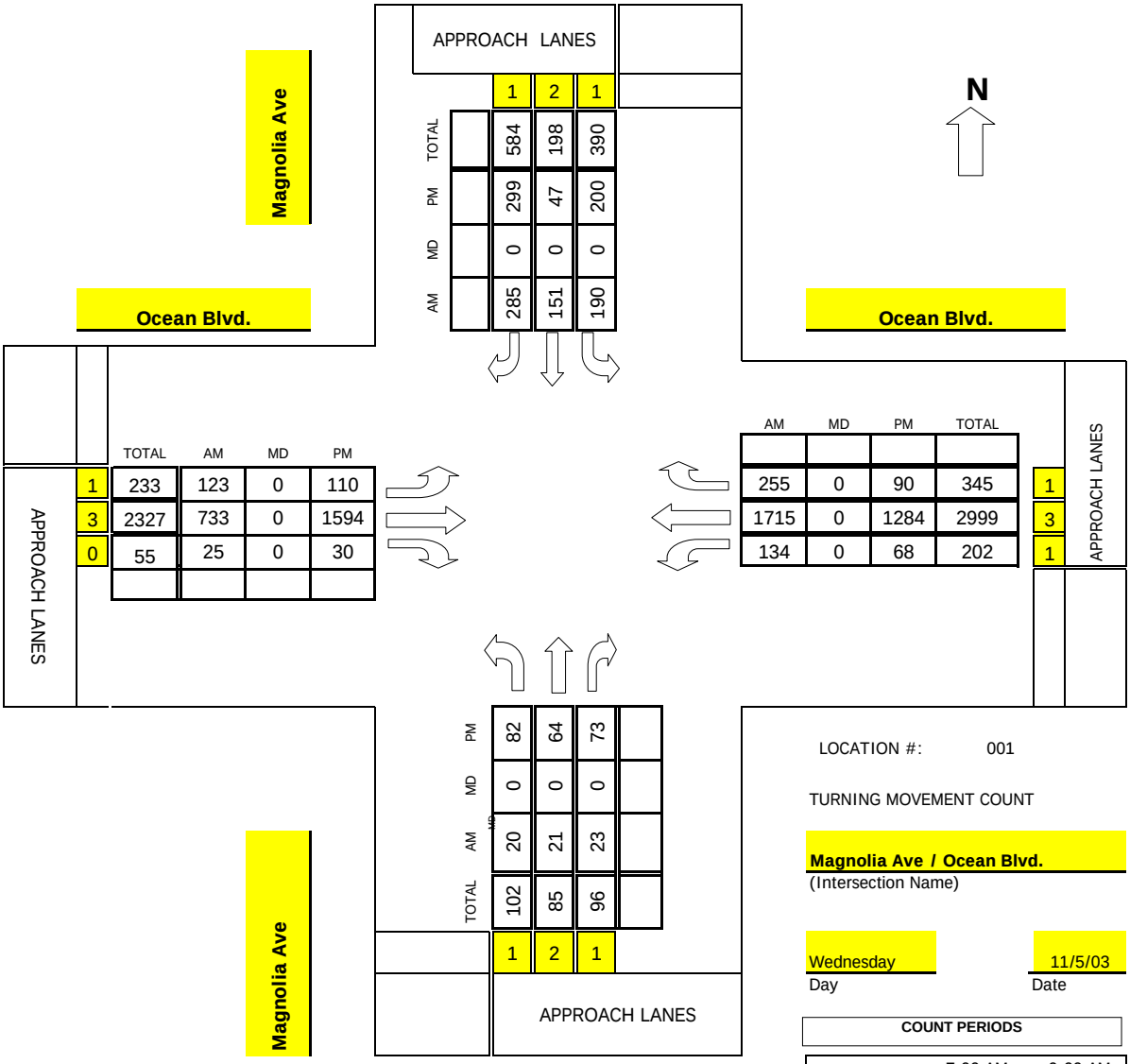
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	745 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	430 PM

TMC SUMMARY OF Magnolia Ave / Ocean Blvd.

Project #: 03-1614-002



	1	2	1
TOTAL	584	198	390
PM	299	47	200
MD	0	0	0
AM	285	151	190

	TOTAL	AM	MD	PM
1	233	123	0	110
3	2327	733	0	1594
0	55	25	0	30

AM	MD	PM	TOTAL	
255	0	90	345	1
1715	0	1284	2999	3
134	0	68	202	1

	1	2	1
PM	82	64	73
MD	0	0	0
AM	20	21	23
TOTAL	102	85	96

LOCATION #: 001

TURNING MOVEMENT COUNT

Magnolia Ave / Ocean Blvd.
(Intersection Name)

Wednesday — Day

11/5/03 — Date

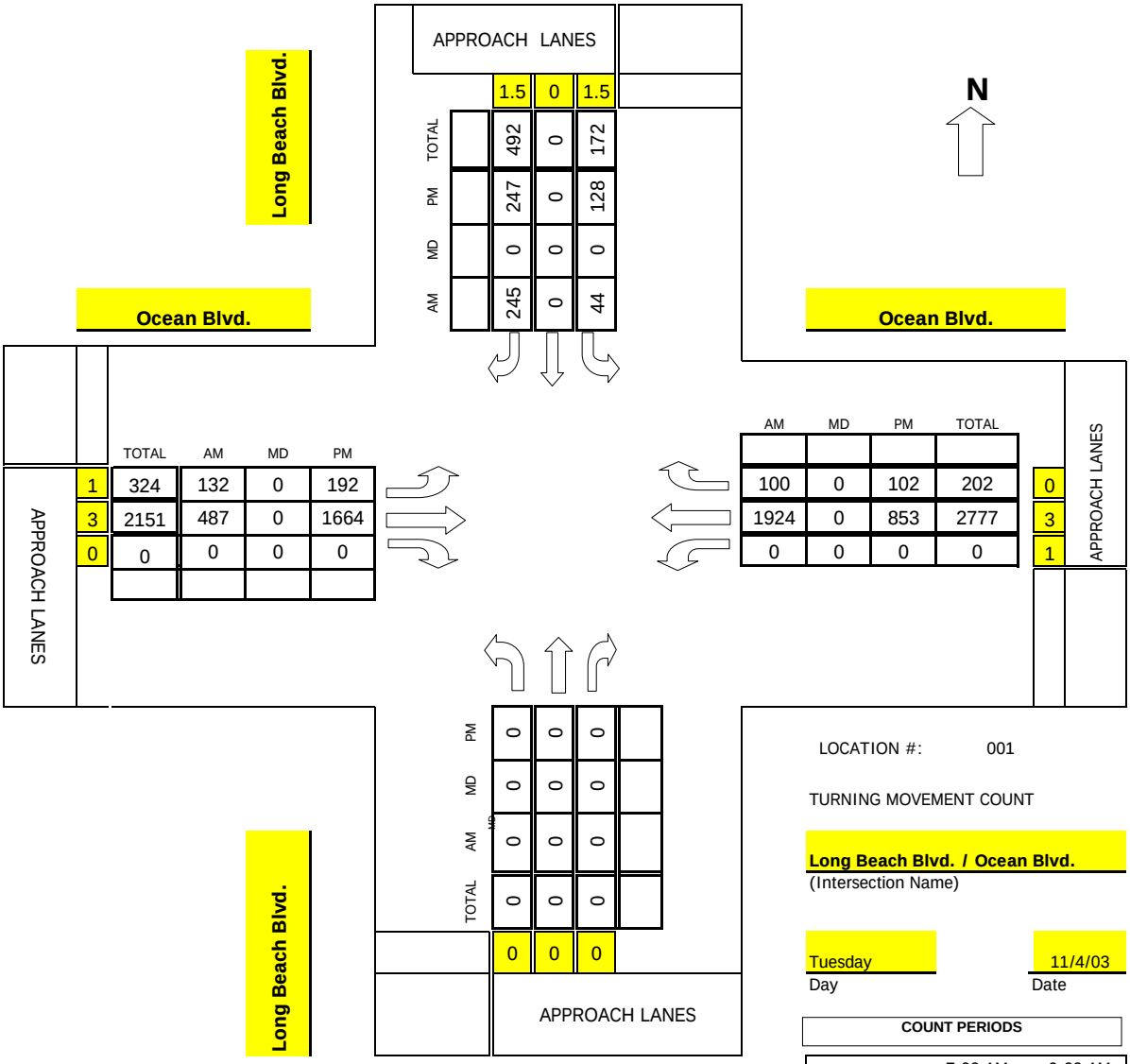
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	745 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	430 PM

TMC SUMMARY OF Long Beach Blvd. / Ocean Blvd.

Project #: 03-1614-005



LOCATION #: 001

TURNING MOVEMENT COUNT

Long Beach Blvd. / Ocean Blvd.
(Intersection Name)

Tuesday
Day

11/4/03
Date

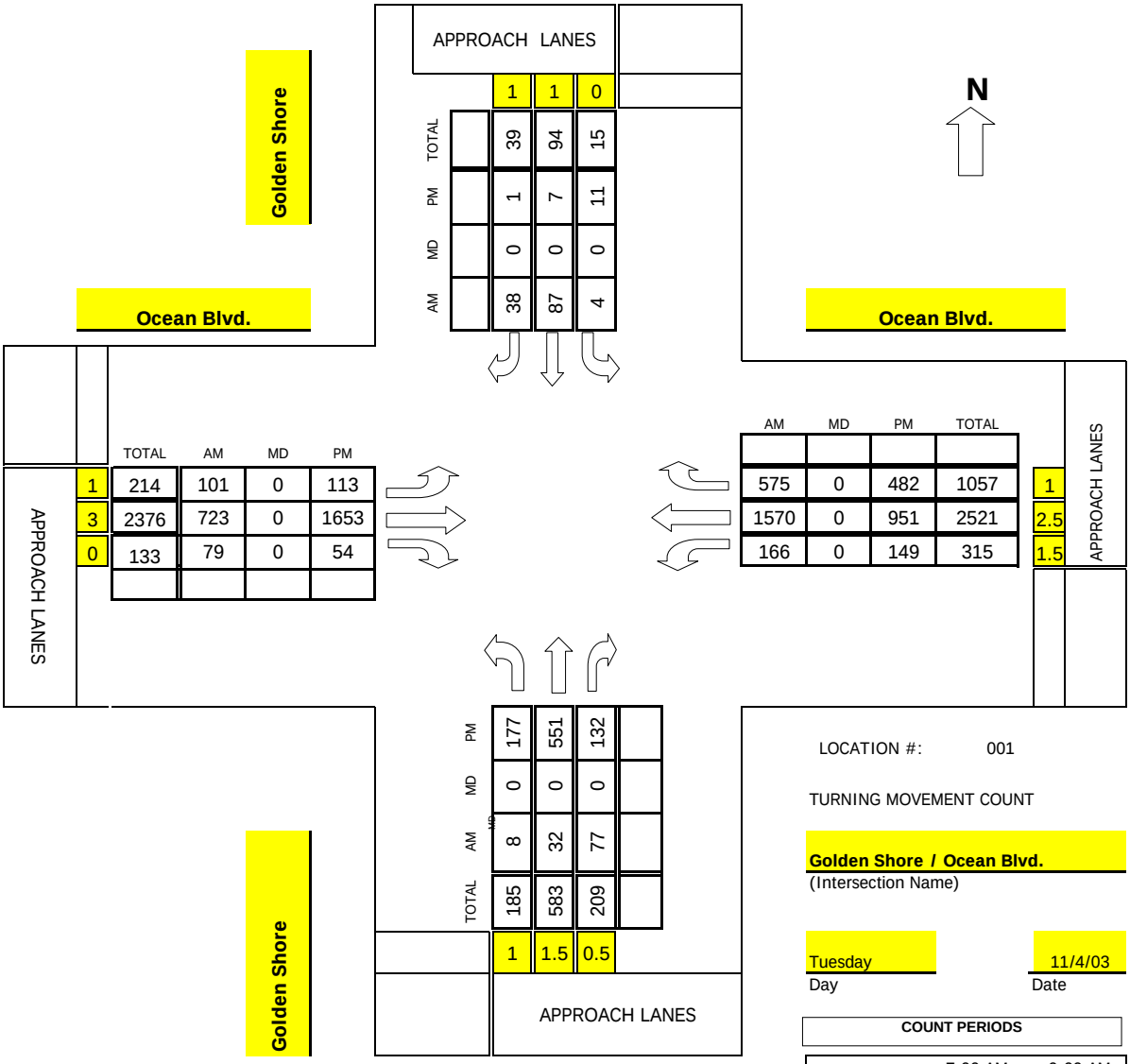
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	715 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	400 PM

TMC SUMMARY OF Golden Shore / Ocean Blvd.

Project #: 03-1614-001



LOCATION #: 001

TURNING MOVEMENT COUNT

Golden Shore / Ocean Blvd.
(Intersection Name)

Tuesday
Day

11/4/03
Date

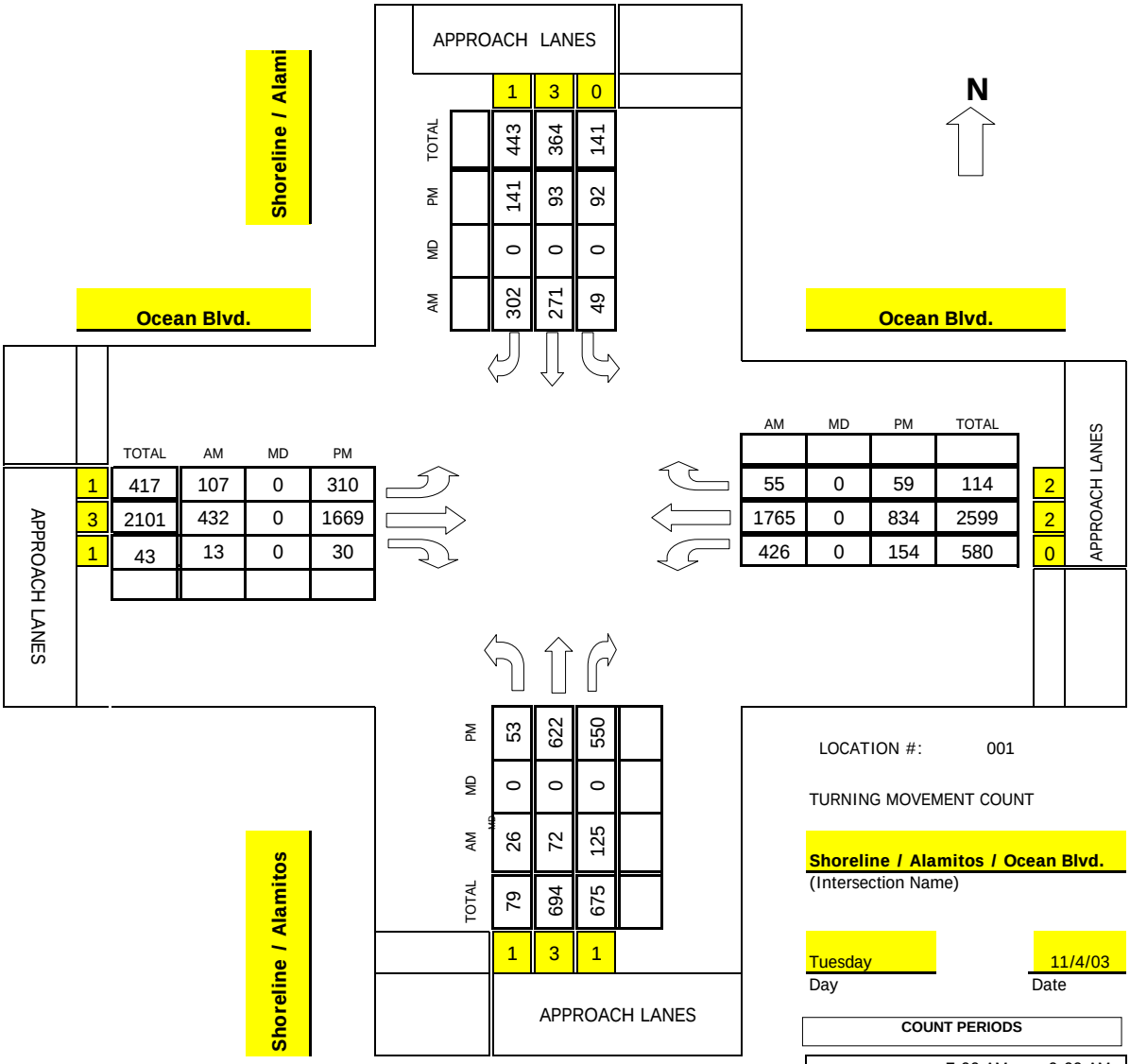
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	715 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	445 PM

TMC SUMMARY OF Shoreline / Alamitos / Ocean Blvd.

Project #: 03-1614-006



LOCATION #: 001

TURNING MOVEMENT COUNT

Shoreline / Alamitos / Ocean Blvd.
(Intersection Name)

Tuesday — Day

11/4/03 — Date

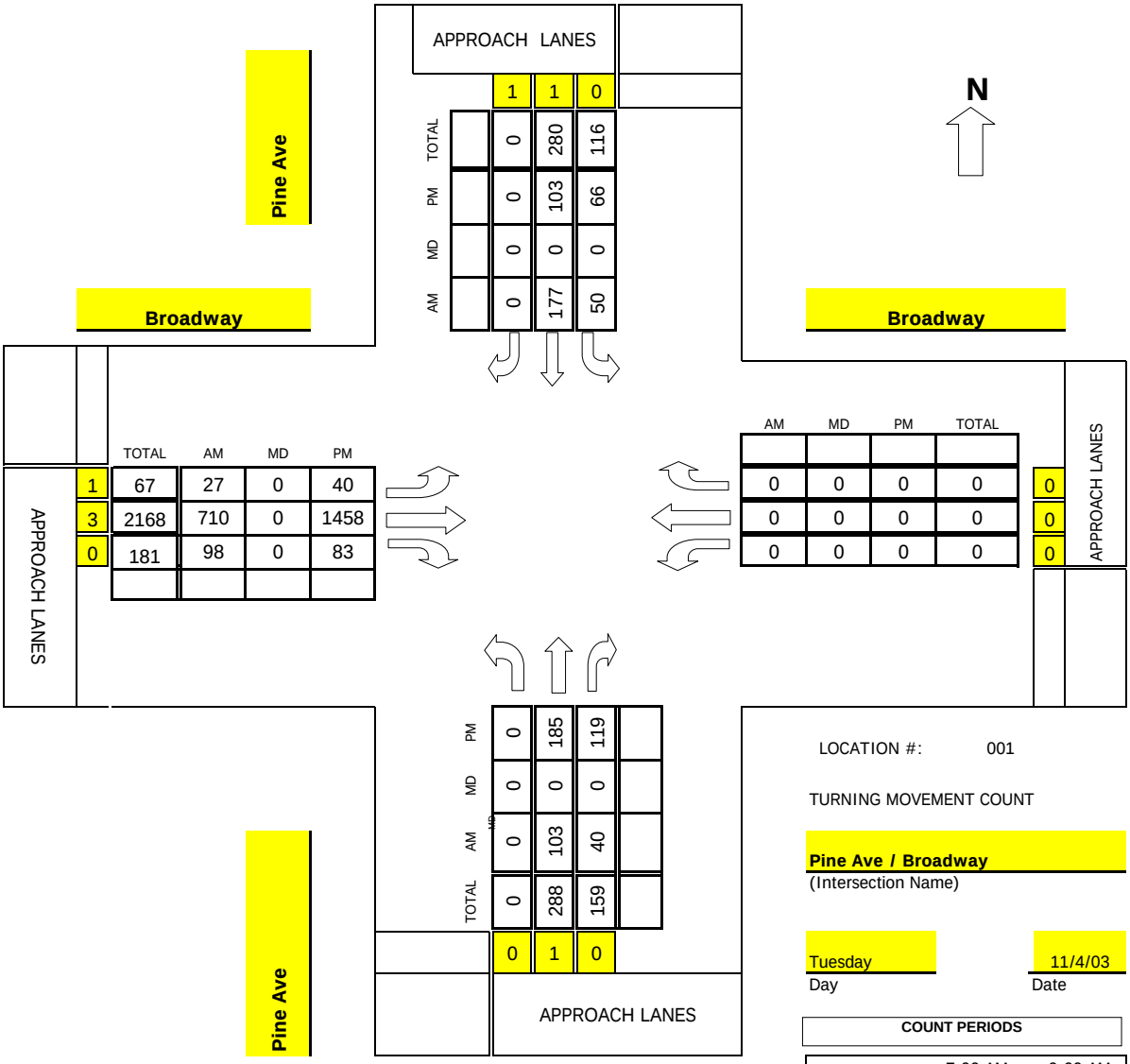
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	715 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	445 PM

TMC SUMMARY OF Pine Ave / Broadway

Project #: 03-1614-014



LOCATION #: 001

TURNING MOVEMENT COUNT

Pine Ave / Broadway
(Intersection Name)

Tuesday
Day

11/4/03
Date

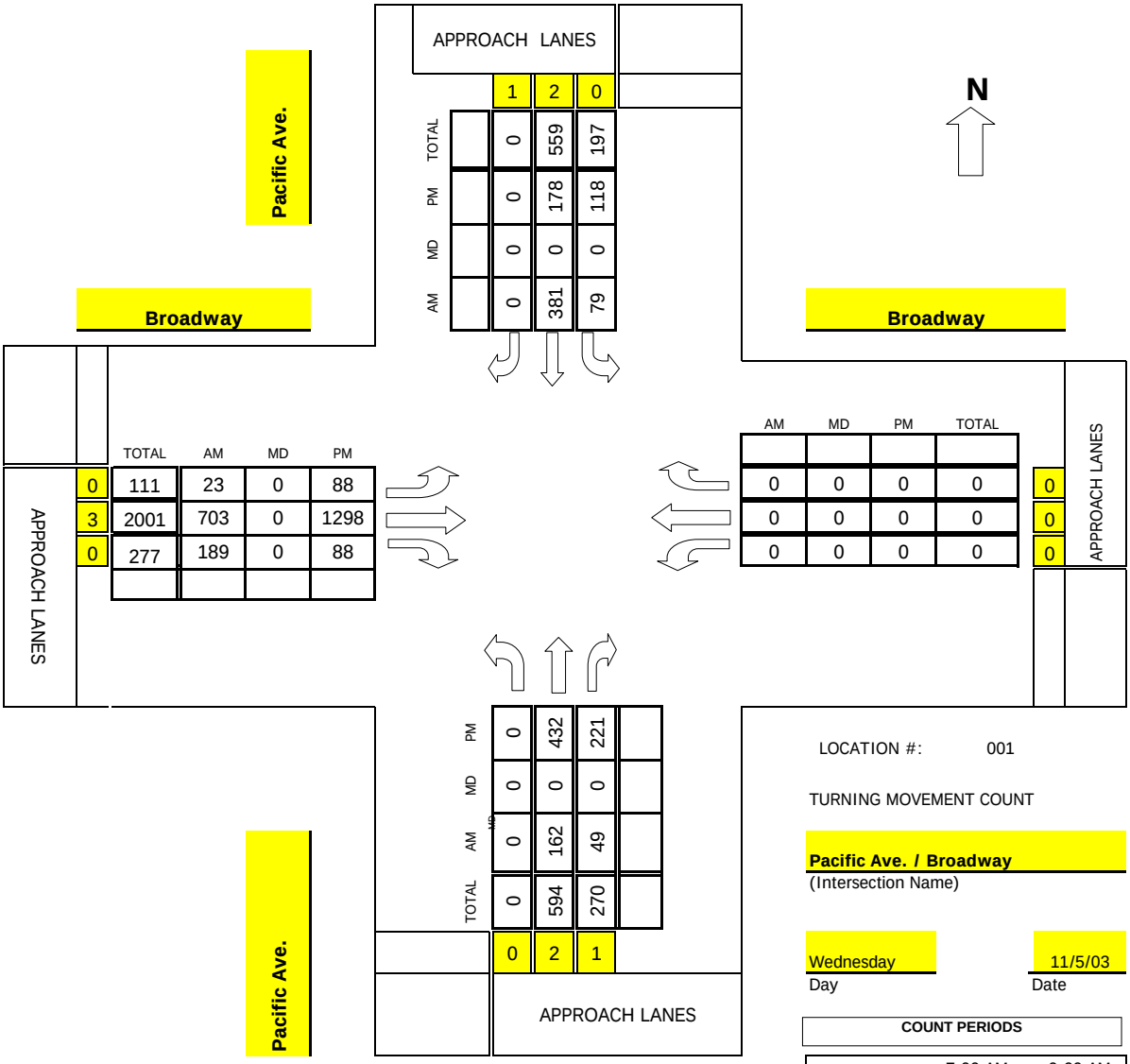
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	800 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	430 PM

TMC SUMMARY OF Pacific Ave. / Broadway

Project #: 03-1614-013



	1	2	0
TOTAL	0	559	197
PM	0	178	118
MD	0	0	0
AM	0	381	79

	TOTAL	AM	MD	PM
0	111	23	0	88
3	2001	703	0	1298
0	277	189	0	88

AM	MD	PM	TOTAL	
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

	0	2	1
PM	0	432	221
MD	0	0	0
AM	0	162	49
TOTAL	0	594	270

LOCATION #: 001

TURNING MOVEMENT COUNT

Pacific Ave. / Broadway
(Intersection Name)

Wednesday
Day

11/5/03
Date

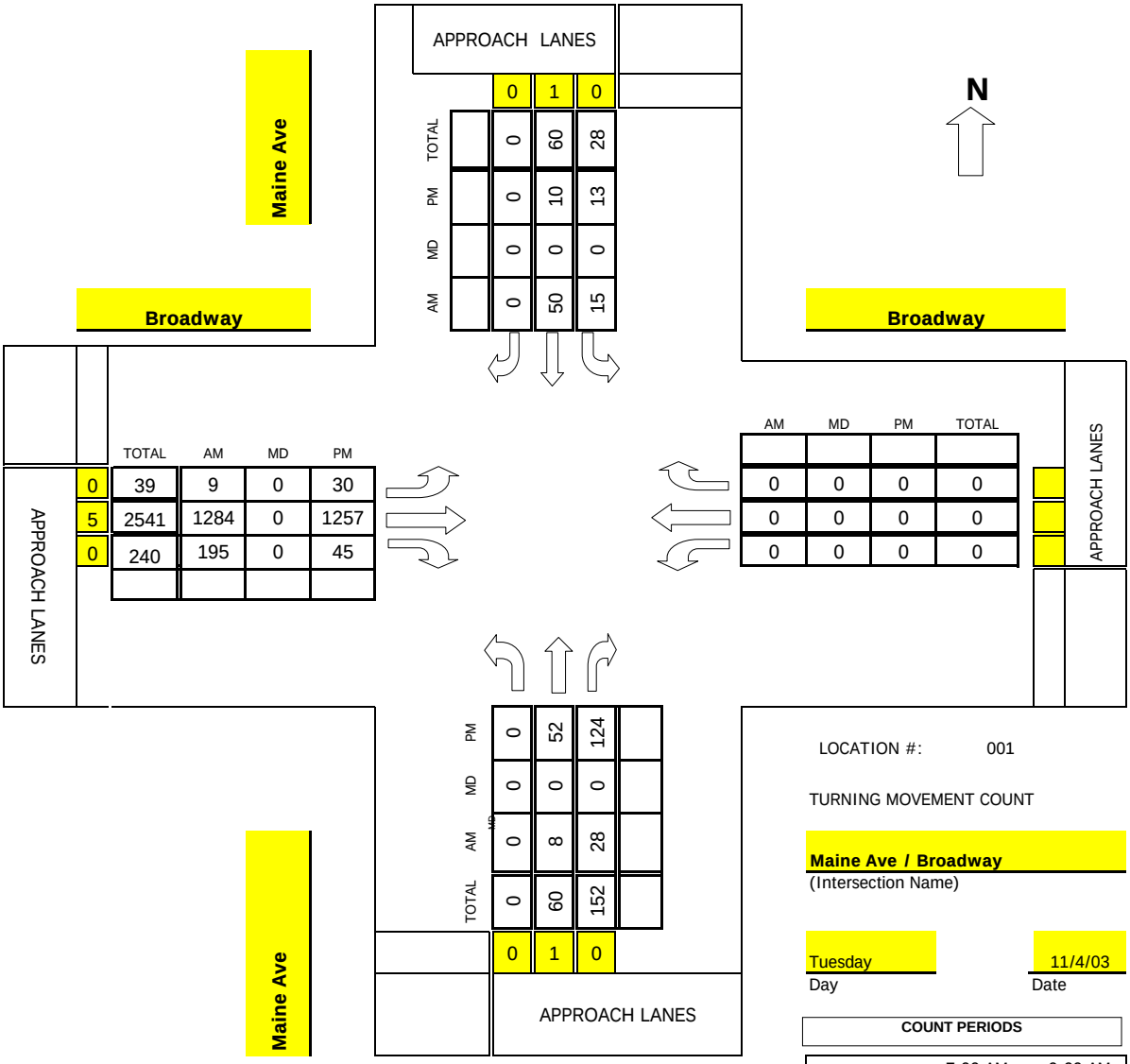
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	800 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	430 PM

TMC SUMMARY OF Maine Ave / Broadway

Project #: 03-1614-008



LOCATION #: 001

TURNING MOVEMENT COUNT

Maine Ave / Broadway
(Intersection Name)

Tuesday
Day

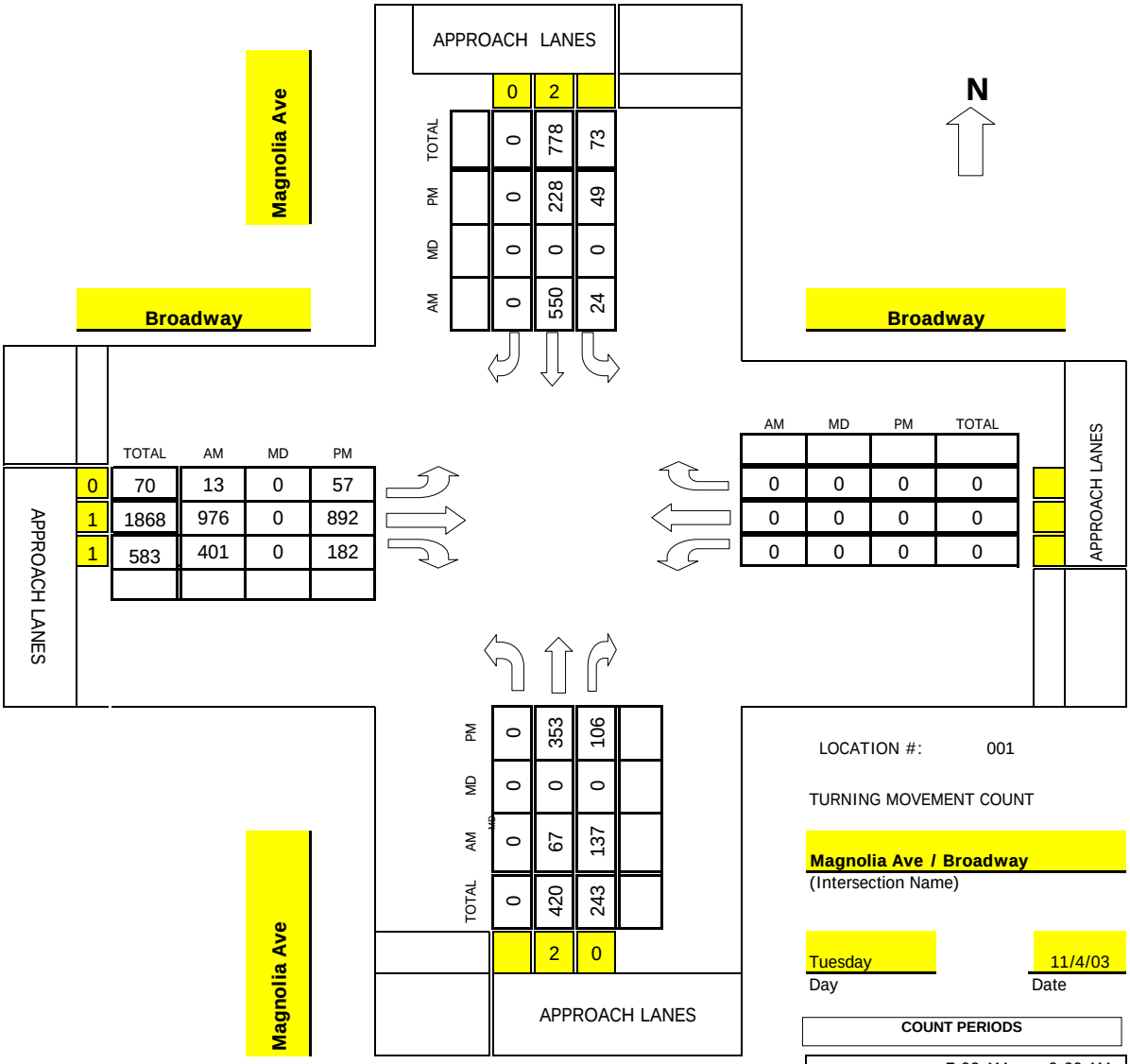
11/4/03
Date

COUNT PERIODS			
am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	745 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	445 PM

TMC SUMMARY OF Magnolia Ave / Broadway

Project #: 03-1614-010



LOCATION #: 001

TURNING MOVEMENT COUNT

Magnolia Ave / Broadway
(Intersection Name)

Tuesday
Day

11/4/03
Date

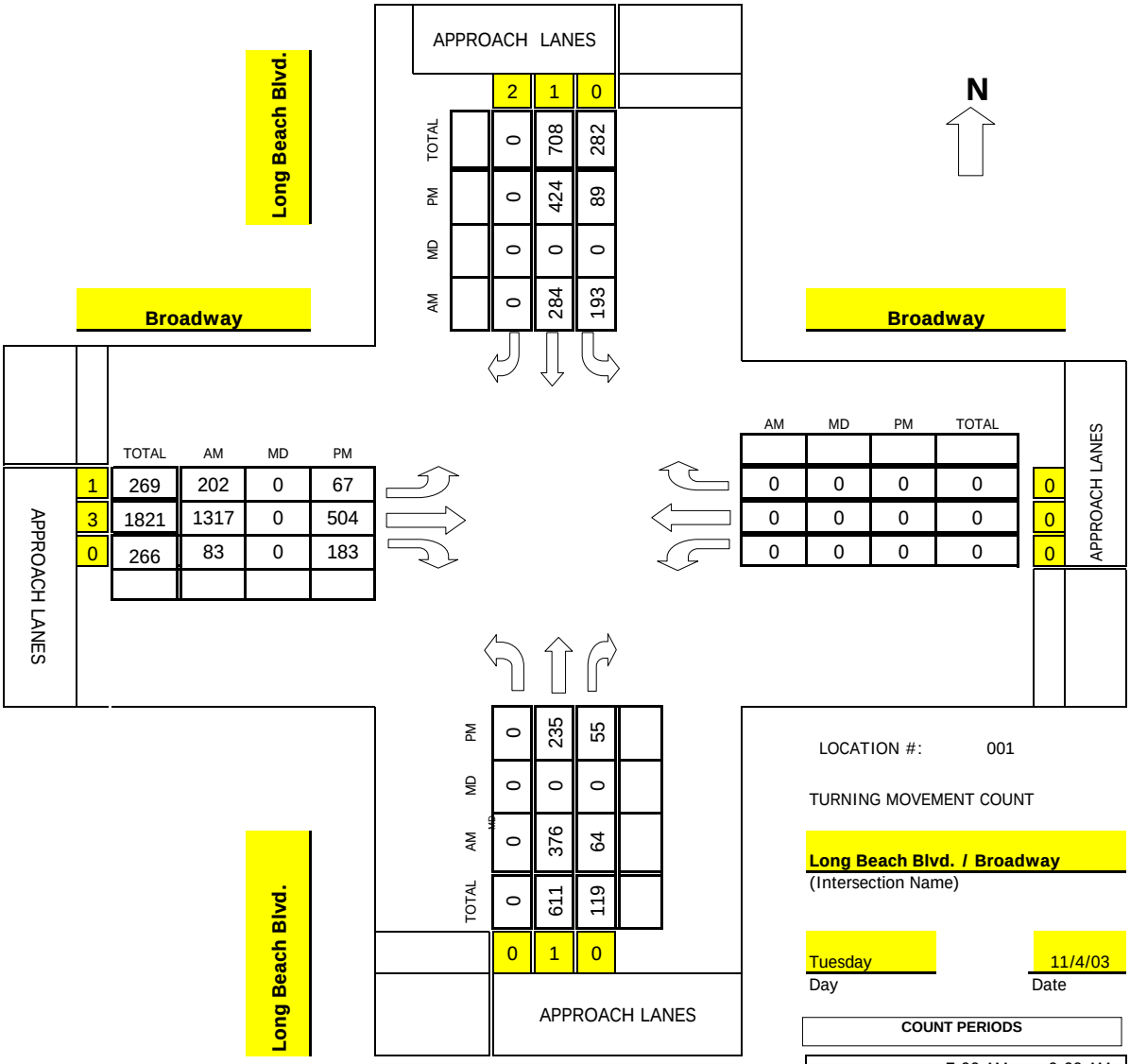
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	745 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	400 PM

TMC SUMMARY OF Long Beach Blvd. / Broadway

Project #: 03-1614-015



LOCATION #: 001

TURNING MOVEMENT COUNT

Long Beach Blvd. / Broadway
(Intersection Name)

Tuesday
Day

11/4/03
Date

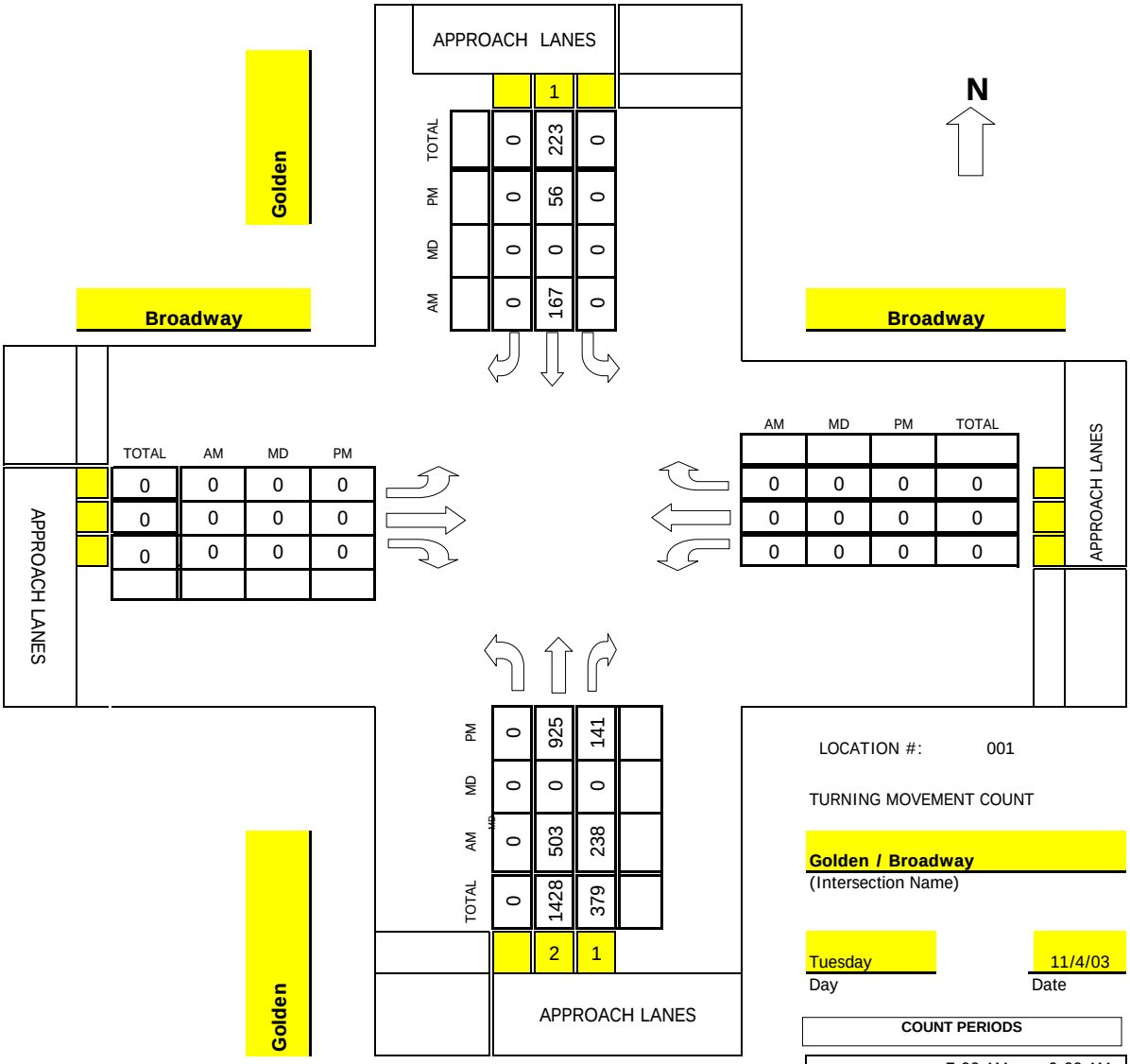
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	800 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	430 PM

TMC SUMMARY OF Golden / Broadway

Project #: 03-1614-007



LOCATION #: 001

TURNING MOVEMENT COUNT

Golden / Broadway
(Intersection Name)

Tuesday
Day

11/4/03
Date

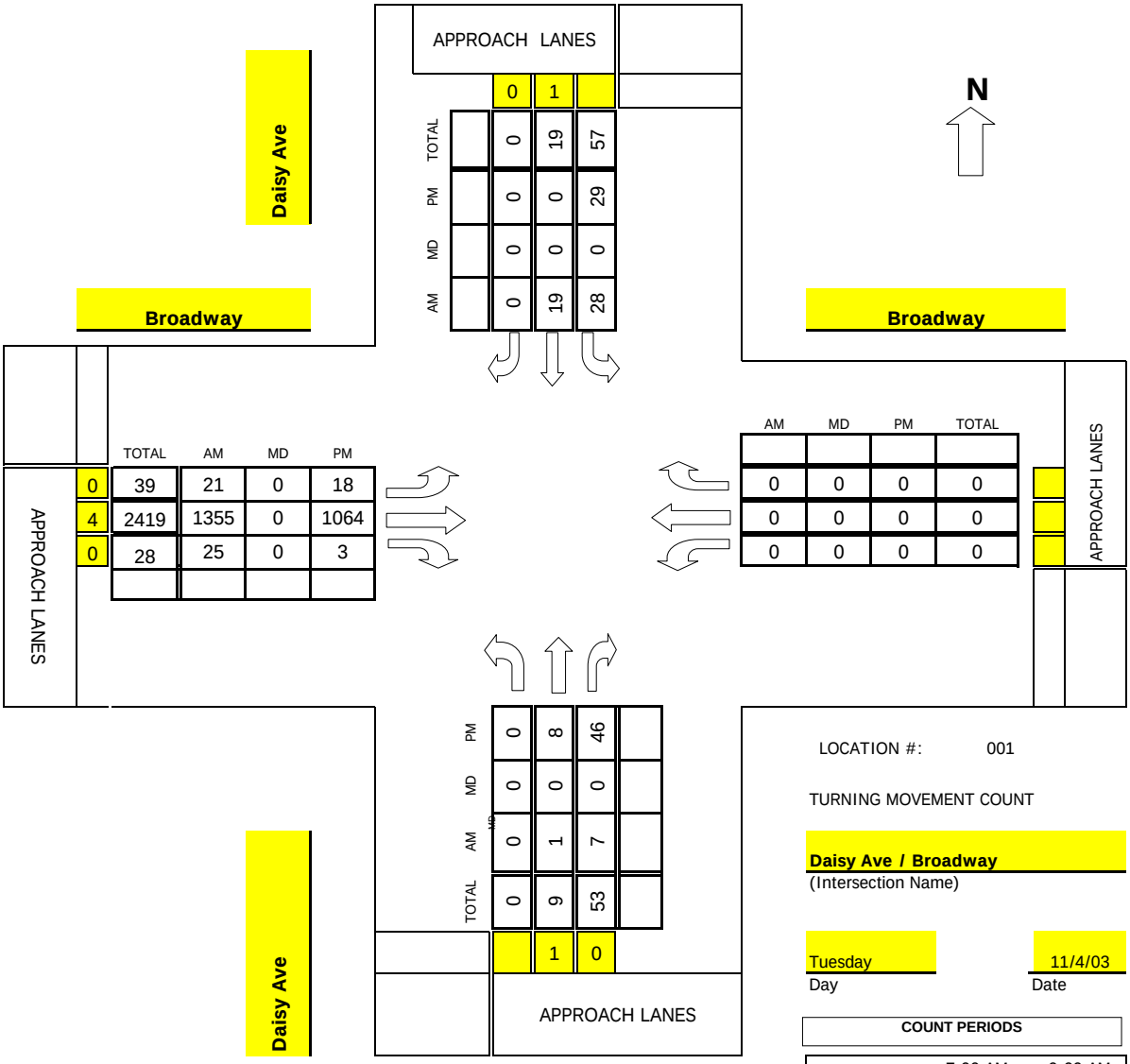
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	730 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	445 PM

TMC SUMMARY OF Daisy Ave / Broadway

Project #: 03-1614-009



TOTAL	0	19	57
PM	0	0	29
MD	0	0	0
AM	0	19	28

	TOTAL	AM	MD	PM
0	39	21	0	18
4	2419	1355	0	1064
0	28	25	0	3

AM	MD	PM	TOTAL
0	0	0	0
0	0	0	0
0	0	0	0

PM	0	8	46
MD	0	0	0
AM	0	1	7
TOTAL	0	9	53

	1	0

LOCATION #: 001

TURNING MOVEMENT COUNT

Daisy Ave / Broadway
(Intersection Name)

Tuesday — Day

11/4/03 — Date

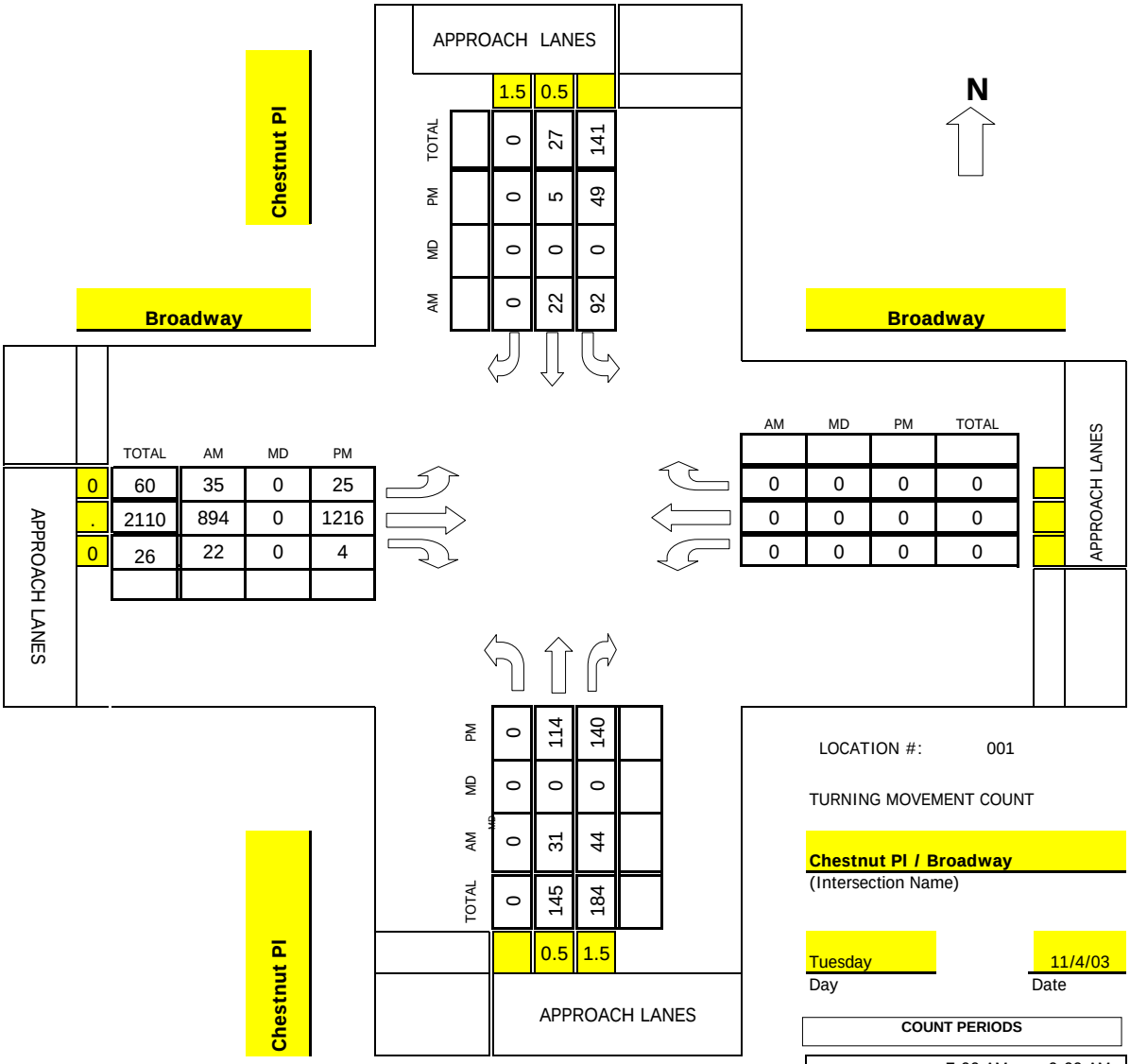
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	745 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	400 PM

TMC SUMMARY OF Chestnut Pl / Broadway

Project #: 03-1614-011



LOCATION #: 001

TURNING MOVEMENT COUNT

Chestnut Pl / Broadway
(Intersection Name)

Tuesday
Day

11/4/03
Date

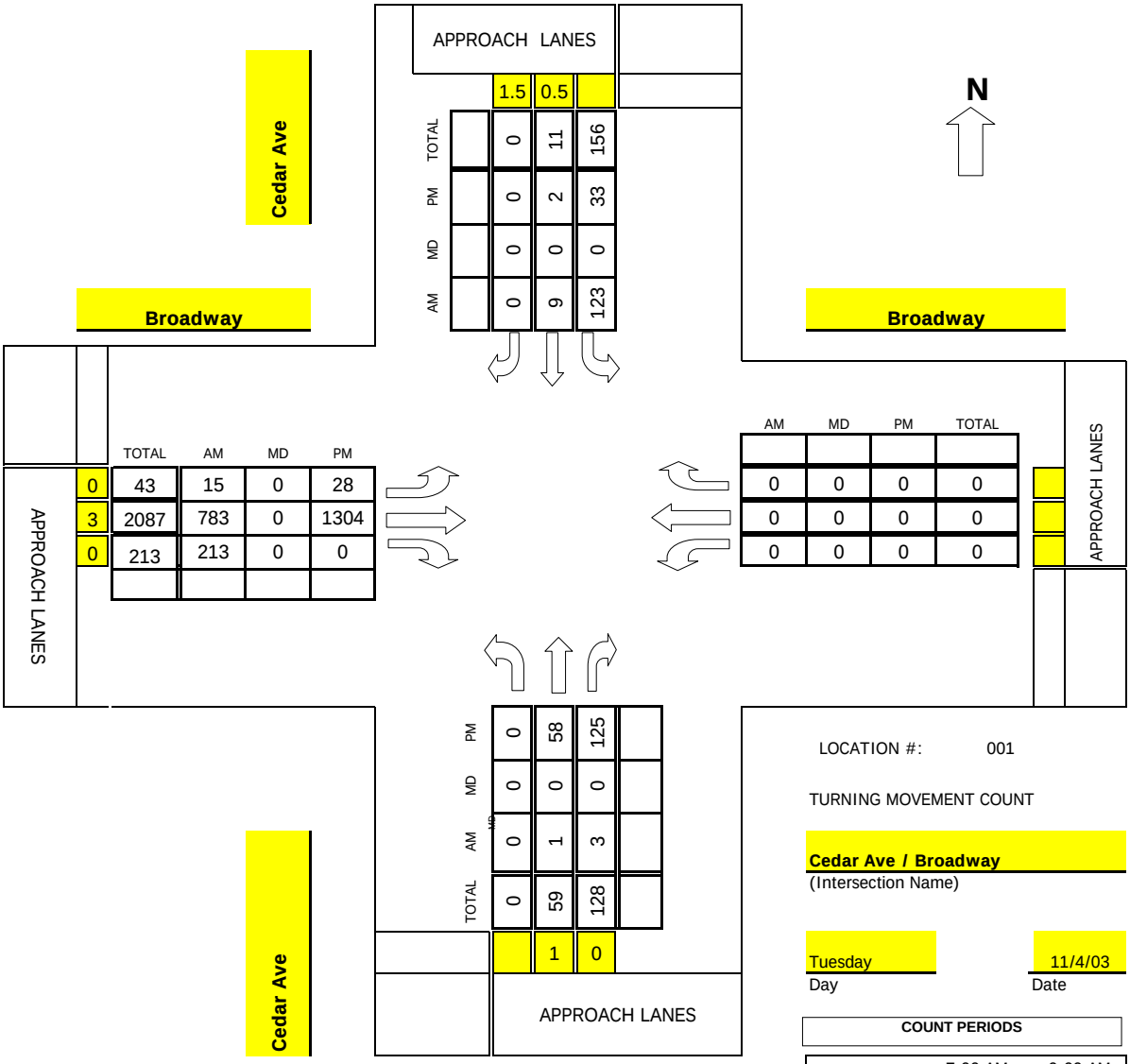
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	800 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	430 PM

TMC SUMMARY OF Cedar Ave / Broadway

Project #: 03-1614-012



LOCATION #: 001

TURNING MOVEMENT COUNT

Cedar Ave / Broadway
(Intersection Name)

Tuesday
Day

11/4/03
Date

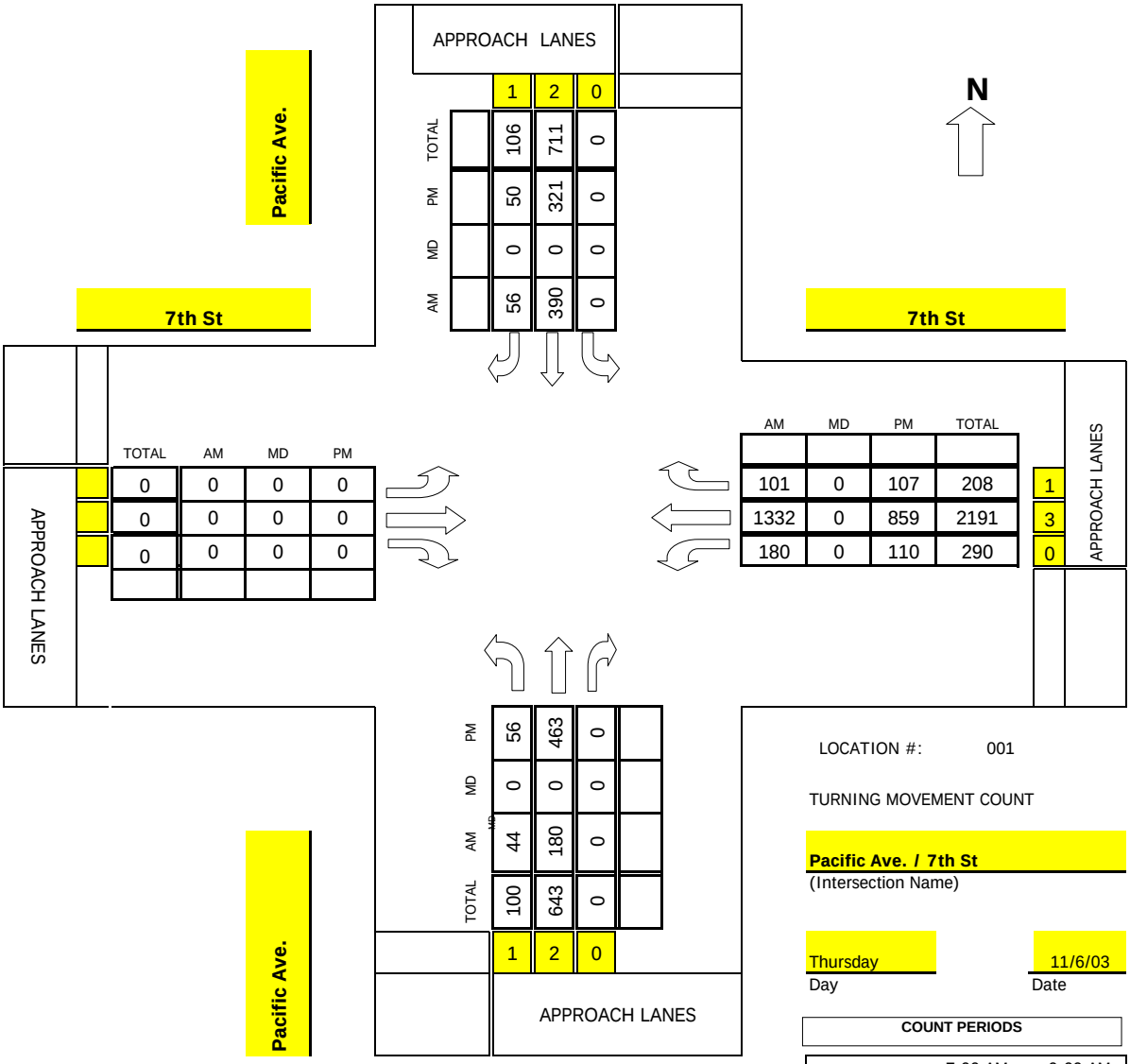
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	715 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	430 PM

TMC SUMMARY OF Pacific Ave. / 7th St

Project #: 03-1614-037



LOCATION #: 001

TURNING MOVEMENT COUNT

Pacific Ave. / 7th St
(Intersection Name)

Thursday
Day

11/6/03
Date

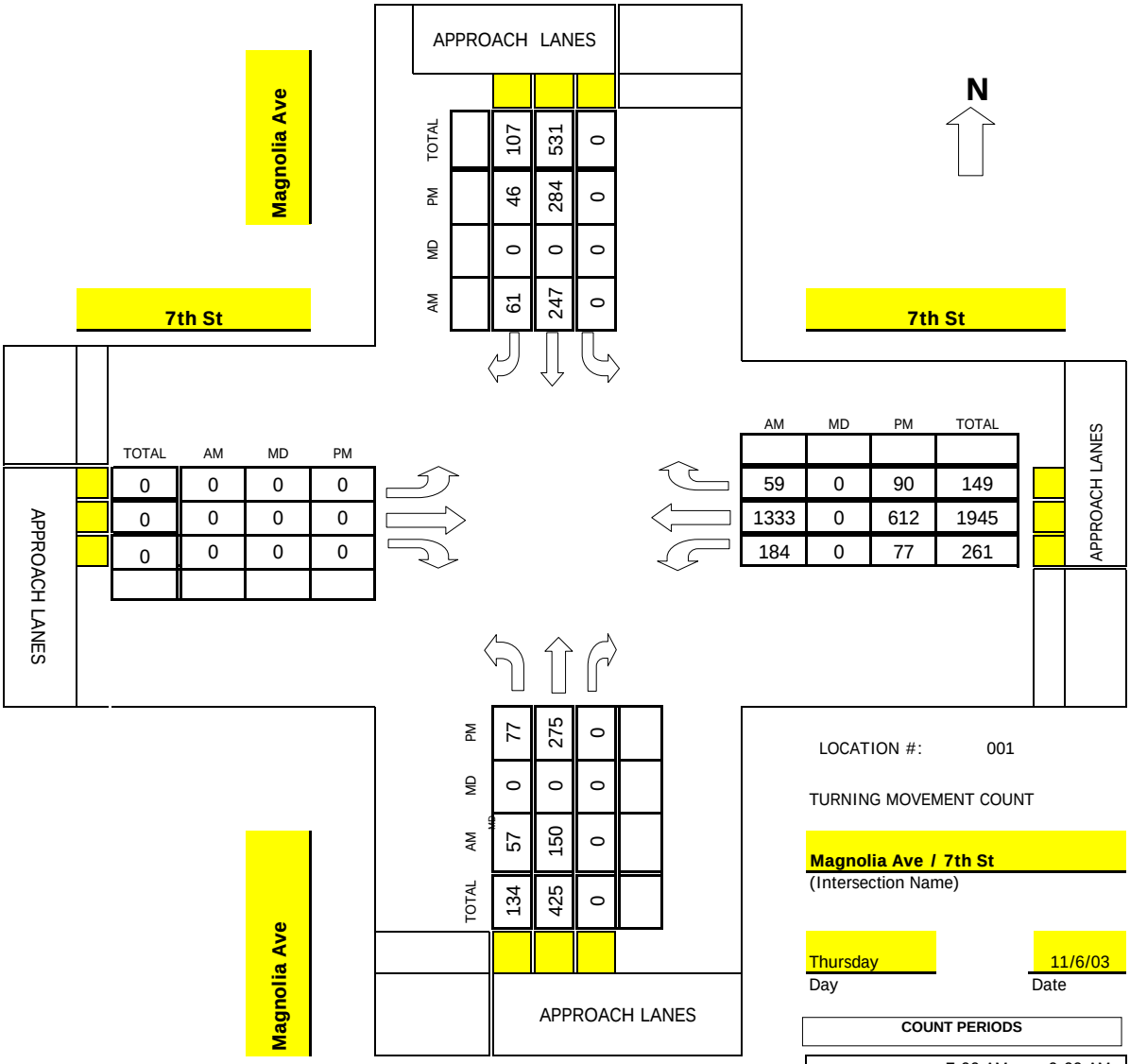
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	715 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	430 PM

TMC SUMMARY OF Magnolia Ave / 7th St

Project #: 03-1614-036



LOCATION #: 001

TURNING MOVEMENT COUNT

Magnolia Ave / 7th St
(Intersection Name)

Thursday
Day

11/6/03
Date

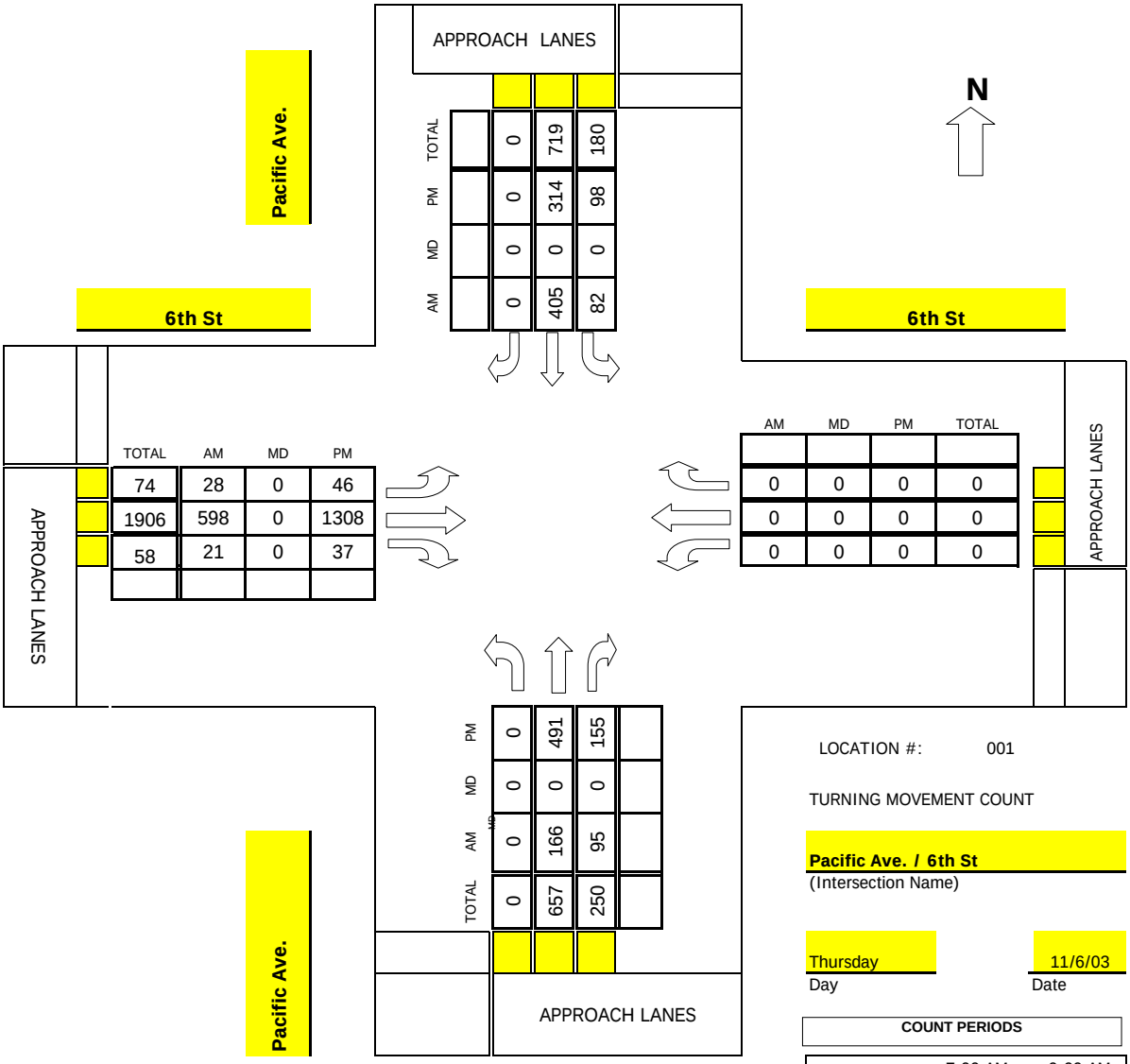
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	700 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	500 PM

TMC SUMMARY OF Pacific Ave. / 6th St

Project #: 03-1614-035



	TOTAL	PM	MD	AM
	0	0	0	0
	719	314	0	405
	180	98	0	82

TOTAL	AM	MD	PM
74	28	0	46
1906	598	0	1308
58	21	0	37

AM	MD	PM	TOTAL
0	0	0	0
0	0	0	0
0	0	0	0

	PM	MD	AM	TOTAL
	0	0	0	0
	491	0	166	657
	155	0	95	250

LOCATION #: 001

TURNING MOVEMENT COUNT

Pacific Ave. / 6th St
(Intersection Name)

Thursday
Day

11/6/03
Date

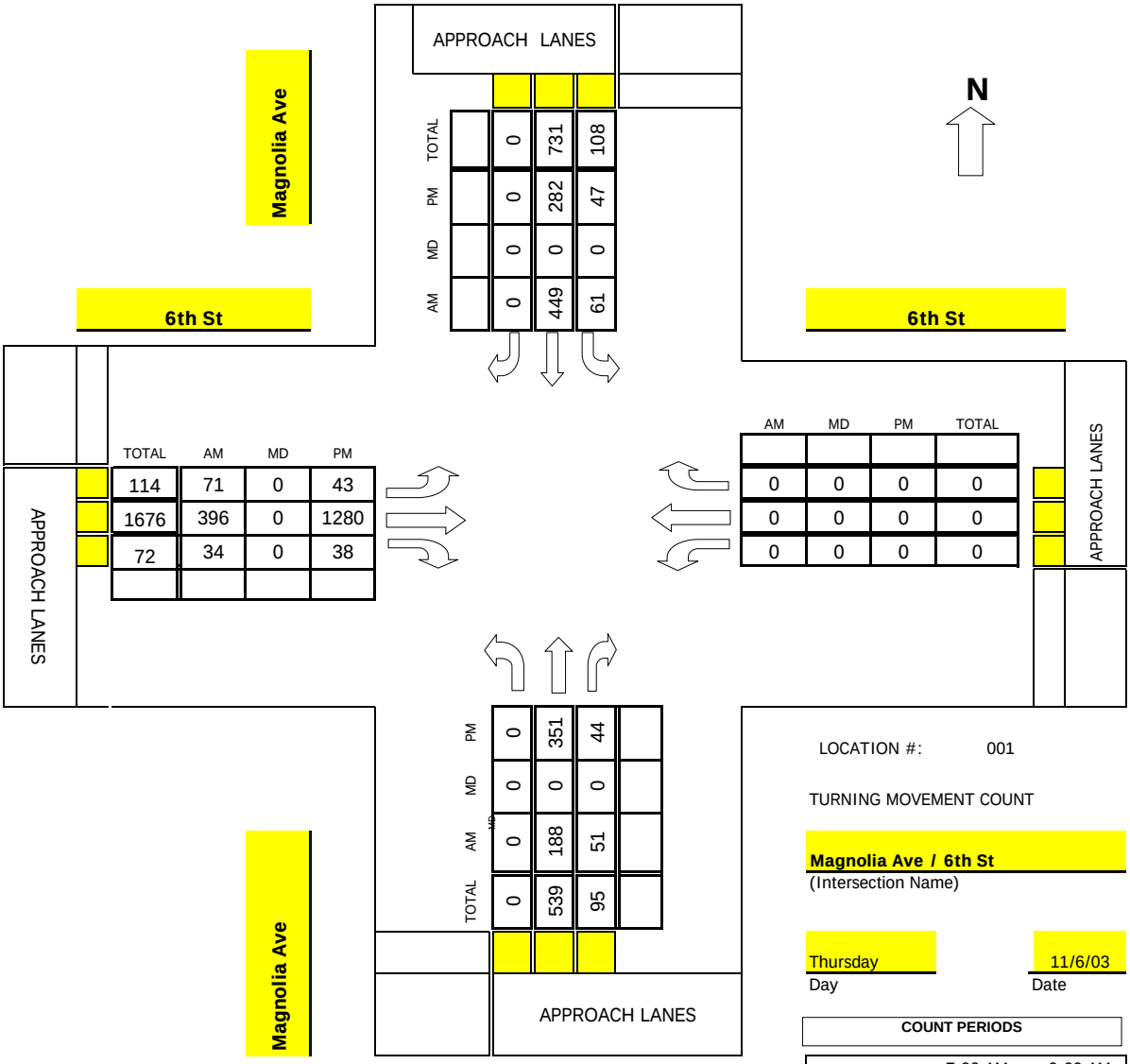
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	715 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	430 PM

TMC SUMMARY OF Magnolia Ave / 6th St

Project #: 03-1614-034



	AM	MD	PM	TOTAL
	0	0	0	0
	449	0	282	731
	61	0	47	108

TOTAL	AM	MD	PM
114	71	0	43
1676	396	0	1280
72	34	0	38

AM	MD	PM	TOTAL
0	0	0	0
0	0	0	0
0	0	0	0

	AM	MD	PM	TOTAL
	188	0	351	539
	51	0	44	95
	0	0	0	0

LOCATION #: 001

TURNING MOVEMENT COUNT

Magnolia Ave / 6th St
(Intersection Name)

Thursday
Day

11/6/03
Date

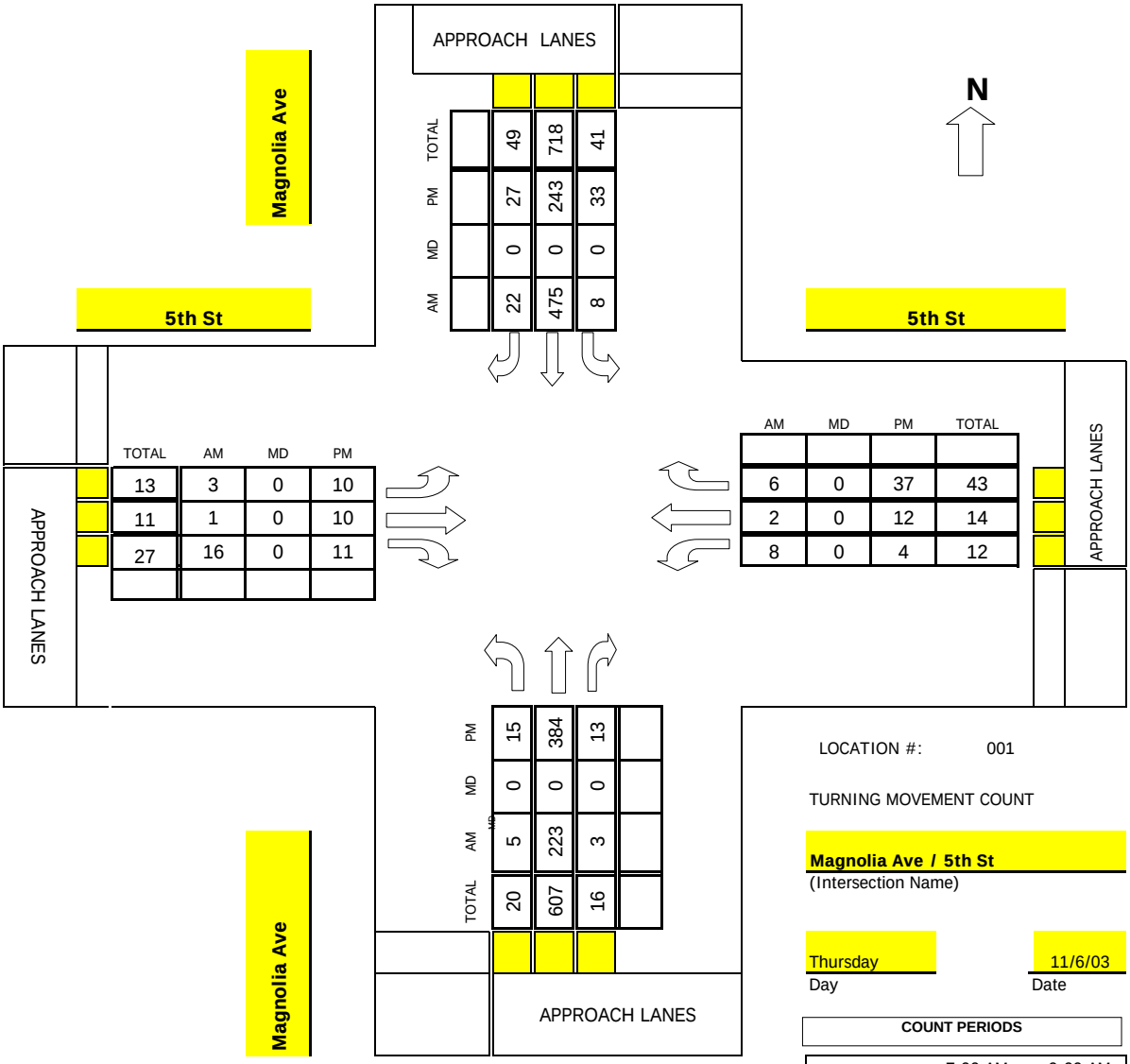
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	730 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	430 PM

TMC SUMMARY OF Magnolia Ave / 5th St

Project #: 03-1614-033



	TOTAL	PM	MD	AM
	49	27	0	22
	718	243	0	475
	41	33	0	8

TOTAL	AM	MD	PM
13	3	0	10
11	1	0	10
27	16	0	11

AM	MD	PM	TOTAL
6	0	37	43
2	0	12	14
8	0	4	12

	PM	MD	AM	TOTAL
	15	0	5	20
	384	0	223	607
	13	0	3	16

LOCATION #: 001

TURNING MOVEMENT COUNT

Magnolia Ave / 5th St
(Intersection Name)

Thursday
Day

11/6/03
Date

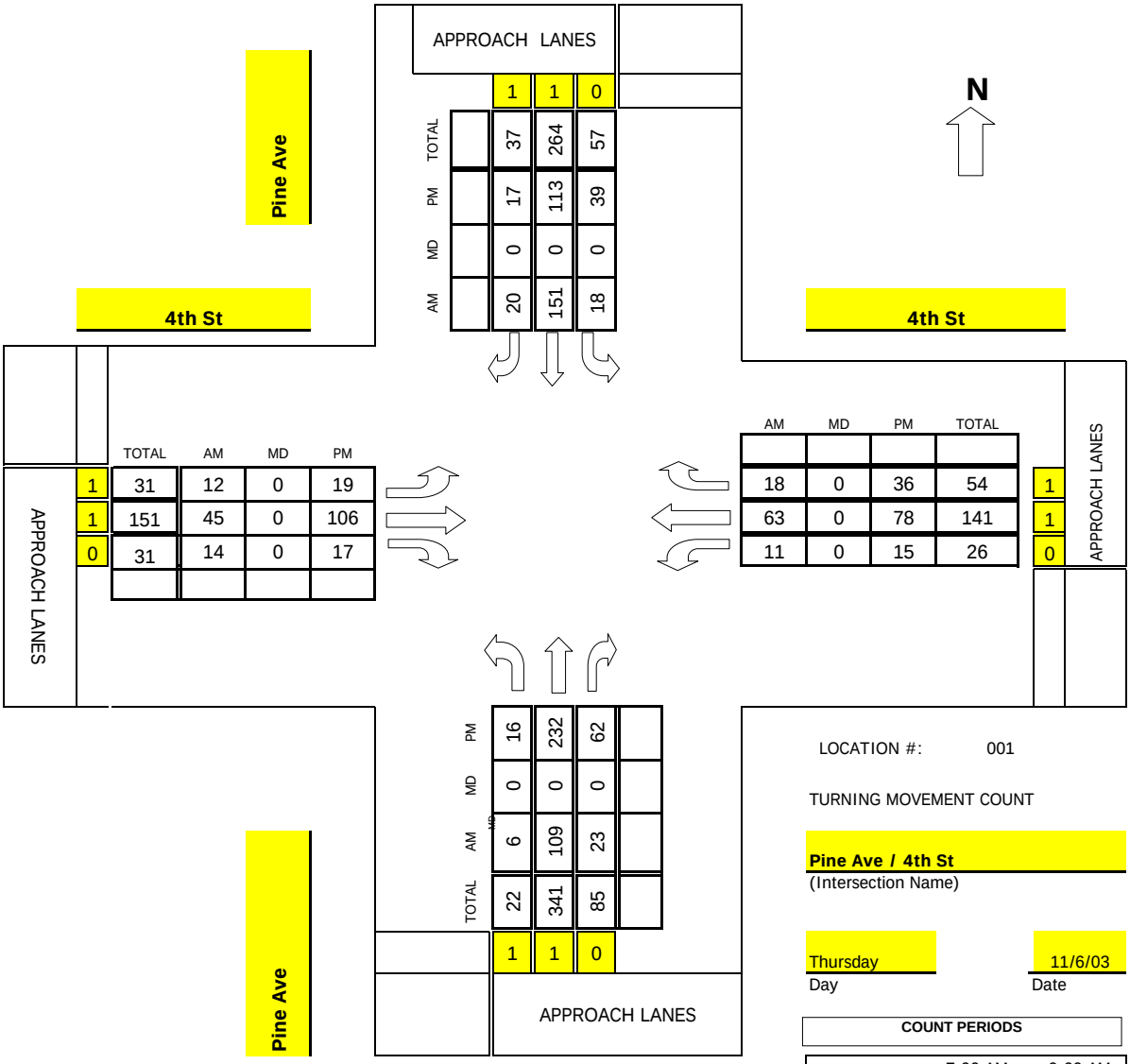
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	745 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	430 PM

TMC SUMMARY OF Pine Ave / 4th St

Project #: 03-1614-032



LOCATION #: 001

TURNING MOVEMENT COUNT

Pine Ave / 4th St
(Intersection Name)

Thursday
Day

11/6/03
Date

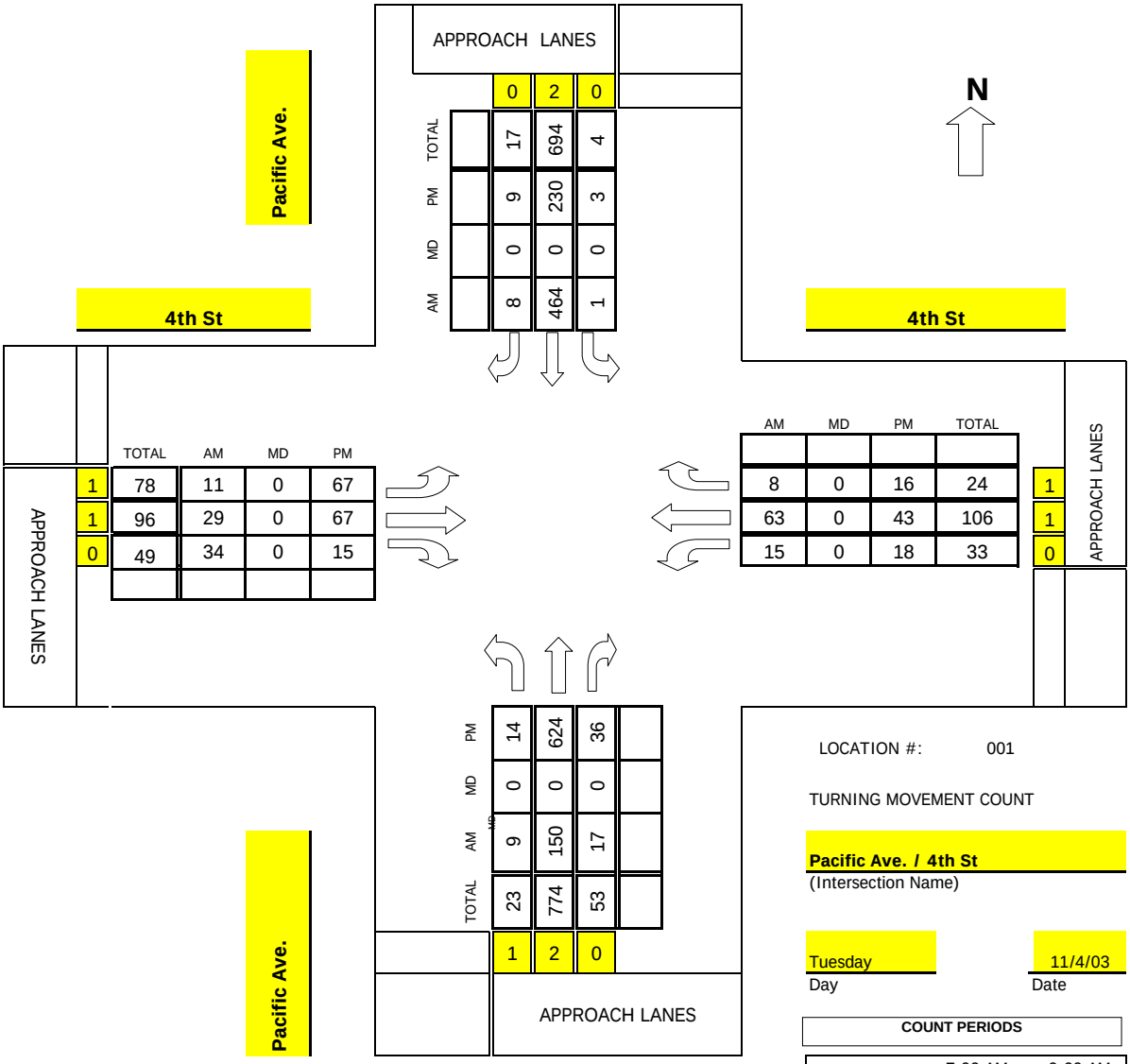
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	800 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	500 PM

TMC SUMMARY OF Pacific Ave. / 4th St

Project #: 03-1614-031



TOTAL	17	694	4
PM	9	230	3
MD	0	0	0
AM	8	464	1
	0	2	0

	TOTAL	AM	MD	PM
1	78	11	0	67
1	96	29	0	67
0	49	34	0	15

AM	MD	PM	TOTAL	
8	0	16	24	1
63	0	43	106	1
15	0	18	33	0

PM	14	624	36
MD	0	0	0
AM	9	150	17
TOTAL	23	774	53
	1	2	0

LOCATION #: 001

TURNING MOVEMENT COUNT

Pacific Ave. / 4th St
(Intersection Name)

Tuesday — Day

11/4/03 — Date

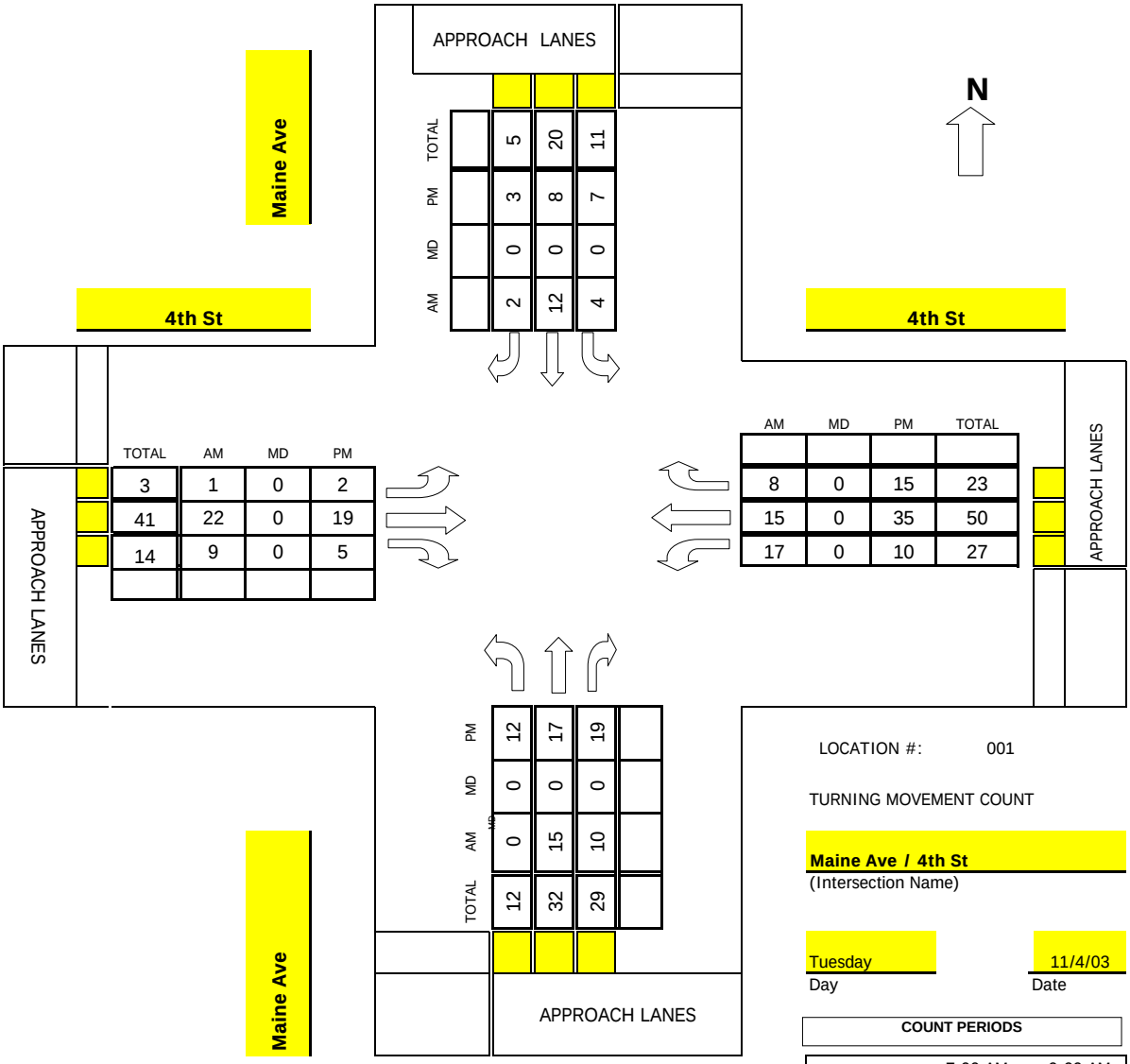
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	800 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	500 PM

TMC SUMMARY OF Maine Ave / 4th St

Project #: 03-1614-026



LOCATION #: 001

TURNING MOVEMENT COUNT

Maine Ave / 4th St
(Intersection Name)

Tuesday
Day

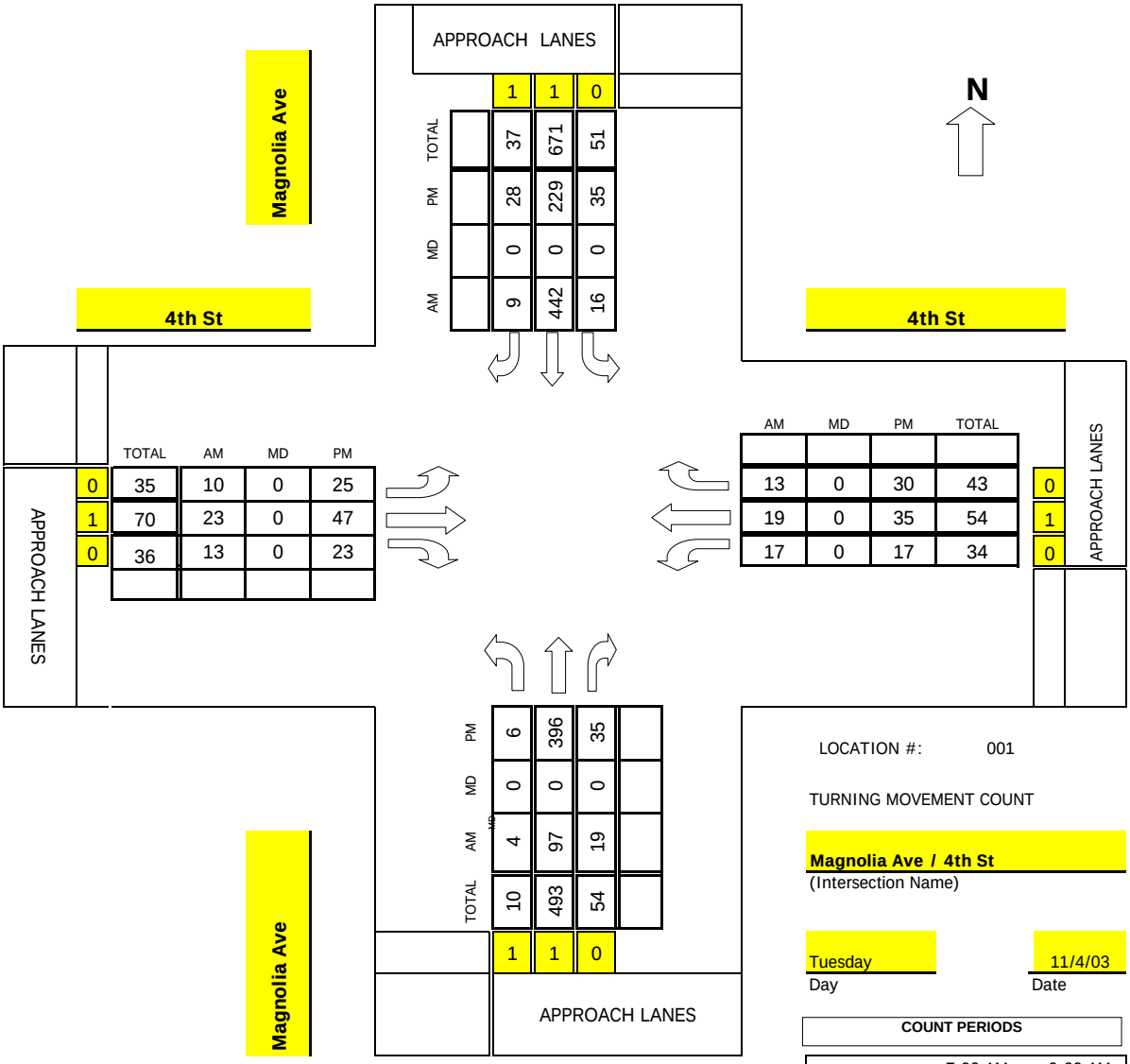
11/4/03
Date

COUNT PERIODS			
am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	715 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	415 PM

TMC SUMMARY OF Magnolia Ave / 4th St

Project #: 03-1614-028



	1	1	0
TOTAL	37	671	51
PM	28	229	35
MD	0	0	0
AM	9	442	16

	TOTAL	AM	MD	PM
0	35	10	0	25
1	70	23	0	47
0	36	13	0	23

AM	MD	PM	TOTAL	
13	0	30	43	0
19	0	35	54	1
17	0	17	34	0

PM	6	396	35
MD	0	0	0
AM	4	97	19
TOTAL	10	493	54
	1	1	0

LOCATION #: 001

TURNING MOVEMENT COUNT

Magnolia Ave / 4th St
(Intersection Name)

Tuesday — Day

11/4/03 — Date

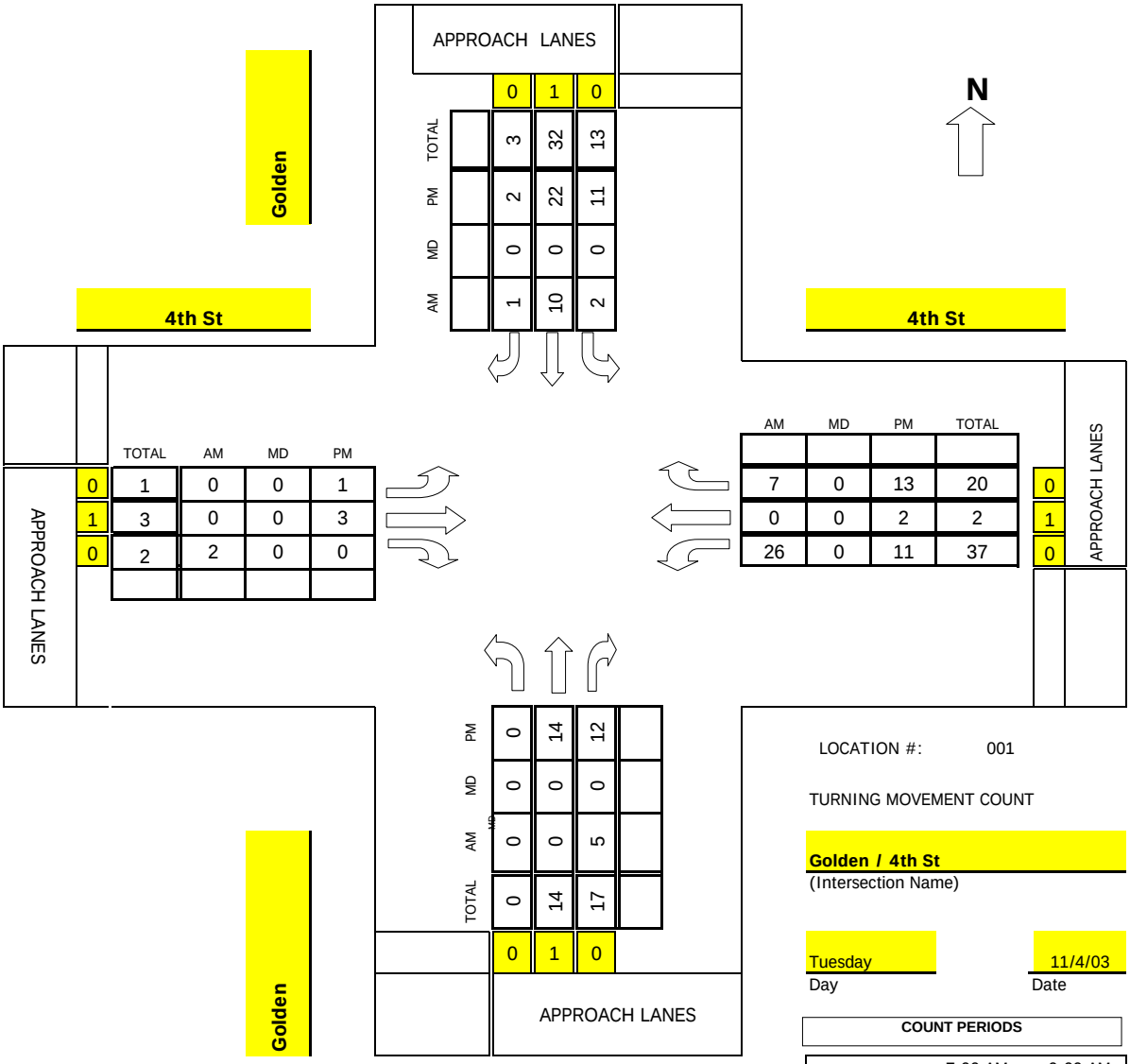
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	745 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	415 PM

TMC SUMMARY OF Golden / 4th St

Project #: 03-1614-025



LOCATION #: 001

TURNING MOVEMENT COUNT

Golden / 4th St
(Intersection Name)

Tuesday
Day

11/4/03
Date

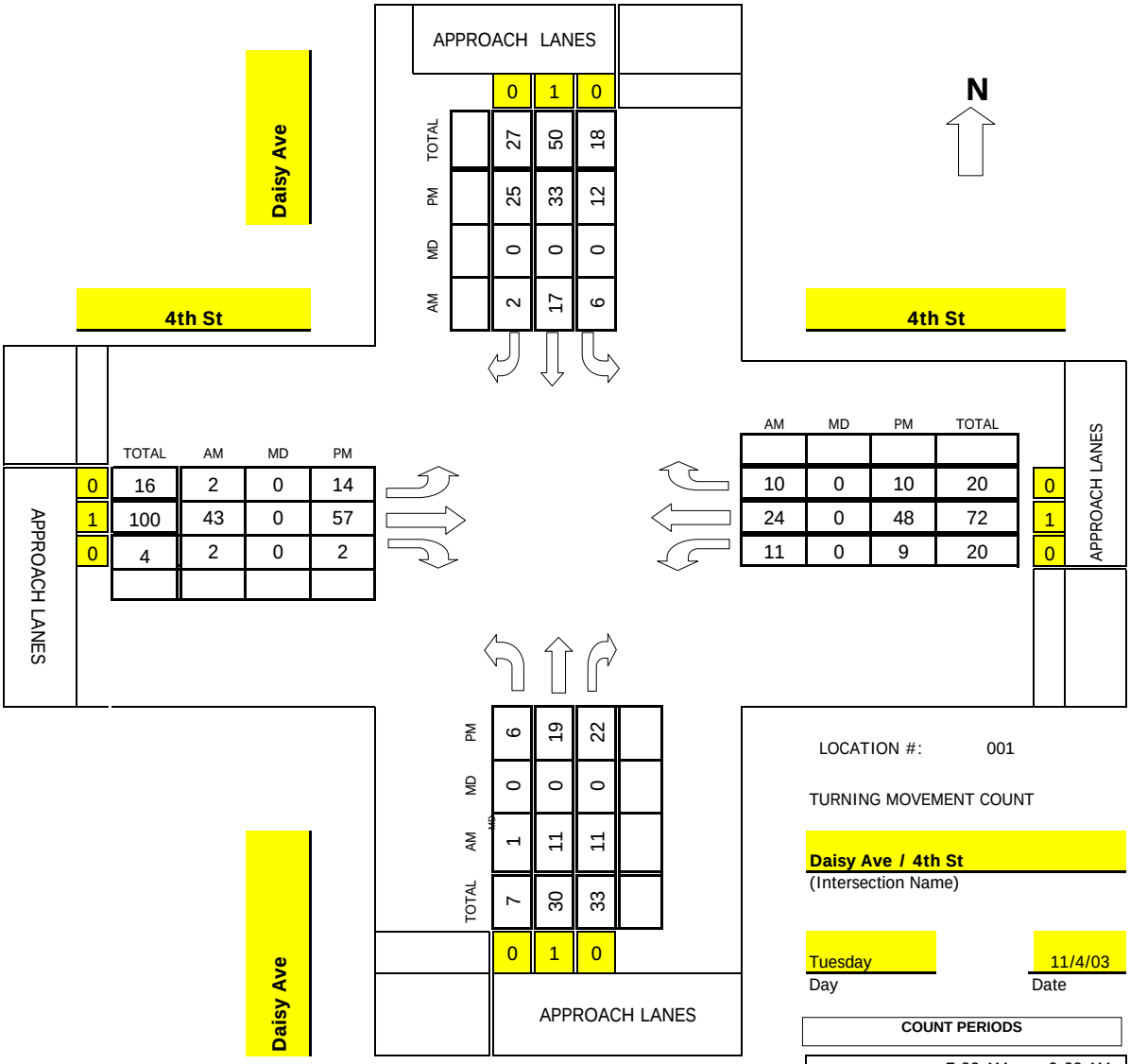
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	730 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	500 PM

TMC SUMMARY OF Daisy Ave / 4th St

Project #: 03-1614-027



LOCATION #: 001

TURNING MOVEMENT COUNT

Daisy Ave / 4th St
(Intersection Name)

Tuesday
Day

11/4/03
Date

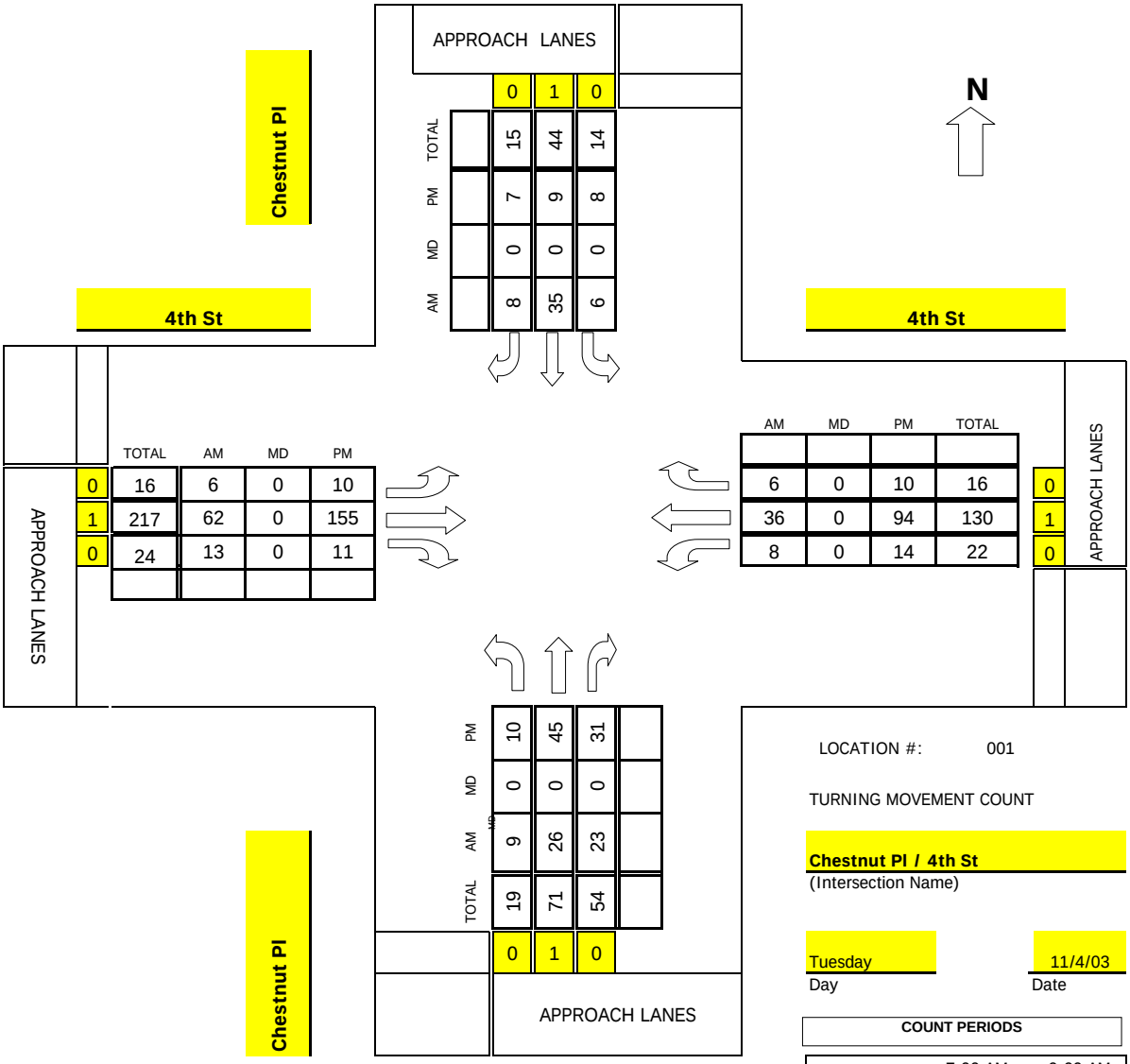
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	700 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	500 PM

TMC SUMMARY OF Chestnut Pl / 4th St

Project #: 03-1614-029



	0	1	0
TOTAL	15	44	14
PM	7	9	8
MD	0	0	0
AM	8	35	6

	TOTAL	AM	MD	PM
0	16	6	0	10
1	217	62	0	155
0	24	13	0	11

AM	MD	PM	TOTAL	
6	0	10	16	0
36	0	94	130	1
8	0	14	22	0

PM	10	45	31
MD	0	0	0
AM	9	26	23
TOTAL	19	71	54
	0	1	0

LOCATION #: 001

TURNING MOVEMENT COUNT

Chestnut Pl / 4th St
(Intersection Name)

Tuesday — Day

11/4/03 — Date

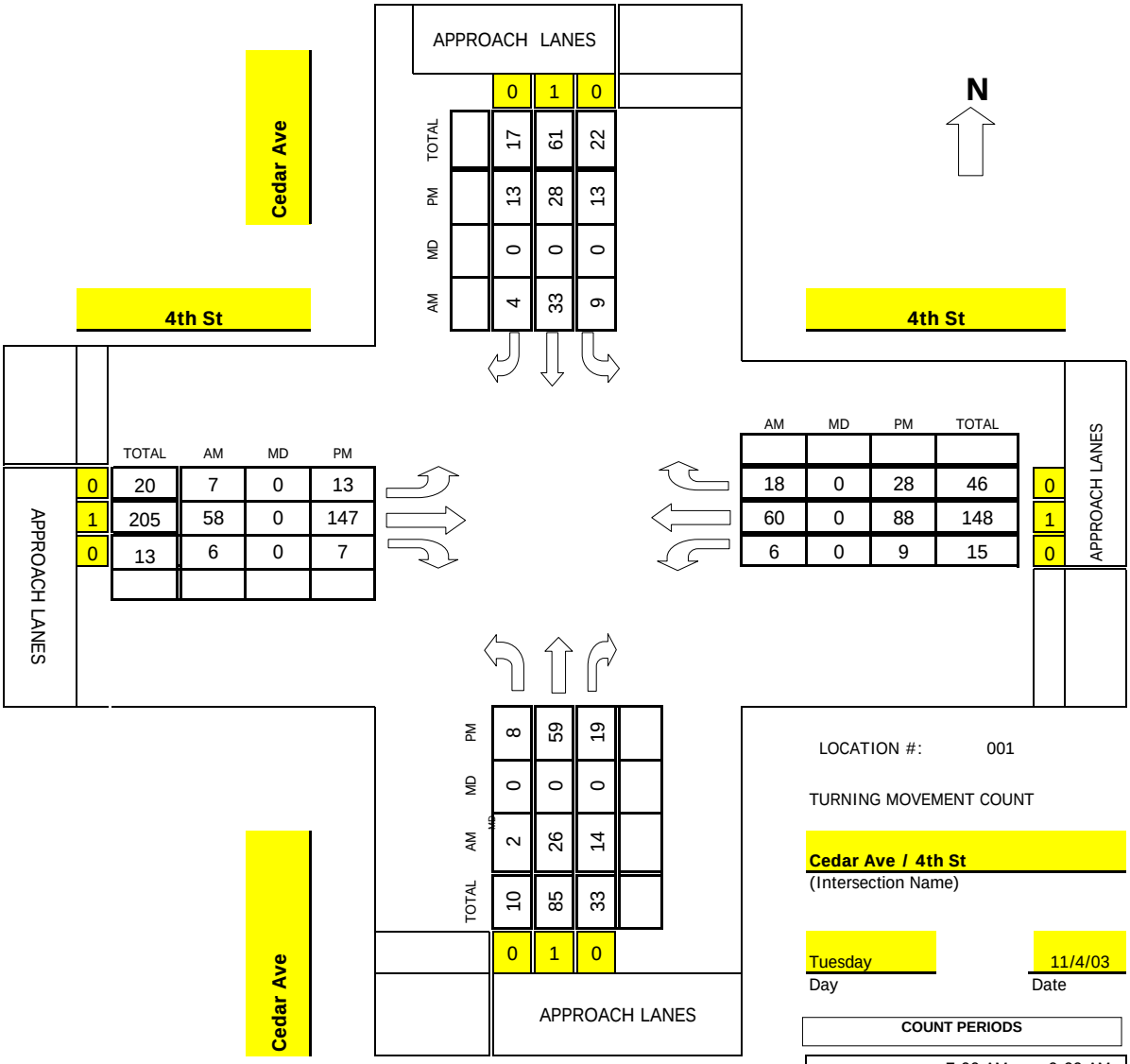
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	800 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	415 PM

TMC SUMMARY OF Cedar Ave / 4th St

Project #: 03-1614-030



LOCATION #: 001

TURNING MOVEMENT COUNT

Cedar Ave / 4th St
(Intersection Name)

Tuesday
Day

11/4/03
Date

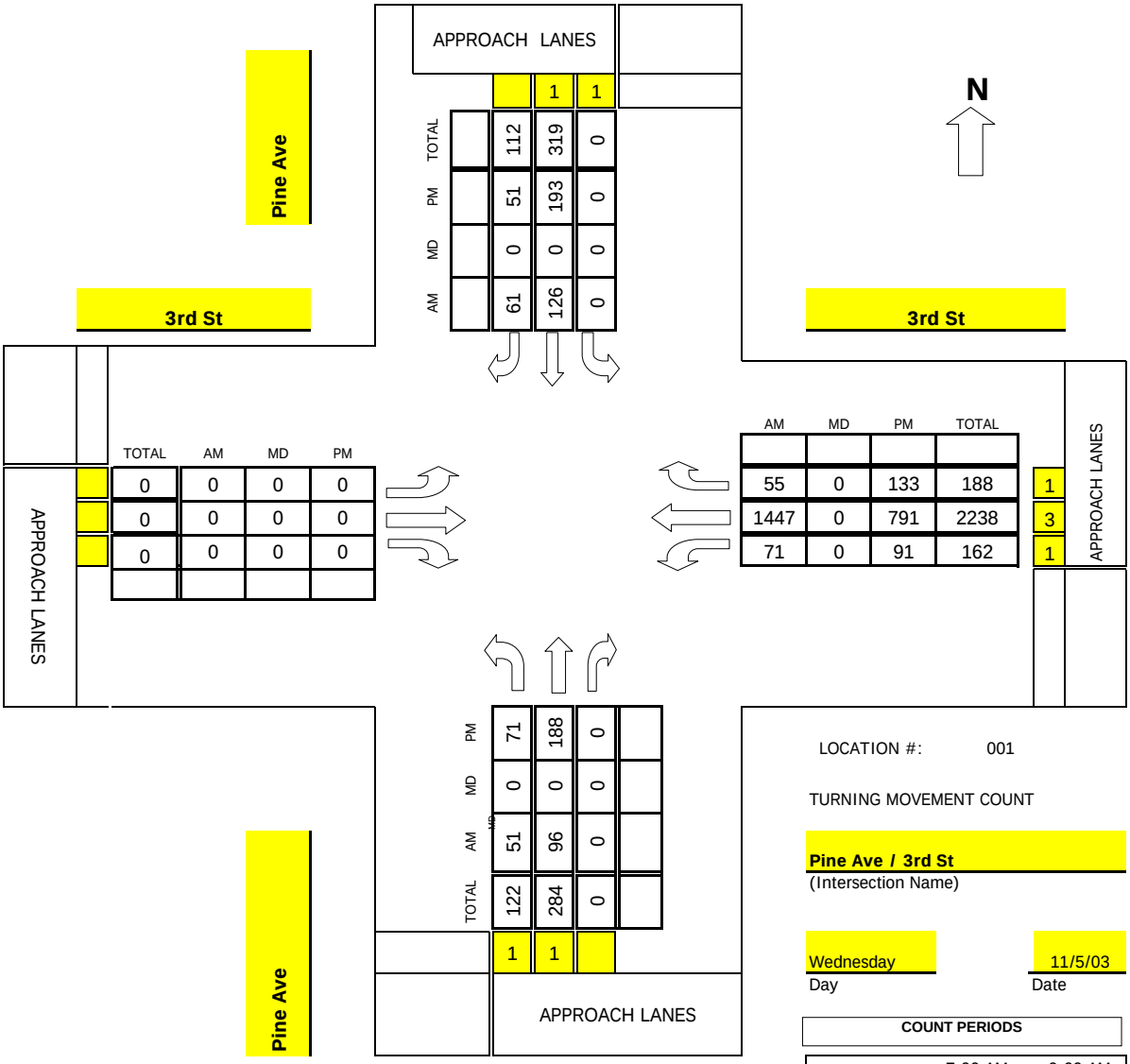
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	715 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	430 PM

TMC SUMMARY OF Pine Ave / 3rd St

Project #: 03-1614-023



LOCATION #: 001

TURNING MOVEMENT COUNT

Pine Ave / 3rd St
(Intersection Name)

Wednesday — Day

11/5/03 — Date

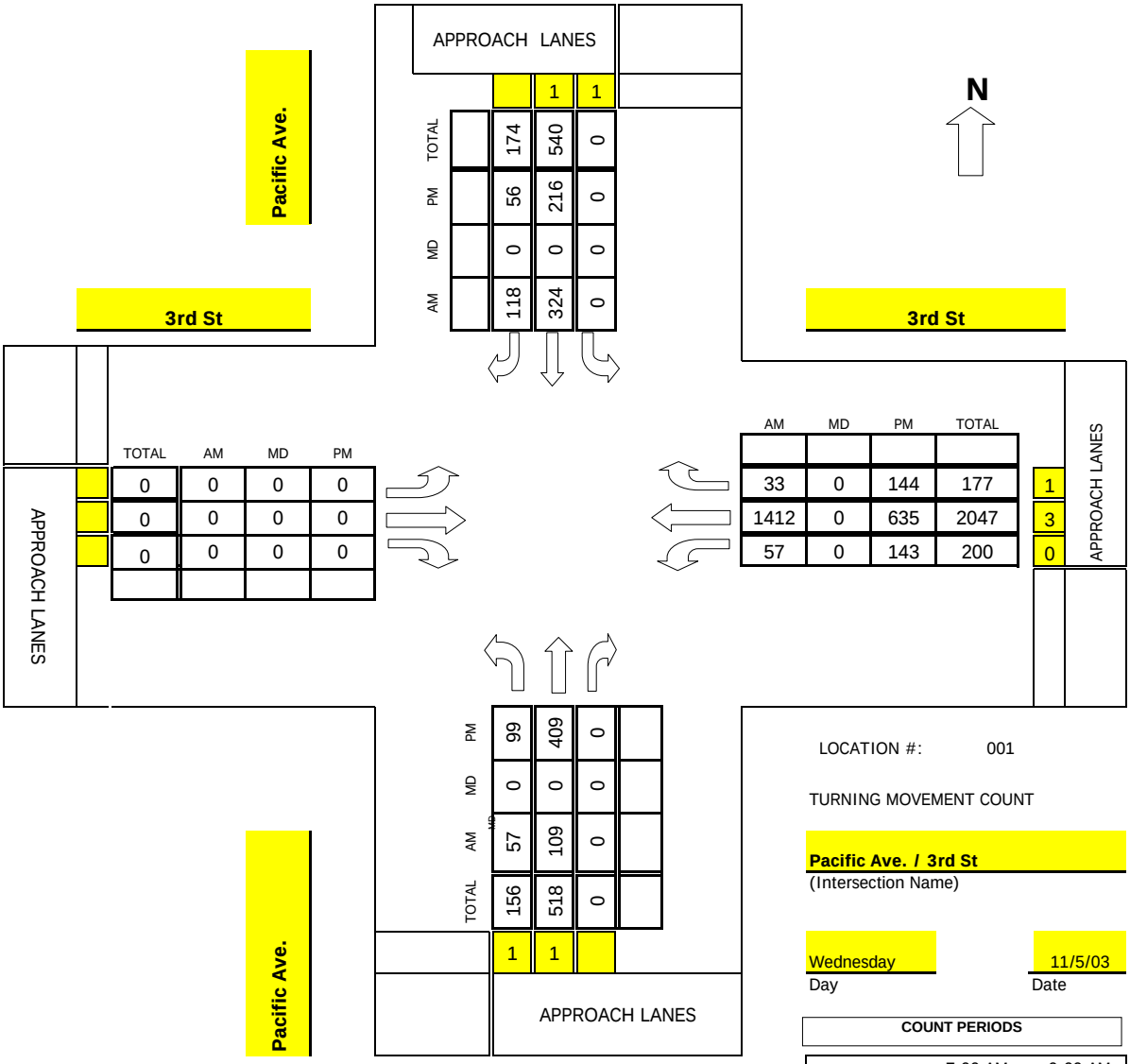
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	730 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	430 PM

TMC SUMMARY OF Pacific Ave. / 3rd St

Project #: 03-1614-022



TOTAL	174	540	0
PM	56	216	0
MD	0	0	0
AM	118	324	0
	1	1	

TOTAL	AM	MD	PM
0	0	0	0
0	0	0	0
0	0	0	0

AM	MD	PM	TOTAL	
33	0	144	177	1
1412	0	635	2047	3
57	0	143	200	0

PM	99	409	0
MD	0	0	0
AM	57	109	0
TOTAL	156	518	0
	1	1	

LOCATION #: 001

TURNING MOVEMENT COUNT

Pacific Ave. / 3rd St
(Intersection Name)

Wednesday
Day

11/5/03
Date

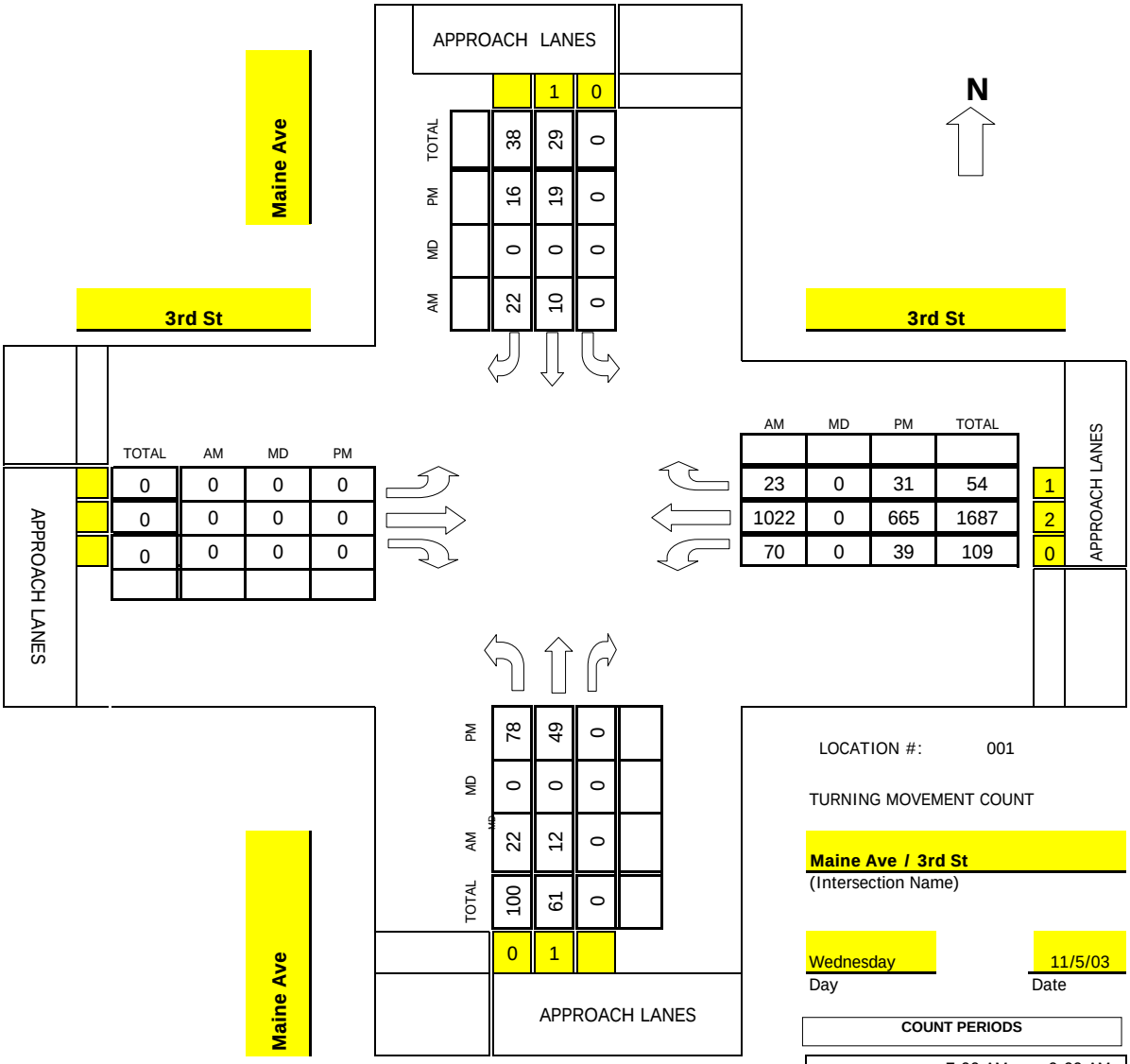
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	730 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	430 PM

TMC SUMMARY OF Maine Ave / 3rd St

Project #: 03-1614-017



		1	0
TOTAL	38	29	0
PM	16	19	0
MD	0	0	0
AM	22	10	0

TOTAL	AM	MD	PM
0	0	0	0
0	0	0	0
0	0	0	0

AM	MD	PM	TOTAL	
23	0	31	54	1
1022	0	665	1687	2
70	0	39	109	0

PM	78	49	0
MD	0	0	0
AM	22	12	0
TOTAL	100	61	0
	0	1	

LOCATION #: 001

TURNING MOVEMENT COUNT

Maine Ave / 3rd St
(Intersection Name)

Wednesday
Day

11/5/03
Date

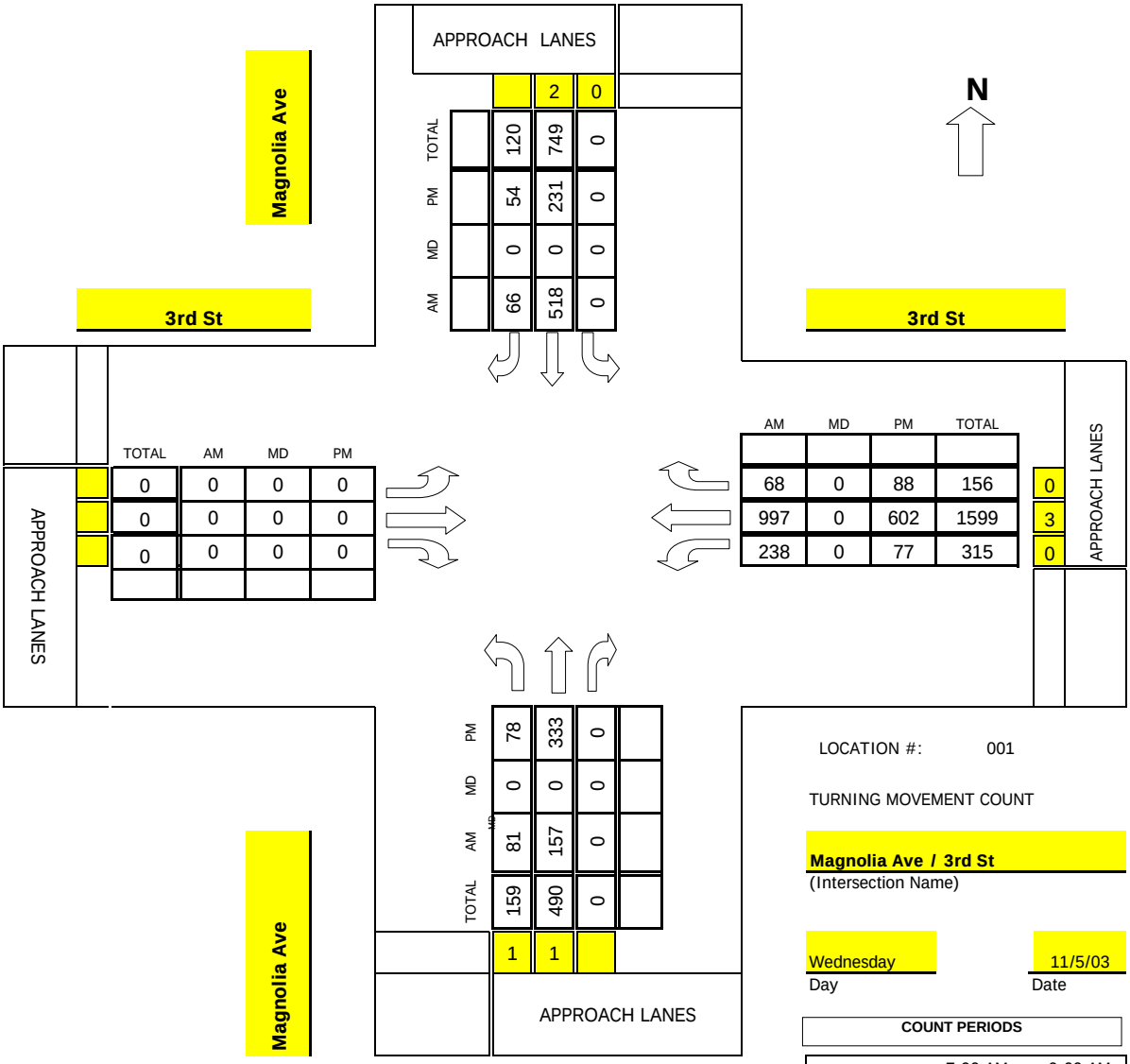
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	715 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	415 PM

TMC SUMMARY OF Magnolia Ave / 3rd St

Project #: 03-1614-019



LOCATION #: 001

TURNING MOVEMENT COUNT

Magnolia Ave / 3rd St
(Intersection Name)

Wednesday — Day

11/5/03 — Date

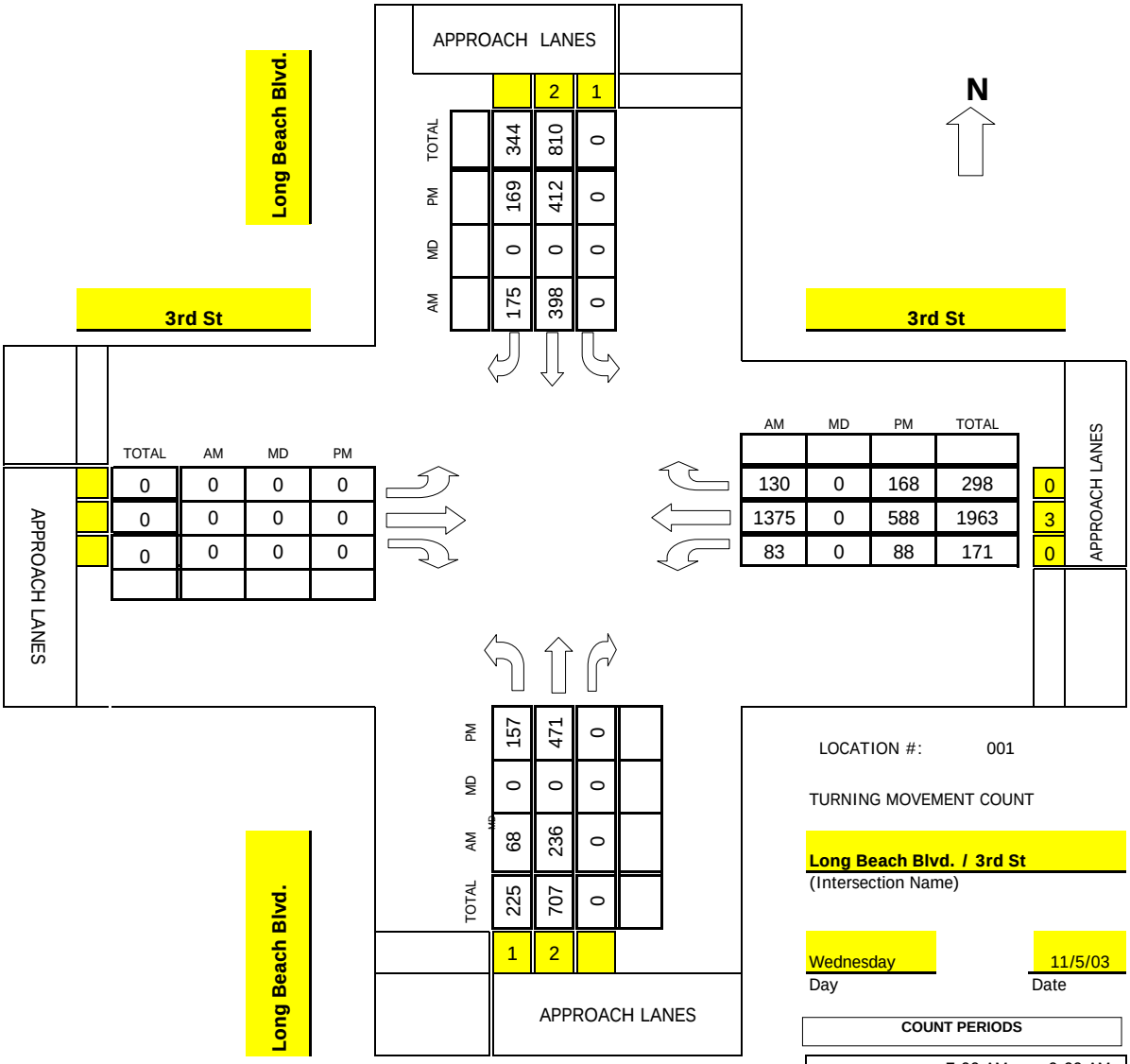
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	730 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	415 PM

TMC SUMMARY OF Long Beach Blvd. / 3rd St

Project #: 03-1614-024



	2	1
TOTAL	344	810	0
PM	169	412	0
MD	0	0	0
AM	175	398	0

	TOTAL	AM	MD	PM
	0	0	0	0
	0	0	0	0
	0	0	0	0

AM	MD	PM	TOTAL	
130	0	168	298	0
1375	0	588	1963	3
83	0	88	171	0

	1	2	
PM	157	471	0	
MD	0	0	0	
AM	68	236	0	
TOTAL	225	707	0	

LOCATION #: 001

TURNING MOVEMENT COUNT

Long Beach Blvd. / 3rd St
(Intersection Name)

Wednesday
Day

11/5/03
Date

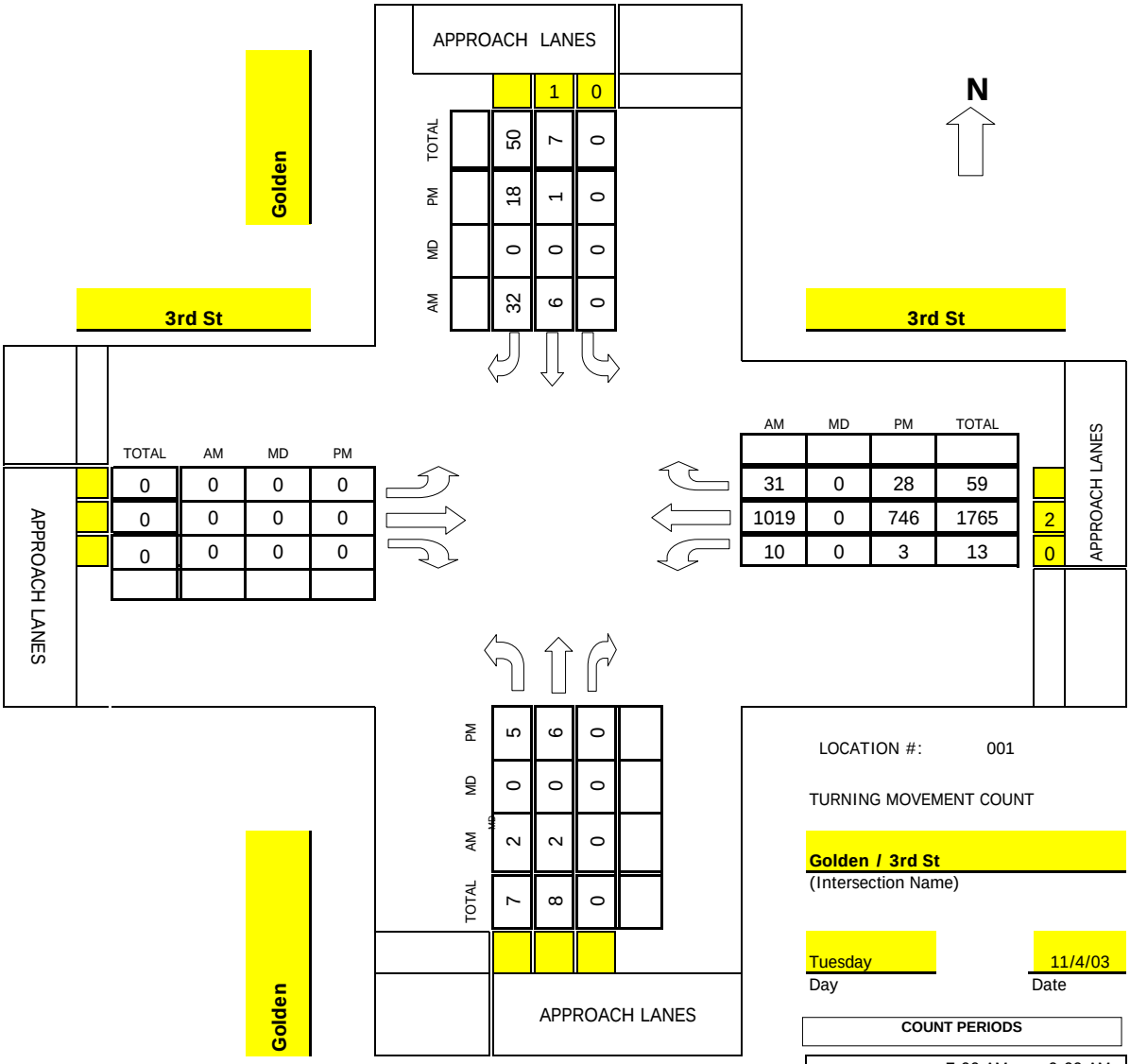
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	715 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	400 PM

TMC SUMMARY OF Golden / 3rd St

Project #: 03-1614-016



LOCATION #: 001

TURNING MOVEMENT COUNT

Golden / 3rd St
(Intersection Name)

Tuesday
Day

11/4/03
Date

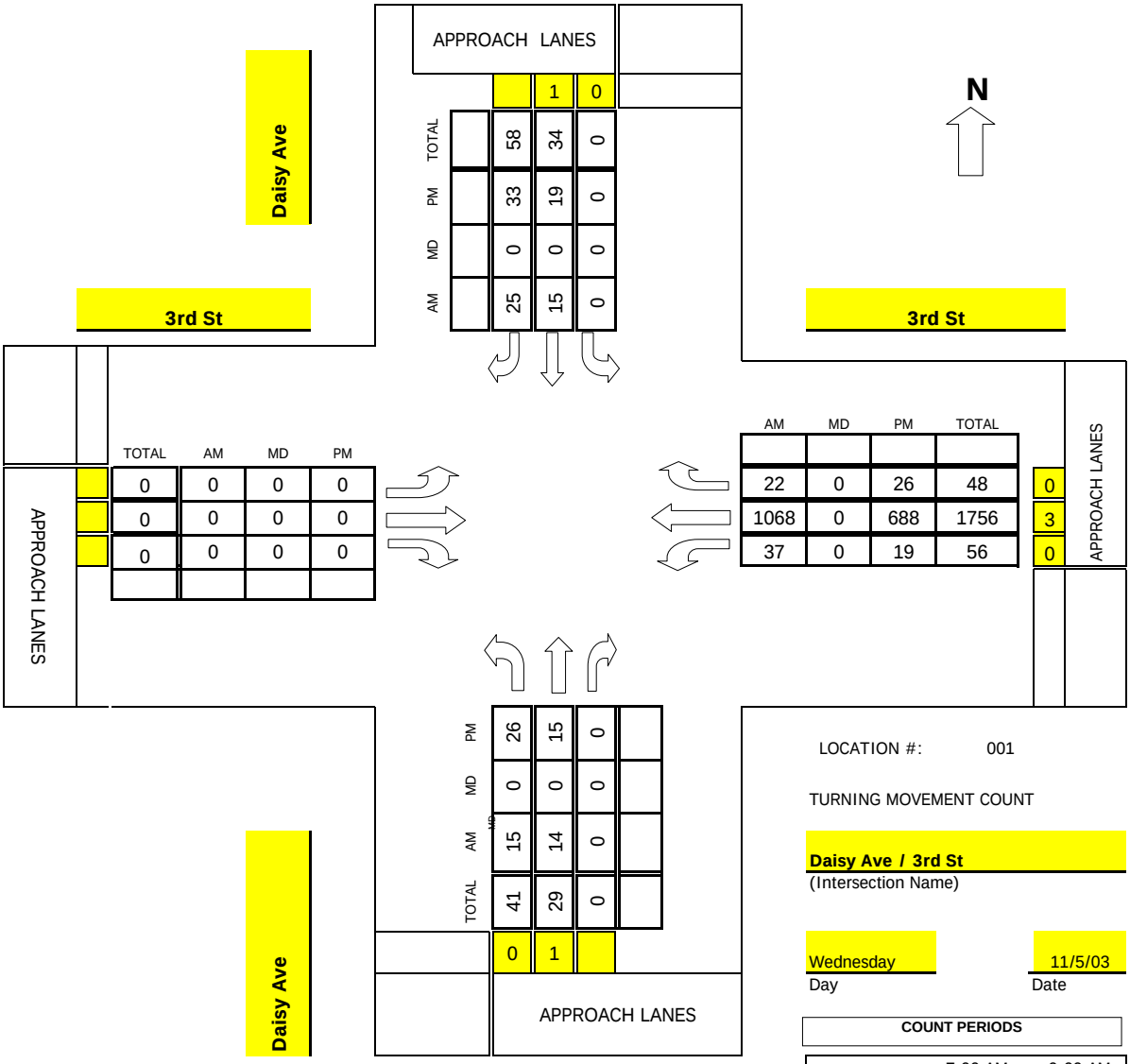
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	715 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	415 PM

TMC SUMMARY OF Daisy Ave / 3rd St

Project #: 03-1614-018



LOCATION #: 001

TURNING MOVEMENT COUNT

Daisy Ave / 3rd St
(Intersection Name)

Wednesday
Day

11/5/03
Date

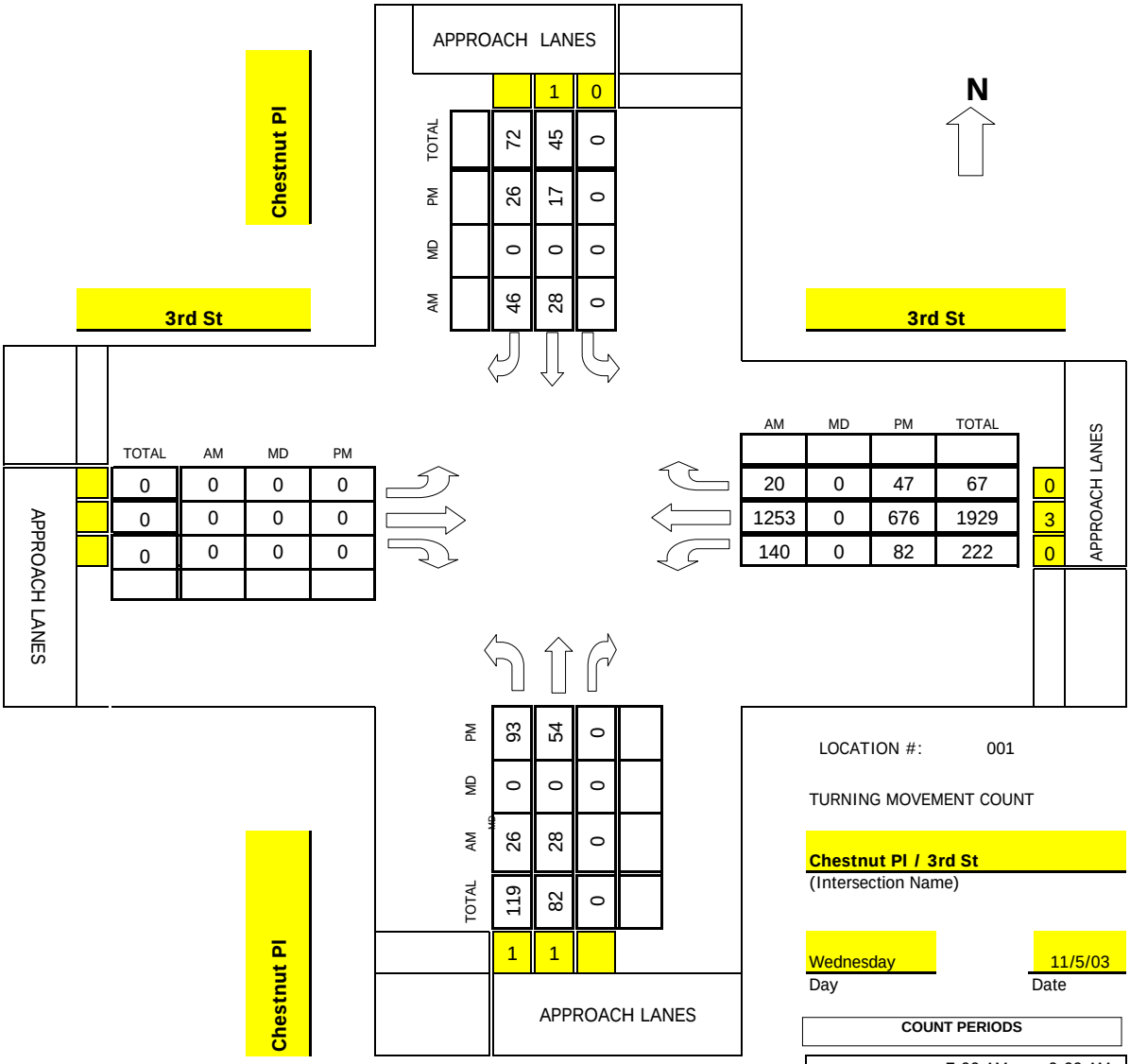
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	715 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	415 PM

TMC SUMMARY OF Chestnut Pl / 3rd St

Project #: 03-1614-020



		1	0
TOTAL	72	45	0
PM	26	17	0
MD	0	0	0
AM	46	28	0

	TOTAL	AM	MD	PM
	0	0	0	0
	0	0	0	0
	0	0	0	0

	AM	MD	PM	TOTAL
0	20	0	47	67
3	1253	0	676	1929
0	140	0	82	222

PM	93	54	0
MD	0	0	0
AM	26	28	0
TOTAL	119	82	0
	1	1	

LOCATION #: 001

TURNING MOVEMENT COUNT

Chestnut Pl / 3rd St
(Intersection Name)

Wednesday
Day

11/5/03
Date

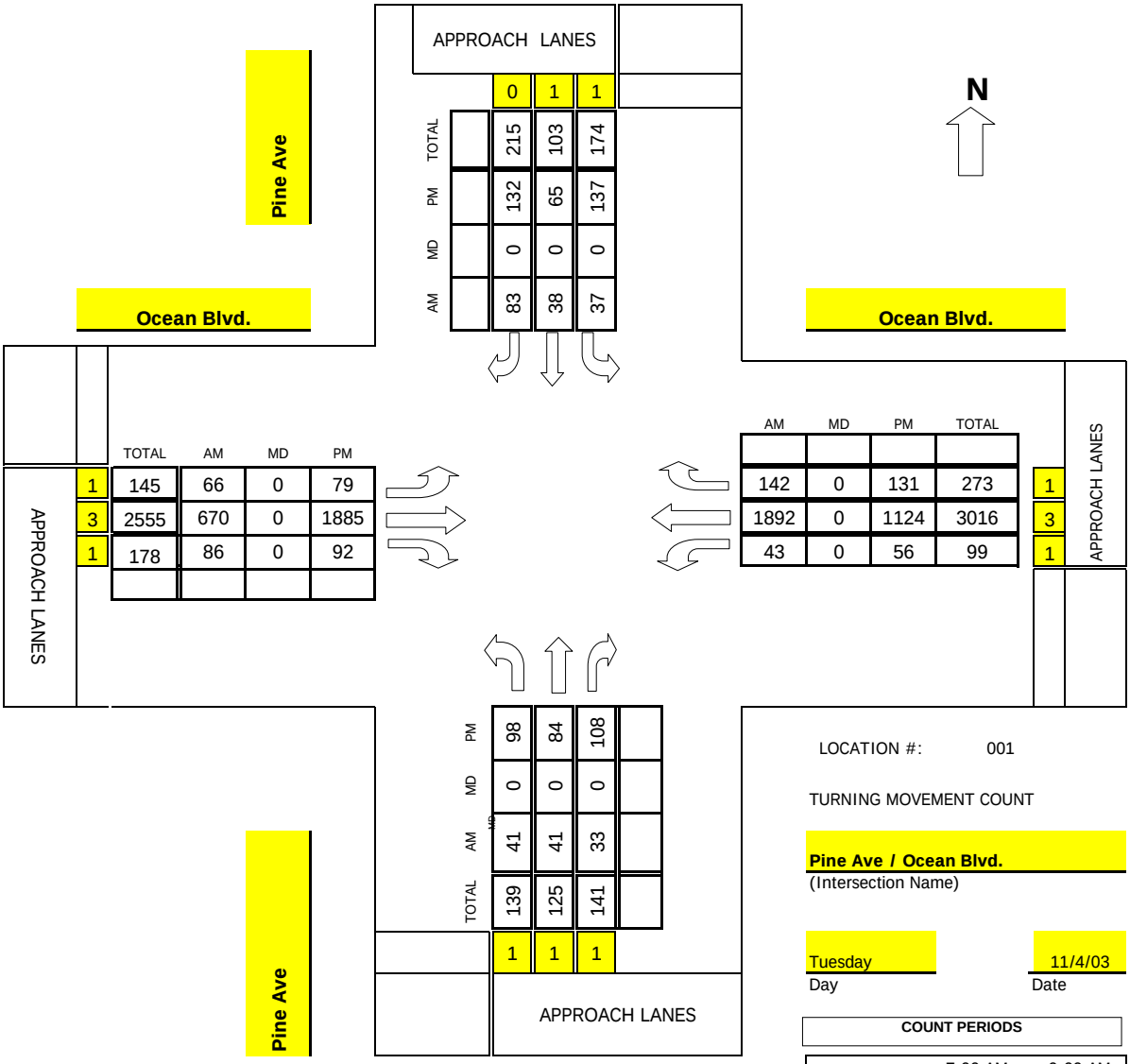
COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	715 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	415 PM

TMC SUMMARY OF Pine Ave / Ocean Blvd.

Project #: 03-1614-004



	0	1	1
TOTAL	215	103	174
PM	132	65	137
MD	0	0	0
AM	83	38	37

	TOTAL	AM	MD	PM
1	145	66	0	79
3	2555	670	0	1885
1	178	86	0	92

AM	MD	PM	TOTAL	
142	0	131	273	1
1892	0	1124	3016	3
43	0	56	99	1

	1	1	1
PM	98	84	108
MD	0	0	0
AM	41	41	33
TOTAL	139	125	141

LOCATION #: 001

TURNING MOVEMENT COUNT

Pine Ave / Ocean Blvd.
(Intersection Name)

Tuesday
Day

11/4/03
Date

COUNT PERIODS

am	7:00 AM	-	9:00 AM
noon	4:00 PM	-	6:00 PM
pm	4:00 PM	-	6:00 PM

AM PEAK HOUR	745 AM
NOON PEAK HOUR	0 AM
PM PEAK HOUR	430 PM

CAPACITY ANALYSES

EXISTING CONDITIONS

Long Beach West Gateway
Existing 2003
AM Peak Hour

Scenario Report

Scenario:	Existing AM
Command:	Existing AM
Volume:	Existing AM
Geometry:	Existing
Impact Fee:	Default Impact Fee
Trip Generation:	Default Trip Generation
Trip Distribution:	Default Trip Distribution
Paths:	Default Paths
Routes:	Default Routes
Configuration:	Default Configuration

Long Beach West Gateway
Existing 2003
AM Peak Hour

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 1 4th St & Golden Ave	A	7.1	0.055	A	7.1	0.055	+ 0.000 V/C
# 2 3rd St & Golden Ave	A	xxxxx	0.442	A	xxxxx	0.442	+ 0.000 V/C
# 4 Ocean Blvd & Golden Shore Ave	A	xxxxx	0.467	A	xxxxx	0.467	+ 0.000 V/C
# 5 4th St & Maine Ave	A	7.1	0.056	A	7.1	0.056	+ 0.000 V/C
# 6 3rd St & Maine Ave	C	21.5	0.000	C	21.5	0.000	+ 0.000 D/V
# 7 Broadway & Maine Ave	F	64.3	0.000	F	64.3	0.000	+ 0.000 D/V
# 8 4th St & Daisy Ave	A	7.2	0.063	A	7.2	0.063	+ 0.000 V/C
# 9 3rd St & Daisy Ave	D	28.3	0.000	D	28.3	0.000	+ 0.000 D/V
# 10 Broadway & Daisy Ave	A	xxxxx	0.252	A	xxxxx	0.252	+ 0.000 V/C
# 11 6th St & Magnolia Ave	A	xxxxx	0.405	A	xxxxx	0.405	+ 0.000 V/C
# 12 5th St & Magnolia Ave	B	14.1	0.000	B	14.1	0.000	+ 0.000 D/V
# 13 4th St & Magnolia Ave	A	xxxxx	0.354	A	xxxxx	0.354	+ 0.000 V/C
# 14 3rd St & Magnolia Ave	A	xxxxx	0.585	A	xxxxx	0.585	+ 0.000 V/C
# 15 Broadway & Magnolia Ave	A	xxxxx	0.454	A	xxxxx	0.454	+ 0.000 V/C
# 16 Ocean Blvd & Magnolia Ave	B	xxxxx	0.657	B	xxxxx	0.657	+ 0.000 V/C
# 17 4th St & Chestnut Ave	B	10.2	0.000	B	10.2	0.000	+ 0.000 D/V
# 18 3rd St & Chestnut Ave	A	xxxxx	0.414	A	xxxxx	0.414	+ 0.000 V/C
# 19 Broadway & Chestnut Ave	A	xxxxx	0.265	A	xxxxx	0.265	+ 0.000 V/C
# 20 4th St & Cedar Ave	A	xxxxx	0.107	A	xxxxx	0.107	+ 0.000 V/C
# 21 3rd St & Cedar Ave	A	xxxxx	0.471	A	xxxxx	0.471	+ 0.000 V/C
# 22 Broadway & Cedar Ave	A	xxxxx	0.268	A	xxxxx	0.268	+ 0.000 V/C
# 23 7th St & Pacific Ave	B	xxxxx	0.615	B	xxxxx	0.615	+ 0.000 V/C
# 24 6th St & Pacific Ave	A	xxxxx	0.406	A	xxxxx	0.406	+ 0.000 V/C

Long Beach West Gateway
Existing 2003
AM Peak Hour

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 25 4th St & Pacific Ave	A	xxxxx	0.377	A	xxxxx	0.377	+ 0.000 V/C
# 26 3rd St & Pacific Ave	B	xxxxx	0.639	B	xxxxx	0.639	+ 0.000 V/C
# 27 Broadway & Pacific Ave	A	xxxxx	0.464	A	xxxxx	0.464	+ 0.000 V/C
# 28 Ocean Blvd & Pacific Ave	C	xxxxx	0.711	C	xxxxx	0.711	+ 0.000 V/C
# 29 4th St & Pine Ave	A	xxxxx	0.216	A	xxxxx	0.216	+ 0.000 V/C
# 30 3rd St & Pine Ave	A	xxxxx	0.451	A	xxxxx	0.451	+ 0.000 V/C
# 31 Broadway & Pine Ave	A	xxxxx	0.315	A	xxxxx	0.315	+ 0.000 V/C
# 32 Ocean Blvd & Pine Ave	A	xxxxx	0.537	A	xxxxx	0.537	+ 0.000 V/C
# 33 3rd St & Long Beach Blvd	B	xxxxx	0.665	B	xxxxx	0.665	+ 0.000 V/C
# 34 Broadway & Long Beach Blvd	B	xxxxx	0.639	B	xxxxx	0.639	+ 0.000 V/C
# 35 Ocean Blvd & Long Beach Blvd	A	xxxxx	0.594	A	xxxxx	0.594	+ 0.000 V/C
# 36 Ocean Blvd & Shoreline Ave	D	xxxxx	0.868	D	xxxxx	0.868	+ 0.000 V/C
# 37 7th St & Magnolia Ave	A	xxxxx	0.585	A	xxxxx	0.585	+ 0.000 V/C

Long Beach West Gateway
Existing 2003
AM Peak Hour

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

Intersection #1 4th St & Golden Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.055
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.1
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 0	0 0	1	0 0	1! 0	0	0 0	0 0	1	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:30												
Base Vol:	0	0	5	2	10	1	0	0	2	26	0	7
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	5	2	10	1	0	0	2	26	0	7
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
PHF Volume:	0	0	8	3	15	2	0	0	3	39	0	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	8	3	15	2	0	0	3	39	0	11
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	8	3	15	2	0	0	3	39	0	11
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	0.00	1.00	0.15	0.77	0.08	0.00	0.00	1.00	0.79	0.00	0.21
Final Sat.:	0	0	1035	137	683	68	0	0	1049	708	0	191
Capacity Analysis Module:												
Vol/Sat:	xxxx	xxxx	0.01	0.02	0.02	0.02	xxxx	xxxx	0.00	0.06	xxxx	0.06
Crit Moves:			****		****				****	****		
Delay/Veh:	0.0	0.0	6.4	7.1	7.1	7.1	0.0	0.0	6.4	7.2	0.0	7.2
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:	0.0	0.0	6.4	7.1	7.1	7.1	0.0	0.0	6.4	7.2	0.0	7.2
LOS by Move:	*	*	A	A	A	A	*	*	A	A	*	A
ApproachDel:	6.4			7.1			6.4			7.2		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	6.4			7.1			6.4			7.2		
LOS by Appr:	A			A			A			A		

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #2 3rd St & Golden Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.442
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	26	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
Lanes:	0 1	0 0	0	0 0	0 1	0	0 0	0 0	0	1 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	2	2	0	0	6	32	0	0	0	10	1019	31
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:	2	2	0	0	6	32	0	0	0	10	1019	31
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	3	3	0	0	8	40	0	0	0	13	1275	39
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	3	0	0	8	40	0	0	0	13	1275	39
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	3	3	0	0	8	40	0	0	0	13	1275	39
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:	0.50	0.50	0.00	0.00	0.16	0.84	0.00	0.00	0.00	1.00	1.94	0.06
Final Sat.:	800	800	0	0	253	1347	0	0	0	1600	3106	94
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.01	0.41	0.41
Crit Moves:	****				****						****	

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #4 Ocean Blvd & Golden Shore Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.467
Loss Time (sec): 0 (Y+R = 4 sec) 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			Prot+Permit			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	1 0	1 1	0	1 0	2 1	0	1 0	2 1	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:15												
Base Vol:	8	32	77	4	87	38	101	723	79	166	1570	575
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:	8	32	77	4	87	38	101	723	79	166	1570	575
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	8	34	81	4	92	40	107	763	83	175	1656	607
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	34	81	4	92	40	107	763	83	175	1656	607
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	34	81	4	92	40	107	763	83	175	1656	607
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	1.00	1.00	1.00	1.39	0.61	1.00	2.70	0.30	1.00	2.93	1.07
Final Sat.:	1600	1600	1600	1600	2227	973	1600	4327	473	1600	4684	1716
Capacity Analysis Module:												
Vol/Sat:	0.01	0.02	0.05	0.00	0.04	0.04	0.07	0.18	0.18	0.11	0.35	0.35
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Existing 2003
AM Peak Hour

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

Intersection #5 4th St & Maine Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.056
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.1
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 0	0 1	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	0	15	10	4	12	2	1	22	9	17	15	8
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	15	10	4	12	2	1	22	9	17	15	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	0	19	13	5	15	3	1	28	11	21	19	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	19	13	5	15	3	1	28	11	21	19	10
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	19	13	5	15	3	1	28	11	21	19	10
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	0.60	0.40	0.22	0.67	0.11	0.03	0.69	0.28	0.43	0.37	0.20
Final Sat.:	0	547	364	192	575	96	28	626	256	377	332	177
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.06
Crit Moves:			****		****			****			****	
Delay/Veh:	0.0	7.0	7.0	7.2	7.2	7.2	7.1	7.1	7.1	7.2	7.2	7.2
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:	0.0	7.0	7.0	7.2	7.2	7.2	7.1	7.1	7.1	7.2	7.2	7.2
LOS by Move:	*	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:		7.0			7.2			7.1			7.2	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		7.0			7.2			7.1			7.2	
LOS by Appr:		A			A			A			A	

Long Beach West Gateway
Existing 2003
AM Peak Hour

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

Intersection #6 3rd St & Maine Ave

Average Delay (sec/veh): 1.6 Worst Case Level Of Service: C[21.5]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:15																				
Base Vol:	22	12	0		0	10	22		0	0	0		0	0	0	70	1022		23	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00		1.00	
Initial Bse:	22	12	0		0	10	22		0	0	0		0	0	0	70	1022		23	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00		1.00	
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	1.00	1.00		1.00	
PHF Volume:	22	12	0		0	10	22		0	0	0		0	0	0	70	1022		23	
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0	0	0		0	
Final Vol.:	22	12	0		0	10	22		0	0	0		0	0	0	70	1022		23	
Critical Gap Module:																				
Critical Gp:	7.1	6.5	xxxxx	xxxxx		6.5	6.2	xxxxx	xxxx	xxxxx						4.1	xxxx	xxxxx		
FollowUpTim:	3.5	4.0	xxxxx	xxxxx		4.0	3.3	xxxxx	xxxx	xxxxx						2.2	xxxx	xxxxx		
Capacity Module:																				
Cnflict Vol:	656	1185	xxxxx	xxxx		1174	522	xxxx	xxxx	xxxxx						0	xxxx	xxxxx		
Potent Cap.:	382	191	xxxxx	xxxx		194	558	xxxx	xxxx	xxxxx						900	xxxx	xxxxx		
Move Cap.:	330	176	xxxxx	xxxx		179	558	xxxx	xxxx	xxxxx						900	xxxx	xxxxx		
Volume/Cap:	0.07	0.07	xxxx	xxxx		0.06	0.04	xxxx	xxxx	xxxx						0.08	xxxx	xxxx		
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx						0.3	xxxx	xxxxx		
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx						9.3	xxxx	xxxxx		
LOS by Move:	*	*	*	*		*	*	*	*	*						A	*	*		
Movement:	LT -	LTR -	RT	LT -		LTR -	RT	LT -	LTR -	RT						LT -	LTR -	RT		
Shared Cap.:	252	xxxx	xxxxx	xxxx		xxxx	335	xxxx	xxxx	xxxxx						xxxx	xxxx	xxxxx		
SharedQueue:	0.5	xxxx	xxxxx	xxxxx		xxxx	0.3	xxxxx	xxxx	xxxxx						xxxxx	xxxx	xxxxx		
Shrd StpDel:	21.5	xxxx	xxxxx	xxxxx		xxxx	16.9	xxxxx	xxxx	xxxxx						xxxxx	xxxx	xxxxx		
Shared LOS:	C	*	*	*		*	C	*	*	*						*	*	*		
ApproachDel:		21.5				16.9			xxxxxx							xxxxxx				
ApproachLOS:		C				C			*							*				

Long Beach West Gateway
Existing 2003
AM Peak Hour

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

Intersection #7 Broadway & Maine Ave

Average Delay (sec/veh): 3.1 Worst Case Level Of Service: F[64.3]

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					Yield Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	1	0	0	1	0	0	0	1	0	2	1	0	0	0	0	0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45																				
Base Vol:	0	8	28			15	50				9	1284				195	0			
Growth Adj:	1.00	1.00	1.00			1.00	1.00				1.00	1.00				1.00	1.00			
Initial Bse:	0	8	28			15	50				9	1284				195	0			
User Adj:	1.00	1.00	1.00			1.00	1.00				1.00	1.00				1.00	1.00			
PHF Adj:	0.93	0.93	0.93			0.93	0.93				0.93	0.93				0.93	0.93			
PHF Volume:	0	9	30			16	54				10	1384				210	0			
Reduct Vol:	0	0	0			0	0				0	0				0	0			
Final Vol.:	0	9	30			16	54				10	1384				210	0			
Critical Gap Module:																				
Critical Gp:	xxxxx	6.5	6.2			7.1	6.5				4.1	xxxx				xxxxx	xxxx			
FollowUpTim:	xxxxx	4.0	3.3			3.5	4.0				2.2	xxxx				xxxxx	xxxx			
Capacity Module:																				
Cnflict Vol:	xxxx	1508	566			485	1613				0	xxxx				xxxxx	xxxx			
Potent Cap.:	xxxx	122	527			496	105				900	xxxx				xxxxx	xxxx			
Move Cap.:	xxxx	121	527			438	104				900	xxxx				xxxxx	xxxx			
Volume/Cap:	xxxx	0.07	0.06			0.04	0.52				0.01	xxxx				xxxx	xxxx			
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx			xxxxx	xxxx				0.0	xxxx				xxxxx	xxxx			
Stopped Del:	xxxxx	xxxx	xxxxx			xxxxx	xxxx				9.0	xxxx				xxxxx	xxxx			
LOS by Move:	*	*	*			*	*				A	*				*	*			
Movement:	LT - LTR - RT					LT - LTR - RT					LT - LTR - RT					LT - LTR - RT				
Shared Cap.:	xxxx	xxxx	301			126	xxxx				xxxx	xxxx				xxxxx	xxxx			
SharedQueue:	xxxxx	xxxx	0.4			2.7	xxxx				xxxxx	xxxx				xxxxx	xxxx			
Shrd StpDel:	xxxxx	xxxx	18.7			64.3	xxxx				xxxxx	xxxx				xxxxx	xxxx			
Shared LOS:	*	*	C			F	*				*	*				*	*			
ApproachDel:	18.7					64.3					xxxxxx					xxxxxx				
ApproachLOS:	C					F					*					*				

Long Beach West Gateway
Existing 2003
AM Peak Hour

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

Intersection #8 4th St & Daisy Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.063
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.2
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 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:00												
Base Vol:	1	11	11	6	17	2	2	43	2	11	24	10
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	1	11	11	6	17	2	2	43	2	11	24	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
PHF Volume:	1	13	13	7	20	2	2	50	2	13	28	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	13	13	7	20	2	2	50	2	13	28	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	1	13	13	7	20	2	2	50	2	13	28	12
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:	0.04	0.48	0.48	0.24	0.68	0.08	0.04	0.92	0.04	0.24	0.54	0.22
Final Sat.:	39	433	433	203	576	68	37	802	37	218	475	198
Capacity Analysis Module:												
Vol/Sat:	0.03	0.03	0.03	0.03	0.03	0.03	0.06	0.06	0.06	0.06	0.06	0.06
Crit Moves:	****				****		****				****	
Delay/Veh:	7.0	7.0	7.0	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.2
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:	7.0	7.0	7.0	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.2
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	7.0			7.3			7.3			7.2		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	7.0			7.3			7.3			7.2		
LOS by Appr:	A			A			A			A		

Long Beach West Gateway
Existing 2003
AM Peak Hour

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

Intersection #9 3rd St & Daisy Ave

Average Delay (sec/veh): 1.7 Worst Case Level Of Service: D[28.3]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:15																				
Base Vol:	15	14	0		0	15	25		0		0	0		0		37	1068		22	
Growth Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
Initial Bse:	15	14	0		0	15	25		0		0	0		0		37	1068		22	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Adj:	0.80	0.80	0.80		0.80	0.80	0.80		0.80		0.80	0.80		0.80		0.80	0.80		0.80	
PHF Volume:	19	17	0		0	19	31		0		0	0		0		46	1328		27	
Reduct Vol:	0	0	0		0	0	0		0		0	0		0		0	0		0	
Final Vol.:	19	17	0		0	19	31		0		0	0		0		46	1328		27	
Critical Gap Module:																				
Critical Gp:	7.1	6.5	xxxxx	xxxxx		6.5	6.2	xxxxx	xxxx	xxxxx		4.1	xxxx	xxxxx						
FollowUpTim:	3.5	4.0	xxxxx	xxxxx		4.0	3.3	xxxxx	xxxx	xxxxx		2.2	xxxx	xxxxx						
Capacity Module:																				
Cnflict Vol:	544	1448	xxxxx	xxxx		1434	456	xxxx	xxxx	xxxxx		0	xxxx	xxxxx						
Potent Cap.:	453	133	xxxxx	xxxx		135	608	xxxx	xxxx	xxxxx		900	xxxx	xxxxx						
Move Cap.:	366	126	xxxxx	xxxx		128	608	xxxx	xxxx	xxxxx		900	xxxx	xxxxx						
Volume/Cap:	0.05	0.14	xxxx	xxxx		0.15	0.05	xxxx	xxxx	xxxx		0.05	xxxx	xxxx						
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx		0.2	xxxx	xxxxx						
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx		9.2	xxxx	xxxxx						
LOS by Move:	*	*	*	*		*	*	*	*	*		A	*	*						
Movement:	LT -	LTR -	RT	LT -		LTR -	RT	LT -	LTR -	RT		LT -	LTR -	RT						
Shared Cap.:	190	xxxx	xxxxx	xxxx		xxxx	253	xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx						
SharedQueue:	0.7	xxxx	xxxxx	xxxxx		xxxx	0.7	xxxxx	xxxx	xxxxx		0.2	xxxx	xxxxx						
Shrd StpDel:	28.3	xxxx	xxxxx	xxxxx		xxxx	22.7	xxxxx	xxxx	xxxxx		9.2	xxxx	xxxxx						
Shared LOS:	D	*	*	*		*	C	*	*	*		A	*	*						
ApproachDel:	28.3					22.7		xxxxxx				xxxxxx								
ApproachLOS:	D					C		*				*								

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #10 Broadway & Daisy Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.252
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	19	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
Lanes:	0 0	0 1	0	0 1	0 0	0	0 1	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	0	1	7	28	19	0	21	1355	25	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1	7	28	19	0	21	1355	25	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	0	1	7	29	20	0	22	1414	26	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1	7	29	20	0	22	1414	26	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	1	7	29	20	0	22	1414	26	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	0.12	0.88	0.60	0.40	0.00	0.06	3.87	0.07	0.00	0.00	0.00
Final Sat.:	0	200	1400	953	647	0	96	6190	114	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.01	0.01	0.02	0.03	0.00	0.01	0.23	0.23	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #11 6th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.405
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	24	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
Lanes:	0 0	0 1	0	1 0	1 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 7:30												
Base Vol:	0	188	51	61	449	0	71	396	34	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	188	51	61	449	0	71	396	34	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	198	54	64	473	0	75	417	36	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	198	54	64	473	0	75	417	36	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	198	54	64	473	0	75	417	36	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	0.79	0.21	1.00	1.00	0.00	0.43	2.37	0.20	0.00	0.00	0.00
Final Sat.:	0	1259	341	1600	1600	0	680	3794	326	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.16	0.16	0.04	0.30	0.00	0.05	0.11	0.11	0.00	0.00	0.00
Crit Moves:	****				****			****				

Long Beach West Gateway
Existing 2003
AM Peak Hour

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

Intersection #12 5th St & Magnolia Ave

Average Delay (sec/veh): 0.7 Worst Case Level Of Service: B[14.1]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	1 0 0 1 0			1 0 0 1 0			0 0 1! 0 0			0 0 1! 0 0		
Volume Module: >> Count Date: 6 Nov 2003 << 7:45												
Base Vol:	5	223	3	8	475	22	3	1	16	8	2	6
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:	5	223	3	8	475	22	3	1	16	8	2	6
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
PHF Volume:	5	226	3	8	482	22	3	1	16	8	2	6
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	5	226	3	8	482	22	3	1	16	8	2	6
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx	7.1	6.5	6.2	7.1	6.5	6.2
FollowUpTim:	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx	3.5	4.0	3.3	3.5	4.0	3.3
Capacity Module:												
Cnflict Vol:	505	xxxx	xxxxx	229	xxxx	xxxxx	752	749	493	756	759	228
Potent Cap.:	1070	xxxx	xxxxx	1350	xxxx	xxxxx	329	343	580	327	338	816
Move Cap.:	1070	xxxx	xxxxx	1350	xxxx	xxxxx	323	339	580	314	335	816
Volume/Cap:	0.00	xxxx	xxxx	0.01	xxxx	xxxx	0.01	0.00	0.03	0.03	0.01	0.01
Level Of Service Module:												
Queue:	0.0	xxxx	xxxxx	0.0	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	8.4	xxxx	xxxxx	7.7	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	A	*	*	A	*	*	*	*	*	*	*	*
Movement:	LT - LTR - RT			LT - LTR - RT			LT - LTR - RT			LT - LTR - RT		
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	502	xxxxx	xxxx	413	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.1	xxxxx	xxxxx	0.1	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	12.5	xxxxx	xxxxx	14.1	xxxxx
Shared LOS:	*	*	*	*	*	*	*	B	*	*	B	*
ApproachDel:	xxxxxx			xxxxxx			12.5			14.1		
ApproachLOS:	*			*			B			B		

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #13 4th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.354
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	22	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
Lanes:	1 0	0 1	0	1 0	0 1	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	4	97	19	16	442	9	10	23	13	17	19	13
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:	4	97	19	16	442	9	10	23	13	17	19	13
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	4	107	21	18	487	10	11	25	14	19	21	14
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	4	107	21	18	487	10	11	25	14	19	21	14
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	4	107	21	18	487	10	11	25	14	19	21	14
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	0.84	0.16	1.00	0.98	0.02	0.22	0.50	0.28	0.35	0.39	0.26
Final Sat.:	1600	1338	262	1600	1568	32	348	800	452	555	620	424
Capacity Analysis Module:												
Vol/Sat:	0.00	0.08	0.08	0.01	0.31	0.31	0.01	0.03	0.03	0.01	0.03	0.03
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #14 3rd St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.585
Loss Time (sec):	0 (Y+R = 4 sec)	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	0	0	0	0
Lanes:	1	0 1	0	0	0	0 1	1	0	0	0 0	0	0	0	1 1	1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:30																
Base Vol:	81	157	0	0	518	66	0	0	0	238	997	68				
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:	81	157	0	0	518	66	0	0	0	238	997	68				
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
PHF Adj:	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86				
PHF Volume:	94	182	0	0	601	77	0	0	0	276	1157	79				
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0				
Reduced Vol:	94	182	0	0	601	77	0	0	0	276	1157	79				
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Final Vol.:	94	182	0	0	601	77	0	0	0	276	1157	79				
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	1.00	0.00	0.00	1.77	0.23	0.00	0.00	0.00	0.55	2.29	0.16				
Final Sat.:	1600	1600	0	0	2838	362	0	0	0	877	3673	250				
Capacity Analysis Module:																
Vol/Sat:	0.06	0.11	0.00	0.00	0.21	0.21	0.00	0.00	0.00	0.17	0.31	0.31				
Crit Moves:	****				****						****					

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #15 Broadway & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.454
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	26	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
Lanes:	0 0	1 1	0	0 1	1 0	0	0 1	2 0	1	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	0	67	137	24	550	0	13	976	401	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	67	137	24	550	0	13	976	401	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	71	145	25	580	0	14	1030	423	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	71	145	25	580	0	14	1030	423	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	71	145	25	580	0	14	1030	423	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	1.00	1.00	0.08	1.92	0.00	0.04	2.96	1.00	0.00	0.00	0.00
Final Sat.:	0	1600	1600	134	3066	0	63	4737	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.04	0.09	0.02	0.19	0.00	0.01	0.22	0.26	0.00	0.00	0.00
Crit Moves:	****				****				****			

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #16 Ocean Blvd & Magnolia Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.657
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	42	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
Lanes:	1 0	2 0	1	1 0	2 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:45 AM												
Base Vol:	20	21	23	190	151	285	123	733	25	134	1715	255
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:	20	21	23	190	151	285	123	733	25	134	1715	255
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	21	22	24	200	159	300	129	771	26	141	1803	268
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	21	22	24	200	159	300	129	771	26	141	1803	268
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	21	22	24	200	159	300	129	771	26	141	1803	268
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	1.00	1.00	2.00	1.00	1.00	2.90	0.10	1.00	3.00	1.00
Final Sat.:	1600	3200	1600	1600	3200	1600	1600	4642	158	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.01	0.01	0.02	0.12	0.05	0.19	0.08	0.17	0.17	0.09	0.38	0.17
Crit Moves:	****					****	****				****	

Long Beach West Gateway
Existing 2003
AM Peak Hour

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

Intersection #17 4th St & Chestnut Ave

Average Delay (sec/veh): 4.9 Worst Case Level Of Service: B[10.2]

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Stop Sign						Stop Sign						Uncontrolled						Uncontrolled					
Rights:	Include						Include						Include						Include					
Lanes:	0	0	1!	0	0		0	0	1!	0	0		0	0	1!	0	0		0	0	1!	0	0	
Volume Module: >> Count Date: 4 Nov 2003 << 8:00																								
Base Vol:		9	26		23		6	35		8			6	62		13			8	36		6		
Growth Adj:	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00
Initial Bse:		9	26		23		6	35		8			6	62		13			8	36		6		
User Adj:	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00
PHF Adj:	0.84	0.84		0.84		0.84	0.84	0.84		0.84		0.84	0.84	0.84		0.84		0.84	0.84	0.84		0.84		0.84
PHF Volume:		11	31		27		7	42		10			7	74		16			10	43		7		
Reduct Vol:		0	0		0		0	0		0			0	0		0			0	0		0		
Final Vol.:		11	31		27		7	42		10			7	74		16			10	43		7		
Critical Gap Module:																								
Critical Gp:	7.1	6.5		6.2		7.1	6.5		6.2			4.1	xxxx	xxxxx				4.1	xxxx	xxxxx				
FollowUpTim:	3.5	4.0		3.3		3.5	4.0		3.3			2.2	xxxx	xxxxx				2.2	xxxx	xxxxx				
Capacity Module:																								
Cnflict Vol:	187	165		82		191	169		47			50	xxxx	xxxxx				89	xxxx	xxxxx				
Potent Cap.:	778	731		984		773	727		1029			1569	xxxx	xxxxx				1519	xxxx	xxxxx				
Move Cap.:	730	723		984		721	719		1029			1569	xxxx	xxxxx				1519	xxxx	xxxxx				
Volume/Cap:	0.01	0.04		0.03		0.01	0.06		0.01			0.00	xxxx	xxxx				0.01	xxxx	xxxx				
Level Of Service Module:																								
Queue:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx			0.0	xxxx	xxxxx				0.0	xxxx	xxxxx				
Stopped Del:	xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx			7.3	xxxx	xxxxx				7.4	xxxx	xxxxx				
LOS by Move:	*	*		*		*	*		*			A	*	*				A	*	*				
Movement:	LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT	
Shared Cap.:	xxxx		809	xxxxx			xxxx		757	xxxxx			xxxx	xxxx	xxxxx				xxxx	xxxx	xxxxx			
SharedQueue:	xxxxx		0.3	xxxxx			xxxxx		0.3	xxxxx			xxxxx	xxxx	xxxxx				xxxxx	xxxx	xxxxx			
Shrd StpDel:	xxxxx		9.9	xxxxx			xxxxx		10.2	xxxxx			xxxxx	xxxx	xxxxx				xxxxx	xxxx	xxxxx			
Shared LOS:	*		A	*			*		B	*			*	*	*				*	*	*			
ApproachDel:			9.9						10.2					xxxxxx						xxxxxx				
ApproachLOS:			A						B					*						*				

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #18 3rd St & Chestnut Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.414
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	25	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:15												
Base Vol:	26	28	0	0	28	46	0	0	0	140	1253	20
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:	26	28	0	0	28	46	0	0	0	140	1253	20
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
PHF Volume:	30	32	0	0	32	53	0	0	0	162	1454	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	30	32	0	0	32	53	0	0	0	162	1454	23
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	30	32	0	0	32	53	0	0	0	162	1454	23
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	1.00	0.00	0.00	0.38	0.62	0.00	0.00	0.00	0.30	2.66	0.04
Final Sat.:	1600	1600	0	0	605	995	0	0	0	476	4256	68
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.10	0.34	0.34
Crit Moves:	****				****						****	

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #19 Broadway & Chestnut Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.265
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	25	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			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	1	1 1	0 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	0	31	44	92	22	0	35	894	22	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	31	44	92	22	0	35	894	22	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	0	32	45	95	23	0	36	923	23	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	32	45	95	23	0	36	923	23	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	32	45	95	23	0	36	923	23	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	0.83	1.17	1.61	0.39	0.00	0.11	2.82	0.07	0.00	0.00	0.00
Final Sat.:	0	1323	1877	2582	618	0	177	4512	111	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.02	0.02	0.04	0.04	0.00	0.02	0.20	0.20	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #20 4th St & Cedar Ave

Cycle (sec):	50	Critical Vol./Cap. (X):	0.107
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	16	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
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	2	26	14	9	33	4	7	58	6	6	60	18
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:	2	26	14	9	33	4	7	58	6	6	60	18
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
PHF Volume:	2	31	17	11	40	5	8	70	7	7	72	22
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	2	31	17	11	40	5	8	70	7	7	72	22
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	2	31	17	11	40	5	8	70	7	7	72	22
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:	0.05	0.62	0.33	0.19	0.72	0.09	0.10	0.82	0.08	0.07	0.72	0.21
Final Sat.:	76	990	533	313	1148	139	158	1307	135	114	1143	343
Capacity Analysis Module:												
Vol/Sat:	0.00	0.03	0.03	0.01	0.03	0.03	0.01	0.05	0.05	0.00	0.06	0.06
Crit Moves:		****		****			****				****	

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #21 3rd St & Cedar Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.471
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	27	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:30												
Base Vol:	34	15	0	0	24	70	0	0	0	195	1326	43
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:	34	15	0	0	24	70	0	0	0	195	1326	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:	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
PHF Volume:	39	17	0	0	28	81	0	0	0	226	1538	50
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	39	17	0	0	28	81	0	0	0	226	1538	50
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	39	17	0	0	28	81	0	0	0	226	1538	50
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	1.00	0.00	0.00	0.26	0.74	0.00	0.00	0.00	0.37	2.55	0.08
Final Sat.:	1600	1600	0	0	409	1191	0	0	0	598	4070	132
Capacity Analysis Module:												
Vol/Sat:	0.02	0.01	0.00	0.00	0.07	0.07	0.00	0.00	0.00	0.14	0.38	0.38
Crit Moves:	****				****						****	

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #22 Broadway & Cedar Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.268
Loss Time (sec): 0 (Y+R = 4 sec) 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:	Split Phase			Split Phase			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	1	1 1	0 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	0	1	3	123	9	0	15	783	213	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	1	3	123	9	0	15	783	213	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	1	3	130	10	0	16	828	225	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1	3	130	10	0	16	828	225	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	1	3	130	10	0	16	828	225	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	0.50	1.50	1.86	0.14	0.00	0.04	2.33	0.63	0.00	0.00	0.00
Final Sat.:	0	800	2400	2982	218	0	71	3718	1011	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.04	0.04	0.00	0.22	0.22	0.22	0.00	0.00	0.00
Crit Moves:			****	****			****					

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #23 7th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.615
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	39	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:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	1 1	0	0 0	0 0	0	1 0	3 0	1
Volume Module: >> Count Date: 6 Nov 2003 << 7:15												
Base Vol:	44	180	0	0	390	56	0	0	0	180	1332	101
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:	44	180	0	0	390	56	0	0	0	180	1332	101
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	48	195	0	0	423	61	0	0	0	195	1445	110
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	48	195	0	0	423	61	0	0	0	195	1445	110
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	48	195	0	0	423	61	0	0	0	195	1445	110
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	1.75	0.25	0.00	0.00	0.00	1.00	3.00	1.00
Final Sat.:	1600	3200	0	0	2798	402	0	0	0	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.03	0.06	0.00	0.00	0.15	0.15	0.00	0.00	0.00	0.12	0.30	0.07
Crit Moves:	****				****						****	

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #24 6th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.406
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	27	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			Prot+Permit			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1 1	0	1 0	2 0	0	1 0	3 0	1	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 7:15												
Base Vol:	0	166	95	82	405	0	28	598	21	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	166	95	82	405	0	28	598	21	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	176	101	87	429	0	30	633	22	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	176	101	87	429	0	30	633	22	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	176	101	87	429	0	30	633	22	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	1.27	0.73	1.00	2.00	0.00	1.00	3.00	1.00	0.00	0.00	0.00
Final Sat.:	0	2035	1165	1600	3200	0	1600	4800	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.09	0.09	0.05	0.13	0.00	0.02	0.13	0.01	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #25 4th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.377
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	26	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:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 1	0	0 1	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	9	150	17	1	464	8	11	29	34	15	63	8
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	9	150	17	1	464	8	11	29	34	15	63	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
PHF Volume:	11	179	20	1	553	10	13	35	41	18	75	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	179	20	1	553	10	13	35	41	18	75	10
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	11	179	20	1	553	10	13	35	41	18	75	10
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	1.80	0.20	0.01	1.96	0.03	1.00	0.46	0.54	1.00	0.89	0.11
Final Sat.:	1600	2874	326	7	3139	54	1600	737	863	1600	1420	180
Capacity Analysis Module:												
Vol/Sat:	0.01	0.06	0.06	0.00	0.18	0.18	0.01	0.05	0.05	0.01	0.05	0.05
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #26 3rd St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.639
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	40	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Protected			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	1 0	2 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:30												
Base Vol:	57	109	0	0	324	118	0	0	0	57	1412	33
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	57	109	0	0	324	118	0	0	0	57	1412	33
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
PHF Volume:	66	126	0	0	374	136	0	0	0	66	1630	38
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	66	126	0	0	374	136	0	0	0	66	1630	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
Final Vol.:	66	126	0	0	374	136	0	0	0	66	1630	38
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	2.00	1.00	0.00	0.00	0.00	1.00	2.93	0.07
Final Sat.:	1600	3200	0	0	3200	1600	0	0	0	1600	4690	110
Capacity Analysis Module:												
Vol/Sat:	0.04	0.04	0.00	0.00	0.12	0.09	0.00	0.00	0.00	0.04	0.35	0.35
Crit Moves:	****				****						****	

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #27 Broadway & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.464
Loss Time (sec):	10 (Y+R = 4 sec)	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			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	2 0	1	1 0	2 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 5 Nov 2003 << 8:00												
Base Vol:	0	162	49	79	381	0	23	703	189	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	162	49	79	381	0	23	703	189	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	176	53	86	413	0	25	762	205	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	176	53	86	413	0	25	762	205	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	176	53	86	413	0	25	762	205	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	2.00	1.00	1.00	2.00	0.00	1.00	2.36	0.64	0.00	0.00	0.00
Final Sat.:	0	3200	1600	1600	3200	0	1600	3783	1017	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.05	0.03	0.05	0.13	0.00	0.02	0.20	0.20	0.00	0.00	0.00
Crit Moves:					****			****				

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #28 Ocean Blvd & Pacific Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.711
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	64	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			Prot+Permit			Prot+Permit		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1! 0	0	1 1	0 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:45												
Base Vol:	7	2	6	97	3	287	205	672	21	30	1746	183
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:	7	2	6	97	3	287	205	672	21	30	1746	183
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	7	2	6	102	3	302	216	707	22	32	1838	193
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	2	6	102	3	302	216	707	22	32	1838	193
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	7	2	6	102	3	302	216	707	22	32	1838	193
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:	0.47	0.13	0.40	1.94	0.06	1.00	1.00	2.91	0.09	1.00	3.00	1.00
Final Sat.:	747	213	640	3104	96	1600	1600	4655	145	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.00	0.01	0.01	0.03	0.03	0.19	0.13	0.15	0.15	0.02	0.38	0.12
Crit Moves:	****					****	****				****	

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #29 4th St & Pine Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.216
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	18	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
Lanes:	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 6 Nov 2003 << 8:00												
Base Vol:	6	109	23	18	151	20	12	45	14	11	63	18
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:	6	109	23	18	151	20	12	45	14	11	63	18
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
PHF Volume:	8	140	29	23	194	26	15	58	18	14	81	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	140	29	23	194	26	15	58	18	14	81	23
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	140	29	23	194	26	15	58	18	14	81	23
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	0.83	0.17	1.00	0.88	0.12	1.00	0.76	0.24	1.00	0.78	0.22
Final Sat.:	1600	1321	279	1600	1413	187	1600	1220	380	1600	1244	356
Capacity Analysis Module:												
Vol/Sat:	0.00	0.11	0.11	0.01	0.14	0.14	0.01	0.05	0.05	0.01	0.06	0.06
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #30 3rd St & Pine Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.451
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	26	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
Lanes:	1 0	1 0	0	0 0	1 0	1	0 0	0 0	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:30												
Base Vol:	51	96	0	0	126	61	0	0	0	71	1447	55
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:	51	96	0	0	126	61	0	0	0	71	1447	55
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	56	105	0	0	138	67	0	0	0	78	1585	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	56	105	0	0	138	67	0	0	0	78	1585	60
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	56	105	0	0	138	67	0	0	0	78	1585	60
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	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00	3.00	1.00
Final Sat.:	1600	1600	0	0	1600	1600	0	0	0	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.03	0.07	0.00	0.00	0.09	0.04	0.00	0.00	0.00	0.05	0.33	0.04
Crit Moves:	****				****						****	

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #31 Broadway & Pine Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.315
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	21	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
Lanes:	0 0	0 1	0	1 0	1 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	0	103	40	50	177	0	27	710	98	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	103	40	50	177	0	27	710	98	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	112	44	55	193	0	29	775	107	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	112	44	55	193	0	29	775	107	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	112	44	55	193	0	29	775	107	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	0.72	0.28	1.00	1.00	0.00	1.00	2.64	0.36	0.00	0.00	0.00
Final Sat.:	0	1152	448	1600	1600	0	1600	4218	582	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.10	0.10	0.03	0.12	0.00	0.02	0.18	0.18	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #32 Ocean Blvd & Pine Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.537
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	1 0	1 0	1	0 1	0 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	41	41	33	37	38	83	66	670	86	43	1892	142
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:	41	41	33	37	38	83	66	670	86	43	1892	142
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	43	43	35	39	40	88	70	709	91	46	2002	150
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	43	43	35	39	40	88	70	709	91	46	2002	150
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	43	43	35	39	40	88	70	709	91	46	2002	150
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	1.00	1.00	0.49	0.51	1.00	1.00	2.66	0.34	1.00	3.00	1.00
Final Sat.:	1600	1600	1600	789	811	1600	1600	4254	546	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.03	0.03	0.02	0.02	0.05	0.05	0.04	0.17	0.17	0.03	0.42	0.09
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #33 3rd St & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.665
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	43	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Protected			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	0 1	2 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:15												
Base Vol:	68	236	0	0	398	175	0	0	0	83	1375	130
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:	68	236	0	0	398	175	0	0	0	83	1375	130
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
PHF Volume:	77	267	0	0	450	198	0	0	0	94	1554	147
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	77	267	0	0	450	198	0	0	0	94	1554	147
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	77	267	0	0	450	198	0	0	0	94	1554	147
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	2.00	1.00	0.00	0.00	0.00	0.17	2.83	1.00
Final Sat.:	1600	3200	0	0	3200	1600	0	0	0	273	4527	1600
Capacity Analysis Module:												
Vol/Sat:	0.05	0.08	0.00	0.00	0.14	0.12	0.00	0.00	0.00	0.06	0.34	0.09
Crit Moves:	****				****						****	

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #34 Broadway & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.639
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	40	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
Lanes:	0 0	2 0	1	2 0	2 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	0	376	64	193	284	0	202	1317	83	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	376	64	193	284	0	202	1317	83	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	0	405	69	208	306	0	217	1418	89	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	405	69	208	306	0	217	1418	89	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	405	69	208	306	0	217	1418	89	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	2.00	1.00	2.00	2.00	0.00	1.00	2.82	0.18	0.00	0.00	0.00
Final Sat.:	0	3200	1600	3200	3200	0	1600	4515	285	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.13	0.04	0.06	0.10	0.00	0.14	0.31	0.31	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #35 Ocean Blvd & Long Beach Blvd

Cycle (sec):	90	Critical Vol./Cap. (X):	0.594
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	46	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			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 0	0	1 0	1! 0	1	1 0	3 0	0	0 0	3 0	1
Volume Module: >> Count Date: 4 Nov 2003 << 7:15 AM												
Base Vol:	0	0	0	44	0	245	132	487	0	0	1924	100
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	44	0	245	132	487	0	0	1924	100
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	0	0	0	47	0	260	140	516	0	0	2040	106
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	47	0	260	140	516	0	0	2040	106
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	47	0	260	140	516	0	0	2040	106
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	0.00	0.00	1.00	0.00	2.00	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	1600	0	3200	1600	4800	0	0	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.03	0.00	0.08	0.09	0.11	0.00	0.00	0.43	0.07
Crit Moves:						****	****				****	

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #36 Ocean Blvd & Shoreline Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.868
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	140	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			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	3 0	1	1 0	2 1	0	1 0	2 1	0	2 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	26	72	125	49	271	302	107	432	13	426	1765	55
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:	26	72	125	49	271	302	107	432	13	426	1765	55
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	27	74	129	51	280	312	110	446	13	440	1821	57
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	27	74	129	51	280	312	110	446	13	440	1821	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
Final Vol.:	27	74	129	51	280	312	110	446	13	440	1821	57
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	3.00	1.00	1.00	2.00	1.00	1.00	2.91	0.09	2.00	1.94	0.06
Final Sat.:	1600	4800	1600	1600	3200	1600	1600	4660	140	3200	3103	97
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.08	0.03	0.09	0.19	0.07	0.10	0.10	0.14	0.59	0.59
Crit Moves:	****					****	****				****	

Long Beach West Gateway
Existing 2003
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #37 7th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.585
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 6 Nov 2003 << 7:00												
Base Vol:	57	150	0	0	247	61	0	0	0	184	1333	59
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	57	150	0	0	247	61	0	0	0	184	1333	59
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	60	158	0	0	259	64	0	0	0	193	1400	62
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	60	158	0	0	259	64	0	0	0	193	1400	62
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	60	158	0	0	259	64	0	0	0	193	1400	62
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	1.00	0.00	0.00	0.80	0.20	0.00	0.00	0.00	0.35	2.54	0.11
Final Sat.:	1600	1600	0	0	1283	317	0	0	0	560	4060	180
Capacity Analysis Module:												
Vol/Sat:	0.04	0.10	0.00	0.00	0.20	0.20	0.00	0.00	0.00	0.12	0.34	0.34
Crit Moves:	****				****						****	

Long Beach West Gateway
Existing 2003
PM Peak Hour

Scenario Report

Scenario:	Existing PM
Command:	Existing PM
Volume:	Existing PM
Geometry:	Existing
Impact Fee:	Default Impact Fee
Trip Generation:	Default Trip Generation
Trip Distribution:	Default Trip Distribution
Paths:	Default Paths
Routes:	Default Routes
Configuration:	Default Configuration

Long Beach West Gateway
Existing 2003
PM Peak Hour

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 1 4th St & Golden Ave	A	7.0	0.043	A	7.0	0.043	+ 0.000 V/C
# 2 3rd St & Golden Ave	A	xxxxx	0.283	A	xxxxx	0.283	+ 0.000 V/C
# 4 Ocean Blvd & Golden Shore Ave	C	xxxxx	0.778	C	xxxxx	0.778	+ 0.000 V/C
# 5 4th St & Maine Ave	A	7.2	0.074	A	7.2	0.074	+ 0.000 V/C
# 6 3rd St & Maine Ave	C	20.0	0.000	C	20.0	0.000	+ 0.000 D/V
# 7 Broadway & Maine Ave	E	37.5	0.000	E	37.5	0.000	+ 0.000 D/V
# 8 4th St & Daisy Ave	A	7.6	0.100	A	7.6	0.100	+ 0.000 V/C
# 9 3rd St & Daisy Ave	B	14.8	0.000	B	14.8	0.000	+ 0.000 D/V
# 10 Broadway & Daisy Ave	A	xxxxx	0.237	A	xxxxx	0.237	+ 0.000 V/C
# 11 6th St & Magnolia Ave	A	xxxxx	0.576	A	xxxxx	0.576	+ 0.000 V/C
# 12 5th St & Magnolia Ave	C	16.5	0.000	C	16.5	0.000	+ 0.000 D/V
# 13 4th St & Magnolia Ave	A	xxxxx	0.398	A	xxxxx	0.398	+ 0.000 V/C
# 14 3rd St & Magnolia Ave	A	xxxxx	0.409	A	xxxxx	0.409	+ 0.000 V/C
# 15 Broadway & Magnolia Ave	A	xxxxx	0.385	A	xxxxx	0.385	+ 0.000 V/C
# 16 Ocean Blvd & Magnolia Ave	B	xxxxx	0.645	B	xxxxx	0.645	+ 0.000 V/C
# 17 4th St & Chestnut Ave	B	11.4	0.000	B	11.4	0.000	+ 0.000 D/V
# 18 3rd St & Chestnut Ave	A	xxxxx	0.270	A	xxxxx	0.270	+ 0.000 V/C
# 19 Broadway & Chestnut Ave	A	xxxxx	0.424	A	xxxxx	0.424	+ 0.000 V/C
# 20 4th St & Cedar Ave	A	xxxxx	0.180	A	xxxxx	0.180	+ 0.000 V/C
# 21 3rd St & Cedar Ave	A	xxxxx	0.254	A	xxxxx	0.254	+ 0.000 V/C
# 22 Broadway & Cedar Ave	A	xxxxx	0.364	A	xxxxx	0.364	+ 0.000 V/C
# 23 7th St & Pacific Ave	A	xxxxx	0.496	A	xxxxx	0.496	+ 0.000 V/C
# 24 6th St & Pacific Ave	B	xxxxx	0.691	B	xxxxx	0.691	+ 0.000 V/C

Long Beach West Gateway
Existing 2003
PM Peak Hour

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 25 4th St & Pacific Ave	A	xxxxx	0.440	A	xxxxx	0.440	+ 0.000 V/C
# 26 3rd St & Pacific Ave	A	xxxxx	0.451	A	xxxxx	0.451	+ 0.000 V/C
# 27 Broadway & Pacific Ave	B	xxxxx	0.677	B	xxxxx	0.677	+ 0.000 V/C
# 28 Ocean Blvd & Pacific Ave	A	xxxxx	0.584	A	xxxxx	0.584	+ 0.000 V/C
# 29 4th St & Pine Ave	A	xxxxx	0.333	A	xxxxx	0.333	+ 0.000 V/C
# 30 3rd St & Pine Ave	A	xxxxx	0.362	A	xxxxx	0.362	+ 0.000 V/C
# 31 Broadway & Pine Ave	A	xxxxx	0.591	A	xxxxx	0.591	+ 0.000 V/C
# 32 Ocean Blvd & Pine Ave	B	xxxxx	0.667	B	xxxxx	0.667	+ 0.000 V/C
# 33 3rd St & Long Beach Blvd	A	xxxxx	0.522	A	xxxxx	0.522	+ 0.000 V/C
# 34 Broadway & Long Beach Blvd	A	xxxxx	0.432	A	xxxxx	0.432	+ 0.000 V/C
# 35 Ocean Blvd & Long Beach Blvd	B	xxxxx	0.663	B	xxxxx	0.663	+ 0.000 V/C
# 36 Ocean Blvd & Shoreline Ave	D	xxxxx	0.899	D	xxxxx	0.899	+ 0.000 V/C
# 37 7th St & Magnolia Ave	A	xxxxx	0.441	A	xxxxx	0.441	+ 0.000 V/C

Long Beach West Gateway
Existing 2003
PM Peak Hour

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

Intersection #1 4th St & Golden Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.043
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.0
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 0	0 1	0	0 0	1! 0	0	0 1	0 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 5:00												
Base Vol:	0	14	12	11	22	2	1	3	0	11	2	13
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	14	12	11	22	2	1	3	0	11	2	13
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	0	15	13	12	24	2	1	3	0	12	2	14
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	15	13	12	24	2	1	3	0	12	2	14
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	15	13	12	24	2	1	3	0	12	2	14
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	0.54	0.46	0.31	0.63	0.06	0.25	0.75	0.00	0.42	0.08	0.50
Final Sat.:	0	516	442	279	558	51	216	647	0	392	71	464
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.03	0.03	0.04	0.04	0.04	0.01	0.01	xxxx	0.03	0.03	0.03
Crit Moves:		****				****		****		****		
Delay/Veh:	0.0	6.8	6.8	7.2	7.2	7.2	7.1	7.1	0.0	6.9	6.9	6.9
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:	0.0	6.8	6.8	7.2	7.2	7.2	7.1	7.1	0.0	6.9	6.9	6.9
LOS by Move:	*	A	A	A	A	A	A	A	*	A	A	A
ApproachDel:		6.8			7.2			7.1			6.9	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		6.8			7.2			7.1			6.9	
LOS by Appr:		A			A			A			A	

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #2 3rd St & Golden Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.283
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	20	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
Lanes:	0 1	0 0	0	0 0	0 1	0	0 0	0 0	0	1 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:15												
Base Vol:	5	6	0	0	1	18	0	0	0	3	746	28
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:	5	6	0	0	1	18	0	0	0	3	746	28
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	6	7	0	0	1	20	0	0	0	3	821	31
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	7	0	0	1	20	0	0	0	3	821	31
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	6	7	0	0	1	20	0	0	0	3	821	31
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:	0.45	0.55	0.00	0.00	0.05	0.95	0.00	0.00	0.00	1.00	1.93	0.07
Final Sat.:	727	873	0	0	84	1516	0	0	0	1600	3084	116
Capacity Analysis Module:												
Vol/Sat:	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.27	0.27
Crit Moves:	****				****						****	

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #4 Ocean Blvd & Golden Shore Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.778
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	180	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			Prot+Permit			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	1 0	1 1	0	1 0	2 1	0	1 0	2 1	1
Volume Module: >> Count Date: 4 Nov 2003 << 4:45												
Base Vol:	177	551	132	11	7	1	113	1653	54	149	951	482
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:	177	551	132	11	7	1	113	1653	54	149	951	482
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	195	607	145	12	8	1	124	1820	59	164	1047	531
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	195	607	145	12	8	1	124	1820	59	164	1047	531
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	195	607	145	12	8	1	124	1820	59	164	1047	531
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	1.00	1.00	1.00	1.75	0.25	1.00	2.91	0.09	1.00	2.65	1.35
Final Sat.:	1600	1600	1600	1600	2800	400	1600	4648	152	1600	4247	2153
Capacity Analysis Module:												
Vol/Sat:	0.12	0.38	0.09	0.01	0.00	0.00	0.08	0.39	0.39	0.10	0.25	0.25
Crit Moves:		****		****				****				

Long Beach West Gateway
Existing 2003
PM Peak Hour

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

Intersection #5 4th St & Maine Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.074
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.2
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 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:15												
Base Vol:	12	17	19	7	8	3	2	19	5	10	35	15
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:	12	17	19	7	8	3	2	19	5	10	35	15
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	13	19	21	8	9	3	2	21	6	11	39	17
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	13	19	21	8	9	3	2	21	6	11	39	17
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	13	19	21	8	9	3	2	21	6	11	39	17
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:	0.25	0.35	0.40	0.39	0.44	0.17	0.08	0.73	0.19	0.17	0.58	0.25
Final Sat.:	224	318	355	332	380	142	68	644	169	149	521	223
Capacity Analysis Module:												
Vol/Sat:	0.06	0.06	0.06	0.02	0.02	0.02	0.03	0.03	0.03	0.07	0.07	0.07
Crit Moves:	****			****				****			****	
Delay/Veh:	7.2	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.1	7.3	7.3	7.3
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:	7.2	7.2	7.2	7.2	7.2	7.2	7.1	7.1	7.1	7.3	7.3	7.3
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	7.2			7.2			7.1			7.3		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	7.2			7.2			7.1			7.3		
LOS by Appr:	A			A			A			A		

Long Beach West Gateway
Existing 2003
PM Peak Hour

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

Intersection #6 3rd St & Maine Ave

Average Delay (sec/veh): 3.8 Worst Case Level Of Service: C[20.0]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Stop Sign			Stop Sign			Uncontrolled			Uncontrolled		
Rights:	Include			Include			Include			Include		
Lanes:	0 1 0 0 0			0 0 0 1 0			0 0 0 0 0			1 0 1 1 0		
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	78	49	0	0	19	16	0	0	0	39	665	31
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:	78	49	0	0	19	16	0	0	0	39	665	31
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	85	53	0	0	21	17	0	0	0	42	720	34
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	85	53	0	0	21	17	0	0	0	42	720	34
Critical Gap Module:												
Critical Gp:	7.1	6.5	xxxxx	xxxxx	6.5	6.2	xxxxx	xxxx	xxxxx	4.1	xxxx	xxxxx
FollowUpTim:	3.5	4.0	xxxxx	xxxxx	4.0	3.3	xxxxx	xxxx	xxxxx	2.2	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	455	839	xxxxx	xxxx	822	377	xxxx	xxxx	xxxxx	0	xxxx	xxxxx
Potent Cap.:	519	304	xxxxx	xxxx	311	674	xxxx	xxxx	xxxxx	900	xxxx	xxxxx
Move Cap.:	462	290	xxxxx	xxxx	297	674	xxxx	xxxx	xxxxx	900	xxxx	xxxxx
Volume/Cap:	0.18	0.18	xxxx	xxxx	0.07	0.03	xxxx	xxxx	xxxx	0.05	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.1	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	9.2	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	A	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	376	xxxx	xxxxx	xxxx	xxxx	399	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	1.6	xxxx	xxxxx	xxxxx	xxxx	0.3	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	20.0	xxxx	xxxxx	xxxxx	xxxx	15.0	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	C	*	*	*	*	B	*	*	*	*	*	*
ApproachDel:	20.0			15.0			xxxxxx			xxxxxx		
ApproachLOS:	C			B			*			*		

Long Beach West Gateway
Existing 2003
PM Peak Hour

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

Intersection #7 Broadway & Maine Ave

Average Delay (sec/veh): 4.9 Worst Case Level Of Service: E[37.5]

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					Yield Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	1	0	0	1	0	0	0	1	0	2	1	0	0	0	0	0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:45																				
Base Vol:	0	52	124			13	10		0		30	1257		45		0	0		0	
Growth Adj:	1.00	1.00	1.00			1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
Initial Bse:	0	52	124			13	10		0		30	1257		45		0	0		0	
User Adj:	1.00	1.00	1.00			1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Adj:	0.94	0.94	0.94			0.94	0.94		0.94		0.94	0.94		0.94		0.94	0.94		0.94	
PHF Volume:	0	56	132			14	11		0		32	1343		48		0	0		0	
Reduct Vol:	0	0	0			0	0		0		0	0		0		0	0		0	
Final Vol.:	0	56	132			14	11		0		32	1343		48		0	0		0	
Critical Gap Module:																				
Critical Gp:	xxxxx	6.5	6.2			7.1	6.5		xxxxx		4.1	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
FollowUpTim:	xxxxx	4.0	3.3			3.5	4.0		xxxxx		2.2	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Capacity Module:																				
Cnflict Vol:	xxxx	1431	472			540	1455		xxxxx		0	xxxx		xxxxx		xxxx	xxxx		xxxxx	
Potent Cap.:	xxxx	136	596			456	131		xxxxx		900	xxxx		xxxxx		xxxx	xxxx		xxxxx	
Move Cap.:	xxxx	131	596			231	127		xxxxx		900	xxxx		xxxxx		xxxx	xxxx		xxxxx	
Volume/Cap:	xxxx	0.42	0.22			0.06	0.08		xxxx		0.04	xxxx		xxxx		xxxx	xxxx		xxxx	
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx			xxxxx	xxxx		xxxxx		0.1	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Stopped Del:	xxxxx	xxxx	xxxxx			xxxxx	xxxx		xxxxx		9.1	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
LOS by Move:	*	*	*			*	*		*		A	*		*		*	*		*	
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	291			170	xxxx		xxxxx		xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx	
SharedQueue:	xxxxx	xxxx	4.2			0.5	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Shrd StpDel:	xxxxx	xxxx	37.5			29.7	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Shared LOS:	*	*	E			D	*		*		*	*		*		*	*		*	
ApproachDel:	37.5					29.7					xxxxxx					xxxxxx				
ApproachLOS:	E					D					*					*				

Long Beach West Gateway
Existing 2003
PM Peak Hour

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

Intersection #8 4th St & Daisy Ave

Cycle (sec):	100	Critical Vol./Cap. (X):	0.100
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	7.6
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 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 5:00												
Base Vol:	6	19	22	12	33	25	14	57	2	9	48	10
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	6	19	22	12	33	25	14	57	2	9	48	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
PHF Volume:	7	21	25	13	37	28	16	64	2	10	54	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	21	25	13	37	28	16	64	2	10	54	11
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	7	21	25	13	37	28	16	64	2	10	54	11
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:	0.13	0.40	0.47	0.17	0.47	0.36	0.19	0.78	0.03	0.13	0.72	0.15
Final Sat.:	109	345	399	145	399	302	157	639	22	112	597	124
Capacity Analysis Module:												
Vol/Sat:	0.06	0.06	0.06	0.09	0.09	0.09	0.10	0.10	0.10	0.09	0.09	0.09
Crit Moves:		****		****				****		****		
Delay/Veh:	7.3	7.3	7.3	7.5	7.5	7.5	7.7	7.7	7.7	7.6	7.6	7.6
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	7.3	7.3	7.3	7.5	7.5	7.5	7.7	7.7	7.7	7.6	7.6	7.6
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	7.3			7.5			7.7			7.6		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	7.3			7.5			7.7			7.6		
LOS by Appr:	A			A			A			A		

Long Beach West Gateway
Existing 2003
PM Peak Hour

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

Intersection #9 3rd St & Daisy Ave

Average Delay (sec/veh): 1.8 Worst Case Level Of Service: B[14.8]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Stop Sign			Stop Sign			Uncontrolled			Uncontrolled		
Rights:	Include			Include			Include			Include		
Lanes:	0 1 0 0 0			0 0 0 1 0			0 0 0 0 0			0 1 1 1 0		
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	26	15	0	0	19	33	0	0	0	19	688	26
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	26	15	0	0	19	33	0	0	0	19	688	26
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
PHF Volume:	30	17	0	0	22	38	0	0	0	22	790	30
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	30	17	0	0	22	38	0	0	0	22	790	30
Critical Gap Module:												
Critical Gp:	7.1	6.5	xxxxx	xxxxx	6.5	6.2	xxxxx	xxxx	xxxxx	4.1	xxxx	xxxxx
FollowUpTim:	3.5	4.0	xxxxx	xxxxx	4.0	3.3	xxxxx	xxxx	xxxxx	2.2	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	318	863	xxxxx	xxxx	848	278	xxxx	xxxx	xxxxx	0	xxxx	xxxxx
Potent Cap.:	639	294	xxxxx	xxxx	300	765	xxxx	xxxx	xxxxx	900	xxxx	xxxxx
Move Cap.:	562	287	xxxxx	xxxx	293	765	xxxx	xxxx	xxxxx	900	xxxx	xxxxx
Volume/Cap:	0.05	0.06	xxxx	xxxx	0.07	0.05	xxxx	xxxx	xxxx	0.02	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.1	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	9.1	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	*	*	*	A	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	416	xxxx	xxxxx	xxxx	xxxx	482	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	0.4	xxxx	xxxxx	xxxxx	xxxx	0.4	xxxxx	xxxx	xxxxx	0.1	xxxx	xxxxx
Shrd StpDel:	14.8	xxxx	xxxxx	xxxxx	xxxx	13.5	xxxxx	xxxx	xxxxx	9.1	xxxx	xxxxx
Shared LOS:	B	*	*	*	*	B	*	*	*	A	*	*
ApproachDel:	14.8			13.5			xxxxxx			xxxxxx		
ApproachLOS:	B			B			*			*		

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #10 Broadway & Daisy Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.237
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	19	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
Lanes:	0 0	0 1	0	1 0	0 0	0	0 1	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:00												
Base Vol:	0	8	46	29	0	0	18	1064	3	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	8	46	29	0	0	18	1064	3	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	0	9	49	31	0	0	19	1140	3	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	9	49	31	0	0	19	1140	3	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	9	49	31	0	0	19	1140	3	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	0.15	0.85	1.00	0.00	0.00	0.07	3.92	0.01	0.00	0.00	0.00
Final Sat.:	0	237	1363	1600	0	0	106	6276	18	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.04	0.04	0.02	0.00	0.00	0.01	0.18	0.18	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #11 6th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.576
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	0 0	0 1	0	1 0	1 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	0	351	44	47	282	0	43	1280	38	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	351	44	47	282	0	43	1280	38	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	0	361	45	48	290	0	44	1317	39	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	361	45	48	290	0	44	1317	39	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	361	45	48	290	0	44	1317	39	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	0.89	0.11	1.00	1.00	0.00	0.09	2.83	0.08	0.00	0.00	0.00
Final Sat.:	0	1422	178	1600	1600	0	152	4514	134	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.25	0.25	0.03	0.18	0.00	0.03	0.29	0.29	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Existing 2003
PM Peak Hour

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

Intersection #12 5th St & Magnolia Ave

Average Delay (sec/veh): 2.1 Worst Case Level Of Service: C[16.5]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L - T - R			L - T - R			L - T - R			L - T - R		
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	1 0 0 1 0			1 0 0 1 0			0 0 1! 0 0			0 0 1! 0 0		
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	15	384	13	33	243	27	10	10	11	4	12	37
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:	15	384	13	33	243	27	10	10	11	4	12	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:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	17	427	14	37	270	30	11	11	12	4	13	41
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	17	427	14	37	270	30	11	11	12	4	13	41
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx	7.1	6.5	6.2	7.1	6.5	6.2
FollowUpTim:	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx	3.5	4.0	3.3	3.5	4.0	3.3
Capacity Module:												
Cnflict Vol:	300	xxxx	xxxxx	441	xxxx	xxxxx	853	833	285	837	841	434
Potent Cap.:	1273	xxxx	xxxxx	1130	xxxx	xxxxx	281	307	759	288	304	626
Move Cap.:	1273	xxxx	xxxxx	1130	xxxx	xxxxx	245	293	759	266	290	626
Volume/Cap:	0.01	xxxx	xxxx	0.03	xxxx	xxxx	0.05	0.04	0.02	0.02	0.05	0.07
Level Of Service Module:												
Queue:	0.0	xxxx	xxxxx	0.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	7.9	xxxx	xxxxx	8.3	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	A	*	*	A	*	*	*	*	*	*	*	*
Movement:	LT - LTR - RT			LT - LTR - RT			LT - LTR - RT			LT - LTR - RT		
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	347	xxxxx	xxxx	459	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.3	xxxxx	xxxxx	0.4	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	16.5	xxxxx	xxxxx	14.0	xxxxx
Shared LOS:	*	*	*	*	*	*	*	C	*	*	B	*
ApproachDel:	xxxxxx			xxxxxx			16.5			14.0		
ApproachLOS:	*			*			C			B		

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #13 4th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.398
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	24	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
Lanes:	1 0	0 1	0	1 0	0 1	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:15												
Base Vol:	6	396	35	35	229	28	25	47	23	17	35	30
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:	6	396	35	35	229	28	25	47	23	17	35	30
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	7	440	39	39	255	31	28	52	26	19	39	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	440	39	39	255	31	28	52	26	19	39	33
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	7	440	39	39	255	31	28	52	26	19	39	33
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	0.92	0.08	1.00	0.89	0.11	0.26	0.50	0.24	0.21	0.43	0.36
Final Sat.:	1600	1470	130	1600	1426	174	421	792	387	332	683	585
Capacity Analysis Module:												
Vol/Sat:	0.00	0.30	0.30	0.02	0.18	0.18	0.02	0.07	0.07	0.01	0.06	0.06
Crit Moves:		****		****			****				****	

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #14 3rd St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.409
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	24	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
Lanes:	1 0	1 0	0	0 0	1 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	78	333	0	0	231	54	0	0	0	77	602	88
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:	78	333	0	0	231	54	0	0	0	77	602	88
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	87	370	0	0	257	60	0	0	0	86	670	98
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	87	370	0	0	257	60	0	0	0	86	670	98
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	87	370	0	0	257	60	0	0	0	86	670	98
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	1.00	0.00	0.00	1.62	0.38	0.00	0.00	0.00	0.30	2.36	0.34
Final Sat.:	1600	1600	0	0	2594	606	0	0	0	482	3767	551
Capacity Analysis Module:												
Vol/Sat:	0.05	0.23	0.00	0.00	0.10	0.10	0.00	0.00	0.00	0.05	0.18	0.18
Crit Moves:		****		****							****	

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #15 Broadway & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.385
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	23	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
Lanes:	0 0	1 1	0	0 1	1 0	0	0 1	2 0	1	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:00												
Base Vol:	0	353	106	49	228	0	57	892	182	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	353	106	49	228	0	57	892	182	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	0	365	110	51	236	0	59	923	188	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	365	110	51	236	0	59	923	188	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	365	110	51	236	0	59	923	188	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	1.54	0.46	0.35	1.65	0.00	0.18	2.82	1.00	0.00	0.00	0.00
Final Sat.:	0	2461	739	566	2634	0	288	4512	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.15	0.15	0.03	0.09	0.00	0.04	0.20	0.12	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #16 Ocean Blvd & Magnolia Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.645
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	1 0 2 0 1			1 0 2 0 1			1 0 2 1 0			1 0 3 0 1		
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	82	64	73	200	47	299	110	1594	30	68	1284	90
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:	82	64	73	200	47	299	110	1594	30	68	1284	90
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	86	67	76	209	49	312	115	1662	31	71	1339	94
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	86	67	76	209	49	312	115	1662	31	71	1339	94
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	86	67	76	209	49	312	115	1662	31	71	1339	94
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	1.00	1.00	2.00	1.00	1.00	2.94	0.06	1.00	3.00	1.00
Final Sat.:	1600	3200	1600	1600	3200	1600	1600	4711	89	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.05	0.02	0.05	0.13	0.02	0.19	0.07	0.35	0.35	0.04	0.28	0.06
Crit Moves:	****					****		****		****		

Long Beach West Gateway
Existing 2003
PM Peak Hour

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

Intersection #17 4th St & Chestnut Ave

Average Delay (sec/veh): 3.5 Worst Case Level Of Service: B[11.4]

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Stop Sign						Stop Sign						Uncontrolled						Uncontrolled					
Rights:	Include						Include						Include						Include					
Lanes:	0	0	1!	0	0		0	0	1!	0	0		0	0	1!	0	0		0	0	1!	0	0	
Volume Module: >> Count Date: 4 Nov 2003 << 4:15																								
Base Vol:	10		45		31		8		9		7		10		155		11		14		94		10	
Growth Adj:	1.00	1.00		1.00		1.00		1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00
Initial Bse:	10		45		31		8		9		7		10		155		11		14		94		10	
User Adj:	1.00	1.00		1.00		1.00		1.00		1.00		1.00	1.00	1.00		1.00		1.00	1.00	1.00		1.00		1.00
PHF Adj:	0.91	0.91		0.91		0.91		0.91		0.91		0.91	0.91	0.91		0.91		0.91	0.91	0.91		0.91		0.91
PHF Volume:	11		49		34		9		10		8		11		170		12		15		103		11	
Reduct Vol:	0		0		0		0		0		0		0		0		0		0		0		0	
Final Vol.:	11		49		34		9		10		8		11		170		12		15		103		11	
Critical Gap Module:																								
Critical Gp:	7.1		6.5		6.2		7.1		6.5		6.2		4.1	xxxx	xxxxx				4.1	xxxx	xxxxx			
FollowUpTim:	3.5		4.0		3.3		3.5		4.0		3.3		2.2	xxxx	xxxxx				2.2	xxxx	xxxxx			
Capacity Module:																								
Cnflict Vol:	347		343		176		380		344		109		114	xxxx	xxxxx				182	xxxx	xxxxx			
Potent Cap.:	612		582		872		582		582		950		1487	xxxx	xxxxx				1405	xxxx	xxxxx			
Move Cap.:	590		572		872		515		571		950		1487	xxxx	xxxxx				1405	xxxx	xxxxx			
Volume/Cap:	0.02	0.09		0.04		0.02	0.02		0.01		0.01	xxxx		xxxx				0.01	xxxx		xxxx			
Level Of Service Module:																								
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx							0.0	xxxx	xxxxx				0.0	xxxx	xxxxx			
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx							7.4	xxxx	xxxxx				7.6	xxxx	xxxxx			
LOS by Move:	*		*		*		*		*		*		A		*		*		A		*		*	
Movement:	LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT	
Shared Cap.:	xxxx		655	xxxxx			xxxx		621	xxxxx			xxxx	xxxx	xxxxx				xxxx	xxxx	xxxxx			
SharedQueue:	xxxxx		0.5	xxxxx			xxxxx		0.1	xxxxx			xxxxx	xxxx	xxxxx				xxxxx	xxxx	xxxxx			
Shrd StpDel:	xxxxx		11.4	xxxxx			xxxxx		11.1	xxxxx			xxxxx	xxxx	xxxxx				xxxxx	xxxx	xxxxx			
Shared LOS:	*		B		*		*		B		*		*		*		*		*		*		*	
ApproachDel:			11.4						11.1						xxxxxx						xxxxxx			
ApproachLOS:			B						B						*						*			

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #18 3rd St & Chestnut Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.270
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	20	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	93	54	0	0	17	26	0	0	0	82	676	47
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:	93	54	0	0	17	26	0	0	0	82	676	47
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	99	58	0	0	18	28	0	0	0	88	723	50
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	99	58	0	0	18	28	0	0	0	88	723	50
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	99	58	0	0	18	28	0	0	0	88	723	50
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	1.00	0.00	0.00	0.40	0.60	0.00	0.00	0.00	0.31	2.52	0.17
Final Sat.:	1600	1600	0	0	633	967	0	0	0	489	4031	280
Capacity Analysis Module:												
Vol/Sat:	0.06	0.04	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.05	0.18	0.18
Crit Moves:	****				****						****	

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #19 Broadway & Chestnut Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.424
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	32	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			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 1			1 1 0 0 0			0 1 1 1 0			0 0 0 0 0		
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	0	114	140	141	27	0	25	1216	4	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	114	140	141	27	0	25	1216	4	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	124	152	153	29	0	27	1319	4	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	124	152	153	29	0	27	1319	4	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	124	152	153	29	0	27	1319	4	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	0.90	1.10	1.68	0.32	0.00	0.06	2.93	0.01	0.00	0.00	0.00
Final Sat.:	0	1436	1764	2686	514	0	96	4688	15	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.09	0.09	0.06	0.06	0.00	0.02	0.28	0.28	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #20 4th St & Cedar Ave

Cycle (sec):	50	Critical Vol./Cap. (X):	0.180
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	18	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
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	8	59	19	13	28	13	13	147	7	9	88	28
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:	8	59	19	13	28	13	13	147	7	9	88	28
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	8	62	20	14	29	14	14	154	7	9	92	29
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	62	20	14	29	14	14	154	7	9	92	29
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	62	20	14	29	14	14	154	7	9	92	29
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:	0.09	0.69	0.22	0.24	0.52	0.24	0.08	0.88	0.04	0.07	0.71	0.22
Final Sat.:	149	1098	353	385	830	385	125	1408	67	115	1126	358
Capacity Analysis Module:												
Vol/Sat:	0.01	0.06	0.06	0.01	0.04	0.04	0.01	0.11	0.11	0.01	0.08	0.08
Crit Moves:		****		****				****		****		

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #21 3rd St & Cedar Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.254
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	19	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	64	42	0	0	29	30	0	0	0	42	683	56
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	64	42	0	0	29	30	0	0	0	42	683	56
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	68	45	0	0	31	32	0	0	0	45	725	59
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	68	45	0	0	31	32	0	0	0	45	725	59
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	68	45	0	0	31	32	0	0	0	45	725	59
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	1.00	0.00	0.00	0.49	0.51	0.00	0.00	0.00	0.16	2.62	0.22
Final Sat.:	1600	1600	0	0	786	814	0	0	0	258	4198	344
Capacity Analysis Module:												
Vol/Sat:	0.04	0.03	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.03	0.17	0.17
Crit Moves:	****				****						****	

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #22 Broadway & Cedar Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.364
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	36	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 1			1 1 0 0 0			0 1 1 1 0			0 0 0 0 0		
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	0	58	125	33	2	0	28	1304	0	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	58	125	33	2	0	28	1304	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	61	132	35	2	0	29	1373	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	61	132	35	2	0	29	1373	0	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	61	132	35	2	0	29	1373	0	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	0.63	1.37	1.89	0.11	0.00	0.06	2.94	0.00	0.00	0.00	0.00
Final Sat.:	0	1014	2186	3017	183	0	101	4699	0	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.06	0.06	0.01	0.01	0.00	0.29	0.29	0.00	0.00	0.00	0.00
Crit Moves:			****		****			****				

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #23 7th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.496
Loss Time (sec):	10 (Y+R = 4 sec)	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:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	1 1	0	0 0	0 0	0	1 0	3 0	1
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	56	463	0	0	321	50	0	0	0	110	859	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:	56	463	0	0	321	50	0	0	0	110	859	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:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	62	509	0	0	353	55	0	0	0	121	944	118
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	62	509	0	0	353	55	0	0	0	121	944	118
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	62	509	0	0	353	55	0	0	0	121	944	118
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	1.73	0.27	0.00	0.00	0.00	1.00	3.00	1.00
Final Sat.:	1600	3200	0	0	2769	431	0	0	0	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.04	0.16	0.00	0.00	0.13	0.13	0.00	0.00	0.00	0.08	0.20	0.07
Crit Moves:	****				****						****	

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #24 6th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.691
Loss Time (sec):	10 (Y+R = 4 sec)	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			Prot+Permit			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1 1	0	1 0	2 0	0	1 0	3 0	1	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	0	491	155	98	314	0	46	1308	37	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	491	155	98	314	0	46	1308	37	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	0	511	161	102	327	0	48	1363	39	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	511	161	102	327	0	48	1363	39	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	511	161	102	327	0	48	1363	39	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	1.52	0.48	1.00	2.00	0.00	1.00	3.00	1.00	0.00	0.00	0.00
Final Sat.:	0	2432	768	1600	3200	0	1600	4800	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.21	0.21	0.06	0.10	0.00	0.03	0.28	0.02	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #25 4th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.440
Loss Time (sec):	10 (Y+R = 4 sec)	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:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 1	0	0 1	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 5:00												
Base Vol:	14	624	36	3	230	9	67	67	15	18	43	16
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:	14	624	36	3	230	9	67	67	15	18	43	16
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	15	671	39	3	247	10	72	72	16	19	46	17
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	15	671	39	3	247	10	72	72	16	19	46	17
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	15	671	39	3	247	10	72	72	16	19	46	17
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	1.89	0.11	0.02	1.91	0.07	1.00	0.82	0.18	1.00	0.73	0.27
Final Sat.:	1600	3025	175	40	3041	119	1600	1307	293	1600	1166	434
Capacity Analysis Module:												
Vol/Sat:	0.01	0.22	0.22	0.00	0.08	0.08	0.05	0.06	0.06	0.01	0.04	0.04
Crit Moves:		****					****				****	

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #26 3rd St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.451
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	29	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Protected			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	1 0	2 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	99	409	0	0	216	56	0	0	0	143	635	144
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:	99	409	0	0	216	56	0	0	0	143	635	144
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	108	446	0	0	236	61	0	0	0	156	692	157
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	108	446	0	0	236	61	0	0	0	156	692	157
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	108	446	0	0	236	61	0	0	0	156	692	157
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	2.00	1.00	0.00	0.00	0.00	1.00	2.45	0.55
Final Sat.:	1600	3200	0	0	3200	1600	0	0	0	1600	3913	887
Capacity Analysis Module:												
Vol/Sat:	0.07	0.14	0.00	0.00	0.07	0.04	0.00	0.00	0.00	0.10	0.18	0.18
Crit Moves:	****				****						****	

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #27 Broadway & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.677
Loss Time (sec):	10 (Y+R = 4 sec)	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			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	2 0	1	1 0	2 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	0	432	221	118	178	0	88	1298	88	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	432	221	118	178	0	88	1298	88	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	472	242	129	195	0	96	1419	96	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	472	242	129	195	0	96	1419	96	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	472	242	129	195	0	96	1419	96	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	2.00	1.00	1.00	2.00	0.00	1.00	2.81	0.19	0.00	0.00	0.00
Final Sat.:	0	3200	1600	1600	3200	0	1600	4495	305	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.15	0.15	0.08	0.06	0.00	0.06	0.32	0.32	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #28 Ocean Blvd & Pacific Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.584
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	45	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			Prot+Permit			Prot+Permit		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1! 0	0	1 1	0 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	14	9	20	156	1	196	171	1840	18	28	1168	120
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:	14	9	20	156	1	196	171	1840	18	28	1168	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:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	15	10	22	170	1	214	186	2007	20	31	1274	131
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	15	10	22	170	1	214	186	2007	20	31	1274	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
Final Vol.:	15	10	22	170	1	214	186	2007	20	31	1274	131
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:	0.33	0.21	0.46	1.99	0.01	1.00	1.00	2.97	0.03	1.00	3.00	1.00
Final Sat.:	521	335	744	3180	20	1600	1600	4753	47	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.01	0.03	0.03	0.05	0.05	0.13	0.12	0.42	0.42	0.02	0.27	0.08
Crit Moves:	****					****		****		****		

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #29 4th St & Pine Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.333
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	22	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
Lanes:	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 6 Nov 2003 << 5:00												
Base Vol:	16	232	62	39	113	17	19	106	17	15	78	36
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	16	232	62	39	113	17	19	106	17	15	78	36
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
PHF Volume:	18	262	70	44	128	19	21	120	19	17	88	41
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	18	262	70	44	128	19	21	120	19	17	88	41
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	18	262	70	44	128	19	21	120	19	17	88	41
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	0.79	0.21	1.00	0.87	0.13	1.00	0.86	0.14	1.00	0.68	0.32
Final Sat.:	1600	1263	337	1600	1391	209	1600	1379	221	1600	1095	505
Capacity Analysis Module:												
Vol/Sat:	0.01	0.21	0.21	0.03	0.09	0.09	0.01	0.09	0.09	0.01	0.08	0.08
Crit Moves:		****		****				****		****		

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #30 3rd St & Pine Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.362
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	23	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
Lanes:	1 0	1 0	0	0 0	1 0	1	0 0	0 0	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	71	188	0	0	193	51	0	0	0	91	791	133
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:	71	188	0	0	193	51	0	0	0	91	791	133
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	78	207	0	0	212	56	0	0	0	100	869	146
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	78	207	0	0	212	56	0	0	0	100	869	146
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	78	207	0	0	212	56	0	0	0	100	869	146
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	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00	3.00	1.00
Final Sat.:	1600	1600	0	0	1600	1600	0	0	0	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.05	0.13	0.00	0.00	0.13	0.04	0.00	0.00	0.00	0.06	0.18	0.09
Crit Moves:	****				****						****	

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #31 Broadway & Pine Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.591
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	0 0	0 1	0	1 0	1 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	0	185	119	66	103	0	40	1458	83	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	185	119	66	103	0	40	1458	83	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	0	198	127	71	110	0	43	1559	89	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	198	127	71	110	0	43	1559	89	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	198	127	71	110	0	43	1559	89	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	0.61	0.39	1.00	1.00	0.00	1.00	2.84	0.16	0.00	0.00	0.00
Final Sat.:	0	974	626	1600	1600	0	1600	4541	259	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.20	0.20	0.04	0.07	0.00	0.03	0.34	0.34	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #32 Ocean Blvd & Pine Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.667
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	43	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	0 1	0 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	98	84	108	137	65	132	79	1885	92	56	1124	131
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	98	84	108	137	65	132	79	1885	92	56	1124	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:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	103	88	114	144	68	139	83	1982	97	59	1182	138
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	103	88	114	144	68	139	83	1982	97	59	1182	138
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	103	88	114	144	68	139	83	1982	97	59	1182	138
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	1.00	1.00	0.68	0.32	1.00	1.00	2.86	0.14	1.00	3.00	1.00
Final Sat.:	1600	1600	1600	1085	515	1600	1600	4577	223	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.06	0.06	0.07	0.09	0.13	0.09	0.05	0.43	0.43	0.04	0.25	0.09
Crit Moves:	****				****			****		****		

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #33 3rd St & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.522
Loss Time (sec):	10 (Y+R = 4 sec)	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:	Protected			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	0 1	2 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 4:00												
Base Vol:	157	471	0	0	412	169	0	0	0	88	588	168
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:	157	471	0	0	412	169	0	0	0	88	588	168
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	166	497	0	0	435	178	0	0	0	93	621	177
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	166	497	0	0	435	178	0	0	0	93	621	177
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	166	497	0	0	435	178	0	0	0	93	621	177
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	2.00	1.00	0.00	0.00	0.00	0.39	2.61	1.00
Final Sat.:	1600	3200	0	0	3200	1600	0	0	0	625	4175	1600
Capacity Analysis Module:												
Vol/Sat:	0.10	0.16	0.00	0.00	0.14	0.11	0.00	0.00	0.00	0.06	0.15	0.11
Crit Moves:	****				****						****	

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #34 Broadway & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.432
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	32	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			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	2 0	1	2 0	2 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	0	235	55	89	424	0	67	504	183	0	0	0
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	235	55	89	424	0	67	504	183	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	255	60	96	459	0	73	546	198	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	255	60	96	459	0	73	546	198	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	255	60	96	459	0	73	546	198	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	2.00	1.00	2.00	2.00	0.00	1.00	2.20	0.80	0.00	0.00	0.00
Final Sat.:	0	3200	1600	3200	3200	0	1600	3521	1279	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.08	0.04	0.03	0.14	0.00	0.05	0.16	0.16	0.00	0.00	0.00
Crit Moves:					****			****				

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #35 Ocean Blvd & Long Beach Blvd

Cycle (sec):	90	Critical Vol./Cap. (X):	0.663
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	55	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Protected			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 0	0	1 0	1! 0	1	1 0	3 0	0	0 0	3 0	1
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	0	0	0	128	0	247	192	1664	0	0	853	102
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	0	0	0	128	0	247	192	1664	0	0	853	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:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	0	0	0	141	0	272	211	1831	0	0	938	112
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	141	0	272	211	1831	0	0	938	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
Final Vol.:	0	0	0	141	0	272	211	1831	0	0	938	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:	0.00	0.00	0.00	1.02	xxxx	1.98	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	1638	0	3162	1600	4800	0	0	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.09	0.00	0.09	0.13	0.38	0.00	0.00	0.20	0.07
Crit Moves:				****				****			****	

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #36 Ocean Blvd & Shoreline Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.899
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	180	Level Of Service:	D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	3 0	1	1 0	2 1	0	1 0	2 1	0	2 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:45												
Base Vol:	53	622	550	92	93	141	310	1669	30	154	834	59
Growth Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Initial Bse:	53	622	550	92	93	141	310	1669	30	154	834	59
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	55	640	566	95	96	145	319	1717	31	158	858	61
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	55	640	566	95	96	145	319	1717	31	158	858	61
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	55	640	566	95	96	145	319	1717	31	158	858	61
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	3.00	1.00	1.00	2.00	1.00	1.00	2.95	0.05	2.00	1.87	0.13
Final Sat.:	1600	4800	1600	1600	3200	1600	1600	4715	85	3200	2989	211
Capacity Analysis Module:												
Vol/Sat:	0.03	0.13	0.35	0.06	0.03	0.09	0.20	0.36	0.36	0.05	0.29	0.29
Crit Moves:			****	****			****				****	

Long Beach West Gateway
Existing 2003
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Base Volume Alternative)

Intersection #37 7th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.441
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	26	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 6 Nov 2003 << 5:00												
Base Vol:	77	275	0	0	284	46	0	0	0	77	612	90
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:	77	275	0	0	284	46	0	0	0	77	612	90
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	82	291	0	0	301	49	0	0	0	82	648	95
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	82	291	0	0	301	49	0	0	0	82	648	95
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	82	291	0	0	301	49	0	0	0	82	648	95
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	1.00	0.00	0.00	0.86	0.14	0.00	0.00	0.00	0.29	2.36	0.35
Final Sat.:	1600	1600	0	0	1377	223	0	0	0	474	3771	555
Capacity Analysis Module:												
Vol/Sat:	0.05	0.18	0.00	0.00	0.22	0.22	0.00	0.00	0.00	0.05	0.17	0.17
Crit Moves:	****				****						****	

CAPACITY ANALYSES

YEAR 2007 – NO-BUILD

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Scenario Report

Scenario:	2007 AM Peak
Command:	2007 AM Peak
Volume:	2007 AM Peak
Geometry:	Existing
Impact Fee:	Default Impact Fee
Trip Generation:	Default Trip Generation
Trip Distribution:	Default Trip Distribution
Paths:	Default Paths
Routes:	Default Routes
Configuration:	Default Configuration

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Trip Generation Report

Forecast for 2007 AM Peak

Zone #	Subzone	Amount	Units	Rate In	Rate Out	Trips In	Trips Out	Total Trips	% Of Total
1	100 E. Ocean	1.00	Apartments	14.00	57.00	14	57	71	4.4
	Zone 1 Subtotal					14	57	71	4.4
2	Promenade -	1.00	Apartments - O	15.00	40.00	15	40	55	3.4
2	Promenade -	1.00	Apartments - G	12.00	27.00	12	27	39	2.4
	Zone 2 Subtotal					27	67	94	5.8
3	Ocean Villas	1.00	Apartments	52.00	209.00	52	209	261	16.1
	Zone 3 Subtotal					52	209	261	16.1
4	Insurance Ex	1.00	Condos & Shopp	9.00	10.00	9	10	19	1.2
	Zone 4 Subtotal					9	10	19	1.2
5	Broadway Lof	1.00	Condos & Shopp	15.00	30.00	15	30	45	2.8
	Zone 5 Subtotal					15	30	45	2.8
6	Promenade -	1.00	Apartments - L	22.00	49.00	22	49	71	4.4
	Zone 6 Subtotal					22	49	71	4.4
7	City Place -	1.00	Shopping Cente	4.00	14.00	4	14	18	1.1
	Zone 7 Subtotal					4	14	18	1.1
8	PCS Apartmen	1.00	Apartments	4.00	17.00	4	17	21	1.3
	Zone 8 Subtotal					4	17	21	1.3
9	City Place L	1.00	Apartments	7.00	27.00	7	27	34	2.1
	Zone 9 Subtotal					7	27	34	2.1
10	4th Street L	1.00	Apartments	7.00	15.00	7	15	22	1.4
	Zone 10 Subtotal					7	15	22	1.4
11	The Pike	1.00	Restaurant	12.00	11.00	12	11	23	1.4
11	The Pike	1.00	Shopping Cente	99.00	63.00	99	63	162	10.0
	Zone 11 Subtotal					111	74	185	11.4
15	Newberry's	1.00	Apartments	3.00	11.00	3	11	14	0.9
	Zone 15 Subtotal					3	11	14	0.9
16	D'Orsay Emba	1.00	Hotel	57.00	24.00	57	24	81	5.0
	Zone 16 Subtotal					57	24	81	5.0
17	Project - Br	1.00	Elementary Sch	137.00	95.00	137	95	232	14.3
	Zone 17 Subtotal					137	95	232	14.3

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Zone #	Subzone	Amount	Units	Rate In	Rate Out	Trips In	Trips Out	Total Trips	% Of Total
18	World Trade	1.00	Condo Units &	63.00	170.00	63	170	233	14.3
	Zone 18 Subtotal					63	170	233	14.3
25	Cedar Court	1.00	Apartments	8.00	18.00	8	18	26	1.6
25	Cedar Court	1.00	Retail Stores	3.00	2.00	3	2	5	0.3
25	Cedar Court	1.00	Pedestrian	-3.00	-2.00	-3	-2	-5	-0.3
	Zone 25 Subtotal					8	18	26	1.6
26	Cedar Court	1.00	Office Parking	194.00	26.00	194	26	220	13.5
26	Cedar Court	1.00	Transit	-19.00	-3.00	-19	-3	-22	-1.4
	Zone 26 Subtotal					175	23	198	12.2
TOTAL						715	910	1625	100.0

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Trip Distribution Report

Percent Of Trips AM Peak

Zone	To Gates 1	2	3	6	8	10	11	14	15	20	41
1	16.0	32.0	0.0	32.0	14.0	6.0	13.0	0.0	0.0	9.0	10.0
2	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
3	16.0	32.0	0.0	32.0	14.0	6.0	13.0	0.0	0.0	9.0	10.0
4	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
5	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
6	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
7	15.0	22.0	42.0	0.0	13.0	6.0	8.0	20.0	0.0	6.0	10.0
8	15.0	22.0	42.0	0.0	13.0	6.0	8.0	20.0	0.0	6.0	10.0
9	13.0	23.0	30.0	0.0	11.0	8.0	10.0	18.0	11.0	7.0	10.0
10	13.0	23.0	30.0	0.0	11.0	8.0	10.0	18.0	11.0	7.0	10.0
11	13.0	6.0	0.0	6.0	31.0	3.0	5.0	0.0	0.0	5.0	4.0
15	13.0	23.0	30.0	0.0	11.0	8.0	10.0	18.0	11.0	7.0	10.0
16	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
17	15.0	26.0	40.0	0.0	14.0	7.0	10.0	14.0	0.0	7.0	7.0
18	15.0	37.0	37.0	0.0	14.0	7.0	10.0	0.0	0.0	10.0	7.0
25	15.0	34.0	34.0	0.0	5.0	5.0	10.0	8.0	8.0	8.0	15.0
26	15.0	34.0	34.0	0.0	5.0	5.0	10.0	8.0	8.0	8.0	15.0

Zone	To Gates 42
1	0.0
2	0.0
3	0.0
4	0.0
5	0.0
6	0.0
7	0.0
8	0.0
9	0.0
10	0.0
11	33.0
15	0.0
16	0.0
17	0.0
18	0.0
25	0.0
26	0.0

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Turning Movement Report
2007 AM Peak

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#1 4th St & Golden Ave													
Base	0	0	5	2	10	1	0	0	2	27	0	7	55
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	5	2	10	1	0	0	2	27	0	7	55
#2 3rd St & Golden Ave													
Base	2	2	0	0	6	33	0	0	0	10	1060	32	1146
Added	0	0	0	0	0	0	0	0	0	19	173	0	192
Total	2	2	0	0	6	33	0	0	0	29	1233	32	1338
#3 Broadway & Golden Shore Ave													
Base	0	0	0	174	0	0	0	1374	0	0	0	0	1548
Added	0	0	0	19	0	0	0	258	0	0	0	0	277
Total	0	0	0	193	0	0	0	1632	0	0	0	0	1825
#4 Ocean Blvd & Golden Shore Ave													
Base	8	33	80	4	90	40	105	752	82	173	1633	598	3598
Added	0	0	0	0	0	0	30	75	0	0	137	152	394
Total	8	33	80	4	90	40	135	827	82	173	1770	750	3992
#5 4th St & Maine Ave													
Base	0	16	10	4	12	2	1	23	9	18	16	8	120
Added	0	0	0	0	19	0	0	0	0	0	0	0	19
Total	0	16	10	4	31	2	1	23	9	18	16	8	139
#6 3rd St & Maine Ave													
Base	23	12	0	0	10	23	0	0	0	73	1063	24	1228
Added	101	0	0	0	19	0	0	0	0	42	91	0	253
Total	124	12	0	0	29	23	0	0	0	115	1154	24	1481
#7 Broadway & Maine Ave													
Base	0	8	29	16	52	0	9	1335	203	0	0	0	1653
Added	0	0	0	29	0	0	120	274	0	0	0	0	423
Total	0	8	29	45	52	0	129	1609	203	0	0	0	2076
#8 4th St & Daisy Ave													
Base	1	11	11	6	18	2	2	45	2	11	25	10	146
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	1	11	11	6	18	2	2	45	2	11	25	10	146
#9 3rd St & Daisy Ave													
Base	16	15	0	0	16	26	0	0	0	38	1111	23	1244
Added	0	0	0	0	0	0	0	0	0	0	133	0	133
Total	16	15	0	0	16	26	0	0	0	38	1244	23	1377

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#10 Broadway & Daisy Ave													
Base	0	1	7	29	20	0	22	1392	26	0	0	0	1496
Added	0	0	0	0	0	0	0	303	0	0	0	0	303
Total	0	1	7	29	20	0	22	1695	26	0	0	0	1799
#11 6th St & Magnolia Ave													
Base	0	196	53	63	467	0	74	412	35	0	0	0	1300
Added	0	51	0	2	83	0	0	11	7	0	0	0	154
Total	0	247	53	65	550	0	74	423	42	0	0	0	1454
#12 5th St & Magnolia Ave													
Base	5	232	3	8	494	23	3	1	17	8	2	6	803
Added	0	51	0	0	90	0	0	0	0	0	0	1	142
Total	5	283	3	8	584	23	3	1	17	8	2	7	945
#13 4th St & Magnolia Ave													
Base	4	101	20	17	460	9	10	24	14	18	20	14	709
Added	0	51	0	0	90	0	0	0	0	0	0	0	141
Total	4	152	20	17	550	9	10	24	14	18	20	14	850
#14 3rd St & Magnolia Ave													
Base	84	163	0	0	539	69	0	0	0	248	1037	71	2210
Added	0	37	0	0	31	59	0	0	0	1	75	14	217
Total	84	200	0	0	570	128	0	0	0	249	1112	85	2427
#15 Broadway & Magnolia Ave													
Base	0	69	141	25	565	0	13	1003	412	0	0	0	2227
Added	0	18	26	24	9	0	19	197	87	0	0	0	380
Total	0	87	167	49	574	0	32	1200	499	0	0	0	2607
#16 Ocean Blvd & Magnolia Ave													
Base	21	22	24	198	157	296	128	762	26	139	1784	265	3822
Added	0	0	0	54	0	41	26	49	0	0	248	18	436
Total	21	22	24	252	157	337	154	811	26	139	2032	283	4258
#17 4th St & Chestnut Ave													
Base	9	27	24	6	36	8	6	64	14	8	37	6	248
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	9	27	24	6	36	8	6	64	14	8	37	6	248
#18 3rd St & Chestnut Ave													
Base	27	29	0	0	29	48	0	0	0	146	1303	21	1603
Added	0	0	0	0	0	0	0	0	0	0	90	0	90
Total	27	29	0	0	29	48	0	0	0	146	1393	21	1693

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#19 Broadway & Chestnut Ave													
Base	0	32	46	96	23	0	36	930	23	0	0	0	1186
Added	0	0	0	0	0	0	0	247	0	0	0	0	247
Total	0	32	46	96	23	0	36	1177	23	0	0	0	1433
#20 4th St & Cedar Ave													
Base	2	27	15	9	34	4	7	60	6	6	62	19	253
Added	0	4	0	0	16	0	0	0	0	0	0	0	20
Total	2	31	15	9	50	4	7	60	6	6	62	19	273
#21 3rd St & Cedar Ave													
Base	35	16	0	0	25	73	0	0	0	203	1379	45	1775
Added	10	4	0	0	16	0	0	0	0	58	79	0	167
Total	45	20	0	0	41	73	0	0	0	261	1458	45	1942
#22 Broadway & Cedar Ave													
Base	0	1	3	128	9	0	16	814	222	0	0	0	1193
Added	0	0	0	9	0	0	102	146	0	0	0	0	257
Total	0	1	3	137	9	0	118	960	222	0	0	0	1450
#23 7th St & Pacific Ave													
Base	46	187	0	0	406	58	0	0	0	187	1385	105	2374
Added	2	46	0	0	24	19	0	0	0	9	44	2	146
Total	48	233	0	0	430	77	0	0	0	196	1429	107	2520
#24 6th St & Pacific Ave													
Base	0	173	99	85	421	0	29	622	22	0	0	0	1451
Added	0	48	0	1	31	0	1	6	1	0	0	0	88
Total	0	221	99	86	452	0	30	628	23	0	0	0	1539
#25 4th St & Pacific Ave													
Base	9	156	18	1	483	8	11	30	35	16	66	8	841
Added	0	47	0	0	32	0	0	0	0	0	0	0	79
Total	9	203	18	1	515	8	11	30	35	16	66	8	920
#26 3rd St & Pacific Ave													
Base	59	113	0	0	337	123	0	0	0	59	1468	34	2194
Added	16	37	0	0	16	17	0	0	0	6	108	10	210
Total	75	150	0	0	353	140	0	0	0	65	1576	44	2404
#27 Broadway & Pacific Ave													
Base	0	168	51	82	396	0	24	731	197	0	0	0	1649
Added	0	27	5	18	15	0	17	124	13	0	0	0	219
Total	0	195	56	100	411	0	41	855	210	0	0	0	1868

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#28 Ocean Blvd & Pacific Ave													
Base	7	2	6	101	3	298	213	699	22	31	1816	190	3389
Added	0	0	0	18	0	10	7	97	0	0	260	25	417
Total	7	2	6	119	3	308	220	796	22	31	2076	215	3806
#29 4th St & Pine Ave													
Base	6	113	24	19	157	21	12	47	15	11	66	19	510
Added	0	48	0	0	27	0	0	0	0	0	0	0	75
Total	6	161	24	19	184	21	12	47	15	11	66	19	585
#30 3rd St & Pine Ave													
Base	53	100	0	0	131	63	0	0	0	74	1505	57	1983
Added	8	37	0	0	24	3	0	0	0	24	113	11	220
Total	61	137	0	0	155	66	0	0	0	98	1618	68	2203
#31 Broadway & Pine Ave													
Base	0	107	42	52	184	0	28	738	102	0	0	0	1253
Added	0	31	21	23	16	0	28	111	1	0	0	0	231
Total	0	138	63	75	200	0	56	849	103	0	0	0	1484
#32 Ocean Blvd & Pine Ave													
Base	43	43	34	38	40	86	69	697	89	45	1968	148	3299
Added	47	5	25	9	4	5	15	79	21	14	233	32	489
Total	90	48	59	47	44	91	84	776	110	59	2201	180	3788
#33 3rd St & Long Beach Blvd													
Base	71	245	0	0	414	182	0	0	0	86	1430	135	2564
Added	64	69	0	0	16	34	0	0	0	0	32	0	215
Total	135	314	0	0	430	216	0	0	0	86	1462	135	2779
#34 Broadway & Long Beach Blvd													
Base	0	391	67	201	295	0	210	1370	86	0	0	0	2620
Added	0	34	0	0	16	0	100	45	82	0	0	0	277
Total	0	425	67	201	311	0	310	1415	168	0	0	0	2897
#35 Ocean Blvd & Long Beach Blvd													
Base	0	0	0	46	0	255	137	506	0	0	2001	104	3049
Added	0	0	0	31	0	67	11	102	0	0	212	23	446
Total	0	0	0	77	0	322	148	608	0	0	2213	127	3495
#36 Ocean Blvd & Shoreline Ave													
Base	27	75	130	51	282	314	111	449	14	443	1836	57	3789
Added	0	2	16	2	3	12	28	117	0	24	77	1	282
Total	27	77	146	53	285	326	139	566	14	467	1913	58	4071

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#37 7th St & Magnolia Ave													
Base	59	156	0	0	257	63	0	0	0	191	1386	61	2175
Added	0	51	0	0	40	0	0	0	0	45	9	4	149
Total	59	207	0	0	297	63	0	0	0	236	1395	65	2324
#41 6th Street and Cedar Ave													
Base	0	72	40	12	59	0	18	880	16	0	0	0	1096
Added	0	2	2	0	9	0	0	6	7	0	0	0	26
Total	0	74	42	12	68	0	18	886	23	0	0	0	1122
#43 5th Street & Cedar Ave													
Base	3	52	9	6	53	14	4	29	2	1	28	22	224
Added	0	4	0	0	16	0	0	0	0	0	1	0	21
Total	3	56	9	6	69	14	4	29	2	1	29	22	245

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 1 4th St & Golden Ave	A	7.1	0.058	A	7.1	0.058	+ 0.000 V/C
# 2 3rd St & Golden Ave	A	xxxxx	0.460	A	xxxxx	0.527	+ 0.068 V/C
# 4 Ocean Blvd & Golden Shore Ave	A	xxxxx	0.485	A	xxxxx	0.553	+ 0.067 V/C
# 5 4th St & Maine Ave	A	7.1	0.059	A	7.2	0.060	+ 0.001 V/C
# 6 3rd St & Maine Ave	C	22.8	0.000	F	56.7	0.000	+33.946 D/V
# 7 Broadway & Maine Ave	F	78.5	0.000	F	525.4	0.000	+446.959 D/V
# 8 4th St & Daisy Ave	A	7.2	0.065	A	7.2	0.065	+ 0.000 V/C
# 9 3rd St & Daisy Ave	D	30.9	0.000	E	38.7	0.000	+ 7.887 D/V
# 10 Broadway & Daisy Ave	A	xxxxx	0.259	A	xxxxx	0.308	+ 0.049 V/C
# 11 6th St & Magnolia Ave	A	xxxxx	0.421	A	xxxxx	0.480	+ 0.059 V/C
# 12 5th St & Magnolia Ave	B	14.5	0.000	C	16.3	0.000	+ 1.785 D/V
# 13 4th St & Magnolia Ave	A	xxxxx	0.368	A	xxxxx	0.430	+ 0.062 V/C
# 14 3rd St & Magnolia Ave	B	xxxxx	0.609	B	xxxxx	0.663	+ 0.054 V/C
# 15 Broadway & Magnolia Ave	A	xxxxx	0.466	A	xxxxx	0.534	+ 0.068 V/C
# 16 Ocean Blvd & Magnolia Ave	B	xxxxx	0.683	C	xxxxx	0.782	+ 0.098 V/C
# 17 4th St & Chestnut Ave	B	10.2	0.000	B	10.2	0.000	+ 0.000 D/V
# 18 3rd St & Chestnut Ave	A	xxxxx	0.431	A	xxxxx	0.452	+ 0.022 V/C
# 19 Broadway & Chestnut Ave	A	xxxxx	0.276	A	xxxxx	0.329	+ 0.053 V/C
# 20 4th St & Cedar Ave	A	xxxxx	0.111	A	xxxxx	0.114	+ 0.003 V/C
# 21 3rd St & Cedar Ave	A	xxxxx	0.490	A	xxxxx	0.542	+ 0.052 V/C
# 22 Broadway & Cedar Ave	A	xxxxx	0.278	A	xxxxx	0.336	+ 0.058 V/C
# 23 7th St & Pacific Ave	B	xxxxx	0.635	B	xxxxx	0.660	+ 0.026 V/C
# 24 6th St & Pacific Ave	A	xxxxx	0.417	A	xxxxx	0.434	+ 0.018 V/C

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 25 4th St & Pacific Ave	A	xxxxx	0.387	A	xxxxx	0.399	+ 0.012 V/C
# 26 3rd St & Pacific Ave	B	xxxxx	0.659	C	xxxxx	0.705	+ 0.046 V/C
# 27 Broadway & Pacific Ave	A	xxxxx	0.477	A	xxxxx	0.508	+ 0.031 V/C
# 28 Ocean Blvd & Pacific Ave	C	xxxxx	0.740	D	xxxxx	0.808	+ 0.068 V/C
# 29 4th St & Pine Ave	A	xxxxx	0.225	A	xxxxx	0.241	+ 0.016 V/C
# 30 3rd St & Pine Ave	A	xxxxx	0.469	A	xxxxx	0.517	+ 0.048 V/C
# 31 Broadway & Pine Ave	A	xxxxx	0.328	A	xxxxx	0.405	+ 0.077 V/C
# 32 Ocean Blvd & Pine Ave	A	xxxxx	0.564	B	xxxxx	0.660	+ 0.095 V/C
# 33 3rd St & Long Beach Blvd	B	xxxxx	0.686	C	xxxxx	0.745	+ 0.058 V/C
# 34 Broadway & Long Beach Blvd	B	xxxxx	0.659	B	xxxxx	0.699	+ 0.040 V/C
# 35 Ocean Blvd & Long Beach Blvd	B	xxxxx	0.617	B	xxxxx	0.694	+ 0.076 V/C
# 36 Ocean Blvd & Shoreline Ave	E	xxxxx	0.902	E	xxxxx	0.953	+ 0.051 V/C
# 37 7th St & Magnolia Ave	B	xxxxx	0.608	B	xxxxx	0.647	+ 0.039 V/C

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

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

Intersection #1 4th St & Golden Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.058
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.1
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 0	0 0	1	0 0	1! 0	0	0 0	0 0	1	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:30												
Base Vol:	0	0	5	2	10	1	0	0	2	26	0	7
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	0	5	2	10	1	0	0	2	27	0	7
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	5	2	10	1	0	0	2	27	0	7
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
PHF Volume:	0	0	8	3	16	2	0	0	3	41	0	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	8	3	16	2	0	0	3	41	0	11
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	8	3	16	2	0	0	3	41	0	11
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	0.00	1.00	0.15	0.77	0.08	0.00	0.00	1.00	0.79	0.00	0.21
Final Sat.:	0	0	1033	137	683	68	0	0	1048	706	0	190
Capacity Analysis Module:												
Vol/Sat:	xxxx	xxxx	0.01	0.02	0.02	0.02	xxxx	xxxx	0.00	0.06	xxxx	0.06
Crit Moves:			****		****				****			****
Delay/Veh:	0.0	0.0	6.5	7.1	7.1	7.1	0.0	0.0	6.4	7.2	0.0	7.2
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:	0.0	0.0	6.5	7.1	7.1	7.1	0.0	0.0	6.4	7.2	0.0	7.2
LOS by Move:	*	*	A	A	A	A	*	*	A	A	*	A
ApproachDel:	6.5			7.1			6.4			7.2		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	6.5			7.1			6.4			7.2		
LOS by Appr:	A			A			A			A		

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #2 3rd St & Golden Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.527
Loss Time (sec): 0 (Y+R = 4 sec) 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
Lanes:	0 1	0 0	0	0 0	0 1	0	0 0	0 0	0	1 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	2	2	0	0	6	32	0	0	0	10	1019	31
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	2	2	0	0	6	33	0	0	0	10	1060	32
Added Vol:	0	0	0	0	0	0	0	0	0	19	173	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	2	2	0	0	6	33	0	0	0	29	1233	32
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	3	3	0	0	8	42	0	0	0	37	1543	40
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	3	0	0	8	42	0	0	0	37	1543	40
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	3	3	0	0	8	42	0	0	0	37	1543	40
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:	0.50	0.50	0.00	0.00	0.16	0.84	0.00	0.00	0.00	1.00	1.95	0.05
Final Sat.:	800	800	0	0	253	1347	0	0	0	1600	3118	82
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.02	0.49	0.49
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 Ocean Blvd & Golden Shore Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.553
Loss Time (sec): 0 (Y+R = 4 sec) 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			Prot+Permit			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	1 0	1 1	0	1 0	2 1	0	1 0	2 1	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:15												
Base Vol:	8	32	77	4	87	38	101	723	79	166	1570	575
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	8	33	80	4	90	40	105	752	82	173	1633	598
Added Vol:	0	0	0	0	0	0	30	75	0	0	137	152
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	8	33	80	4	90	40	135	827	82	173	1770	750
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	9	35	84	4	95	42	142	872	87	182	1867	791
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	35	84	4	95	42	142	872	87	182	1867	791
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	9	35	84	4	95	42	142	872	87	182	1867	791
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	1.00	1.00	1.00	1.39	0.61	1.00	2.73	0.27	1.00	2.81	1.19
Final Sat.:	1600	1600	1600	1600	2227	973	1600	4366	434	1600	4495	1905
Capacity Analysis Module:												
Vol/Sat:	0.01	0.02	0.05	0.00	0.04	0.04	0.09	0.20	0.20	0.11	0.42	0.42
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

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

Intersection #5 4th St & Maine Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.060
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.2
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 0	0 1	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	0	15	10	4	12	2	1	22	9	17	15	8
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	16	10	4	12	2	1	23	9	18	16	8
Added Vol:	0	0	0	0	19	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	16	10	4	31	2	1	23	9	18	16	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	0	20	13	5	39	3	1	29	12	22	20	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	20	13	5	39	3	1	29	12	22	20	10
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	20	13	5	39	3	1	29	12	22	20	10
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	0.60	0.40	0.11	0.83	0.06	0.03	0.69	0.28	0.42	0.38	0.20
Final Sat.:	0	541	361	94	715	47	28	614	251	369	326	174
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.04	0.04	0.06	0.06	0.06	0.05	0.05	0.05	0.06	0.06	0.06
Crit Moves:			****	****				****			****	
Delay/Veh:	0.0	7.0	7.0	7.3	7.3	7.3	7.1	7.1	7.1	7.3	7.3	7.3
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	7.0	7.0	7.3	7.3	7.3	7.1	7.1	7.1	7.3	7.3	7.3
LOS by Move:	*	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:		7.0			7.3			7.1			7.3	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		7.0			7.3			7.1			7.3	
LOS by Appr:		A			A			A			A	

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

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

Intersection #6 3rd St & Maine Ave

Average Delay (sec/veh): 7.1 Worst Case Level Of Service: F[56.7]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L -	T -	R			L -	T -	R			L -	T -	R			L -	T -	R		
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:15																				
Base Vol:	22	12	0		0	10	22		0		0	0		0		70	1022		23	
Growth Adj:	1.04	1.04	1.04		1.04	1.04	1.04		1.04		1.04	1.04		1.04		1.04	1.04		1.04	
Initial Bse:	23	12	0		0	10	23		0		0	0		0		73	1063		24	
Added Vol:	101	0	0		0	19	0		0		0	0		0		42	91		0	
PasserByVol:	0	0	0		0	0	0		0		0	0		0		0	0		0	
Initial Fut:	124	12	0		0	29	23		0		0	0		0		115	1154		24	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
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		1.00	
PHF Volume:	124	12	0		0	29	23		0		0	0		0		115	1154		24	
Reduct Vol:	0	0	0		0	0	0		0		0	0		0		0	0		0	
Final Vol.:	124	12	0		0	29	23		0		0	0		0		115	1154		24	
Critical Gap Module:																				
Critical Gp:	7.1	6.5	xxxxx	xxxxx		6.5	6.2	xxxxx	xxxx	xxxxx						4.1	xxxx	xxxxx		
FollowUpTim:	3.5	4.0	xxxxx	xxxxx		4.0	3.3	xxxxx	xxxx	xxxxx						2.2	xxxx	xxxxx		
Capacity Module:																				
Cnflict Vol:	821	1407	xxxxx	xxxx		1395	589	xxxx	xxxx	xxxxx						0	xxxx	xxxxx		
Potent Cap.:	296	140	xxxxx	xxxx		143	512	xxxx	xxxx	xxxxx						900	xxxx	xxxxx		
Move Cap.:	209	122	xxxxx	xxxx		124	512	xxxx	xxxx	xxxxx						900	xxxx	xxxxx		
Volume/Cap:	0.59	0.10	xxxx	xxxx		0.24	0.04	xxxx	xxxx	xxxx						0.13	xxxx	xxxx		
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx						0.4	xxxx	xxxxx		
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx						9.6	xxxx	xxxxx		
LOS by Move:	*	*	*	*		*	*	*	*	*						A	*	*		
Movement:	LT -	LTR -	RT	LT -		LTR -	RT	LT -	LTR -	RT						LT -	LTR -	RT		
Shared Cap.:	196	xxxx	xxxxx	xxxx		xxxx	186	xxxx	xxxx	xxxxx						xxxx	xxxx	xxxxx		
SharedQueue:	4.3	xxxx	xxxxx	xxxxx		xxxx	1.1	xxxxx	xxxx	xxxxx						xxxxx	xxxx	xxxxx		
Shrd StpDel:	56.7	xxxx	xxxxx	xxxxx		xxxx	31.7	xxxxx	xxxx	xxxxx						xxxxx	xxxx	xxxxx		
Shared LOS:	F	*	*	*		*	D	*	*	*						*	*	*		
ApproachDel:		56.7				31.7			xxxxxx								xxxxxx			
ApproachLOS:		F				D			*								*			

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

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

Intersection #7 Broadway & Maine Ave

Average Delay (sec/veh): 25.8 Worst Case Level Of Service: F[525.4]

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					Yield Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	1	0	0	1	0	0	0	1	0	2	1	0	0	0	0	0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45																				
Base Vol:	0		8		28	15		50		0	9		1284		195	0		0		0
Growth Adj:	1.04	1.04		1.04		1.04	1.04		1.04		1.04	1.04		1.04		1.04	1.04		1.04	
Initial Bse:	0		8		29	16		52		0	9		1335		203	0		0		0
Added Vol:	0		0		0	29		0		0	120		274		0	0		0		0
PasserByVol:	0		0		0	0		0		0	0		0		0	0		0		0
Initial Fut:	0		8		29	45		52		0	129		1609		203	0		0		0
User Adj:	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Adj:	0.93	0.93		0.93		0.93	0.93		0.93		0.93	0.93		0.93		0.93	0.93		0.93	
PHF Volume:	0		9		31	48		56		0	139		1734		219	0		0		0
Reduct Vol:	0		0		0	0		0		0	0		0		0	0		0		0
Final Vol.:	0		9		31	48		56		0	139		1734		219	0		0		0
Critical Gap Module:																				
Critical Gp:	xxxxx		6.5		6.2	7.1		6.5		xxxxx	4.1		xxxx		xxxxx	xxxxx		xxxx		xxxxx
FollowUpTim:	xxxxx		4.0		3.3	3.5		4.0		xxxxx	2.2		xxxx		xxxxx	xxxxx		xxxx		xxxxx
Capacity Module:																				
Cnflict Vol:	xxxx		2122		687	861		2232		xxxxx	0		xxxx		xxxxx	xxxx		xxxx		xxxxx
Potent Cap.:	xxxx		51		450	278		43		xxxxx	900		xxxx		xxxxx	xxxx		xxxx		xxxxx
Move Cap.:	xxxx		43		450	192		37		xxxxx	900		xxxx		xxxxx	xxxx		xxxx		xxxxx
Volume/Cap:	xxxx	0.21		0.07		0.25	1.53			xxxx	0.15		xxxx		xxxx	xxxx		xxxx		xxxx
Level Of Service Module:																				
Queue:	xxxxx		xxxx		xxxxx	xxxxx		xxxx		xxxxx	0.5		xxxx		xxxxx	xxxxx		xxxx		xxxxx
Stopped Del:	xxxxx		xxxx		xxxxx	xxxxx		xxxx		xxxxx	9.7		xxxx		xxxxx	xxxxx		xxxx		xxxxx
LOS by Move:	*		*		*	*		*		*	A		*		*	*		*		*
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx		xxxx		145	58		xxxx		xxxxx	xxxx		xxxx		xxxxx	xxxx		xxxx		xxxxx
SharedQueue:	xxxxx		xxxx		1.1	9.7		xxxx		xxxxx	xxxxx		xxxx		xxxxx	xxxxx		xxxx		xxxxx
Shrd StpDel:	xxxxx		xxxx		39.2	525.4		xxxx		xxxxx	xxxxx		xxxx		xxxxx	xxxxx		xxxx		xxxxx
Shared LOS:	*		*		E	F		*		*	*		*		*	*		*		*
ApproachDel:	39.2					525.4					xxxxxx					xxxxxx				
ApproachLOS:	E					F					*					*				

Long Beach West Gateway
Year 2007 without Project
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Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #8 4th St & Daisy Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.065
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.2
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 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:00												
Base Vol:	1	11	11	6	17	2	2	43	2	11	24	10
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	1	11	11	6	18	2	2	45	2	11	25	10
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:	1	11	11	6	18	2	2	45	2	11	25	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
PHF Volume:	1	13	13	7	21	2	2	52	2	13	29	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	13	13	7	21	2	2	52	2	13	29	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	1	13	13	7	21	2	2	52	2	13	29	12
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:	0.04	0.48	0.48	0.24	0.68	0.08	0.04	0.92	0.04	0.24	0.54	0.22
Final Sat.:	39	431	431	203	574	68	37	801	37	217	474	198
Capacity Analysis Module:												
Vol/Sat:	0.03	0.03	0.03	0.04	0.04	0.04	0.07	0.07	0.07	0.06	0.06	0.06
Crit Moves:		****			****			****			****	
Delay/Veh:	7.0	7.0	7.0	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.2
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:	7.0	7.0	7.0	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.2
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:		7.0			7.3			7.3			7.2	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		7.0			7.3			7.3			7.2	
LOS by Appr:		A			A			A			A	

Long Beach West Gateway
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Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #9 3rd St & Daisy Ave

Average Delay (sec/veh): 2.0 Worst Case Level Of Service: E[38.7]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:15																				
Base Vol:	15	14	0		0	15	25	0		0	0		0		0	37	1068		22	
Growth Adj:	1.04	1.04	1.04		1.04	1.04	1.04	1.04		1.04	1.04		1.04		1.04	1.04	1.04		1.04	
Initial Bse:	16	15	0		0	16	26	0		0	0		0		0	38	1111		23	
Added Vol:	0	0	0		0	0	0	0		0	0		0		0	0	133		0	
PasserByVol:	0	0	0		0	0	0	0		0	0		0		0	0	0		0	
Initial Fut:	16	15	0		0	16	26	0		0	0		0		0	38	1244		23	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00	1.00		1.00	1.00		1.00		1.00	1.00	1.00		1.00	
PHF Adj:	0.80	0.80	0.80		0.80	0.80	0.80	0.80		0.80	0.80		0.80		0.80	0.80	0.80		0.80	
PHF Volume:	19	18	0		0	19	32	0		0	0		0		0	48	1547		28	
Reduct Vol:	0	0	0		0	0	0	0		0	0		0		0	0	0		0	
Final Vol.:	19	18	0		0	19	32	0		0	0		0		0	48	1547		28	
Critical Gap Module:																				
Critical Gp:	7.1	6.5	xxxxx	xxxxx		6.5	6.2	xxxxx	xxxx	xxxxx						4.1	xxxx	xxxxx		
FollowUpTim:	3.5	4.0	xxxxx	xxxxx		4.0	3.3	xxxxx	xxxx	xxxxx						2.2	xxxx	xxxxx		
Capacity Module:																				
Cnflict Vol:	621	1671	xxxxx	xxxx		1657	530	xxxx	xxxx	xxxxx						0	xxxx	xxxxx		
Potent Cap.:	403	97	xxxxx	xxxx		99	553	xxxx	xxxx	xxxxx						900	xxxx	xxxxx		
Move Cap.:	305	92	xxxxx	xxxx		93	553	xxxx	xxxx	xxxxx						900	xxxx	xxxxx		
Volume/Cap:	0.06	0.20	xxxx	xxxx		0.21	0.06	xxxx	xxxx	xxxx						0.05	xxxx	xxxx		
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx						0.2	xxxx	xxxxx		
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx						9.2	xxxx	xxxxx		
LOS by Move:	*	*	*	*		*	*	*	*	*						A	*	*		
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	144	xxxx	xxxxx	xxxx		xxxx	194	xxxx	xxxx	xxxxx						xxxx	xxxx	xxxxx		
SharedQueue:	1.0	xxxx	xxxxx	xxxxx		xxxx	1.0	xxxxx	xxxx	xxxxx						0.2	xxxx	xxxxx		
Shrd StpDel:	38.7	xxxx	xxxxx	xxxxx		xxxx	30.1	xxxxx	xxxx	xxxxx						9.2	xxxx	xxxxx		
Shared LOS:	E	*	*	*		*	D	*	*	*						A	*	*		
ApproachDel:		38.7				30.1		xxxxxx								xxxxxx				
ApproachLOS:		E				D		*								*				

Long Beach West Gateway
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AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #10 Broadway & Daisy Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.308
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 21 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
Lanes:	0 0	0 1	0	0 1	0 0	0	0 1	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	0	1	7	28	19	0	21	1355	25	0	0	0
Growth Adj:	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
Initial Bse:	0	1	7	29	20	0	22	1392	26	0	0	0
Added Vol:	0	0	0	0	0	0	0	303	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	1	7	29	20	0	22	1695	26	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	0	1	8	30	20	0	23	1769	27	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1	8	30	20	0	23	1769	27	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	1	8	30	20	0	23	1769	27	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	0.12	0.88	0.60	0.40	0.00	0.05	3.89	0.06	0.00	0.00	0.00
Final Sat.:	0	200	1400	953	647	0	79	6226	94	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.01	0.01	0.02	0.03	0.00	0.01	0.28	0.28	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #11 6th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.480
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	28	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
Lanes:	0 0	0 1	0	1 0	1 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 7:30												
Base Vol:	0	188	51	61	449	0	71	396	34	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	196	53	63	467	0	74	412	35	0	0	0
Added Vol:	0	51	0	2	83	0	0	11	7	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	247	53	65	550	0	74	423	42	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	259	56	69	579	0	78	445	45	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	259	56	69	579	0	78	445	45	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	259	56	69	579	0	78	445	45	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	0.82	0.18	1.00	1.00	0.00	0.41	2.35	0.24	0.00	0.00	0.00
Final Sat.:	0	1317	283	1600	1600	0	658	3765	377	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.20	0.20	0.04	0.36	0.00	0.05	0.12	0.12	0.00	0.00	0.00
Crit Moves:	****				****			****				

Long Beach West Gateway
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Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #12 5th St & Magnolia Ave

Average Delay (sec/veh): 0.7 Worst Case Level Of Service: C[16.3]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Uncontrolled					Uncontrolled					Stop Sign					Stop Sign				
Rights:	Include					Include					Include					Include				
Lanes:	1	0	0	1	0	1	0	0	1	0	0	0	1!	0	0	0	0	1!	0	0
Volume Module: >> Count Date: 6 Nov 2003 << 7:45																				
Base Vol:	5	223		3		8	475		22		3		1		16	8		2		6
Growth Adj:	1.04	1.04		1.04		1.04	1.04		1.04		1.04		1.04		1.04	1.04		1.04		1.04
Initial Bse:	5	232		3		8	494		23		3		1		17	8		2		6
Added Vol:	0	51		0		0	90		0		0		0		0	0		0		1
PasserByVol:	0	0		0		0	0		0		0		0		0	0		0		0
Initial Fut:	5	283		3		8	584		23		3		1		17	8		2		7
User Adj:	1.00	1.00		1.00		1.00	1.00		1.00		1.00		1.00		1.00	1.00		1.00		1.00
PHF Adj:	0.99	0.99		0.99		0.99	0.99		0.99		0.99		0.99		0.99	0.99		0.99		0.99
PHF Volume:	5	287		3		8	593		23		3		1		17	8		2		7
Reduct Vol:	0	0		0		0	0		0		0		0		0	0		0		0
Final Vol.:	5	287		3		8	593		23		3		1		17	8		2		7
Critical Gap Module:																				
Critical Gp:	4.1	xxxx	xxxxx			4.1	xxxx	xxxxx			7.1		6.5		6.2	7.1		6.5		6.2
FollowUpTim:	2.2	xxxx	xxxxx			2.2	xxxx	xxxxx			3.5		4.0		3.3	3.5		4.0		3.3
Capacity Module:																				
Cnflict Vol:	616	xxxx	xxxxx			290	xxxx	xxxxx			926		922		605	930		932		289
Potent Cap.:	973	xxxx	xxxxx			1283	xxxx	xxxxx			251		272		502	250		268		755
Move Cap.:	973	xxxx	xxxxx			1283	xxxx	xxxxx			245		269		502	238		265		755
Volume/Cap:	0.01	xxxx	xxxx			0.01	xxxx	xxxx			0.01		0.00		0.03	0.04		0.01		0.01
Level Of Service Module:																				
Queue:	0.0	xxxx	xxxxx			0.0	xxxx	xxxxx			xxxxx		xxxx		xxxxx	xxxxx		xxxx		xxxxx
Stopped Del:	8.7	xxxx	xxxxx			7.8	xxxx	xxxxx			xxxxx		xxxx		xxxxx	xxxxx		xxxx		xxxxx
LOS by Move:	A	*		*		A	*		*		*		*		*	*		*		*
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	xxxxx			xxxx	xxxx	xxxxx			xxxx		418		xxxxx	xxxx		337		xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx			xxxxx	xxxx	xxxxx			xxxxx		0.2		xxxxx	xxxxx		0.2		xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx			xxxxx	xxxx	xxxxx			xxxxx		14.1		xxxxx	xxxxx		16.3		xxxxx
Shared LOS:	*	*		*		*	*		*		*		B		*	*		C		*
ApproachDel:	xxxxxx					xxxxxx					14.1					16.3				
ApproachLOS:	*					*					B					C				

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #13 4th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.430
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	25	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
Lanes:	1 0	0 1	0	1 0	0 1	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	4	97	19	16	442	9	10	23	13	17	19	13
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	4	101	20	17	460	9	10	24	14	18	20	14
Added Vol:	0	51	0	0	90	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	4	152	20	17	550	9	10	24	14	18	20	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	5	167	22	18	606	10	11	26	15	19	22	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	167	22	18	606	10	11	26	15	19	22	15
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	5	167	22	18	606	10	11	26	15	19	22	15
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	0.88	0.12	1.00	0.98	0.02	0.22	0.50	0.28	0.35	0.39	0.26
Final Sat.:	1600	1416	184	1600	1573	27	348	800	452	555	620	424
Capacity Analysis Module:												
Vol/Sat:	0.00	0.12	0.12	0.01	0.39	0.39	0.01	0.03	0.03	0.01	0.04	0.04
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #14 3rd St & Magnolia Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.663
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 43 Level Of Service: B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	0	0 0	1 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:30												
Base Vol:	81	157	0	0	518	66	0	0	0	238	997	68
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	84	163	0	0	539	69	0	0	0	248	1037	71
Added Vol:	0	37	0	0	31	59	0	0	0	1	75	14
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	84	200	0	0	570	128	0	0	0	249	1112	85
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
PHF Volume:	98	232	0	0	661	148	0	0	0	288	1290	98
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	98	232	0	0	661	148	0	0	0	288	1290	98
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	98	232	0	0	661	148	0	0	0	288	1290	98
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	1.00	0.00	0.00	1.63	0.37	0.00	0.00	0.00	0.52	2.31	0.17
Final Sat.:	1600	1600	0	0	2614	586	0	0	0	825	3693	281
Capacity Analysis Module:												
Vol/Sat:	0.06	0.15	0.00	0.00	0.25	0.25	0.00	0.00	0.00	0.18	0.35	0.35
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #15 Broadway & Magnolia Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.534
Loss Time (sec): 0 (Y+R = 4 sec) 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
Lanes:	0 0	1 1	0	0 1	1 0	0	0 1	2 0	1	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	0	67	137	24	550	0	13	976	401	0	0	0
Growth Adj:	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
Initial Bse:	0	69	141	25	565	0	13	1003	412	0	0	0
Added Vol:	0	18	26	24	9	0	19	197	87	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	87	167	49	574	0	32	1200	499	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	92	176	51	605	0	34	1265	526	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	92	176	51	605	0	34	1265	526	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	92	176	51	605	0	34	1265	526	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	1.00	1.00	0.16	1.84	0.00	0.08	2.92	1.00	0.00	0.00	0.00
Final Sat.:	0	1600	1600	250	2950	0	126	4674	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.06	0.11	0.03	0.21	0.00	0.02	0.27	0.33	0.00	0.00	0.00
Crit Moves:	****				****				****			

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #16 Ocean Blvd & Magnolia Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.782
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	66	Level Of Service:	C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	1	1 0	2 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:45 AM												
Base Vol:	20	21	23	190	151	285	123	733	25	134	1715	255
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	21	22	24	198	157	296	128	762	26	139	1784	265
Added Vol:	0	0	0	54	0	41	26	49	0	0	248	18
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	21	22	24	252	157	337	154	811	26	139	2032	283
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	22	23	25	265	165	355	162	853	27	147	2136	298
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	23	25	265	165	355	162	853	27	147	2136	298
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	22	23	25	265	165	355	162	853	27	147	2136	298
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	1.00	1.00	2.00	1.00	1.00	2.91	0.09	1.00	3.00	1.00
Final Sat.:	1600	3200	1600	1600	3200	1600	1600	4651	149	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.01	0.01	0.02	0.17	0.05	0.22	0.10	0.18	0.18	0.09	0.45	0.19
Crit Moves:	****					****	****				****	

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

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

Intersection #17 4th St & Chestnut Ave

Average Delay (sec/veh): 5.0 Worst Case Level Of Service: B[10.2]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Stop Sign			Stop Sign			Uncontrolled			Uncontrolled		
Rights:	Include			Include			Include			Include		
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	9	26	23	6	35	8	6	62	13	8	36	6
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	9	27	24	6	36	8	6	64	14	8	37	6
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:	9	27	24	6	36	8	6	64	14	8	37	6
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
PHF Volume:	11	32	29	7	43	10	7	77	16	10	45	7
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	11	32	29	7	43	10	7	77	16	10	45	7
Critical Gap Module:												
Critical Gp:	7.1	6.5	6.2	7.1	6.5	6.2	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx
FollowUpTim:	3.5	4.0	3.3	3.5	4.0	3.3	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	195	172	85	199	176	48	52	xxxx	xxxxx	93	xxxx	xxxxx
Potent Cap.:	769	725	980	765	721	1026	1567	xxxx	xxxxx	1514	xxxx	xxxxx
Move Cap.:	720	717	980	711	713	1026	1567	xxxx	xxxxx	1514	xxxx	xxxxx
Volume/Cap:	0.02	0.05	0.03	0.01	0.06	0.01	0.00	xxxx	xxxx	0.01	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	0.0	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	7.3	xxxx	xxxxx	7.4	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	A	*	*	A	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	803	xxxxx	xxxx	750	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	0.3	xxxxx	xxxxx	0.3	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	9.9	xxxxx	xxxxx	10.2	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	A	*	*	B	*	*	*	*	*	*	*
ApproachDel:		9.9			10.2			xxxxxx			xxxxxx	
ApproachLOS:		A			B			*			*	

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #18 3rd St & Chestnut Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.452
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:15												
Base Vol:	26	28	0	0	28	46	0	0	0	140	1253	20
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	27	29	0	0	29	48	0	0	0	146	1303	21
Added Vol:	0	0	0	0	0	0	0	0	0	0	90	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	27	29	0	0	29	48	0	0	0	146	1393	21
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
PHF Volume:	31	34	0	0	34	55	0	0	0	169	1616	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	31	34	0	0	34	55	0	0	0	169	1616	24
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	31	34	0	0	34	55	0	0	0	169	1616	24
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	1.00	0.00	0.00	0.38	0.62	0.00	0.00	0.00	0.28	2.68	0.04
Final Sat.:	1600	1600	0	0	605	995	0	0	0	448	4288	64
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.00	0.00	0.06	0.06	0.00	0.00	0.00	0.11	0.38	0.38
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #19 Broadway & Chestnut Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.329
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 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			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	1	1 1	0 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	0	31	44	92	22	0	35	894	22	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	32	46	96	23	0	36	930	23	0	0	0
Added Vol:	0	0	0	0	0	0	0	247	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	32	46	96	23	0	36	1177	23	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	0	33	47	99	24	0	38	1214	24	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	33	47	99	24	0	38	1214	24	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	33	47	99	24	0	38	1214	24	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	0.83	1.17	1.61	0.39	0.00	0.09	2.86	0.05	0.00	0.00	0.00
Final Sat.:	0	1323	1877	2582	618	0	141	4570	89	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.03	0.03	0.04	0.04	0.00	0.02	0.27	0.27	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #20 4th St & Cedar Ave

Cycle (sec):	50	Critical Vol./Cap. (X):	0.114
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	16	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
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	2	26	14	9	33	4	7	58	6	6	60	18
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	2	27	15	9	34	4	7	60	6	6	62	19
Added Vol:	0	4	0	0	16	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	2	31	15	9	50	4	7	60	6	6	62	19
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
PHF Volume:	3	37	18	11	60	5	9	73	8	8	75	22
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	37	18	11	60	5	9	73	8	8	75	22
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	3	37	18	11	60	5	9	73	8	8	75	23
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:	0.04	0.65	0.31	0.15	0.79	0.06	0.10	0.82	0.08	0.07	0.72	0.21
Final Sat.:	70	1042	489	235	1261	104	158	1307	135	114	1143	343
Capacity Analysis Module:												
Vol/Sat:	0.00	0.04	0.04	0.01	0.05	0.05	0.01	0.06	0.06	0.00	0.07	0.07
Crit Moves:		****		****			****				****	

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #21 3rd St & Cedar Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.542
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:30												
Base Vol:	34	15	0	0	24	70	0	0	0	195	1326	43
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	35	16	0	0	25	73	0	0	0	203	1379	45
Added Vol:	10	4	0	0	16	0	0	0	0	58	79	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	45	20	0	0	41	73	0	0	0	261	1458	45
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
PHF Volume:	53	23	0	0	48	84	0	0	0	303	1691	52
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	53	23	0	0	48	84	0	0	0	303	1691	52
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	53	23	0	0	48	84	0	0	0	303	1691	52
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	1.00	0.00	0.00	0.36	0.64	0.00	0.00	0.00	0.44	2.48	0.08
Final Sat.:	1600	1600	0	0	576	1024	0	0	0	710	3968	122
Capacity Analysis Module:												
Vol/Sat:	0.03	0.01	0.00	0.00	0.08	0.08	0.00	0.00	0.00	0.19	0.43	0.43
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #22 Broadway & Cedar Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.336
Loss Time (sec): 0 (Y+R = 4 sec) 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:	Split Phase			Split Phase			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	1	1 1	0 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	0	1	3	123	9	0	15	783	213	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	1	3	128	9	0	16	814	222	0	0	0
Added Vol:	0	0	0	9	0	0	102	146	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	1	3	137	9	0	118	960	222	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	1	3	145	10	0	124	1015	234	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1	3	145	10	0	124	1015	234	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	1	3	145	10	0	124	1015	234	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	0.50	1.50	1.87	0.13	0.00	0.27	2.22	0.51	0.00	0.00	0.00
Final Sat.:	0	800	2400	2995	205	0	434	3547	818	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.05	0.05	0.00	0.29	0.29	0.29	0.00	0.00	0.00
Crit Moves:			****		****			****				

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #23 7th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.660
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	42	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:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	1 1	0	0 0	0 0	0	1 0	3 0	1
Volume Module: >> Count Date: 6 Nov 2003 << 7:15												
Base Vol:	44	180	0	0	390	56	0	0	0	180	1332	101
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	46	187	0	0	406	58	0	0	0	187	1385	105
Added Vol:	2	46	0	0	24	19	0	0	0	9	44	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	48	233	0	0	430	77	0	0	0	196	1429	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:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	52	253	0	0	466	84	0	0	0	213	1550	116
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	52	253	0	0	466	84	0	0	0	213	1550	116
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	52	253	0	0	466	84	0	0	0	213	1550	116
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	1.70	0.30	0.00	0.00	0.00	1.00	3.00	1.00
Final Sat.:	1600	3200	0	0	2712	488	0	0	0	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.03	0.08	0.00	0.00	0.17	0.17	0.00	0.00	0.00	0.13	0.32	0.07
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #24 6th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.434
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	29	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			Prot+Permit			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1 1	0	1 0	2 0	0	1 0	3 0	1	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 7:15												
Base Vol:	0	166	95	82	405	0	28	598	21	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	173	99	85	421	0	29	622	22	0	0	0
Added Vol:	0	48	0	1	31	0	1	6	1	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	221	99	86	452	0	30	628	23	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	233	105	91	479	0	32	664	24	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	233	105	91	479	0	32	664	24	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	233	105	91	479	0	32	664	24	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	1.38	0.62	1.00	2.00	0.00	1.00	3.00	1.00	0.00	0.00	0.00
Final Sat.:	0	2210	990	1600	3200	0	1600	4800	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.11	0.11	0.06	0.15	0.00	0.02	0.14	0.02	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #25 4th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.399
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	27	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:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 1	0	0 1	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	9	150	17	1	464	8	11	29	34	15	63	8
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	9	156	18	1	483	8	11	30	35	16	66	8
Added Vol:	0	47	0	0	32	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	9	203	18	1	515	8	11	30	35	16	66	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
PHF Volume:	11	242	21	1	613	10	14	36	42	19	78	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	242	21	1	613	10	14	36	42	19	78	10
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	11	242	21	1	613	10	14	36	42	19	78	10
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	1.84	0.16	0.01	1.96	0.03	1.00	0.46	0.54	1.00	0.89	0.11
Final Sat.:	1600	2944	256	6	3143	51	1600	737	863	1600	1420	180
Capacity Analysis Module:												
Vol/Sat:	0.01	0.08	0.08	0.00	0.20	0.20	0.01	0.05	0.05	0.01	0.06	0.06
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #26 3rd St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.705
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	47	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	0	0	0		0	0	0	0	0	
Lanes:	1	0	2	0	0		0	0	2	0	1		0	0	0	0	0		1	0	2	1	0	
Volume Module: >> Count Date: 5 Nov 2003 << 7:30																								
Base Vol:	57	109	0		0	324	118		0	0	0		57	1412	33									
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04												
Initial Bse:	59	113	0		0	337	123		0	0	0		59	1468	34									
Added Vol:	16	37	0		0	16	17		0	0	0		6	108	10									
PasserByVol:	0	0	0		0	0	0		0	0	0		0	0	0									
Initial Fut:	75	150	0		0	353	140		0	0	0		65	1576	44									
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00												
PHF Adj:	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87												
PHF Volume:	87	174	0		0	408	161		0	0	0		75	1820	51									
Reduct Vol:	0	0	0		0	0	0		0	0	0		0	0	0									
Reduced Vol:	87	174	0		0	408	161		0	0	0		75	1820	51									
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00												
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00												
Final Vol.:	87	174	0		0	408	161		0	0	0		75	1820	51									
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	2.00	1.00	0.00	0.00	0.00	1.00	2.92	0.08												
Final Sat.:	1600	3200	0		0	3200	1600		0	0	0		1600	4669	131									
Capacity Analysis Module:																								
Vol/Sat:	0.05	0.05	0.00	0.00	0.13	0.10	0.00	0.00	0.00	0.05	0.39	0.39												
Crit Moves:	****						****												****					

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #27 Broadway & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.508
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	32	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			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 2	0	1	1 0 2	0	0	1 0 2	1	0	0 0 0	0	0
Volume Module: >> Count Date: 5 Nov 2003 << 8:00												
Base Vol:	0	162	49	79	381	0	23	703	189	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	168	51	82	396	0	24	731	197	0	0	0
Added Vol:	0	27	5	18	15	0	17	124	13	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	195	56	100	411	0	41	855	210	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	212	61	109	446	0	44	927	227	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	212	61	109	446	0	44	927	227	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	212	61	109	446	0	44	927	227	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	2.00	1.00	1.00	2.00	0.00	1.00	2.41	0.59	0.00	0.00	0.00
Final Sat.:	0	3200	1600	1600	3200	0	1600	3855	945	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.07	0.04	0.07	0.14	0.00	0.03	0.24	0.24	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #28 Ocean Blvd & Pacific Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.808
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	97	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			Prot+Permit			Prot+Permit		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1! 0	0	1 1	0 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:45												
Base Vol:	7	2	6	97	3	287	205	672	21	30	1746	183
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	7	2	6	101	3	298	213	699	22	31	1816	190
Added Vol:	0	0	0	18	0	10	7	97	0	0	260	25
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	7	2	6	119	3	308	220	796	22	31	2076	215
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	8	2	7	125	3	325	232	838	23	33	2185	227
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	2	7	125	3	325	232	838	23	33	2185	227
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	2	7	125	3	325	232	838	23	33	2185	227
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:	0.47	0.13	0.40	1.95	0.05	1.00	1.00	2.92	0.08	1.00	3.00	1.00
Final Sat.:	747	213	640	3118	82	1600	1600	4672	128	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.00	0.01	0.01	0.04	0.04	0.20	0.14	0.18	0.18	0.02	0.46	0.14
Crit Moves:	****					****	****				****	

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #29 4th St & Pine Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.241
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 19 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
Lanes:	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 6 Nov 2003 << 8:00												
Base Vol:	6	109	23	18	151	20	12	45	14	11	63	18
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	6	113	24	19	157	21	12	47	15	11	66	19
Added Vol:	0	48	0	0	27	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	6	161	24	19	184	21	12	47	15	11	66	19
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
PHF Volume:	8	207	31	24	236	27	16	60	19	15	84	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	207	31	24	236	27	16	60	19	15	84	24
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	207	31	24	236	27	16	60	19	15	84	24
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	0.87	0.13	1.00	0.90	0.10	1.00	0.76	0.24	1.00	0.78	0.22
Final Sat.:	1600	1393	207	1600	1438	162	1600	1220	380	1600	1244	356
Capacity Analysis Module:												
Vol/Sat:	0.01	0.15	0.15	0.02	0.16	0.16	0.01	0.05	0.05	0.01	0.07	0.07
Crit Moves:		****			****			****			****	

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #30 3rd St & Pine Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.517
Loss Time (sec): 0 (Y+R = 4 sec) 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	0	0	0	0
Lanes:	1	0	1	0 0	0	0	1	0 1	0	0	0	0 0	1	0	3	0 1
Volume Module: >> Count Date: 5 Nov 2003 << 7:30																
Base Vol:	51	96	0	0	126	61	0	0	0	71	1447	55				
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04				
Initial Bse:	53	100	0	0	131	63	0	0	0	74	1505	57				
Added Vol:	8	37	0	0	24	3	0	0	0	24	113	11				
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0				
Initial Fut:	61	137	0	0	155	66	0	0	0	98	1618	68				
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91				
PHF Volume:	67	150	0	0	170	73	0	0	0	107	1772	75				
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0				
Reduced Vol:	67	150	0	0	170	73	0	0	0	107	1772	75				
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Final Vol.:	67	150	0	0	170	73	0	0	0	107	1772	75				
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	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00	3.00	1.00				
Final Sat.:	1600	1600	0	0	1600	1600	0	0	0	1600	4800	1600				
Capacity Analysis Module:																
Vol/Sat:	0.04	0.09	0.00	0.00	0.11	0.05	0.00	0.00	0.00	0.07	0.37	0.05				
Crit Moves:	****				****						****					

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #31 Broadway & Pine Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.405
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 24 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
Lanes:	0 0	0 1	0	1 0	1 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	0	103	40	50	177	0	27	710	98	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	107	42	52	184	0	28	738	102	0	0	0
Added Vol:	0	31	21	23	16	0	28	111	1	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	138	63	75	200	0	56	849	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:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	151	68	82	218	0	61	927	112	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	151	68	82	218	0	61	927	112	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	151	68	82	218	0	61	927	112	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	0.69	0.31	1.00	1.00	0.00	1.00	2.68	0.32	0.00	0.00	0.00
Final Sat.:	0	1101	499	1600	1600	0	1600	4281	519	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.14	0.14	0.05	0.14	0.00	0.04	0.22	0.22	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #32 Ocean Blvd & Pine Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.660
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	42	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
Lanes:	1 0	1 0	1	0 1	0 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	41	41	33	37	38	83	66	670	86	43	1892	142
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	43	43	34	38	40	86	69	697	89	45	1968	148
Added Vol:	47	5	25	9	4	5	15	79	21	14	233	32
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	90	48	59	47	44	91	84	776	110	59	2201	180
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	95	50	63	50	46	97	89	821	117	62	2329	190
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	95	50	63	50	46	97	89	821	117	62	2329	190
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	95	50	63	50	46	97	89	821	117	62	2329	190
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	1.00	1.00	0.52	0.48	1.00	1.00	2.63	0.37	1.00	3.00	1.00
Final Sat.:	1600	1600	1600	835	765	1600	1600	4202	598	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.06	0.03	0.04	0.03	0.06	0.06	0.06	0.20	0.20	0.04	0.49	0.12
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #33 3rd St & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.745
Loss Time (sec):	10 (Y+R = 4 sec)	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
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	0 1	2 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:15												
Base Vol:	68	236	0	0	398	175	0	0	0	83	1375	130
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	71	245	0	0	414	182	0	0	0	86	1430	135
Added Vol:	64	69	0	0	16	34	0	0	0	0	32	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	135	314	0	0	430	216	0	0	0	86	1462	135
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
PHF Volume:	152	355	0	0	486	244	0	0	0	98	1652	153
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	152	355	0	0	486	244	0	0	0	98	1652	153
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	152	355	0	0	486	244	0	0	0	98	1652	153
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	2.00	1.00	0.00	0.00	0.00	0.17	2.83	1.00
Final Sat.:	1600	3200	0	0	3200	1600	0	0	0	268	4532	1600
Capacity Analysis Module:												
Vol/Sat:	0.10	0.11	0.00	0.00	0.15	0.15	0.00	0.00	0.00	0.06	0.36	0.10
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #34 Broadway & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.699
Loss Time (sec):	10 (Y+R = 4 sec)	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			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	2 0	1	2 0	2 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	0	376	64	193	284	0	202	1317	83	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	391	67	201	295	0	210	1370	86	0	0	0
Added Vol:	0	34	0	0	16	0	100	45	82	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	425	67	201	311	0	310	1415	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:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	0	458	72	216	335	0	334	1523	181	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	458	72	216	335	0	334	1523	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
Final Vol.:	0	458	72	216	335	0	334	1523	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	2.00	1.00	2.00	2.00	0.00	1.00	2.68	0.32	0.00	0.00	0.00
Final Sat.:	0	3200	1600	3200	3200	0	1600	4290	510	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.14	0.04	0.07	0.10	0.00	0.21	0.35	0.35	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #35 Ocean Blvd & Long Beach Blvd

Cycle (sec):	90	Critical Vol./Cap. (X):	0.694
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	61	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			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 0	0	1 0	1! 0	1	1 0	3 0	0	0 0	3 0	1
Volume Module: >> Count Date: 4 Nov 2003 << 7:15 AM												
Base Vol:	0	0	0	44	0	245	132	487	0	0	1924	100
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	0	0	46	0	255	137	506	0	0	2001	104
Added Vol:	0	0	0	31	0	67	11	102	0	0	212	23
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	77	0	322	148	608	0	0	2213	127
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	0	0	0	81	0	341	157	645	0	0	2347	135
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	81	0	341	157	645	0	0	2347	135
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	81	0	341	157	645	0	0	2347	135
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	0.00	0.00	1.00	0.00	2.00	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	1600	0	3200	1600	4800	0	0	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.05	0.00	0.11	0.10	0.13	0.00	0.00	0.49	0.08
Crit Moves:						****	****				****	

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #36 Ocean Blvd & Shoreline Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.953
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: E

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	3 0	1	1 0	2 1	0	1 0	2 1	0	2 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	26	72	125	49	271	302	107	432	13	426	1765	55
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	27	75	130	51	282	314	111	449	14	443	1836	57
Added Vol:	0	2	16	2	3	12	28	117	0	24	77	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	27	77	146	53	285	326	139	566	14	467	1913	58
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	28	79	151	55	294	337	144	584	14	482	1974	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	28	79	151	55	294	337	144	584	14	482	1974	60
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	28	79	151	55	294	337	144	584	14	482	1974	60
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	3.00	1.00	1.00	2.00	1.00	1.00	2.93	0.07	2.00	1.94	0.06
Final Sat.:	1600	4800	1600	1600	3200	1600	1600	4688	112	3200	3106	94
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.09	0.03	0.09	0.21	0.09	0.12	0.12	0.15	0.64	0.64
Crit Moves:	****					****	****				****	

Long Beach West Gateway
Year 2007 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #37 7th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.647
Loss Time (sec):	0 (Y+R = 4 sec)	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	0	0	0	0
Lanes:	1	0	1	0 0	0	0	0	1 0	0	0	0	0 0	0	1	1	1 0
Volume Module: >> Count Date: 6 Nov 2003 << 7:00																
Base Vol:	57	150	0	0	247	61	0	0	0	184	1333	59				
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04				
Initial Bse:	59	156	0	0	257	63	0	0	0	191	1386	61				
Added Vol:	0	51	0	0	40	0	0	0	0	45	9	4				
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0				
Initial Fut:	59	207	0	0	297	63	0	0	0	236	1395	65				
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95				
PHF Volume:	62	217	0	0	312	67	0	0	0	248	1466	69				
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0				
Reduced Vol:	62	217	0	0	312	67	0	0	0	248	1466	69				
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Final Vol.:	62	217	0	0	312	67	0	0	0	248	1466	69				
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	1.00	0.00	0.00	0.82	0.18	0.00	0.00	0.00	0.42	2.47	0.11				
Final Sat.:	1600	1600	0	0	1318	282	0	0	0	669	3947	185				
Capacity Analysis Module:																
Vol/Sat:	0.04	0.14	0.00	0.00	0.24	0.24	0.00	0.00	0.00	0.16	0.37	0.37				
Crit Moves:	****				****						****					

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Scenario Report

Scenario:	2007 PM Peak
Command:	2007 PM Peak
Volume:	2007 PM Peak
Geometry:	Existing
Impact Fee:	Default Impact Fee
Trip Generation:	Default Trip Generation
Trip Distribution:	Default Trip Distribution
Paths:	Default Paths
Routes:	Default Routes
Configuration:	Default Configuration

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Trip Generation Report

Forecast for 2007 PM Peak

Zone #	Subzone	Amount	Units	Rate In	Rate Out	Trips In	Trips Out	Total Trips	% Of Total
1	100 E. Ocean	1.00	Apartments	56.00	30.00	56	30	86	2.5
	Zone 1 Subtotal					56	30	86	2.5
2	Promenade -	1.00	Apartments - O	55.00	39.00	55	39	94	2.8
2	Promenade -	1.00	Apartments - G	41.00	31.00	41	31	72	2.1
	Zone 2 Subtotal					96	70	166	4.9
3	Ocean Villas	1.00	Apartments	213.00	110.00	213	110	323	9.5
	Zone 3 Subtotal					213	110	323	9.5
4	Insurance Ex	1.00	Condos & Shopp	26.00	26.00	26	26	52	1.5
	Zone 4 Subtotal					26	26	52	1.5
5	Broadway Lof	1.00	Condos & Shopp	45.00	41.00	45	41	86	2.5
	Zone 5 Subtotal					45	41	86	2.5
6	Promenade -	1.00	Apartments - L	75.00	57.00	75	57	132	3.9
	Zone 6 Subtotal					75	57	132	3.9
7	City Place -	1.00	Shopping Cente	15.00	7.00	15	7	22	0.6
	Zone 7 Subtotal					15	7	22	0.6
8	PCS Apartmen	1.00	Apartments	17.00	9.00	17	9	26	0.8
	Zone 8 Subtotal					17	9	26	0.8
9	City Place L	1.00	Apartments	28.00	14.00	28	14	42	1.2
	Zone 9 Subtotal					28	14	42	1.2
10	4th Street L	1.00	Apartments	25.00	19.00	25	19	44	1.3
	Zone 10 Subtotal					25	19	44	1.3
11	The Pike	1.00	Theatre	95.00	54.00	95	54	149	4.4
11	The Pike	1.00	Restaurant	432.00	288.00	432	288	720	21.1
11	The Pike	1.00	Shopping Cente	284.00	307.00	284	307	591	17.3
11	The Pike	1.00	Night Club	153.00	79.00	153	79	232	6.8
	Zone 11 Subtotal					964	728	1692	49.6
15	Newberry's	1.00	Apartments	11.00	6.00	11	6	17	0.5
	Zone 15 Subtotal					11	6	17	0.5
16	D'Orsay Emba	1.00	Hotel	59.00	74.00	59	74	133	3.9
	Zone 16 Subtotal					59	74	133	3.9

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Zone #	Subzone	Amount	Units	Rate In	Rate Out	Trips In	Trips Out	Total Trips	% Of Total
17	Project - Br	1.00	Elementary Sch	18.00	22.00	18	22	40	1.2
	Zone 17 Subtotal					18	22	40	1.2
18	World Trade	1.00	Condo Units &	180.00	143.00	180	143	323	9.5
	Zone 18 Subtotal					180	143	323	9.5
25	Cedar Court	1.00	Apartments	19.00	14.00	19	14	33	1.0
25	Cedar Court	1.00	Retail Stores	6.00	7.00	6	7	13	0.4
25	Cedar Court	1.00	Pedestrian	-6.00	-7.00	-6	-7	-13	-0.4
	Zone 25 Subtotal					19	14	33	1.0
26	Cedar Court	1.00	Office Parking	37.00	180.00	37	180	217	6.4
26	Cedar Court	1.00	Transit	-4.00	-18.00	-4	-18	-22	-0.6
	Zone 26 Subtotal					33	162	195	5.7
TOTAL						1880	1532	3412	100.0

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Trip Distribution Report

Percent Of Trips PM Peak

Zone	To Gates 1	2	3	6	8	10	11	14	15	20	41
1	16.0	32.0	0.0	32.0	14.0	6.0	11.0	0.0	0.0	9.0	12.0
2	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
3	16.0	32.0	0.0	32.0	14.0	6.0	11.0	0.0	0.0	9.0	12.0
4	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
5	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
6	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
7	15.0	22.0	42.0	0.0	13.0	6.0	8.0	20.0	0.0	6.0	10.0
8	15.0	22.0	42.0	0.0	13.0	6.0	8.0	20.0	0.0	6.0	10.0
9	13.0	24.0	28.0	0.0	11.0	6.0	10.0	15.0	11.0	9.0	12.0
10	13.0	24.0	28.0	0.0	11.0	6.0	10.0	15.0	11.0	9.0	12.0
11	12.0	8.0	0.0	8.0	28.0	3.0	6.0	0.0	0.0	5.0	5.0
15	13.0	24.0	28.0	0.0	11.0	6.0	10.0	15.0	11.0	9.0	12.0
16	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
17	15.0	20.0	37.0	0.0	14.0	7.0	10.0	17.0	0.0	9.0	8.0
18	15.0	32.0	32.0	0.0	14.0	7.0	12.0	0.0	0.0	12.0	8.0
25	15.0	34.0	34.0	0.0	5.0	5.0	10.0	8.0	8.0	8.0	15.0
26	15.0	34.0	34.0	0.0	5.0	5.0	10.0	8.0	8.0	8.0	15.0

Zone	To Gates 42
1	0.0
2	0.0
3	0.0
4	0.0
5	0.0
6	0.0
7	0.0
8	0.0
9	0.0
10	0.0
11	33.0
15	0.0
16	0.0
17	0.0
18	0.0
25	0.0
26	0.0

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Turning Movement Report
2007 PM Peak

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#1 4th St & Golden Ave													
Base	0	15	12	11	23	2	1	3	0	11	2	14	95
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	15	12	11	23	2	1	3	0	11	2	14	95
#2 3rd St & Golden Ave													
Base	5	6	0	0	1	19	0	0	0	3	776	29	839
Added	0	0	0	0	0	0	0	0	0	63	181	0	244
Total	5	6	0	0	1	19	0	0	0	66	957	29	1083
#3 Broadway & Golden Shore Ave													
Base	0	0	0	58	0	0	0	1327	0	0	0	0	1385
Added	0	0	0	63	0	0	0	360	0	0	0	0	423
Total	0	0	0	121	0	0	0	1687	0	0	0	0	1808
#4 Ocean Blvd & Golden Shore Ave													
Base	184	573	137	11	7	1	118	1719	56	155	989	501	4452
Added	0	0	0	0	0	0	30	225	0	0	209	181	645
Total	184	573	137	11	7	1	148	1944	56	155	1198	682	5097
#5 4th St & Maine Ave													
Base	12	18	20	7	8	3	2	20	5	10	36	16	158
Added	0	0	0	0	3	0	0	0	0	0	0	0	3
Total	12	18	20	7	11	3	2	20	5	10	36	16	161
#6 3rd St & Maine Ave													
Base	81	51	0	0	20	17	0	0	0	41	692	32	933
Added	54	0	0	0	3	0	0	0	0	6	190	0	253
Total	135	51	0	0	23	17	0	0	0	47	882	32	1186
#7 Broadway & Maine Ave													
Base	0	54	129	14	10	0	31	1307	47	0	0	0	1592
Added	0	0	0	7	0	0	54	339	0	0	0	0	400
Total	0	54	129	21	10	0	85	1646	47	0	0	0	1992
#8 4th St & Daisy Ave													
Base	6	20	23	12	34	26	15	59	2	9	50	10	267
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	6	20	23	12	34	26	15	59	2	9	50	10	267
#9 3rd St & Daisy Ave													
Base	27	16	0	0	20	34	0	0	0	20	716	27	859
Added	0	0	0	0	0	0	0	0	0	0	196	0	196
Total	27	16	0	0	20	34	0	0	0	20	912	27	1055

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#10 Broadway & Daisy Ave													
Base	0	8	48	30	0	0	19	1107	3	0	0	0	1215
Added	0	0	0	0	0	0	0	346	0	0	0	0	346
Total	0	8	48	30	0	0	19	1453	3	0	0	0	1561
#11 6th St & Magnolia Ave													
Base	0	365	46	49	293	0	45	1331	40	0	0	0	2168
Added	0	67	0	6	134	0	0	12	1	0	0	0	220
Total	0	432	46	55	427	0	45	1343	41	0	0	0	2388
#12 5th St & Magnolia Ave													
Base	16	399	14	34	253	28	10	10	11	4	12	38	831
Added	0	67	0	1	135	0	0	0	0	0	0	0	203
Total	16	466	14	35	388	28	10	10	11	4	12	38	1034
#13 4th St & Magnolia Ave													
Base	6	412	36	36	238	29	26	49	24	18	36	31	942
Added	0	67	0	0	135	0	0	0	0	0	0	0	202
Total	6	479	36	36	373	29	26	49	24	18	36	31	1144
#14 3rd St & Magnolia Ave													
Base	81	346	0	0	240	56	0	0	0	80	626	92	1522
Added	0	42	0	0	66	69	0	0	0	10	128	25	340
Total	81	388	0	0	306	125	0	0	0	90	754	117	1862
#15 Broadway & Magnolia Ave													
Base	0	367	110	51	237	0	59	928	189	0	0	0	1942
Added	0	30	5	21	55	0	12	246	88	0	0	0	457
Total	0	397	115	72	292	0	71	1174	277	0	0	0	2399
#16 Ocean Blvd & Magnolia Ave													
Base	85	67	76	208	49	311	114	1658	31	71	1335	94	4099
Added	0	0	0	108	0	34	5	220	0	0	355	30	752
Total	85	67	76	316	49	345	119	1878	31	71	1690	124	4851
#17 4th St & Chestnut Ave													
Base	10	47	32	8	9	7	10	161	11	15	98	10	420
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	10	47	32	8	9	7	10	161	11	15	98	10	420
#18 3rd St & Chestnut Ave													
Base	97	56	0	0	18	27	0	0	0	85	703	49	1035
Added	0	0	0	0	0	0	0	0	0	0	163	0	163
Total	97	56	0	0	18	27	0	0	0	85	866	49	1198

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#19 Broadway & Chestnut Ave													
Base	0	119	146	147	28	0	26	1265	4	0	0	0	1734
Added	0	0	0	0	0	0	0	272	0	0	0	0	272
Total	0	119	146	147	28	0	26	1537	4	0	0	0	2006
#20 4th St & Cedar Ave													
Base	8	61	20	14	29	14	14	153	7	9	92	29	449
Added	0	28	0	0	3	0	0	0	0	0	0	0	31
Total	8	89	20	14	32	14	14	153	7	9	92	29	480
#21 3rd St & Cedar Ave													
Base	67	44	0	0	30	31	0	0	0	44	710	58	984
Added	73	28	0	0	3	0	0	0	0	11	90	0	205
Total	140	72	0	0	33	31	0	0	0	55	800	58	1189
#22 Broadway & Cedar Ave													
Base	0	60	130	34	2	0	29	1356	0	0	0	0	1612
Added	0	0	0	61	0	0	19	253	0	0	0	0	333
Total	0	60	130	95	2	0	48	1609	0	0	0	0	1945
#23 7th St & Pacific Ave													
Base	58	482	0	0	334	52	0	0	0	114	893	111	2045
Added	2	70	0	0	66	13	0	0	0	3	49	2	205
Total	60	552	0	0	400	65	0	0	0	117	942	113	2250
#24 6th St & Pacific Ave													
Base	0	511	161	102	327	0	48	1360	38	0	0	0	2547
Added	0	64	0	4	65	0	8	22	2	0	0	0	165
Total	0	575	161	106	392	0	56	1382	40	0	0	0	2712
#25 4th St & Pacific Ave													
Base	15	649	37	3	239	9	70	70	16	19	45	17	1188
Added	0	64	0	0	67	0	0	0	0	0	0	0	131
Total	15	713	37	3	306	9	70	70	16	19	45	17	1319
#26 3rd St & Pacific Ave													
Base	103	425	0	0	225	58	0	0	0	149	660	150	1770
Added	16	50	0	0	64	3	0	0	0	11	92	14	250
Total	119	475	0	0	289	61	0	0	0	160	752	164	2020
#27 Broadway & Pacific Ave													
Base	0	449	230	123	185	0	92	1350	92	0	0	0	2520
Added	0	34	18	24	55	0	24	227	63	0	0	0	445
Total	0	483	248	147	240	0	116	1577	155	0	0	0	2965

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#28 Ocean Blvd & Pacific Ave													
Base	15	9	21	162	1	204	178	1914	19	29	1215	125	3891
Added	0	0	0	84	0	33	28	317	0	0	381	25	868
Total	15	9	21	246	1	237	206	2231	19	29	1596	150	4759
#29 4th St & Pine Ave													
Base	17	241	64	41	118	18	20	110	18	16	81	37	780
Added	0	67	0	0	86	0	0	0	0	0	0	0	153
Total	17	308	64	41	204	18	20	110	18	16	81	37	933
#30 3rd St & Pine Ave													
Base	74	196	0	0	201	53	0	0	0	95	823	138	1579
Added	25	55	0	0	84	2	0	0	0	38	90	11	305
Total	99	251	0	0	285	55	0	0	0	133	913	149	1884
#31 Broadway & Pine Ave													
Base	0	192	124	69	107	0	42	1516	86	0	0	0	2136
Added	0	44	57	65	48	0	26	231	6	0	0	0	477
Total	0	236	181	134	155	0	68	1747	92	0	0	0	2613
#32 Ocean Blvd & Pine Ave													
Base	102	87	112	142	68	137	82	1960	96	58	1169	136	4151
Added	150	17	72	14	29	11	35	217	149	101	245	49	1089
Total	252	104	184	156	97	148	117	2177	245	159	1414	185	5240
#33 3rd St & Long Beach Blvd													
Base	163	490	0	0	428	176	0	0	0	92	612	175	2135
Added	91	115	0	0	75	43	0	0	0	0	18	0	342
Total	254	605	0	0	503	219	0	0	0	92	630	175	2477
#34 Broadway & Long Beach Blvd													
Base	0	244	57	93	441	0	70	524	190	0	0	0	1619
Added	0	64	0	0	75	0	142	63	114	0	0	0	458
Total	0	308	57	93	516	0	212	587	304	0	0	0	2077
#35 Ocean Blvd & Long Beach Blvd													
Base	0	0	0	133	0	257	200	1731	0	0	887	106	3313
Added	0	0	0	57	0	131	48	256	0	0	264	17	773
Total	0	0	0	190	0	388	248	1987	0	0	1151	123	4086
#36 Ocean Blvd & Shoreline Ave													
Base	55	647	572	96	97	147	322	1736	31	160	867	61	4791
Added	0	25	143	2	34	56	31	154	0	189	200	3	837
Total	55	672	715	98	131	203	353	1890	31	349	1067	64	5628

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#37 7th St & Magnolia Ave													
Base	80	286	0	0	295	48	0	0	0	80	636	94	1519
Added	0	67	0	0	85	0	0	0	0	55	18	3	228
Total	80	353	0	0	380	48	0	0	0	135	654	97	1747
#41 6th Street and Cedar Ave													
Base	0	74	48	32	64	0	19	822	15	0	0	0	1073
Added	0	13	15	0	2	0	0	17	1	0	0	0	48
Total	0	87	63	32	66	0	19	839	16	0	0	0	1121
#43 5th Street & Cedar Ave													
Base	10	86	18	26	56	9	4	58	5	6	41	20	340
Added	0	28	0	0	3	0	0	1	0	0	0	0	32
Total	10	114	18	26	59	9	4	59	5	6	41	20	372

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 1 4th St & Golden Ave	A	7.0	0.045	A	7.0	0.045	+ 0.000 V/C
# 2 3rd St & Golden Ave	A	xxxxx	0.294	A	xxxxx	0.356	+ 0.062 V/C
# 4 Ocean Blvd & Golden Shore Ave	D	xxxxx	0.810	D	xxxxx	0.861	+ 0.052 V/C
# 5 4th St & Maine Ave	A	7.2	0.077	A	7.2	0.077	+ 0.000 V/C
# 6 3rd St & Maine Ave	C	21.4	0.000	E	39.6	0.000	+18.233 D/V
# 7 Broadway & Maine Ave	E	45.5	0.000	F	OVRFL	0.000	+ 3.4E+0038
# 8 4th St & Daisy Ave	A	7.6	0.104	A	7.6	0.104	+ 0.000 V/C
# 9 3rd St & Daisy Ave	C	15.2	0.000	C	18.4	0.000	+ 3.162 D/V
# 10 Broadway & Daisy Ave	A	xxxxx	0.247	A	xxxxx	0.305	+ 0.058 V/C
# 11 6th St & Magnolia Ave	A	xxxxx	0.599	B	xxxxx	0.649	+ 0.050 V/C
# 12 5th St & Magnolia Ave	C	17.2	0.000	C	22.8	0.000	+ 5.555 D/V
# 13 4th St & Magnolia Ave	A	xxxxx	0.414	A	xxxxx	0.461	+ 0.047 V/C
# 14 3rd St & Magnolia Ave	A	xxxxx	0.426	A	xxxxx	0.493	+ 0.067 V/C
# 15 Broadway & Magnolia Ave	A	xxxxx	0.400	A	xxxxx	0.481	+ 0.081 V/C
# 16 Ocean Blvd & Magnolia Ave	B	xxxxx	0.671	C	xxxxx	0.741	+ 0.070 V/C
# 17 4th St & Chestnut Ave	B	11.6	0.000	B	11.6	0.000	+ 0.000 D/V
# 18 3rd St & Chestnut Ave	A	xxxxx	0.281	A	xxxxx	0.317	+ 0.036 V/C
# 19 Broadway & Chestnut Ave	A	xxxxx	0.441	A	xxxxx	0.503	+ 0.061 V/C
# 20 4th St & Cedar Ave	A	xxxxx	0.187	A	xxxxx	0.205	+ 0.018 V/C
# 21 3rd St & Cedar Ave	A	xxxxx	0.265	A	xxxxx	0.337	+ 0.073 V/C
# 22 Broadway & Cedar Ave	A	xxxxx	0.378	A	xxxxx	0.458	+ 0.080 V/C
# 23 7th St & Pacific Ave	A	xxxxx	0.510	A	xxxxx	0.550	+ 0.040 V/C
# 24 6th St & Pacific Ave	C	xxxxx	0.714	C	xxxxx	0.742	+ 0.028 V/C

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 25 4th St & Pacific Ave	A	xxxxx	0.452	A	xxxxx	0.474	+ 0.022 V/C
# 26 3rd St & Pacific Ave	A	xxxxx	0.464	A	xxxxx	0.521	+ 0.057 V/C
# 27 Broadway & Pacific Ave	C	xxxxx	0.702	C	xxxxx	0.793	+ 0.090 V/C
# 28 Ocean Blvd & Pacific Ave	B	xxxxx	0.608	C	xxxxx	0.702	+ 0.095 V/C
# 29 4th St & Pine Ave	A	xxxxx	0.346	A	xxxxx	0.394	+ 0.047 V/C
# 30 3rd St & Pine Ave	A	xxxxx	0.377	A	xxxxx	0.472	+ 0.095 V/C
# 31 Broadway & Pine Ave	B	xxxxx	0.614	C	xxxxx	0.778	+ 0.164 V/C
# 32 Ocean Blvd & Pine Ave	B	xxxxx	0.694	E	xxxxx	0.967	+ 0.273 V/C
# 33 3rd St & Long Beach Blvd	A	xxxxx	0.537	B	xxxxx	0.626	+ 0.089 V/C
# 34 Broadway & Long Beach Blvd	A	xxxxx	0.444	A	xxxxx	0.514	+ 0.070 V/C
# 35 Ocean Blvd & Long Beach Blvd	B	xxxxx	0.689	D	xxxxx	0.850	+ 0.161 V/C
# 36 Ocean Blvd & Shoreline Ave	E	xxxxx	0.935	F	xxxxx	1.114	+ 0.178 V/C
# 37 7th St & Magnolia Ave	A	xxxxx	0.459	A	xxxxx	0.532	+ 0.073 V/C

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

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

Intersection #1 4th St & Golden Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.045
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.0
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 0	0 1	0	0 0	1! 0	0	0 1	0 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 5:00												
Base Vol:	0	14	12	11	22	2	1	3	0	11	2	13
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	15	12	11	23	2	1	3	0	11	2	14
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	15	12	11	23	2	1	3	0	11	2	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	0	16	14	13	25	2	1	3	0	13	2	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	16	14	13	25	2	1	3	0	13	2	15
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	16	14	13	25	2	1	3	0	13	2	15
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	0.54	0.46	0.31	0.63	0.06	0.25	0.75	0.00	0.42	0.08	0.50
Final Sat.:	0	515	442	279	557	51	215	645	0	391	71	462
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.03	0.03	0.05	0.05	0.05	0.01	0.01	xxxx	0.03	0.03	0.03
Crit Moves:		****		****				****				****
Delay/Veh:	0.0	6.8	6.8	7.2	7.2	7.2	7.1	7.1	0.0	7.0	7.0	7.0
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	6.8	6.8	7.2	7.2	7.2	7.1	7.1	0.0	7.0	7.0	7.0
LOS by Move:	*	A	A	A	A	A	A	A	*	A	A	A
ApproachDel:		6.8			7.2			7.1			7.0	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		6.8			7.2			7.1			7.0	
LOS by Appr:		A			A			A			A	

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #2 3rd St & Golden Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.356
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	22	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
Lanes:	0 1	0 0	0	0 0	0 1	0	0 0	0 0	0	1 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:15												
Base Vol:	5	6	0	0	1	18	0	0	0	3	746	28
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	5	6	0	0	1	19	0	0	0	3	776	29
Added Vol:	0	0	0	0	0	0	0	0	0	63	181	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	5	6	0	0	1	19	0	0	0	66	957	29
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	6	7	0	0	1	21	0	0	0	73	1053	32
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	7	0	0	1	21	0	0	0	73	1053	32
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	6	7	0	0	1	21	0	0	0	73	1053	32
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:	0.45	0.55	0.00	0.00	0.05	0.95	0.00	0.00	0.00	1.00	1.94	0.06
Final Sat.:	727	873	0	0	84	1516	0	0	0	1600	3105	95
Capacity Analysis Module:												
Vol/Sat:	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.05	0.34	0.34
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 Ocean Blvd & Golden Shore Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.861
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Prot+Permit			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	1 0	1 1	0	1 0	2 1	0	1 0	2 1	1
Volume Module: >> Count Date: 4 Nov 2003 << 4:45												
Base Vol:	177	551	132	11	7	1	113	1653	54	149	951	482
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	184	573	137	11	7	1	118	1719	56	155	989	501
Added Vol:	0	0	0	0	0	0	30	225	0	0	209	181
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	184	573	137	11	7	1	148	1944	56	155	1198	682
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	203	631	151	13	8	1	162	2141	62	171	1319	751
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	203	631	151	13	8	1	162	2141	62	171	1319	751
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	203	631	151	13	8	1	162	2141	62	171	1319	751
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	1.00	1.00	1.00	1.75	0.25	1.00	2.92	0.08	1.00	2.55	1.45
Final Sat.:	1600	1600	1600	1600	2800	400	1600	4665	135	1600	4078	2322
Capacity Analysis Module:												
Vol/Sat:	0.13	0.39	0.09	0.01	0.00	0.00	0.10	0.46	0.46	0.11	0.32	0.32
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

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

Intersection #5 4th St & Maine Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.077
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.2
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 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:15												
Base Vol:	12	17	19	7	8	3	2	19	5	10	35	15
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	12	18	20	7	8	3	2	20	5	10	36	16
Added Vol:	0	0	0	0	3	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	12	18	20	7	11	3	2	20	5	10	36	16
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	14	20	22	8	13	3	2	22	6	11	40	17
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	14	20	22	8	13	3	2	22	6	11	40	17
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	14	20	22	8	13	3	2	22	6	11	40	17
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:	0.25	0.35	0.40	0.34	0.52	0.14	0.08	0.73	0.19	0.17	0.58	0.25
Final Sat.:	223	316	353	285	443	122	67	640	168	148	519	222
Capacity Analysis Module:												
Vol/Sat:	0.06	0.06	0.06	0.03	0.03	0.03	0.03	0.03	0.03	0.08	0.08	0.08
Crit Moves:		****			****		****				****	
Delay/Veh:	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.3	7.3
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:	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.3	7.3
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:		7.2			7.2			7.2			7.3	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		7.2			7.2			7.2			7.3	
LOS by Appr:		A			A			A			A	

Long Beach West Gateway
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Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #6 3rd St & Maine Ave

Average Delay (sec/veh): 7.2 Worst Case Level Of Service: E[39.6]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15																				
Base Vol:	78	49	0	0		19	16				0	0	0			39	665	31		
Growth Adj:	1.04	1.04	1.04	1.04		1.04	1.04				1.04	1.04	1.04			1.04	1.04	1.04		
Initial Bse:	81	51	0	0		20	17				0	0	0			41	692	32		
Added Vol:	54	0	0	0		3	0				0	0	0			6	190	0		
PasserByVol:	0	0	0	0		0	0				0	0	0			0	0	0		
Initial Fut:	135	51	0	0		23	17				0	0	0			47	882	32		
User Adj:	1.00	1.00	1.00	1.00		1.00	1.00				1.00	1.00	1.00			1.00	1.00	1.00		
PHF Adj:	0.92	0.92	0.92	0.92		0.92	0.92				0.92	0.92	0.92			0.92	0.92	0.92		
PHF Volume:	146	55	0	0		25	18				0	0	0			50	955	35		
Reduct Vol:	0	0	0	0		0	0				0	0	0			0	0	0		
Final Vol.:	146	55	0	0		25	18				0	0	0			50	955	35		
Critical Gap Module:																				
Critical Gp:	7.1	6.5	xxxxx	xxxxx		6.5	6.2	xxxxx	xxxx	xxxxx						4.1	xxxx	xxxxx		
FollowUpTim:	3.5	4.0	xxxxx	xxxxx		4.0	3.3	xxxxx	xxxx	xxxxx						2.2	xxxx	xxxxx		
Capacity Module:																				
Cnflict Vol:	591	1091	xxxxx	xxxx		1073	495	xxxx	xxxx	xxxxx						0	xxxx	xxxxx		
Potent Cap.:	422	217	xxxxx	xxxx		222	579	xxxx	xxxx	xxxxx						900	xxxx	xxxxx		
Move Cap.:	356	204	xxxxx	xxxx		209	579	xxxx	xxxx	xxxxx						900	xxxx	xxxxx		
Volume/Cap:	0.41	0.27	xxxx	xxxx		0.12	0.03	xxxx	xxxx	xxxx						0.06	xxxx	xxxx		
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx						0.2	xxxx	xxxxx		
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx						9.2	xxxx	xxxxx		
LOS by Move:	*	*	*	*		*	*	*	*	*						A	*	*		
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	296	xxxx	xxxxx	xxxx		xxxx	287	xxxx	xxxx	xxxxx						xxxx	xxxx	xxxxx		
SharedQueue:	4.6	xxxx	xxxxx	xxxxx		xxxx	0.5	xxxxx	xxxx	xxxxx						xxxxx	xxxx	xxxxx		
Shrd StpDel:	39.6	xxxx	xxxxx	xxxxx		xxxx	19.7	xxxxx	xxxx	xxxxx						xxxxx	xxxx	xxxxx		
Shared LOS:	E	*	*	*		*	C	*	*	*						*	*	*		
ApproachDel:		39.6				19.7		xxxxxx								xxxxxx				
ApproachLOS:		E				C		*								*				

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

Intersection #7 Broadway & Maine Ave

Average Delay (sec/veh): OVERFLOW Worst Case Level Of Service: F[xxxxx]

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					Yield Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	1	0	0	1	0	0	0	1	0	2	1	0	0	0	0	0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:45																				
Base Vol:	0	52	124			13	10		0		30	1257		45		0	0		0	
Growth Adj:	1.04	1.04	1.04			1.04	1.04		1.04		1.04	1.04		1.04		1.04	1.04		1.04	
Initial Bse:	0	54	129			14	10		0		31	1307		47		0	0		0	
Added Vol:	0	0	0			7	0		0		54	339		0		0	0		0	
PasserByVol:	0	0	0			0	0		0		0	0		0		0	0		0	
Initial Fut:	0	54	129			21	10		0		85	1646		47		0	0		0	
User Adj:	1.00	1.00	1.00			1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Adj:	0.94	0.94	0.94			0.94	0.94		0.94		0.94	0.94		0.94		0.94	0.94		0.94	
PHF Volume:	0	58	138			22	11		0		91	1759		50		0	0		0	
Reduct Vol:	0	0	0			0	0		0		0	0		0		0	0		0	
Final Vol.:	0	58	138			22	11		0		91	1759		50		0	0		0	
Critical Gap Module:																				
Critical Gp:	xxxxx	6.5	6.2			7.1	6.5		xxxxx		4.1	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
FollowUpTim:	xxxxx	4.0	3.3			3.5	4.0		xxxxx		2.2	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Capacity Module:																				
Cnflict Vol:	xxxx	1966	611			797	1991		xxxxx		0	xxxx		xxxxx		xxxx	xxxx		xxxxx	
Potent Cap.:	xxxx	64	497			307	61		xxxxx		900	xxxx		xxxxx		xxxx	xxxx		xxxxx	
Move Cap.:	xxxx	57	497			0	55		xxxxx		900	xxxx		xxxxx		xxxx	xxxx		xxxxx	
Volume/Cap:	xxxx	1.01	0.28			xxxx	0.20		xxxx		0.10	xxxx		xxxx		xxxx	xxxx		xxxx	
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx			xxxxx	xxxxx		xxxx		xxxxx	0.3		xxxx		xxxxx	xxxxx		xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx			xxxxx	xxxxx		xxxx		xxxxx	9.4		xxxx		xxxxx	xxxxx		xxxx	xxxxx
LOS by Move:	*	*	*			*	*		*		*	A		*		*	*		*	*
Movement:	LT -	LTR -	RT			LT -	LTR -		RT		LT -	LTR -		RT		LT -	LTR -		RT	
Shared Cap.:	xxxx	xxxx	152			0	xxxx		xxxxx		xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx	
SharedQueue:	xxxxx	xxxx	11.7			xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Shrd StpDel:	xxxxx	xxxx	226.9			xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Shared LOS:	*	*	F			*	*		*		*	*		*		*	*		*	
ApproachDel:	226.9					xxxxxx					xxxxxx					xxxxxx				
ApproachLOS:	F					F					*					*				

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

Intersection #8 4th St & Daisy Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.104
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.6
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 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 5:00												
Base Vol:	6	19	22	12	33	25	14	57	2	9	48	10
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	6	20	23	12	34	26	15	59	2	9	50	10
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:	6	20	23	12	34	26	15	59	2	9	50	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
PHF Volume:	7	22	26	14	38	29	16	66	2	10	56	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	22	26	14	38	29	16	66	2	10	56	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	7	22	26	14	38	29	16	66	2	10	56	12
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:	0.13	0.40	0.47	0.17	0.47	0.36	0.19	0.78	0.03	0.13	0.72	0.15
Final Sat.:	108	344	398	144	397	301	156	637	22	111	594	124
Capacity Analysis Module:												
Vol/Sat:	0.06	0.06	0.06	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09
Crit Moves:	****			****			****			****		
Delay/Veh:	7.3	7.3	7.3	7.5	7.5	7.5	7.8	7.8	7.8	7.6	7.6	7.6
Delay Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
AdjDel/Veh:	7.3	7.3	7.3	7.5	7.5	7.5	7.8	7.8	7.8	7.6	7.6	7.6
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	7.3			7.5			7.8			7.6		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	7.3			7.5			7.8			7.6		
LOS by Appr:	A			A			A			A		

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

Intersection #9 3rd St & Daisy Ave

Average Delay (sec/veh): 1.8 Worst Case Level Of Service: C[18.4]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15																				
Base Vol:	26	15		0		0	19		33		0		0		0	19	688		26	
Growth Adj:	1.04	1.04		1.04		1.04	1.04		1.04		1.04		1.04		1.04	1.04	1.04		1.04	
Initial Bse:	27	16		0		0	20		34		0		0		0	20	716		27	
Added Vol:	0	0		0		0	0		0		0		0		0	0	196		0	
PasserByVol:	0	0		0		0	0		0		0		0		0	0	0		0	
Initial Fut:	27	16		0		0	20		34		0		0		0	20	912		27	
User Adj:	1.00	1.00		1.00		1.00	1.00		1.00		1.00		1.00		1.00	1.00	1.00		1.00	
PHF Adj:	0.87	0.87		0.87		0.87	0.87		0.87		0.87		0.87		0.87	0.87	0.87		0.87	
PHF Volume:	31	18		0		0	23		39		0		0		0	23	1047		31	
Reduct Vol:	0	0		0		0	0		0		0		0		0	0	0		0	
Final Vol.:	31	18		0		0	23		39		0		0		0	23	1047		31	
Critical Gap Module:																				
Critical Gp:	7.1	6.5	xxxxx	xxxxx		6.5	6.2	xxxxx	xxxx	xxxxx						4.1	xxxx	xxxxx		
FollowUpTim:	3.5	4.0	xxxxx	xxxxx		4.0	3.3	xxxxx	xxxx	xxxxx						2.2	xxxx	xxxxx		
Capacity Module:																				
Cnflict Vol:	406	1123	xxxxx	xxxx		1107	364	xxxx	xxxx	xxxxx						0	xxxx	xxxxx		
Potent Cap.:	559	207	xxxxx	xxxx		212	685	xxxx	xxxx	xxxxx						900	xxxx	xxxxx		
Move Cap.:	473	202	xxxxx	xxxx		206	685	xxxx	xxxx	xxxxx						900	xxxx	xxxxx		
Volume/Cap:	0.07	0.09	xxxx	xxxx		0.11	0.06	xxxx	xxxx	xxxx						0.03	xxxx	xxxx		
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx						0.1	xxxx	xxxxx		
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx						9.1	xxxx	xxxxx		
LOS by Move:	*	*	*	*		*	*	*	*	*						A	*	*		
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	317	xxxx	xxxxx	xxxx		xxxx	371	xxxx	xxxx	xxxxx						xxxx	xxxx	xxxxx		
SharedQueue:	0.5	xxxx	xxxxx	xxxxx		xxxx	0.6	xxxxx	xxxx	xxxxx						0.1	xxxx	xxxxx		
Shrd StpDel:	18.4	xxxx	xxxxx	xxxxx		xxxx	16.7	xxxxx	xxxx	xxxxx						9.1	xxxx	xxxxx		
Shared LOS:	C	*	*	*		*	C	*	*	*						A	*	*		
ApproachDel:		18.4				16.7		xxxxxx								xxxxxx				
ApproachLOS:		C				C		*								*				

Long Beach West Gateway
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Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #10 Broadway & Daisy Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.305
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 21 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
Lanes:	0 0	0 1	0	1 0	0 0	0	0 1	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:00												
Base Vol:	0	8	46	29	0	0	18	1064	3	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	8	48	30	0	0	19	1107	3	0	0	0
Added Vol:	0	0	0	0	0	0	0	346	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	8	48	30	0	0	19	1453	3	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	0	9	51	32	0	0	20	1557	3	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	9	51	32	0	0	20	1557	3	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	9	51	32	0	0	20	1557	3	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	0.15	0.85	1.00	0.00	0.00	0.05	3.94	0.01	0.00	0.00	0.00
Final Sat.:	0	237	1363	1600	0	0	81	6305	14	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.04	0.04	0.02	0.00	0.00	0.01	0.25	0.25	0.00	0.00	0.00
Crit Moves:		****		****				****				

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Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #11 6th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.649
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	0 0	0 1	0	1 0	1 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	0	351	44	47	282	0	43	1280	38	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	365	46	49	293	0	45	1331	40	0	0	0
Added Vol:	0	67	0	6	134	0	0	12	1	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	432	46	55	427	0	45	1343	41	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	0	444	47	56	440	0	46	1382	42	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	444	47	56	440	0	46	1382	42	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	444	47	56	440	0	46	1382	42	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	0.90	0.10	1.00	1.00	0.00	0.09	2.82	0.09	0.00	0.00	0.00
Final Sat.:	0	1447	153	1600	1600	0	150	4514	136	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.31	0.31	0.04	0.27	0.00	0.03	0.31	0.31	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

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

Intersection #12 5th St & Magnolia Ave

Average Delay (sec/veh): 2.0 Worst Case Level Of Service: C[22.8]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	1 0 0 1 0			1 0 0 1 0			0 0 1! 0 0			0 0 1! 0 0		
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	15	384	13	33	243	27	10	10	11	4	12	37
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	16	399	14	34	253	28	10	10	11	4	12	38
Added Vol:	0	67	0	1	135	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	16	466	14	35	388	28	10	10	11	4	12	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:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	17	518	15	39	431	31	12	12	13	5	14	43
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	17	518	15	39	431	31	12	12	13	5	14	43
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx	7.1	6.5	6.2	7.1	6.5	6.2
FollowUpTim:	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx	3.5	4.0	3.3	3.5	4.0	3.3
Capacity Module:												
Cnflict Vol:	462	xxxx	xxxxx	533	xxxx	xxxxx	1114	1093	446	1097	1101	526
Potent Cap.:	1110	xxxx	xxxxx	1045	xxxx	xxxxx	187	216	616	192	214	556
Move Cap.:	1110	xxxx	xxxxx	1045	xxxx	xxxxx	157	205	616	173	202	556
Volume/Cap:	0.02	xxxx	xxxx	0.04	xxxx	xxxx	0.07	0.06	0.02	0.03	0.07	0.08
Level Of Service Module:												
Queue:	0.0	xxxx	xxxxx	0.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	8.3	xxxx	xxxxx	8.6	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	A	*	*	A	*	*	*	*	*	*	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	238	xxxxx	xxxx	356	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.5	xxxxx	xxxxx	0.6	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	22.8	xxxxx	xxxxx	17.2	xxxxx
Shared LOS:	*	*	*	*	*	*	*	C	*	*	C	*
ApproachDel:	xxxxxx			xxxxxx			22.8			17.2		
ApproachLOS:	*			*			C			C		

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #13 4th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.461
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	27	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
Lanes:	1 0	0 1	0	1 0	0 1	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:15												
Base Vol:	6	396	35	35	229	28	25	47	23	17	35	30
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	6	412	36	36	238	29	26	49	24	18	36	31
Added Vol:	0	67	0	0	135	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	6	479	36	36	373	29	26	49	24	18	36	31
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	7	533	40	40	415	32	29	54	27	20	40	35
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	533	40	40	415	32	29	54	27	20	40	35
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	7	533	40	40	415	32	29	54	27	20	40	35
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	0.93	0.07	1.00	0.93	0.07	0.26	0.50	0.24	0.21	0.43	0.36
Final Sat.:	1600	1487	113	1600	1484	116	421	792	387	332	683	585
Capacity Analysis Module:												
Vol/Sat:	0.00	0.36	0.36	0.03	0.28	0.28	0.02	0.07	0.07	0.01	0.06	0.06
Crit Moves:		****			****			****			****	

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #14 3rd St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.493
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	28	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
Lanes:	1 0	1 0	0	0 0	1 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	78	333	0	0	231	54	0	0	0	77	602	88
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	81	346	0	0	240	56	0	0	0	80	626	92
Added Vol:	0	42	0	0	66	69	0	0	0	10	128	25
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	81	388	0	0	306	125	0	0	0	90	754	117
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	90	432	0	0	341	139	0	0	0	100	839	130
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	90	432	0	0	341	139	0	0	0	100	839	130
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	90	432	0	0	341	139	0	0	0	100	839	130
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	1.00	0.00	0.00	1.42	0.58	0.00	0.00	0.00	0.28	2.36	0.36
Final Sat.:	1600	1600	0	0	2272	928	0	0	0	450	3768	582
Capacity Analysis Module:												
Vol/Sat:	0.06	0.27	0.00	0.00	0.15	0.15	0.00	0.00	0.00	0.06	0.22	0.22
Crit Moves:		****		****							****	

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #15 Broadway & Magnolia Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.481
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 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
Lanes:	0 0	1 1	0	0 1	1 0	0	0 1	2 0	1	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:00												
Base Vol:	0	353	106	49	228	0	57	892	182	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	367	110	51	237	0	59	928	189	0	0	0
Added Vol:	0	30	5	21	55	0	12	246	88	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	397	115	72	292	0	71	1174	277	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	0	411	119	74	302	0	74	1215	287	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	411	119	74	302	0	74	1215	287	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	411	119	74	302	0	74	1215	287	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	1.55	0.45	0.40	1.60	0.00	0.17	2.83	1.00	0.00	0.00	0.00
Final Sat.:	0	2480	720	632	2568	0	275	4525	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.17	0.17	0.05	0.12	0.00	0.05	0.27	0.18	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #16 Ocean Blvd & Magnolia Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.741
Loss Time (sec): 0 (Y+R = 4 sec) 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			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0 2 0 1			1 0 2 0 1			1 0 2 1 0			1 0 3 0 1		
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	82	64	73	200	47	299	110	1594	30	68	1284	90
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	85	67	76	208	49	311	114	1658	31	71	1335	94
Added Vol:	0	0	0	108	0	34	5	220	0	0	355	30
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	85	67	76	316	49	345	119	1878	31	71	1690	124
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	89	69	79	330	51	360	125	1958	33	74	1763	129
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	89	69	79	330	51	360	125	1958	33	74	1763	129
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	89	69	79	330	51	360	125	1958	33	74	1763	129
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	1.00	1.00	2.00	1.00	1.00	2.95	0.05	1.00	3.00	1.00
Final Sat.:	1600	3200	1600	1600	3200	1600	1600	4722	78	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.06	0.02	0.05	0.21	0.02	0.22	0.08	0.41	0.41	0.05	0.37	0.08
Crit Moves:	****					****		****		****		

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

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

Intersection #17 4th St & Chestnut Ave

Average Delay (sec/veh): 3.6 Worst Case Level Of Service: B[11.6]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Stop Sign			Stop Sign			Uncontrolled			Uncontrolled		
Rights:	Include			Include			Include			Include		
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:15												
Base Vol:	10	45	31	8	9	7	10	155	11	14	94	10
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	10	47	32	8	9	7	10	161	11	15	98	10
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:	10	47	32	8	9	7	10	161	11	15	98	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	11	51	35	9	10	8	11	177	13	16	107	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	11	51	35	9	10	8	11	177	13	16	107	11
Critical Gap Module:												
Critical Gp:	7.1	6.5	6.2	7.1	6.5	6.2	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx
FollowUpTim:	3.5	4.0	3.3	3.5	4.0	3.3	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	361	357	183	395	358	113	119	xxxx	xxxxx	190	xxxx	xxxxx
Potent Cap.:	599	572	864	568	572	945	1482	xxxx	xxxxx	1396	xxxx	xxxxx
Move Cap.:	577	561	864	500	561	945	1482	xxxx	xxxxx	1396	xxxx	xxxxx
Volume/Cap:	0.02	0.09	0.04	0.02	0.02	0.01	0.01	xxxx	xxxx	0.01	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	0.0	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	7.4	xxxx	xxxxx	7.6	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	A	*	*	A	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	645	xxxxx	xxxx	608	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	0.5	xxxxx	xxxxx	0.1	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	11.6	xxxxx	xxxxx	11.2	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	B	*	*	B	*	*	*	*	*	*	*
ApproachDel:		11.6			11.2			xxxxxx			xxxxxx	
ApproachLOS:		B			B			*			*	

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #18 3rd St & Chestnut Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.317
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	21	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	93	54	0	0	17	26	0	0	0	82	676	47
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	97	56	0	0	18	27	0	0	0	85	703	49
Added Vol:	0	0	0	0	0	0	0	0	0	0	163	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	97	56	0	0	18	27	0	0	0	85	866	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:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	103	60	0	0	19	29	0	0	0	91	926	52
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	103	60	0	0	19	29	0	0	0	91	926	52
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	103	60	0	0	19	29	0	0	0	91	926	52
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	1.00	0.00	0.00	0.40	0.60	0.00	0.00	0.00	0.25	2.60	0.15
Final Sat.:	1600	1600	0	0	633	967	0	0	0	409	4156	235
Capacity Analysis Module:												
Vol/Sat:	0.06	0.04	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.06	0.22	0.22
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #19 Broadway & Chestnut Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.503
Loss Time (sec): 0 (Y+R = 4 sec) 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			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	1	1 1	0 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	0	114	140	141	27	0	25	1216	4	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	119	146	147	28	0	26	1265	4	0	0	0
Added Vol:	0	0	0	0	0	0	0	272	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	119	146	147	28	0	26	1537	4	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	129	158	159	30	0	28	1667	5	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	129	158	159	30	0	28	1667	5	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	129	158	159	30	0	28	1667	5	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	0.90	1.10	1.68	0.32	0.00	0.05	2.94	0.01	0.00	0.00	0.00
Final Sat.:	0	1436	1764	2686	514	0	80	4708	13	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.09	0.09	0.06	0.06	0.00	0.02	0.35	0.35	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #20 4th St & Cedar Ave

Cycle (sec): 50 Critical Vol./Cap. (X): 0.205
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 18 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
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	8	59	19	13	28	13	13	147	7	9	88	28
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	8	61	20	14	29	14	14	153	7	9	92	29
Added Vol:	0	28	0	0	3	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	8	89	20	14	32	14	14	153	7	9	92	29
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	9	93	21	14	34	14	14	160	8	10	96	30
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	93	21	14	34	14	14	160	8	10	96	30
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	9	93	21	14	34	14	14	160	8	10	96	30
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:	0.07	0.76	0.17	0.23	0.54	0.23	0.08	0.88	0.04	0.07	0.71	0.22
Final Sat.:	113	1217	269	366	869	366	125	1408	67	115	1126	358
Capacity Analysis Module:												
Vol/Sat:	0.01	0.08	0.08	0.01	0.04	0.04	0.01	0.11	0.11	0.01	0.08	0.08
Crit Moves:		****		****				****		****		

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #21 3rd St & Cedar Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.337
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 22 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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	64	42	0	0	29	30	0	0	0	42	683	56
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	67	44	0	0	30	31	0	0	0	44	710	58
Added Vol:	73	28	0	0	3	0	0	0	0	11	90	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	140	72	0	0	33	31	0	0	0	55	800	58
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	148	76	0	0	35	33	0	0	0	58	850	62
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	148	76	0	0	35	33	0	0	0	58	850	62
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	148	76	0	0	35	33	0	0	0	58	850	62
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	1.00	0.00	0.00	0.52	0.48	0.00	0.00	0.00	0.18	2.63	0.19
Final Sat.:	1600	1600	0	0	824	776	0	0	0	287	4206	306
Capacity Analysis Module:												
Vol/Sat:	0.09	0.05	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.04	0.20	0.20
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #22 Broadway & Cedar Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.458
Loss Time (sec): 0 (Y+R = 4 sec) 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:	Split Phase			Split Phase			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	1	1 1	0 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	0	58	125	33	2	0	28	1304	0	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	60	130	34	2	0	29	1356	0	0	0	0
Added Vol:	0	0	0	61	0	0	19	253	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	60	130	95	2	0	48	1609	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	63	137	100	2	0	51	1694	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	63	137	100	2	0	51	1694	0	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	63	137	100	2	0	51	1694	0	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	0.63	1.37	1.96	0.04	0.00	0.09	2.91	0.00	0.00	0.00	0.00
Final Sat.:	0	1014	2186	3132	68	0	139	4661	0	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.06	0.06	0.03	0.03	0.00	0.36	0.36	0.00	0.00	0.00	0.00
Crit Moves:		****			****		****					

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #23 7th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.550
Loss Time (sec):	10 (Y+R = 4 sec)	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:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	1 1	0	0 0	0 0	0	1 0	3 0	1
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	56	463	0	0	321	50	0	0	0	110	859	107
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	58	482	0	0	334	52	0	0	0	114	893	111
Added Vol:	2	70	0	0	66	13	0	0	0	3	49	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	60	552	0	0	400	65	0	0	0	117	942	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:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	66	606	0	0	439	71	0	0	0	129	1036	124
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	66	606	0	0	439	71	0	0	0	129	1036	124
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	66	606	0	0	439	71	0	0	0	129	1036	124
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	1.72	0.28	0.00	0.00	0.00	1.00	3.00	1.00
Final Sat.:	1600	3200	0	0	2753	447	0	0	0	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.04	0.19	0.00	0.00	0.16	0.16	0.00	0.00	0.00	0.08	0.22	0.08
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #24 6th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.742
Loss Time (sec):	10 (Y+R = 4 sec)	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			Prot+Permit			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1 1	0	1 0	2 0	0	1 0	3 0	1	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	0	491	155	98	314	0	46	1308	37	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	511	161	102	327	0	48	1360	38	0	0	0
Added Vol:	0	64	0	4	65	0	8	22	2	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	575	161	106	392	0	56	1382	40	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	0	599	168	110	408	0	58	1440	42	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	599	168	110	408	0	58	1440	42	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	599	168	110	408	0	58	1440	42	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	1.56	0.44	1.00	2.00	0.00	1.00	3.00	1.00	0.00	0.00	0.00
Final Sat.:	0	2499	701	1600	3200	0	1600	4800	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.24	0.24	0.07	0.13	0.00	0.04	0.30	0.03	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #25 4th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.474
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	36	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 1	0	0 1	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 5:00												
Base Vol:	14	624	36	3	230	9	67	67	15	18	43	16
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	15	649	37	3	239	9	70	70	16	19	45	17
Added Vol:	0	64	0	0	67	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	15	713	37	3	306	9	70	70	16	19	45	17
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	16	767	40	3	329	10	75	75	17	20	48	18
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	16	767	40	3	329	10	75	75	17	20	48	18
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	16	767	40	3	329	10	75	75	17	20	48	18
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	1.90	0.10	0.02	1.92	0.06	1.00	0.82	0.18	1.00	0.73	0.27
Final Sat.:	1600	3040	160	31	3075	94	1600	1307	293	1600	1166	434
Capacity Analysis Module:												
Vol/Sat:	0.01	0.25	0.25	0.00	0.11	0.11	0.05	0.06	0.06	0.01	0.04	0.04
Crit Moves:		****					****				****	

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #26 3rd St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.521
Loss Time (sec):	10 (Y+R = 4 sec)	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:	Protected			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	1 0	2 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	99	409	0	0	216	56	0	0	0	143	635	144
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	103	425	0	0	225	58	0	0	0	149	660	150
Added Vol:	16	50	0	0	64	3	0	0	0	11	92	14
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	119	475	0	0	289	61	0	0	0	160	752	164
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	130	518	0	0	315	67	0	0	0	174	821	179
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	130	518	0	0	315	67	0	0	0	174	821	179
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	130	518	0	0	315	67	0	0	0	174	821	179
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	2.00	1.00	0.00	0.00	0.00	1.00	2.46	0.54
Final Sat.:	1600	3200	0	0	3200	1600	0	0	0	1600	3942	858
Capacity Analysis Module:												
Vol/Sat:	0.08	0.16	0.00	0.00	0.10	0.04	0.00	0.00	0.00	0.11	0.21	0.21
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #27 Broadway & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.793
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	59	Level Of Service:	C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 2	0	1	1 0 2	0	0	1 0 2	1	0	0 0 0	0	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	0	432	221	118	178	0	88	1298	88	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	449	230	123	185	0	92	1350	92	0	0	0
Added Vol:	0	34	18	24	55	0	24	227	63	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	483	248	147	240	0	116	1577	155	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	528	271	160	262	0	126	1723	169	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	528	271	160	262	0	126	1723	169	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	528	271	160	262	0	126	1723	169	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	2.00	1.00	1.00	2.00	0.00	1.00	2.73	0.27	0.00	0.00	0.00
Final Sat.:	0	3200	1600	1600	3200	0	1600	4372	428	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.17	0.17	0.10	0.08	0.00	0.08	0.39	0.39	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #28 Ocean Blvd & Pacific Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.702
Loss Time (sec):	0 (Y+R = 4 sec)	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:	Permitted			Permitted			Prot+Permit			Prot+Permit		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1! 0	0	1 1	0 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	14	9	20	156	1	196	171	1840	18	28	1168	120
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	15	9	21	162	1	204	178	1914	19	29	1215	125
Added Vol:	0	0	0	84	0	33	28	317	0	0	381	25
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	15	9	21	246	1	237	206	2231	19	29	1596	150
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	16	10	23	269	1	258	224	2432	20	32	1740	163
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	16	10	23	269	1	258	224	2432	20	32	1740	163
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	16	10	23	269	1	258	224	2432	20	32	1740	163
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:	0.33	0.21	0.46	1.99	0.01	1.00	1.00	2.98	0.02	1.00	3.00	1.00
Final Sat.:	521	335	744	3187	13	1600	1600	4760	40	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.01	0.03	0.03	0.08	0.08	0.16	0.14	0.51	0.51	0.02	0.36	0.10
Crit Moves:	****					****		****		****		

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #29 4th St & Pine Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.394
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	24	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
Lanes:	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 6 Nov 2003 << 5:00												
Base Vol:	16	232	62	39	113	17	19	106	17	15	78	36
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	17	241	64	41	118	18	20	110	18	16	81	37
Added Vol:	0	67	0	0	86	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	17	308	64	41	204	18	20	110	18	16	81	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:	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
PHF Volume:	19	349	73	46	230	20	22	125	20	18	92	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	349	73	46	230	20	22	125	20	18	92	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
Final Vol.:	19	349	73	46	230	20	22	125	20	18	92	42
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	0.83	0.17	1.00	0.92	0.08	1.00	0.86	0.14	1.00	0.68	0.32
Final Sat.:	1600	1323	277	1600	1472	128	1600	1379	221	1600	1095	505
Capacity Analysis Module:												
Vol/Sat:	0.01	0.26	0.26	0.03	0.16	0.16	0.01	0.09	0.09	0.01	0.08	0.08
Crit Moves:		****		****				****		****		

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #30 3rd St & Pine Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.472
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 27 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
Lanes:	1 0	1 0	0	0 0	1 0	1	0 0	0 0	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	71	188	0	0	193	51	0	0	0	91	791	133
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	74	196	0	0	201	53	0	0	0	95	823	138
Added Vol:	25	55	0	0	84	2	0	0	0	38	90	11
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	99	251	0	0	285	55	0	0	0	133	913	149
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	109	275	0	0	313	60	0	0	0	146	1003	164
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	109	275	0	0	313	60	0	0	0	146	1003	164
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	109	275	0	0	313	60	0	0	0	146	1003	164
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	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00	3.00	1.00
Final Sat.:	1600	1600	0	0	1600	1600	0	0	0	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.07	0.17	0.00	0.00	0.20	0.04	0.00	0.00	0.00	0.09	0.21	0.10
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #31 Broadway & Pine Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.778
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 65 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	0	1 0	1 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	0	185	119	66	103	0	40	1458	83	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	192	124	69	107	0	42	1516	86	0	0	0
Added Vol:	0	44	57	65	48	0	26	231	6	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	236	181	134	155	0	68	1747	92	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	0	253	193	143	166	0	72	1869	99	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	253	193	143	166	0	72	1869	99	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	253	193	143	166	0	72	1869	99	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	0.57	0.43	1.00	1.00	0.00	1.00	2.85	0.15	0.00	0.00	0.00
Final Sat.:	0	907	693	1600	1600	0	1600	4559	241	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.28	0.28	0.09	0.10	0.00	0.05	0.41	0.41	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #32 Ocean Blvd & Pine Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.967
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: E

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	0 1	0 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	98	84	108	137	65	132	79	1885	92	56	1124	131
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	102	87	112	142	68	137	82	1960	96	58	1169	136
Added Vol:	150	17	72	14	29	11	35	217	149	101	245	49
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	252	104	184	156	97	148	117	2177	245	159	1414	185
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	265	110	194	165	102	156	123	2290	257	167	1487	195
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	265	110	194	165	102	156	123	2290	257	167	1487	195
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	265	110	194	165	102	156	123	2290	257	167	1487	195
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	1.00	1.00	0.62	0.38	1.00	1.00	2.70	0.30	1.00	3.00	1.00
Final Sat.:	1600	1600	1600	989	611	1600	1600	4315	485	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.17	0.07	0.12	0.10	0.17	0.10	0.08	0.53	0.53	0.10	0.31	0.12
Crit Moves:	****				****			****			****	

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #33 3rd St & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.626
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	39	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Protected			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	0 1	2 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 4:00												
Base Vol:	157	471	0	0	412	169	0	0	0	88	588	168
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	163	490	0	0	428	176	0	0	0	92	612	175
Added Vol:	91	115	0	0	75	43	0	0	0	0	18	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	254	605	0	0	503	219	0	0	0	92	630	175
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	269	639	0	0	532	231	0	0	0	97	665	184
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	269	639	0	0	532	231	0	0	0	97	665	184
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	269	639	0	0	532	231	0	0	0	97	665	184
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	2.00	1.00	0.00	0.00	0.00	0.38	2.62	1.00
Final Sat.:	1600	3200	0	0	3200	1600	0	0	0	609	4191	1600
Capacity Analysis Module:												
Vol/Sat:	0.17	0.20	0.00	0.00	0.17	0.14	0.00	0.00	0.00	0.06	0.16	0.12
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #34 Broadway & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.514
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	39	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	2 0	1	2 0	2 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	0	235	55	89	424	0	67	504	183	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	244	57	93	441	0	70	524	190	0	0	0
Added Vol:	0	64	0	0	75	0	142	63	114	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	308	57	93	516	0	212	587	304	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	334	62	100	559	0	229	636	330	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	334	62	100	559	0	229	636	330	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	334	62	100	559	0	229	636	330	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	2.00	1.00	2.00	2.00	0.00	1.00	2.00	1.00	0.00	0.00	0.00
Final Sat.:	0	3200	1600	3200	3200	0	1600	3200	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.10	0.04	0.03	0.17	0.00	0.14	0.20	0.21	0.00	0.00	0.00
Crit Moves:					****				****			

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #35 Ocean Blvd & Long Beach Blvd

Cycle (sec): 90 Critical Vol./Cap. (X): 0.850
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 124 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			Protected			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 0	0	1 0	1! 0	1	1 0	3 0	0	0 0	3 0	1
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	0	0	0	128	0	247	192	1664	0	0	853	102
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	0	0	133	0	257	200	1731	0	0	887	106
Added Vol:	0	0	0	57	0	131	48	256	0	0	264	17
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	190	0	388	248	1987	0	0	1151	123
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	0	0	0	209	0	427	272	2185	0	0	1266	135
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	209	0	427	272	2185	0	0	1266	135
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	209	0	427	272	2185	0	0	1266	135
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	0.00	0.00	1.00	0.00	2.00	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	1600	0	3200	1600	4800	0	0	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.13	0.00	0.13	0.17	0.46	0.00	0.00	0.26	0.08
Crit Moves:				****				****			****	

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #36 Ocean Blvd & Shoreline Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 1.114
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: F

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
Lanes:	1 0	3 0	1	1 0	2 1	0	1 0	2 1	0	2 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:45												
Base Vol:	53	622	550	92	93	141	310	1669	30	154	834	59
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	55	647	572	96	97	147	322	1736	31	160	867	61
Added Vol:	0	25	143	2	34	56	31	154	0	189	200	3
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	55	672	715	98	131	203	353	1890	31	349	1067	64
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	57	691	736	100	134	208	364	1944	32	359	1098	66
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	57	691	736	100	134	208	364	1944	32	359	1098	66
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	57	691	736	100	134	208	364	1944	32	359	1098	66
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	3.00	1.00	1.00	2.00	1.00	1.00	2.95	0.05	2.00	1.89	0.11
Final Sat.:	1600	4800	1600	1600	3200	1600	1600	4722	78	3200	3018	182
Capacity Analysis Module:												
Vol/Sat:	0.04	0.14	0.46	0.06	0.04	0.13	0.23	0.41	0.41	0.11	0.36	0.36
Crit Moves:			****	****			****				****	

Long Beach West Gateway
Year 2007 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #37 7th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.532
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 6 Nov 2003 << 5:00												
Base Vol:	77	275	0	0	284	46	0	0	0	77	612	90
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	80	286	0	0	295	48	0	0	0	80	636	94
Added Vol:	0	67	0	0	85	0	0	0	0	55	18	3
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	80	353	0	0	380	48	0	0	0	135	654	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:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	85	374	0	0	403	51	0	0	0	143	693	102
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	85	374	0	0	403	51	0	0	0	143	693	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
Final Vol.:	85	374	0	0	403	51	0	0	0	143	693	102
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	1.00	0.00	0.00	0.89	0.11	0.00	0.00	0.00	0.46	2.21	0.33
Final Sat.:	1600	1600	0	0	1421	179	0	0	0	732	3545	523
Capacity Analysis Module:												
Vol/Sat:	0.05	0.23	0.00	0.00	0.28	0.28	0.00	0.00	0.00	0.09	0.20	0.20
Crit Moves:	****				****						****	

CAPACITY ANALYSES

YEAR 2010 – NO-BUILD

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Scenario Report

Scenario:	2010 AM Peak
Command:	2010 AM Peak
Volume:	2010 AM Peak
Geometry:	Existing
Impact Fee:	Default Impact Fee
Trip Generation:	Default Trip Generation
Trip Distribution:	Default Trip Distribution
Paths:	Default Paths
Routes:	Default Routes
Configuration:	Default Configuration

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Trip Generation Report

Forecast for 2010 AM Peak

Zone #	Subzone	Amount	Units	Rate In	Rate Out	Trips In	Trips Out	Total Trips	% Of Total
1	100 E. Ocean	1.00	Apartments	14.00	57.00	14	57	71	3.6
	Zone 1 Subtotal					14	57	71	3.6
2	Promenade -	1.00	Apartments - O	15.00	40.00	15	40	55	2.8
2	Promenade -	1.00	Apartments - G	12.00	27.00	12	27	39	2.0
	Zone 2 Subtotal					27	67	94	4.7
3	Ocean Villas	1.00	Apartments	52.00	209.00	52	209	261	13.2
	Zone 3 Subtotal					52	209	261	13.2
4	Insurance Ex	1.00	Condos & Shopp	9.00	10.00	9	10	19	1.0
	Zone 4 Subtotal					9	10	19	1.0
5	Broadway Lof	1.00	Condos & Shopp	15.00	30.00	15	30	45	2.3
	Zone 5 Subtotal					15	30	45	2.3
6	Promenade -	1.00	Apartments - L	22.00	49.00	22	49	71	3.6
	Zone 6 Subtotal					22	49	71	3.6
7	City Place -	1.00	Shopping Cente	4.00	14.00	4	14	18	0.9
	Zone 7 Subtotal					4	14	18	0.9
8	PCS Apartmen	1.00	Apartments	4.00	17.00	4	17	21	1.1
	Zone 8 Subtotal					4	17	21	1.1
9	City Place L	1.00	Apartments	7.00	27.00	7	27	34	1.7
	Zone 9 Subtotal					7	27	34	1.7
10	4th Street L	1.00	Apartments	7.00	15.00	7	15	22	1.1
	Zone 10 Subtotal					7	15	22	1.1
11	The Pike	1.00	Restaurant	12.00	11.00	12	11	23	1.2
11	The Pike	1.00	Shopping Cente	99.00	63.00	99	63	162	8.2
	Zone 11 Subtotal					111	74	185	9.3
15	Newberry's	1.00	Apartments	3.00	11.00	3	11	14	0.7
	Zone 15 Subtotal					3	11	14	0.7
16	D'Orsay Emba	1.00	Hotel	57.00	24.00	57	24	81	4.1
	Zone 16 Subtotal					57	24	81	4.1
17	Project - Br	1.00	Elementary Sch	137.00	95.00	137	95	232	11.7
	Zone 17 Subtotal					137	95	232	11.7

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Zone #	Subzone	Amount	Units	Rate In	Rate Out	Trips In	Trips Out	Total Trips	% Of Total
18	World Trade	1.00	Condo Units &	63.00	170.00	63	170	233	11.8
	Zone 18 Subtotal					63	170	233	11.8
19	Project - Si	1.00	Apartments	6.00	13.00	6	13	19	1.0
	Zone 19 Subtotal					6	13	19	1.0
20	Project - Si	1.00	Condo Units	31.00	94.00	31	94	125	6.3
	Zone 20 Subtotal					31	94	125	6.3
21	Project - Si	1.00	Condo Units	27.00	81.00	27	81	108	5.5
	Zone 21 Subtotal					27	81	108	5.5
22	Project - Si	1.00	Apartments	32.00	72.00	32	72	104	5.2
22	Project - Si	1.00	Retail	9.00	6.00	9	6	15	0.8
22	Project - Si	1.00	PassBy	-6.00	-6.00	-6	-6	-12	-0.6
22	Project - Si	1.00	Pedestrian	-3.00	0.00	-3	0	-3	-0.2
	Zone 22 Subtotal					32	72	104	5.2
25	Cedar Court	1.00	Apartments	8.00	18.00	8	18	26	1.3
25	Cedar Court	1.00	Retail Stores	3.00	2.00	3	2	5	0.3
25	Cedar Court	1.00	Pedestrian	-3.00	-2.00	-3	-2	-5	-0.3
	Zone 25 Subtotal					8	18	26	1.3
26	Cedar Court	1.00	Office Parking	194.00	26.00	194	26	220	11.1
26	Cedar Court	1.00	Transit	-19.00	-3.00	-19	-3	-22	-1.1
	Zone 26 Subtotal					175	23	198	10.0
TOTAL						811	1170	1981	100.0

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Trip Distribution Report

Percent Of Trips AM Peak

Zone	To Gates 1	2	3	6	8	10	11	14	15	20	41
1	16.0	32.0	0.0	32.0	14.0	6.0	13.0	0.0	0.0	9.0	10.0
2	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
3	16.0	32.0	0.0	32.0	14.0	6.0	13.0	0.0	0.0	9.0	10.0
4	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
5	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
6	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
7	15.0	22.0	42.0	0.0	13.0	6.0	8.0	20.0	0.0	6.0	10.0
8	15.0	22.0	42.0	0.0	13.0	6.0	8.0	20.0	0.0	6.0	10.0
9	13.0	23.0	30.0	0.0	11.0	8.0	10.0	18.0	11.0	7.0	10.0
10	13.0	23.0	30.0	0.0	11.0	8.0	10.0	18.0	11.0	7.0	10.0
11	13.0	6.0	0.0	6.0	31.0	3.0	5.0	0.0	0.0	5.0	4.0
15	13.0	23.0	30.0	0.0	11.0	8.0	10.0	18.0	11.0	7.0	10.0
16	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
17	15.0	26.0	40.0	0.0	14.0	7.0	10.0	14.0	0.0	7.0	7.0
18	15.0	37.0	37.0	0.0	14.0	7.0	10.0	0.0	0.0	10.0	7.0
19	15.0	34.0	34.0	0.0	5.0	10.0	5.0	8.0	8.0	8.0	15.0
20	15.0	42.0	42.0	0.0	5.0	10.0	5.0	0.0	0.0	8.0	15.0
21	15.0	42.0	42.0	0.0	5.0	10.0	5.0	0.0	0.0	8.0	15.0
22	15.0	42.0	42.0	0.0	5.0	10.0	5.0	0.0	0.0	8.0	15.0
25	15.0	34.0	34.0	0.0	5.0	5.0	10.0	8.0	8.0	8.0	15.0
26	15.0	34.0	34.0	0.0	5.0	5.0	10.0	8.0	8.0	8.0	15.0

Zone	To Gates 42
1	0.0
2	0.0
3	0.0
4	0.0
5	0.0
6	0.0
7	0.0
8	0.0
9	0.0
10	0.0
11	33.0
15	0.0
16	0.0
17	0.0
18	0.0
19	0.0
20	0.0
21	0.0

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Zone	To Gates 42
22	0.0
25	0.0
26	0.0

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Turning Movement Report
2010 AM Peak

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#1 4th St & Golden Ave													
Base	0	0	5	2	11	1	0	0	2	28	0	7	57
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	5	2	11	1	0	0	2	28	0	7	57
#2 3rd St & Golden Ave													
Base	2	2	0	0	6	34	0	0	0	11	1090	33	1179
Added	0	0	0	0	0	0	0	0	0	19	281	0	300
Total	2	2	0	0	6	34	0	0	0	30	1371	33	1479
#3 Broadway & Golden Shore Ave													
Base	0	0	0	179	0	0	0	1413	0	0	0	0	1592
Added	0	0	0	19	0	0	0	310	0	0	0	0	329
Total	0	0	0	198	0	0	0	1723	0	0	0	0	1921
#4 Ocean Blvd & Golden Shore Ave													
Base	9	34	82	4	93	41	108	774	85	178	1680	615	3702
Added	0	0	0	0	0	0	40	80	0	0	176	155	451
Total	9	34	82	4	93	41	148	854	85	178	1856	770	4153
#5 4th St & Maine Ave													
Base	0	16	11	4	13	2	1	24	10	18	16	9	123
Added	0	3	10	0	20	0	0	0	0	2	0	0	35
Total	0	19	21	4	33	2	1	24	10	20	16	9	158
#6 3rd St & Maine Ave													
Base	24	13	0	0	11	24	0	0	0	75	1094	25	1264
Added	101	3	0	0	22	4	0	0	0	42	195	7	374
Total	125	16	0	0	33	28	0	0	0	117	1289	32	1638
#7 Broadway & Maine Ave													
Base	0	9	30	16	53	0	10	1374	209	0	0	0	1700
Added	0	0	0	31	0	0	123	323	0	0	0	0	477
Total	0	9	30	47	53	0	133	1697	209	0	0	0	2177
#8 4th St & Daisy Ave													
Base	1	12	12	6	18	2	2	46	2	12	26	11	150
Added	0	0	6	0	0	0	1	9	0	0	2	0	18
Total	1	12	18	6	18	2	3	55	2	12	28	11	168
#9 3rd St & Daisy Ave													
Base	16	15	0	0	16	27	0	0	0	40	1143	24	1280
Added	12	0	0	0	0	0	0	0	0	0	209	6	227
Total	28	15	0	0	16	27	0	0	0	40	1352	30	1507

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#10 Broadway & Daisy Ave													
Base	0	1	7	30	20	0	22	1450	27	0	0	0	1558
Added	0	0	0	0	0	0	12	382	0	0	0	0	394
Total	0	1	7	30	20	0	34	1832	27	0	0	0	1952
#11 6th St & Magnolia Ave													
Base	0	201	55	65	480	0	76	424	36	0	0	0	1337
Added	0	74	0	2	105	0	0	14	7	0	0	0	202
Total	0	275	55	67	585	0	76	438	43	0	0	0	1540
#12 5th St & Magnolia Ave													
Base	5	239	3	9	508	24	3	1	17	9	2	6	826
Added	0	73	0	0	112	0	0	0	0	0	0	1	186
Total	5	312	3	9	620	24	3	1	17	9	2	7	1012
#13 4th St & Magnolia Ave													
Base	4	104	20	17	473	10	11	25	14	18	20	14	730
Added	0	63	2	0	110	2	10	5	0	0	0	0	192
Total	4	167	22	17	583	12	21	30	14	18	20	14	922
#14 3rd St & Magnolia Ave													
Base	87	168	0	0	554	71	0	0	0	255	1067	73	2274
Added	13	45	0	0	36	73	0	0	0	12	112	19	310
Total	100	213	0	0	590	144	0	0	0	267	1179	92	2584
#15 Broadway & Magnolia Ave													
Base	0	72	147	26	589	0	14	1044	429	0	0	0	2320
Added	0	21	29	29	19	0	38	258	124	0	0	0	518
Total	0	93	176	55	608	0	52	1302	553	0	0	0	2838
#16 Ocean Blvd & Magnolia Ave													
Base	21	22	25	203	162	305	132	784	27	143	1835	273	3932
Added	0	0	0	64	0	80	31	49	0	0	250	20	494
Total	21	22	25	267	162	385	163	833	27	143	2085	293	4426
#17 4th St & Chestnut Ave													
Base	10	28	25	6	37	9	6	66	14	9	39	6	255
Added	0	4	0	0	2	0	0	7	0	0	0	0	13
Total	10	32	25	6	39	9	6	73	14	9	39	6	268
#18 3rd St & Chestnut Ave													
Base	28	30	0	0	30	49	0	0	0	150	1341	21	1649
Added	9	4	0	0	0	2	0	0	0	0	102	0	117
Total	37	34	0	0	30	51	0	0	0	150	1443	21	1766

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#19 Broadway & Chestnut Ave													
Base	0	33	47	98	24	0	37	957	24	0	0	0	1220
Added	0	0	0	0	0	0	13	314	0	0	0	0	327
Total	0	33	47	98	24	0	50	1271	24	0	0	0	1547
#20 4th St & Cedar Ave													
Base	2	28	15	10	35	4	7	62	6	6	64	19	260
Added	0	4	0	0	16	0	0	7	0	0	0	0	27
Total	2	32	15	10	51	4	7	69	6	6	64	19	287
#21 3rd St & Cedar Ave													
Base	36	16	0	0	26	75	0	0	0	209	1419	46	1826
Added	10	4	0	0	16	0	0	0	0	58	92	0	180
Total	46	20	0	0	42	75	0	0	0	267	1511	46	2006
#22 Broadway & Cedar Ave													
Base	0	1	3	132	10	0	16	838	228	0	0	0	1227
Added	0	0	0	9	0	0	102	212	0	0	0	0	323
Total	0	1	3	141	10	0	118	1050	228	0	0	0	1550
#23 7th St & Pacific Ave													
Base	47	193	0	0	417	60	0	0	0	193	1425	108	2443
Added	2	53	0	0	26	19	0	0	0	9	59	2	170
Total	49	246	0	0	443	79	0	0	0	202	1484	110	2613
#24 6th St & Pacific Ave													
Base	0	178	102	88	433	0	30	640	22	0	0	0	1493
Added	0	54	0	1	34	0	1	9	1	0	0	0	100
Total	0	232	102	89	467	0	31	649	23	0	0	0	1593
#25 4th St & Pacific Ave													
Base	10	161	18	1	496	9	12	31	36	16	67	9	866
Added	0	50	0	0	35	0	3	3	0	0	0	0	91
Total	10	211	18	1	531	9	15	34	36	16	67	9	957
#26 3rd St & Pacific Ave													
Base	61	117	0	0	347	126	0	0	0	61	1511	35	2258
Added	17	40	0	0	16	19	0	0	0	6	118	10	226
Total	78	157	0	0	363	145	0	0	0	67	1629	45	2484
#27 Broadway & Pacific Ave													
Base	0	173	52	85	408	0	25	752	202	0	0	0	1697
Added	0	27	5	18	15	0	20	184	17	0	0	0	286
Total	0	200	57	103	423	0	45	936	219	0	0	0	1983

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#28 Ocean Blvd & Pacific Ave													
Base	7	2	6	104	3	307	219	719	22	32	1868	196	3487
Added	0	0	0	22	0	10	7	106	0	0	264	26	435
Total	7	2	6	126	3	317	226	825	22	32	2132	222	3922
#29 4th St & Pine Ave													
Base	6	117	25	19	162	21	13	48	15	12	67	19	524
Added	0	51	0	0	29	0	3	0	0	0	0	0	83
Total	6	168	25	19	191	21	16	48	15	12	67	19	607
#30 3rd St & Pine Ave													
Base	55	103	0	0	135	65	0	0	0	76	1548	59	2040
Added	8	40	0	0	24	6	0	0	0	24	120	11	233
Total	63	143	0	0	159	71	0	0	0	100	1668	70	2273
#31 Broadway & Pine Ave													
Base	0	110	43	53	189	0	29	760	105	0	0	0	1289
Added	0	31	21	23	16	0	31	168	1	0	0	0	291
Total	0	141	64	77	205	0	60	928	106	0	0	0	1580
#32 Ocean Blvd & Pine Ave													
Base	44	44	35	40	41	89	71	717	92	46	2024	152	3394
Added	47	5	25	9	4	5	15	92	21	14	238	32	507
Total	91	49	60	49	45	94	86	809	113	60	2262	184	3901
#33 3rd St & Long Beach Blvd													
Base	73	253	0	0	426	187	0	0	0	89	1471	139	2638
Added	64	89	0	0	16	41	0	0	0	0	32	0	242
Total	137	342	0	0	442	228	0	0	0	89	1503	139	2880
#34 Broadway & Long Beach Blvd													
Base	0	402	68	207	304	0	216	1409	89	0	0	0	2695
Added	0	34	0	0	16	0	119	82	82	0	0	0	333
Total	0	436	68	207	320	0	335	1491	171	0	0	0	3028
#35 Ocean Blvd & Long Beach Blvd													
Base	0	0	0	47	0	262	141	521	0	0	2059	107	3137
Added	0	0	0	31	0	67	11	115	0	0	217	23	464
Total	0	0	0	78	0	329	152	636	0	0	2276	130	3601
#36 Ocean Blvd & Shoreline Ave													
Base	28	77	134	52	290	323	114	462	14	456	1889	59	3898
Added	0	2	16	2	3	12	28	130	0	24	82	1	300
Total	28	79	150	54	293	335	142	592	14	480	1971	60	4198

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#37 7th St & Magnolia Ave													
Base	61	161	0	0	264	65	0	0	0	197	1426	63	2237
Added	0	74	0	0	50	0	0	0	0	57	9	8	198
Total	61	235	0	0	314	65	0	0	0	254	1435	71	2435
#41 6th Street and Cedar Ave													
Base	0	0	0	0	0	0	0	0	0	0	0	0	0
Added	0	2	2	0	9	0	0	9	7	0	0	0	29
Total	0	2	2	0	9	0	0	9	7	0	0	0	29
#43 5th Street & Cedar Ave													
Base	0	0	0	0	0	0	0	0	0	0	0	0	0
Added	0	4	0	0	16	0	0	0	0	0	1	0	21
Total	0	4	0	0	16	0	0	0	0	0	1	0	21

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 1 4th St & Golden Ave	A	7.1	0.059	A	7.1	0.059	+ 0.000 V/C
# 2 3rd St & Golden Ave	A	xxxxx	0.473	A	xxxxx	0.583	+ 0.110 V/C
# 4 Ocean Blvd & Golden Shore Ave	A	xxxxx	0.499	A	xxxxx	0.580	+ 0.081 V/C
# 5 4th St & Maine Ave	A	7.2	0.061	A	7.3	0.066	+ 0.005 V/C
# 6 3rd St & Maine Ave	C	23.9	0.000	F	103.8	0.000	+79.977 D/V
# 7 Broadway & Maine Ave	F	92.3	0.000	F	702.0	0.000	+609.720 D/V
# 8 4th St & Daisy Ave	A	7.3	0.067	A	7.3	0.081	+ 0.014 V/C
# 9 3rd St & Daisy Ave	D	33.0	0.000	E	45.6	0.000	+12.583 D/V
# 10 Broadway & Daisy Ave	A	xxxxx	0.270	A	xxxxx	0.334	+ 0.064 V/C
# 11 6th St & Magnolia Ave	A	xxxxx	0.434	A	xxxxx	0.507	+ 0.074 V/C
# 12 5th St & Magnolia Ave	B	14.8	0.000	C	17.5	0.000	+ 2.667 D/V
# 13 4th St & Magnolia Ave	A	xxxxx	0.379	A	xxxxx	0.463	+ 0.084 V/C
# 14 3rd St & Magnolia Ave	B	xxxxx	0.626	C	xxxxx	0.710	+ 0.084 V/C
# 15 Broadway & Magnolia Ave	A	xxxxx	0.485	A	xxxxx	0.583	+ 0.098 V/C
# 16 Ocean Blvd & Magnolia Ave	C	xxxxx	0.703	D	xxxxx	0.831	+ 0.128 V/C
# 17 4th St & Chestnut Ave	B	10.3	0.000	B	10.4	0.000	+ 0.093 D/V
# 18 3rd St & Chestnut Ave	A	xxxxx	0.443	A	xxxxx	0.476	+ 0.033 V/C
# 19 Broadway & Chestnut Ave	A	xxxxx	0.284	A	xxxxx	0.354	+ 0.070 V/C
# 20 4th St & Cedar Ave	A	xxxxx	0.114	A	xxxxx	0.117	+ 0.003 V/C
# 21 3rd St & Cedar Ave	A	xxxxx	0.504	A	xxxxx	0.559	+ 0.055 V/C
# 22 Broadway & Cedar Ave	A	xxxxx	0.286	A	xxxxx	0.358	+ 0.072 V/C
# 23 7th St & Pacific Ave	B	xxxxx	0.649	B	xxxxx	0.679	+ 0.030 V/C
# 24 6th St & Pacific Ave	A	xxxxx	0.425	A	xxxxx	0.445	+ 0.021 V/C

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 25 4th St & Pacific Ave	A	xxxxx	0.394	A	xxxxx	0.410	+ 0.015 V/C
# 26 3rd St & Pacific Ave	B	xxxxx	0.674	C	xxxxx	0.723	+ 0.049 V/C
# 27 Broadway & Pacific Ave	A	xxxxx	0.487	A	xxxxx	0.532	+ 0.045 V/C
# 28 Ocean Blvd & Pacific Ave	C	xxxxx	0.761	D	xxxxx	0.830	+ 0.069 V/C
# 29 4th St & Pine Ave	A	xxxxx	0.231	A	xxxxx	0.257	+ 0.026 V/C
# 30 3rd St & Pine Ave	A	xxxxx	0.483	A	xxxxx	0.532	+ 0.049 V/C
# 31 Broadway & Pine Ave	A	xxxxx	0.338	A	xxxxx	0.427	+ 0.090 V/C
# 32 Ocean Blvd & Pine Ave	A	xxxxx	0.581	B	xxxxx	0.677	+ 0.096 V/C
# 33 3rd St & Long Beach Blvd	C	xxxxx	0.702	C	xxxxx	0.761	+ 0.058 V/C
# 34 Broadway & Long Beach Blvd	B	xxxxx	0.674	C	xxxxx	0.722	+ 0.048 V/C
# 35 Ocean Blvd & Long Beach Blvd	B	xxxxx	0.635	C	xxxxx	0.713	+ 0.077 V/C
# 36 Ocean Blvd & Shoreline Ave	E	xxxxx	0.928	E	xxxxx	0.981	+ 0.053 V/C
# 37 7th St & Magnolia Ave	B	xxxxx	0.625	B	xxxxx	0.674	+ 0.049 V/C

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

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

Intersection #1 4th St & Golden Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.059
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.1
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 0 0 0 1			0 0 1! 0 0			0 0 0 0 1			0 0 1! 0 0		
Volume Module: >> Count Date: 4 Nov 2003 << 7:30												
Base Vol:	0	0	5	2	10	1	0	0	2	26	0	7
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	0	5	2	11	1	0	0	2	28	0	7
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	5	2	11	1	0	0	2	28	0	7
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
PHF Volume:	0	0	8	3	16	2	0	0	3	42	0	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	8	3	16	2	0	0	3	42	0	11
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	8	3	16	2	0	0	3	42	0	11
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	0.00	1.00	0.15	0.77	0.08	0.00	0.00	1.00	0.79	0.00	0.21
Final Sat.:	0	0	1032	136	682	68	0	0	1045	706	0	190
Capacity Analysis Module:												
Vol/Sat:	xxxx	xxxx	0.01	0.02	0.02	0.02	xxxx	xxxx	0.00	0.06	xxxx	0.06
Crit Moves:			****		****				****	****		
Delay/Veh:	0.0	0.0	6.5	7.1	7.1	7.1	0.0	0.0	6.4	7.2	0.0	7.2
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:	0.0	0.0	6.5	7.1	7.1	7.1	0.0	0.0	6.4	7.2	0.0	7.2
LOS by Move:	*	*	A	A	A	A	*	*	A	A	*	A
ApproachDel:	6.5			7.1			6.4			7.2		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	6.5			7.1			6.4			7.2		
LOS by Appr:	A			A			A			A		

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #2 3rd St & Golden Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.583
Loss Time (sec): 0 (Y+R = 4 sec) 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
Lanes:	0 1	0 0	0	0 0	0 1	0	0 0	0 0	0	1 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	2	2	0	0	6	32	0	0	0	10	1019	31
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	2	2	0	0	6	34	0	0	0	11	1090	33
Added Vol:	0	0	0	0	0	0	0	0	0	19	281	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	2	2	0	0	6	34	0	0	0	30	1371	33
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	3	3	0	0	8	43	0	0	0	37	1716	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	3	0	0	8	43	0	0	0	37	1716	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
Final Vol.:	3	3	0	0	8	43	0	0	0	37	1716	42
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:	0.50	0.50	0.00	0.00	0.16	0.84	0.00	0.00	0.00	1.00	1.95	0.05
Final Sat.:	800	800	0	0	253	1347	0	0	0	1600	3124	76
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.02	0.55	0.55
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 Ocean Blvd & Golden Shore Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.580
Loss Time (sec): 0 (Y+R = 4 sec) 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			Prot+Permit			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	1 0	1 1	0	1 0	2 1	0	1 0	2 1	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:15												
Base Vol:	8	32	77	4	87	38	101	723	79	166	1570	575
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	9	34	82	4	93	41	108	774	85	178	1680	615
Added Vol:	0	0	0	0	0	0	40	80	0	0	176	155
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	9	34	82	4	93	41	148	854	85	178	1856	770
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	9	36	87	5	98	43	156	900	89	187	1958	813
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	36	87	5	98	43	156	900	89	187	1958	813
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	9	36	87	5	98	43	156	900	89	187	1958	813
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	1.00	1.00	1.00	1.39	0.61	1.00	2.73	0.27	1.00	2.83	1.17
Final Sat.:	1600	1600	1600	1600	2227	973	1600	4368	432	1600	4523	1877
Capacity Analysis Module:												
Vol/Sat:	0.01	0.02	0.05	0.00	0.04	0.04	0.10	0.21	0.21	0.12	0.43	0.43
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

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

Intersection #5 4th St & Maine Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.066
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.3
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 0	0 1	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	0	15	10	4	12	2	1	22	9	17	15	8
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	16	11	4	13	2	1	24	10	18	16	9
Added Vol:	0	3	10	0	20	0	0	0	0	2	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	19	21	4	33	2	1	24	10	20	16	9
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	0	24	26	5	41	3	1	29	12	25	20	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	24	26	5	41	3	1	29	12	25	20	11
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	24	26	5	41	3	1	29	12	25	20	11
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	0.48	0.52	0.11	0.84	0.05	0.03	0.69	0.28	0.45	0.36	0.19
Final Sat.:	0	438	476	93	710	46	28	605	248	385	306	163
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.05	0.05	0.06	0.06	0.06	0.05	0.05	0.05	0.07	0.07	0.07
Crit Moves:		****			****		****					****
Delay/Veh:	0.0	7.1	7.1	7.4	7.4	7.4	7.2	7.2	7.2	7.4	7.4	7.4
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	7.1	7.1	7.4	7.4	7.4	7.2	7.2	7.2	7.4	7.4	7.4
LOS by Move:	*	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:		7.1			7.4			7.2			7.4	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		7.1			7.4			7.2			7.4	
LOS by Appr:		A			A			A			A	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

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

Intersection #6 3rd St & Maine Ave

Average Delay (sec/veh): 11.1 Worst Case Level Of Service: F[103.8]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:15																				
Base Vol:	22	12	0	0		10	22	0		0	0		0			70	1022		23	
Growth Adj:	1.07	1.07	1.07	1.07		1.07	1.07	1.07		1.07	1.07		1.07			1.07	1.07		1.07	
Initial Bse:	24	13	0	0		11	24	0		0	0		0			75	1094		25	
Added Vol:	101	3	0	0		22	4	0		0	0		0			42	195		7	
PasserByVol:	0	0	0	0		0	0	0		0	0		0			0	0		0	
Initial Fut:	125	16	0	0		33	28	0		0	0		0			117	1289		32	
User Adj:	1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00		1.00			1.00	1.00		1.00	
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		1.00	
PHF Volume:	125	16	0	0		33	28	0		0	0		0			117	1289		32	
Reduct Vol:	0	0	0	0		0	0	0		0	0		0			0	0		0	
Final Vol.:	125	16	0	0		33	28	0		0	0		0			117	1289		32	
Critical Gap Module:																				
Critical Gp:	7.1	6.5	xxxxx	xxxxx		6.5	6.2	xxxxx		xxxx	xxxxx					4.1	xxxx		xxxxx	
FollowUpTim:	3.5	4.0	xxxxx	xxxxx		4.0	3.3	xxxxx		xxxx	xxxxx					2.2	xxxx		xxxxx	
Capacity Module:																				
Cnflict Vol:	894	1554	xxxxx	xxxx		1538	660	xxxx		xxxx	xxxxx					0	xxxx		xxxxx	
Potent Cap.:	264	114	xxxxx	xxxx		117	467	xxxx		xxxx	xxxxx					900	xxxx		xxxxx	
Move Cap.:	169	99	xxxxx	xxxx		102	467	xxxx		xxxx	xxxxx					900	xxxx		xxxxx	
Volume/Cap:	0.74	0.16	xxxx	xxxx		0.32	0.06	xxxx		xxxx	xxxx					0.13	xxxx		xxxx	
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx		xxxx	xxxxx					0.4	xxxx		xxxxx	
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx		xxxx	xxxxx					9.6	xxxx		xxxxx	
LOS by Move:	*	*	*	*		*	*	*		*	*					A	*		*	
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	157	xxxx	xxxxx	xxxx		xxxx	158	xxxx		xxxx	xxxxx					xxxx	xxxx		xxxxx	
SharedQueue:	6.3	xxxx	xxxxx	xxxxx		xxxx	1.6	xxxxx		xxxx	xxxxx					xxxxx	xxxx		xxxxx	
Shrd StpDel:	103.8	xxxx	xxxxx	xxxxx		xxxx	41.1	xxxxx		xxxx	xxxxx					xxxxx	xxxx		xxxxx	
Shared LOS:	F	*	*	*		*	E	*		*	*					*	*		*	
ApproachDel:	103.8					41.1		xxxxxx								xxxxxx				
ApproachLOS:	F					E		*								*				

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

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

Intersection #7 Broadway & Maine Ave

Average Delay (sec/veh): 33.8 Worst Case Level Of Service: F[702.0]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Yield Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	1	0	0	1	0	0	0	1	0	2	1	0	0	0	0	0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45																				
Base Vol:	0	8	28			15	50				0	9	1284			195	0			0
Growth Adj:	1.07	1.07	1.07			1.07	1.07				1.07	1.07	1.07			1.07	1.07			1.07
Initial Bse:	0	9	30			16	53				0	10	1374			209	0			0
Added Vol:	0	0	0			31	0				0	123	323			0	0			0
PasserByVol:	0	0	0			0	0				0	0	0			0	0			0
Initial Fut:	0	9	30			47	53				0	133	1697			209	0			0
User Adj:	1.00	1.00	1.00			1.00	1.00				1.00	1.00	1.00			1.00	1.00			1.00
PHF Adj:	0.93	0.93	0.93			0.93	0.93				0.93	0.93	0.93			0.93	0.93			0.93
PHF Volume:	0	9	32			51	58				0	143	1829			225	0			0
Reduct Vol:	0	0	0			0	0				0	0	0			0	0			0
Final Vol.:	0	9	32			51	58				0	143	1829			225	0			0
Critical Gap Module:																				
Critical Gp:	xxxxx		6.5			6.2	7.1				6.5	xxxxx	4.1			xxxx	xxxxx			xxxxx
FollowUpTim:	xxxxx		4.0			3.3	3.5				4.0	xxxxx	2.2			xxxx	xxxxx			xxxxx
Capacity Module:																				
Cnflict Vol:	xxxx		2227			722	900				2339	xxxxx	0			xxxx	xxxxx			xxxxx
Potent Cap.:	xxxx		44			430	262				37	xxxxx	900			xxxx	xxxxx			xxxxx
Move Cap.:	xxxx		37			430	172				31	xxxxx	900			xxxx	xxxxx			xxxxx
Volume/Cap:	xxxx		0.25			0.08	0.29				1.85	xxxx	0.16			xxxx	xxxx			xxxx
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx			xxxxx	xxxxx				xxxx	xxxxx	0.6			xxxx	xxxxx			xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx			xxxxx	xxxxx				xxxx	xxxxx	9.8			xxxx	xxxxx			xxxxx
LOS by Move:	*	*	*			*	*				*	*	A			*	*			*
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	127			50	xxxx	xxxxx			xxxx	xxxx	xxxxx			xxxx	xxxx	xxxxx		
SharedQueue:	xxxxx	xxxx	1.3			10.9	xxxx	xxxxx			xxxxx	xxxx	xxxxx			xxxxx	xxxx	xxxxx		
Shrd StpDel:	xxxxx	xxxx	46.5			702.0	xxxx	xxxxx			xxxxx	xxxx	xxxxx			xxxxx	xxxx	xxxxx		
Shared LOS:	*	*	E			F	*	*			*	*	*			*	*	*		
ApproachDel:	46.5					702.0					xxxxxx					xxxxxx				
ApproachLOS:	E					F					*					*				

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

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

Intersection #8 4th St & Daisy Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.081
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.3
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 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:00												
Base Vol:	1	11	11	6	17	2	2	43	2	11	24	10
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	1	12	12	6	18	2	2	46	2	12	26	11
Added Vol:	0	0	6	0	0	0	1	9	0	0	2	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	1	12	18	6	18	2	3	55	2	12	28	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
PHF Volume:	1	14	21	8	21	3	4	64	3	14	32	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	14	21	8	21	3	4	64	3	14	32	13
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	1	14	21	8	21	3	4	64	3	14	32	13
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:	0.03	0.38	0.59	0.24	0.68	0.08	0.05	0.91	0.04	0.23	0.56	0.21
Final Sat.:	32	348	525	200	566	67	45	792	31	206	485	188
Capacity Analysis Module:												
Vol/Sat:	0.04	0.04	0.04	0.04	0.04	0.04	0.08	0.08	0.08	0.07	0.07	0.07
Crit Moves:	****				****			****			****	
Delay/Veh:	7.0	7.0	7.0	7.4	7.4	7.4	7.4	7.4	7.4	7.3	7.3	7.3
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:	7.0	7.0	7.0	7.4	7.4	7.4	7.4	7.4	7.4	7.3	7.3	7.3
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	7.0			7.4			7.4			7.3		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	7.0			7.4			7.4			7.3		
LOS by Appr:	A			A			A			A		

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

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

Intersection #9 3rd St & Daisy Ave

Average Delay (sec/veh): 2.6 Worst Case Level Of Service: E[45.6]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:15																				
Base Vol:	15	14	0	0		15	25	0	0	0		37	1068	22						
Growth Adj:	1.07	1.07	1.07	1.07		1.07	1.07	1.07	1.07	1.07		1.07	1.07	1.07						
Initial Bse:	16	15	0	0		16	27	0	0	0		40	1143	24						
Added Vol:	12	0	0	0		0	0	0	0	0		0	209	6						
PasserByVol:	0	0	0	0		0	0	0	0	0		0	0	0						
Initial Fut:	28	15	0	0		16	27	0	0	0		40	1352	30						
User Adj:	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00						
PHF Adj:	0.80	0.80	0.80	0.80		0.80	0.80	0.80	0.80	0.80		0.80	0.80	0.80						
PHF Volume:	35	19	0	0		20	33	0	0	0		49	1681	37						
Reduct Vol:	0	0	0	0		0	0	0	0	0		0	0	0						
Final Vol.:	35	19	0	0		20	33	0	0	0		49	1681	37						
Critical Gap Module:																				
Critical Gp:	7.1	6.5	xxxxx	xxxxx		6.5	6.2	xxxxx	xxxx	xxxxx		4.1	xxxx	xxxxx						
FollowUpTim:	3.5	4.0	xxxxx	xxxxx		4.0	3.3	xxxxx	xxxx	xxxxx		2.2	xxxx	xxxxx						
Capacity Module:																				
Cnflict Vol:	669	1817	xxxxx	xxxx		1798	579	xxxx	xxxx	xxxxx		0	xxxx	xxxxx						
Potent Cap.:	374	79	xxxxx	xxxx		81	519	xxxx	xxxx	xxxxx		900	xxxx	xxxxx						
Move Cap.:	268	74	xxxxx	xxxx		76	519	xxxx	xxxx	xxxxx		900	xxxx	xxxxx						
Volume/Cap:	0.13	0.25	xxxx	xxxx		0.26	0.06	xxxx	xxxx	xxxx		0.05	xxxx	xxxx						
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx		0.2	xxxx	xxxxx						
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx		9.2	xxxx	xxxxx						
LOS by Move:	*	*	*	*		*	*	*	*	*		A	*	*						
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	140	xxxx	xxxxx	xxxx		xxxx	163	xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx						
SharedQueue:	1.6	xxxx	xxxxx	xxxxx		xxxx	1.3	xxxxx	xxxx	xxxxx		0.2	xxxx	xxxxx						
Shrd StpDel:	45.6	xxxx	xxxxx	xxxxx		xxxx	37.3	xxxxx	xxxx	xxxxx		9.2	xxxx	xxxxx						
Shared LOS:	E	*	*	*		*	E	*	*	*		A	*	*						
ApproachDel:	45.6					37.3		xxxxxx				xxxxxx								
ApproachLOS:	E					E		*				*								

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #10 Broadway & Daisy Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.334
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 22 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
Lanes:	0 0	0 1	0	0 1	0 0	0	0 1	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	0	1	7	28	19	0	21	1355	25	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	1	7	30	20	0	22	1450	27	0	0	0
Added Vol:	0	0	0	0	0	0	12	382	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	1	7	30	20	0	34	1832	27	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	0	1	8	31	21	0	36	1912	28	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1	8	31	21	0	36	1912	28	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	1	8	31	21	0	36	1912	28	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	0.13	0.87	0.60	0.40	0.00	0.07	3.87	0.06	0.00	0.00	0.00
Final Sat.:	0	200	1400	953	647	0	117	6193	90	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.01	0.01	0.02	0.03	0.00	0.02	0.31	0.31	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #11 6th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.507
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	29	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
Lanes:	0 0	0 1	0	1 0	1 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 7:30												
Base Vol:	0	188	51	61	449	0	71	396	34	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	201	55	65	480	0	76	424	36	0	0	0
Added Vol:	0	74	0	2	105	0	0	14	7	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	275	55	67	585	0	76	438	43	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	290	57	71	616	0	80	461	46	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	290	57	71	616	0	80	461	46	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	290	57	71	616	0	80	461	46	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	0.83	0.17	1.00	1.00	0.00	0.41	2.36	0.23	0.00	0.00	0.00
Final Sat.:	0	1335	265	1600	1600	0	655	3772	374	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.22	0.22	0.04	0.39	0.00	0.05	0.12	0.12	0.00	0.00	0.00
Crit Moves:	****				****			****				

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

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

Intersection #12 5th St & Magnolia Ave

Average Delay (sec/veh): 0.7 Worst Case Level Of Service: C[17.5]

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Uncontrolled						Uncontrolled						Stop Sign						Stop Sign					
Rights:	Include						Include						Include						Include					
Lanes:	1	0	0	1	0		1	0	0	1	0		0	0	1!	0	0		0	0	1!	0	0	
Volume Module: >> Count Date: 6 Nov 2003 << 7:45																								
Base Vol:	5	223		3			8	475		22			3		1		16		8		2		6	
Growth Adj:	1.07	1.07		1.07			1.07	1.07		1.07			1.07		1.07		1.07		1.07		1.07		1.07	
Initial Bse:	5	239		3			9	508		24			3		1		17		9		2		6	
Added Vol:	0	73		0			0	112		0			0		0		0		0		0		1	
PasserByVol:	0	0		0			0	0		0			0		0		0		0		0		0	
Initial Fut:	5	312		3			9	620		24			3		1		17		9		2		7	
User Adj:	1.00	1.00		1.00			1.00	1.00		1.00			1.00		1.00		1.00		1.00		1.00		1.00	
PHF Adj:	0.99	0.99		0.99			0.99	0.99		0.99			0.99		0.99		0.99		0.99		0.99		0.99	
PHF Volume:	5	316		3			9	630		24			3		1		17		9		2		8	
Reduct Vol:	0	0		0			0	0		0			0		0		0		0		0		0	
Final Vol.:	5	316		3			9	630		24			3		1		17		9		2		8	
Critical Gap Module:																								
Critical Gp:	4.1	xxxx	xxxxx				4.1	xxxx	xxxxx				7.1		6.5		6.2		7.1		6.5		6.2	
FollowUpTim:	2.2	xxxx	xxxxx				2.2	xxxx	xxxxx				3.5		4.0		3.3		3.5		4.0		3.3	
Capacity Module:																								
Cnflict Vol:	654	xxxx	xxxxx				320	xxxx	xxxxx				993		990		642		997		1000		318	
Potent Cap.:	943	xxxx	xxxxx				1252	xxxx	xxxxx				226		249		478		225		245		727	
Move Cap.:	943	xxxx	xxxxx				1252	xxxx	xxxxx				220		245		478		214		242		727	
Volume/Cap:	0.01	xxxx	xxxx				0.01	xxxx	xxxx				0.01		0.00		0.04		0.04		0.01		0.01	
Level Of Service Module:																								
Queue:	0.0	xxxx	xxxxx				0.0	xxxx	xxxxx				xxxxx		xxxx		xxxxx		xxxxx		xxxx		xxxxx	
Stopped Del:	8.8	xxxx	xxxxx				7.9	xxxx	xxxxx				xxxxx		xxxx		xxxxx		xxxxx		xxxx		xxxxx	
LOS by Move:	A	*		*			A	*		*			*		*		*		*		*		*	
Movement:	LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT	
Shared Cap.:	xxxx	xxxx	xxxxx				xxxx	xxxx	xxxxx				xxxx		391		xxxxx		xxxx		307		xxxxx	
SharedQueue:	xxxxx	xxxx	xxxxx				xxxxx	xxxx	xxxxx				xxxxx		0.2		xxxxx		xxxxx		0.2		xxxxx	
Shrd StpDel:	xxxxx	xxxx	xxxxx				xxxxx	xxxx	xxxxx				xxxxx		14.8		xxxxx		xxxxx		17.5		xxxxx	
Shared LOS:	*	*		*			*	*		*			*		B		*		*		C		*	
ApproachDel:	xxxxxx						xxxxxx						14.8						17.5					
ApproachLOS:	*						*						B						C					

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #13 4th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.463
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	27	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
Lanes:	1 0	0 1	0	1 0	0 1	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	4	97	19	16	442	9	10	23	13	17	19	13
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	4	104	20	17	473	10	11	25	14	18	20	14
Added Vol:	0	63	2	0	110	2	10	5	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	4	167	22	17	583	12	21	30	14	18	20	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	5	184	25	19	643	13	23	33	15	20	22	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	184	25	19	643	13	23	33	15	20	22	15
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	5	184	25	19	643	13	23	33	15	20	22	15
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	0.88	0.12	1.00	0.98	0.02	0.32	0.46	0.22	0.35	0.39	0.26
Final Sat.:	1600	1411	189	1600	1569	31	516	738	347	555	620	424
Capacity Analysis Module:												
Vol/Sat:	0.00	0.13	0.13	0.01	0.41	0.41	0.01	0.04	0.04	0.01	0.04	0.04
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #14 3rd St & Magnolia Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.710
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 50 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	0	0 0	1 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:30												
Base Vol:	81	157	0	0	518	66	0	0	0	238	997	68
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	87	168	0	0	554	71	0	0	0	255	1067	73
Added Vol:	13	45	0	0	36	73	0	0	0	12	112	19
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	100	213	0	0	590	144	0	0	0	267	1179	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:	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
PHF Volume:	116	247	0	0	685	167	0	0	0	309	1368	106
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	116	247	0	0	685	167	0	0	0	309	1368	106
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	116	247	0	0	685	167	0	0	0	309	1368	106
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	1.00	0.00	0.00	1.61	0.39	0.00	0.00	0.00	0.52	2.30	0.18
Final Sat.:	1600	1600	0	0	2574	626	0	0	0	833	3681	287
Capacity Analysis Module:												
Vol/Sat:	0.07	0.15	0.00	0.00	0.27	0.27	0.00	0.00	0.00	0.19	0.37	0.37
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #15 Broadway & Magnolia Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.583
Loss Time (sec): 0 (Y+R = 4 sec) 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
Lanes:	0 0	1 1	0	0 1	1 0	0	0 1	2 0	1	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	0	67	137	24	550	0	13	976	401	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	72	147	26	589	0	14	1044	429	0	0	0
Added Vol:	0	21	29	29	19	0	38	258	124	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	93	176	55	608	0	52	1302	553	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	98	185	58	641	0	55	1374	583	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	98	185	58	641	0	55	1374	583	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	98	185	58	641	0	55	1374	583	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	1.00	1.00	0.17	1.83	0.00	0.11	2.89	1.00	0.00	0.00	0.00
Final Sat.:	0	1600	1600	264	2936	0	184	4616	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.06	0.12	0.04	0.22	0.00	0.03	0.30	0.36	0.00	0.00	0.00
Crit Moves:	****				****				****			

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #16 Ocean Blvd & Magnolia Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.831
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	85	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
Lanes:	1 0	2 0	1	1 0	2 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:45 AM												
Base Vol:	20	21	23	190	151	285	123	733	25	134	1715	255
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	21	22	25	203	162	305	132	784	27	143	1835	273
Added Vol:	0	0	0	64	0	80	31	49	0	0	250	20
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	21	22	25	267	162	385	163	833	27	143	2085	293
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	23	24	26	281	170	405	171	876	28	151	2192	308
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	24	26	281	170	405	171	876	28	151	2192	308
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	23	24	26	281	170	405	171	876	28	151	2192	308
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	1.00	1.00	2.00	1.00	1.00	2.91	0.09	1.00	3.00	1.00
Final Sat.:	1600	3200	1600	1600	3200	1600	1600	4651	149	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.01	0.01	0.02	0.18	0.05	0.25	0.11	0.19	0.19	0.09	0.46	0.19
Crit Moves:	****					****	****				****	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

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

Intersection #17 4th St & Chestnut Ave

Average Delay (sec/veh): 5.0 Worst Case Level Of Service: B[10.4]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Stop Sign			Stop Sign			Uncontrolled			Uncontrolled		
Rights:	Include			Include			Include			Include		
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	9	26	23	6	35	8	6	62	13	8	36	6
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	10	28	25	6	37	9	6	66	14	9	39	6
Added Vol:	0	4	0	0	2	0	0	7	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	10	32	25	6	39	9	6	73	14	9	39	6
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
PHF Volume:	11	38	29	8	47	10	8	88	17	10	46	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	11	38	29	8	47	10	8	88	17	10	46	8
Critical Gap Module:												
Critical Gp:	7.1	6.5	6.2	7.1	6.5	6.2	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx
FollowUpTim:	3.5	4.0	3.3	3.5	4.0	3.3	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	210	185	96	215	190	50	54	xxxx	xxxxx	104	xxxx	xxxxx
Potent Cap.:	752	713	966	746	709	1024	1565	xxxx	xxxxx	1500	xxxx	xxxxx
Move Cap.:	700	704	966	687	700	1024	1565	xxxx	xxxxx	1500	xxxx	xxxxx
Volume/Cap:	0.02	0.05	0.03	0.01	0.07	0.01	0.00	xxxx	xxxx	0.01	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	0.0	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	7.3	xxxx	xxxxx	7.4	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	A	*	*	A	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	783	xxxxx	xxxx	735	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	0.3	xxxxx	xxxxx	0.3	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	10.1	xxxxx	xxxxx	10.4	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	B	*	*	B	*	*	*	*	*	*	*
ApproachDel:		10.1			10.4			xxxxxx			xxxxxx	
ApproachLOS:		B			B			*			*	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #18 3rd St & Chestnut Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.476
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 27 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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:15												
Base Vol:	26	28	0	0	28	46	0	0	0	140	1253	20
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	28	30	0	0	30	49	0	0	0	150	1341	21
Added Vol:	9	4	0	0	0	2	0	0	0	0	102	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	37	34	0	0	30	51	0	0	0	150	1443	21
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
PHF Volume:	43	39	0	0	35	59	0	0	0	174	1674	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	43	39	0	0	35	59	0	0	0	174	1674	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	43	39	0	0	35	59	0	0	0	174	1674	25
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	1.00	0.00	0.00	0.37	0.63	0.00	0.00	0.00	0.28	2.68	0.04
Final Sat.:	1600	1600	0	0	590	1010	0	0	0	446	4291	64
Capacity Analysis Module:												
Vol/Sat:	0.03	0.02	0.00	0.00	0.06	0.06	0.00	0.00	0.00	0.11	0.39	0.39
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #19 Broadway & Chestnut Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.354
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 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			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	1	1 1	0 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	0	31	44	92	22	0	35	894	22	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	33	47	98	24	0	37	957	24	0	0	0
Added Vol:	0	0	0	0	0	0	13	314	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	33	47	98	24	0	50	1271	24	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	0	34	49	102	24	0	52	1311	24	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	34	49	102	24	0	52	1311	24	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	34	49	102	24	0	52	1311	24	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	0.83	1.17	1.61	0.39	0.00	0.11	2.84	0.05	0.00	0.00	0.00
Final Sat.:	0	1323	1877	2582	618	0	180	4536	84	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.03	0.03	0.04	0.04	0.00	0.03	0.29	0.29	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #20 4th St & Cedar Ave

Cycle (sec): 50 Critical Vol./Cap. (X): 0.117
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 16 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
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	2	26	14	9	33	4	7	58	6	6	60	18
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	2	28	15	10	35	4	7	62	6	6	64	19
Added Vol:	0	4	0	0	16	0	0	7	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	2	32	15	10	51	4	7	69	6	6	64	19
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
PHF Volume:	3	38	18	12	62	5	9	83	8	8	77	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	38	18	12	62	5	9	83	8	8	77	23
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	3	38	18	12	62	5	9	83	8	8	77	23
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:	0.04	0.65	0.31	0.15	0.79	0.06	0.09	0.83	0.08	0.07	0.72	0.21
Final Sat.:	70	1040	490	236	1259	105	144	1332	124	114	1143	343
Capacity Analysis Module:												
Vol/Sat:	0.00	0.04	0.04	0.01	0.05	0.05	0.01	0.06	0.06	0.00	0.07	0.07
Crit Moves:		****			****			****			****	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #21 3rd St & Cedar Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.559
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:30												
Base Vol:	34	15	0	0	24	70	0	0	0	195	1326	43
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	36	16	0	0	26	75	0	0	0	209	1419	46
Added Vol:	10	4	0	0	16	0	0	0	0	58	92	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	46	20	0	0	42	75	0	0	0	267	1511	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:	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
PHF Volume:	54	23	0	0	48	87	0	0	0	309	1753	53
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	54	23	0	0	48	87	0	0	0	309	1753	53
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	54	23	0	0	48	87	0	0	0	309	1753	53
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	1.00	0.00	0.00	0.36	0.64	0.00	0.00	0.00	0.44	2.48	0.08
Final Sat.:	1600	1600	0	0	572	1028	0	0	0	702	3977	121
Capacity Analysis Module:												
Vol/Sat:	0.03	0.01	0.00	0.00	0.08	0.08	0.00	0.00	0.00	0.19	0.44	0.44
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #22 Broadway & Cedar Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.358
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Split Phase			Split Phase			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	1	1 1	0 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	0	1	3	123	9	0	15	783	213	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	1	3	132	10	0	16	838	228	0	0	0
Added Vol:	0	0	0	9	0	0	102	212	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	1	3	141	10	0	118	1050	228	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	1	3	149	10	0	125	1110	241	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1	3	149	10	0	125	1110	241	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	1	3	149	10	0	125	1110	241	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	0.50	1.50	1.87	0.13	0.00	0.25	2.26	0.49	0.00	0.00	0.00
Final Sat.:	0	800	2400	2995	205	0	406	3610	784	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.05	0.05	0.00	0.31	0.31	0.31	0.00	0.00	0.00
Crit Moves:			****		****		****					

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #23 7th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.679
Loss Time (sec):	10 (Y+R = 4 sec)	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:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	1 1	0	0 0	0 0	0	1 0	3 0	1
Volume Module: >> Count Date: 6 Nov 2003 << 7:15												
Base Vol:	44	180	0	0	390	56	0	0	0	180	1332	101
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	47	193	0	0	417	60	0	0	0	193	1425	108
Added Vol:	2	53	0	0	26	19	0	0	0	9	59	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	49	246	0	0	443	79	0	0	0	202	1484	110
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	53	266	0	0	481	86	0	0	0	219	1610	119
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	53	266	0	0	481	86	0	0	0	219	1610	119
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	53	266	0	0	481	86	0	0	0	219	1610	119
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	1.70	0.30	0.00	0.00	0.00	1.00	3.00	1.00
Final Sat.:	1600	3200	0	0	2716	484	0	0	0	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.03	0.08	0.00	0.00	0.18	0.18	0.00	0.00	0.00	0.14	0.34	0.07
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #24 6th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.445
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	29	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			Prot+Permit			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1 1	0	1 0	2 0	0	1 0	3 0	1	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 7:15												
Base Vol:	0	166	95	82	405	0	28	598	21	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	178	102	88	433	0	30	640	22	0	0	0
Added Vol:	0	54	0	1	34	0	1	9	1	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	232	102	89	467	0	31	649	23	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	245	108	94	495	0	33	687	25	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	245	108	94	495	0	33	687	25	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	245	108	94	495	0	33	687	25	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	1.39	0.61	1.00	2.00	0.00	1.00	3.00	1.00	0.00	0.00	0.00
Final Sat.:	0	2224	976	1600	3200	0	1600	4800	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.11	0.11	0.06	0.15	0.00	0.02	0.14	0.02	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #25 4th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.410
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	28	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:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 1	0	0 1	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	9	150	17	1	464	8	11	29	34	15	63	8
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	10	161	18	1	496	9	12	31	36	16	67	9
Added Vol:	0	50	0	0	35	0	3	3	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	10	211	18	1	531	9	15	34	36	16	67	9
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
PHF Volume:	11	251	22	1	633	10	18	41	43	19	80	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	251	22	1	633	10	18	41	43	19	80	10
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	11	251	22	1	633	10	18	41	43	19	80	10
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	1.84	0.16	0.01	1.96	0.03	1.00	0.48	0.52	1.00	0.89	0.11
Final Sat.:	1600	2945	255	6	3143	51	1600	773	827	1600	1420	180
Capacity Analysis Module:												
Vol/Sat:	0.01	0.09	0.09	0.00	0.20	0.20	0.01	0.05	0.05	0.01	0.06	0.06
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #26 3rd St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.723
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	49	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
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	1 0	2 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:30												
Base Vol:	57	109	0	0	324	118	0	0	0	57	1412	33
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	61	117	0	0	347	126	0	0	0	61	1511	35
Added Vol:	17	40	0	0	16	19	0	0	0	6	118	10
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	78	157	0	0	363	145	0	0	0	67	1629	45
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
PHF Volume:	90	181	0	0	419	168	0	0	0	77	1881	52
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	90	181	0	0	419	168	0	0	0	77	1881	52
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	90	181	0	0	419	168	0	0	0	77	1881	52
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	2.00	1.00	0.00	0.00	0.00	1.00	2.92	0.08
Final Sat.:	1600	3200	0	0	3200	1600	0	0	0	1600	4670	130
Capacity Analysis Module:												
Vol/Sat:	0.06	0.06	0.00	0.00	0.13	0.10	0.00	0.00	0.00	0.05	0.40	0.40
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #27 Broadway & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.532
Loss Time (sec):	10 (Y+R = 4 sec)	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			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 2	0	1	1 0 2	0	0	1 0 2	1	0	0 0 0	0	0
Volume Module: >> Count Date: 5 Nov 2003 << 8:00												
Base Vol:	0	162	49	79	381	0	23	703	189	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	173	52	85	408	0	25	752	202	0	0	0
Added Vol:	0	27	5	18	15	0	20	184	17	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	200	57	103	423	0	45	936	219	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	217	62	111	458	0	48	1015	238	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	217	62	111	458	0	48	1015	238	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	217	62	111	458	0	48	1015	238	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	2.00	1.00	1.00	2.00	0.00	1.00	2.43	0.57	0.00	0.00	0.00
Final Sat.:	0	3200	1600	1600	3200	0	1600	3889	911	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.07	0.04	0.07	0.14	0.00	0.03	0.26	0.26	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #28 Ocean Blvd & Pacific Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.830
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 109 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			Prot+Permit			Prot+Permit		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1! 0	0	1 1	0 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:45												
Base Vol:	7	2	6	97	3	287	205	672	21	30	1746	183
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	7	2	6	104	3	307	219	719	22	32	1868	196
Added Vol:	0	0	0	22	0	10	7	106	0	0	264	26
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	7	2	6	126	3	317	226	825	22	32	2132	222
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	8	2	7	132	3	334	238	868	24	34	2244	233
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	2	7	132	3	334	238	868	24	34	2244	233
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	2	7	132	3	334	238	868	24	34	2244	233
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:	0.47	0.13	0.40	1.95	0.05	1.00	1.00	2.92	0.08	1.00	3.00	1.00
Final Sat.:	747	213	640	3120	80	1600	1600	4673	127	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.00	0.01	0.01	0.04	0.04	0.21	0.15	0.19	0.19	0.02	0.47	0.15
Crit Moves:	****					****	****				****	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #29 4th St & Pine Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.257
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	19	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
Lanes:	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 6 Nov 2003 << 8:00												
Base Vol:	6	109	23	18	151	20	12	45	14	11	63	18
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	6	117	25	19	162	21	13	48	15	12	67	19
Added Vol:	0	51	0	0	29	0	3	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	6	168	25	19	191	21	16	48	15	12	67	19
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
PHF Volume:	8	215	32	25	244	27	20	62	19	15	86	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	215	32	25	244	27	20	62	19	15	86	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	215	32	25	244	27	20	62	19	15	86	25
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	0.87	0.13	1.00	0.90	0.10	1.00	0.76	0.24	1.00	0.78	0.22
Final Sat.:	1600	1395	205	1600	1438	162	1600	1220	380	1600	1244	356
Capacity Analysis Module:												
Vol/Sat:	0.01	0.15	0.15	0.02	0.17	0.17	0.01	0.05	0.05	0.01	0.07	0.07
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #30 3rd St & Pine Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.532
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	1 0	1 0	0	0 0	1 0	1	0 0	0 0	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:30												
Base Vol:	51	96	0	0	126	61	0	0	0	71	1447	55
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	55	103	0	0	135	65	0	0	0	76	1548	59
Added Vol:	8	40	0	0	24	6	0	0	0	24	120	11
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	63	143	0	0	159	71	0	0	0	100	1668	70
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	69	156	0	0	174	78	0	0	0	109	1827	77
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	69	156	0	0	174	78	0	0	0	109	1827	77
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	69	156	0	0	174	78	0	0	0	109	1827	77
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	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00	3.00	1.00
Final Sat.:	1600	1600	0	0	1600	1600	0	0	0	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.04	0.10	0.00	0.00	0.11	0.05	0.00	0.00	0.00	0.07	0.38	0.05
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #31 Broadway & Pine Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.427
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 25 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
Lanes:	0 0	0 1	0	1 0	1 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	0	103	40	50	177	0	27	710	98	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	110	43	53	189	0	29	760	105	0	0	0
Added Vol:	0	31	21	23	16	0	31	168	1	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	141	64	77	205	0	60	928	106	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	154	70	84	224	0	65	1013	116	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	154	70	84	224	0	65	1013	116	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	154	70	84	224	0	65	1013	116	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	0.69	0.31	1.00	1.00	0.00	1.00	2.69	0.31	0.00	0.00	0.00
Final Sat.:	0	1102	498	1600	1600	0	1600	4308	492	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.14	0.14	0.05	0.14	0.00	0.04	0.24	0.24	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #32 Ocean Blvd & Pine Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.677
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	1 0 1	0	1	0 1	0	0	1 1	0	2	1 0 1	0	3
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	41	41	33	37	38	83	66	670	86	43	1892	142
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	44	44	35	40	41	89	71	717	92	46	2024	152
Added Vol:	47	5	25	9	4	5	15	92	21	14	238	32
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	91	49	60	49	45	94	86	809	113	60	2262	184
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	96	52	64	51	47	99	91	856	120	64	2394	195
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	96	52	64	51	47	99	91	856	120	64	2394	195
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	96	52	64	51	47	99	91	856	120	64	2394	195
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	1.00	1.00	0.52	0.48	1.00	1.00	2.63	0.37	1.00	3.00	1.00
Final Sat.:	1600	1600	1600	834	766	1600	1600	4212	588	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.06	0.03	0.04	0.03	0.06	0.06	0.06	0.20	0.20	0.04	0.50	0.12
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #33 3rd St & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.761
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	54	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
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	0 1	2 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:15												
Base Vol:	68	236	0	0	398	175	0	0	0	83	1375	130
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	73	253	0	0	426	187	0	0	0	89	1471	139
Added Vol:	64	89	0	0	16	41	0	0	0	0	32	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	137	342	0	0	442	228	0	0	0	89	1503	139
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
PHF Volume:	155	386	0	0	499	258	0	0	0	100	1699	157
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	155	386	0	0	499	258	0	0	0	100	1699	157
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	155	386	0	0	499	258	0	0	0	100	1699	157
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	2.00	1.00	0.00	0.00	0.00	0.17	2.83	1.00
Final Sat.:	1600	3200	0	0	3200	1600	0	0	0	268	4532	1600
Capacity Analysis Module:												
Vol/Sat:	0.10	0.12	0.00	0.00	0.16	0.16	0.00	0.00	0.00	0.06	0.37	0.10
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #34 Broadway & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.722
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	49	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
Lanes:	0 0	2 0	1	2 0	2 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	0	376	64	193	284	0	202	1317	83	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	402	68	207	304	0	216	1409	89	0	0	0
Added Vol:	0	34	0	0	16	0	119	82	82	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	436	68	207	320	0	335	1491	171	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	0	470	74	222	344	0	361	1605	184	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	470	74	222	344	0	361	1605	184	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	470	74	222	344	0	361	1605	184	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	2.00	1.00	2.00	2.00	0.00	1.00	2.69	0.31	0.00	0.00	0.00
Final Sat.:	0	3200	1600	3200	3200	0	1600	4307	493	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.15	0.05	0.07	0.11	0.00	0.23	0.37	0.37	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #35 Ocean Blvd & Long Beach Blvd

Cycle (sec): 90 Critical Vol./Cap. (X): 0.713
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 65 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Protected			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 0	0	1 0	1! 0	1	1 0	3 0	0	0 0	3 0	1
Volume Module: >> Count Date: 4 Nov 2003 << 7:15 AM												
Base Vol:	0	0	0	44	0	245	132	487	0	0	1924	100
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	0	0	47	0	262	141	521	0	0	2059	107
Added Vol:	0	0	0	31	0	67	11	115	0	0	217	23
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	78	0	329	152	636	0	0	2276	130
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	0	0	0	83	0	349	161	675	0	0	2413	138
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	83	0	349	161	675	0	0	2413	138
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	83	0	349	161	675	0	0	2413	138
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	0.00	0.00	1.00	0.00	2.00	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	1600	0	3200	1600	4800	0	0	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.05	0.00	0.11	0.10	0.14	0.00	0.00	0.50	0.09
Crit Moves:						****	****				****	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #36 Ocean Blvd & Shoreline Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.981
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: E

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	3 0	1	1 0	2 1	0	1 0	2 1	0	2 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	26	72	125	49	271	302	107	432	13	426	1765	55
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	28	77	134	52	290	323	114	462	14	456	1889	59
Added Vol:	0	2	16	2	3	12	28	130	0	24	82	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	28	79	150	54	293	335	142	592	14	480	1971	60
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	29	82	155	56	302	346	147	611	14	495	2034	62
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	29	82	155	56	302	346	147	611	14	495	2034	62
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	29	82	155	56	302	346	147	611	14	495	2034	62
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	3.00	1.00	1.00	2.00	1.00	1.00	2.93	0.07	2.00	1.94	0.06
Final Sat.:	1600	4800	1600	1600	3200	1600	1600	4690	110	3200	3106	94
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.10	0.04	0.09	0.22	0.09	0.13	0.13	0.15	0.65	0.65
Crit Moves:	****					****	****				****	

Long Beach West Gateway
Year 2010 without Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #37 7th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.674
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 6 Nov 2003 << 7:00												
Base Vol:	57	150	0	0	247	61	0	0	0	184	1333	59
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	61	161	0	0	264	65	0	0	0	197	1426	63
Added Vol:	0	74	0	0	50	0	0	0	0	57	9	8
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	61	235	0	0	314	65	0	0	0	254	1435	71
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	64	246	0	0	330	69	0	0	0	267	1508	75
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	64	246	0	0	330	69	0	0	0	267	1508	75
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	64	246	0	0	330	69	0	0	0	267	1508	75
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	1.00	0.00	0.00	0.83	0.17	0.00	0.00	0.00	0.43	2.45	0.12
Final Sat.:	1600	1600	0	0	1325	275	0	0	0	692	3914	194
Capacity Analysis Module:												
Vol/Sat:	0.04	0.15	0.00	0.00	0.25	0.25	0.00	0.00	0.00	0.17	0.39	0.39
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Scenario Report

Scenario:	2010 PM Peak
Command:	2010 PM Peak
Volume:	2010 PM Peak
Geometry:	Existing
Impact Fee:	Default Impact Fee
Trip Generation:	Default Trip Generation
Trip Distribution:	Default Trip Distribution
Paths:	Default Paths
Routes:	Default Routes
Configuration:	Default Configuration

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Trip Generation Report

Forecast for 2010 PM Peak

Zone #	Subzone	Amount	Units	Rate In	Rate Out	Trips In	Trips Out	Total Trips	% Of Total
1	100 E. Ocean	1.00	Apartments	56.00	30.00	56	30	86	2.2
	Zone 1 Subtotal					56	30	86	2.2
2	Promenade -	1.00	Apartments - O	55.00	39.00	55	39	94	2.4
2	Promenade -	1.00	Apartments - G	41.00	31.00	41	31	72	1.9
	Zone 2 Subtotal					96	70	166	4.3
3	Ocean Villas	1.00	Apartments	213.00	110.00	213	110	323	8.4
	Zone 3 Subtotal					213	110	323	8.4
4	Insurance Ex	1.00	Condos & Shopp	26.00	26.00	26	26	52	1.3
	Zone 4 Subtotal					26	26	52	1.3
5	Broadway Lof	1.00	Condos & Shopp	45.00	41.00	45	41	86	2.2
	Zone 5 Subtotal					45	41	86	2.2
6	Promenade -	1.00	Apartments - L	75.00	57.00	75	57	132	3.4
	Zone 6 Subtotal					75	57	132	3.4
7	City Place -	1.00	Shopping Cente	15.00	7.00	15	7	22	0.6
	Zone 7 Subtotal					15	7	22	0.6
8	PCS Apartmen	1.00	Apartments	17.00	9.00	17	9	26	0.7
	Zone 8 Subtotal					17	9	26	0.7
9	City Place L	1.00	Apartments	28.00	14.00	28	14	42	1.1
	Zone 9 Subtotal					28	14	42	1.1
10	4th Street L	1.00	Apartments	25.00	19.00	25	19	44	1.1
	Zone 10 Subtotal					25	19	44	1.1
11	The Pike	1.00	Theatre	95.00	54.00	95	54	149	3.9
11	The Pike	1.00	Restaurant	432.00	288.00	432	288	720	18.6
11	The Pike	1.00	Shopping Cente	284.00	307.00	284	307	591	15.3
11	The Pike	1.00	Night Club	153.00	79.00	153	79	232	6.0
	Zone 11 Subtotal					964	728	1692	43.8
15	Newberry's	1.00	Apartments	11.00	6.00	11	6	17	0.4
	Zone 15 Subtotal					11	6	17	0.4
16	D'Orsay Emba	1.00	Hotel	59.00	74.00	59	74	133	3.4
	Zone 16 Subtotal					59	74	133	3.4

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Zone #	Subzone	Amount	Units	Rate In	Rate Out	Trips In	Trips Out	Total Trips	% Of Total
17	Project - Br	1.00	Elementary Sch	18.00	22.00	18	22	40	1.0
	Zone 17 Subtotal					18	22	40	1.0
18	World Trade	1.00	Condo Units &	180.00	143.00	180	143	323	8.4
	Zone 18 Subtotal					180	143	323	8.4
19	Project - Si	1.00	Apartments	15.00	11.00	15	11	26	0.7
	Zone 19 Subtotal					15	11	26	0.7
20	Project - Si	1.00	Condo Units	90.00	68.00	90	68	158	4.1
	Zone 20 Subtotal					90	68	158	4.1
21	Project - Si	1.00	Condo Units	78.00	58.00	78	58	136	3.5
	Zone 21 Subtotal					78	58	136	3.5
22	Project - Si	1.00	Apartments	78.00	57.00	78	57	135	3.5
22	Project - Si	1.00	Retail	27.00	29.00	27	29	56	1.4
22	Project - Si	1.00	PassBy	-27.00	-27.00	-27	-27	-54	-1.4
22	Project - Si	1.00	Pedestrian	0.00	-2.00	0	-2	-2	-0.1
	Zone 22 Subtotal					78	57	135	3.5
25	Cedar Court	1.00	Apartments	19.00	14.00	19	14	33	0.9
25	Cedar Court	1.00	Retail Stores	6.00	7.00	6	7	13	0.3
25	Cedar Court	1.00	Pedestrian	-6.00	-7.00	-6	-7	-13	-0.3
	Zone 25 Subtotal					19	14	33	0.9
26	Cedar Court	1.00	Office Parking	37.00	180.00	37	180	217	5.6
26	Cedar Court	1.00	Transit	-4.00	-18.00	-4	-18	-22	-0.6
	Zone 26 Subtotal					33	162	195	5.0
TOTAL						2141	1726	3867	100.0

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Trip Distribution Report

Percent Of Trips PM Peak

Zone	To Gates 1	2	3	6	8	10	11	14	15	20	41
1	16.0	32.0	0.0	32.0	14.0	6.0	11.0	0.0	0.0	9.0	12.0
2	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
3	16.0	32.0	0.0	32.0	14.0	6.0	11.0	0.0	0.0	9.0	12.0
4	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
5	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
6	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
7	15.0	22.0	42.0	0.0	13.0	6.0	8.0	20.0	0.0	6.0	10.0
8	15.0	22.0	42.0	0.0	13.0	6.0	8.0	20.0	0.0	6.0	10.0
9	13.0	24.0	28.0	0.0	11.0	6.0	10.0	15.0	11.0	9.0	12.0
10	13.0	24.0	28.0	0.0	11.0	6.0	10.0	15.0	11.0	9.0	12.0
11	12.0	8.0	0.0	8.0	28.0	3.0	6.0	0.0	0.0	5.0	5.0
15	13.0	24.0	28.0	0.0	11.0	6.0	10.0	15.0	11.0	9.0	12.0
16	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
17	15.0	20.0	37.0	0.0	14.0	7.0	10.0	17.0	0.0	9.0	8.0
18	15.0	32.0	32.0	0.0	14.0	7.0	12.0	0.0	0.0	12.0	8.0
19	15.0	34.0	34.0	0.0	5.0	10.0	5.0	8.0	8.0	8.0	15.0
20	15.0	42.0	42.0	0.0	5.0	10.0	5.0	0.0	0.0	8.0	15.0
21	15.0	42.0	42.0	0.0	5.0	10.0	5.0	0.0	0.0	8.0	15.0
22	15.0	42.0	42.0	0.0	5.0	10.0	5.0	0.0	0.0	8.0	15.0
25	15.0	34.0	34.0	0.0	5.0	5.0	10.0	8.0	8.0	8.0	15.0
26	15.0	34.0	34.0	0.0	5.0	5.0	10.0	8.0	8.0	8.0	15.0

Zone	To Gates 42
1	0.0
2	0.0
3	0.0
4	0.0
5	0.0
6	0.0
7	0.0
8	0.0
9	0.0
10	0.0
11	33.0
15	0.0
16	0.0
17	0.0
18	0.0
19	0.0
20	0.0
21	0.0

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Zone	To Gates 42
22	0.0
25	0.0
26	0.0

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Turning Movement Report
2010 PM Peak

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#1 4th St & Golden Ave													
Base	0	15	13	12	24	2	1	3	0	12	2	14	97
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	15	13	12	24	2	1	3	0	12	2	14	97
#2 3rd St & Golden Ave													
Base	5	6	0	0	1	19	0	0	0	3	798	30	863
Added	0	0	0	0	0	0	0	0	0	63	262	0	325
Total	5	6	0	0	1	19	0	0	0	66	1060	30	1188
#3 Broadway & Golden Shore Ave													
Base	0	0	0	60	0	0	0	1365	0	0	0	0	1425
Added	0	0	0	63	0	0	0	503	0	0	0	0	566
Total	0	0	0	123	0	0	0	1868	0	0	0	0	1991
#4 Ocean Blvd & Golden Shore Ave													
Base	189	590	141	12	7	1	121	1769	58	159	1018	516	4581
Added	0	0	0	0	0	0	57	236	0	0	238	188	719
Total	189	590	141	12	7	1	178	2005	58	159	1256	704	5300
#5 4th St & Maine Ave													
Base	13	18	20	7	9	3	2	20	5	11	37	16	163
Added	0	3	8	0	4	0	0	0	0	6	0	0	21
Total	13	21	28	7	13	3	2	20	5	17	37	16	184
#6 3rd St & Maine Ave													
Base	83	52	0	0	20	17	0	0	0	42	712	33	960
Added	54	8	0	0	5	4	0	0	0	6	267	5	349
Total	137	60	0	0	25	21	0	0	0	48	979	38	1309
#7 Broadway & Maine Ave													
Base	0	56	133	14	11	0	32	1345	48	0	0	0	1638
Added	0	0	0	9	0	0	62	474	0	0	0	0	545
Total	0	56	133	23	11	0	94	1819	48	0	0	0	2183
#8 4th St & Daisy Ave													
Base	6	20	24	13	35	27	15	61	2	10	51	11	275
Added	0	0	4	0	0	0	1	7	0	0	6	0	18
Total	6	20	28	13	35	27	16	68	2	10	57	11	293
#9 3rd St & Daisy Ave													
Base	28	16	0	0	20	35	0	0	0	20	736	28	884
Added	9	0	0	0	0	0	0	0	0	0	279	4	292
Total	37	16	0	0	20	35	0	0	0	20	1015	32	1176

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#10 Broadway & Daisy Ave													
Base	0	9	49	31	0	0	19	1138	3	0	0	0	1250
Added	0	0	0	0	0	0	9	461	0	0	0	0	470
Total	0	9	49	31	0	0	28	1599	3	0	0	0	1720
#11 6th St & Magnolia Ave													
Base	0	376	47	50	302	0	46	1370	41	0	0	0	2231
Added	0	84	0	6	195	0	0	15	1	0	0	0	301
Total	0	460	47	56	497	0	46	1385	42	0	0	0	2532
#12 5th St & Magnolia Ave													
Base	16	411	14	35	260	29	11	11	12	4	13	40	855
Added	0	83	0	1	195	0	0	0	0	0	0	0	279
Total	16	494	14	36	455	29	11	11	12	4	13	40	1134
#13 4th St & Magnolia Ave													
Base	6	424	37	37	245	30	27	50	25	18	37	32	969
Added	0	76	1	0	190	5	7	4	0	0	1	0	284
Total	6	500	38	37	435	35	34	54	25	18	38	32	1253
#14 3rd St & Magnolia Ave													
Base	83	356	0	0	247	58	0	0	0	82	644	94	1565
Added	15	48	0	0	80	111	0	0	0	18	174	29	475
Total	98	404	0	0	327	169	0	0	0	100	818	123	2040
#15 Broadway & Magnolia Ave													
Base	0	378	113	52	244	0	61	954	195	0	0	0	1998
Added	0	38	13	35	63	0	25	317	115	0	0	0	606
Total	0	416	126	87	307	0	86	1271	310	0	0	0	2604
#16 Ocean Blvd & Magnolia Ave													
Base	88	68	78	214	50	320	118	1706	32	73	1374	96	4217
Added	0	0	0	115	0	64	17	220	0	0	362	34	812
Total	88	68	78	329	50	384	135	1926	32	73	1736	130	5029
#17 4th St & Chestnut Ave													
Base	11	48	33	9	10	7	11	166	12	15	101	11	432
Added	0	3	0	0	6	0	0	5	0	0	1	0	15
Total	11	51	33	9	16	7	11	171	12	15	102	11	447
#18 3rd St & Chestnut Ave													
Base	100	58	0	0	18	28	0	0	0	88	723	50	1065
Added	7	3	0	0	0	6	0	0	0	0	197	0	213
Total	107	61	0	0	18	34	0	0	0	88	920	50	1278

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#19 Broadway & Chestnut Ave													
Base	0	122	150	151	29	0	27	1301	4	0	0	0	1784
Added	0	0	0	0	0	0	10	322	0	0	0	0	332
Total	0	122	150	151	29	0	37	1623	4	0	0	0	2116
#20 4th St & Cedar Ave													
Base	9	63	20	14	30	14	14	157	7	10	94	30	462
Added	0	28	0	0	3	0	0	5	0	0	1	0	37
Total	9	91	20	14	33	14	14	162	7	10	95	30	499
#21 3rd St & Cedar Ave													
Base	68	45	0	0	31	32	0	0	0	45	731	60	1012
Added	73	28	0	0	3	0	0	0	0	11	124	0	239
Total	141	73	0	0	34	32	0	0	0	56	855	60	1251
#22 Broadway & Cedar Ave													
Base	0	62	134	35	2	0	30	1395	0	0	0	0	1659
Added	0	0	0	61	0	0	19	302	0	0	0	0	382
Total	0	62	134	96	2	0	49	1697	0	0	0	0	2041
#23 7th St & Pacific Ave													
Base	60	495	0	0	343	53	0	0	0	118	919	114	2104
Added	2	75	0	0	72	13	0	0	0	3	90	2	257
Total	62	570	0	0	415	67	0	0	0	121	1009	116	2361
#24 6th St & Pacific Ave													
Base	0	525	166	105	336	0	49	1400	40	0	0	0	2620
Added	0	69	0	4	72	0	8	25	2	0	0	0	180
Total	0	594	166	109	408	0	57	1425	42	0	0	0	2800
#25 4th St & Pacific Ave													
Base	15	668	39	3	246	10	72	72	16	19	46	17	1222
Added	0	66	0	0	73	0	3	3	0	0	0	0	145
Total	15	734	39	3	319	10	75	75	16	19	46	17	1367
#26 3rd St & Pacific Ave													
Base	106	438	0	0	231	60	0	0	0	153	679	154	1821
Added	18	52	0	0	64	9	0	0	0	11	117	14	285
Total	124	490	0	0	295	69	0	0	0	164	796	168	2106
#27 Broadway & Pacific Ave													
Base	0	462	236	126	190	0	94	1389	94	0	0	0	2593
Added	0	36	18	24	55	0	27	271	66	0	0	0	497
Total	0	498	254	150	245	0	121	1660	160	0	0	0	3090

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#28 Ocean Blvd & Pacific Ave													
Base	15	10	21	167	1	210	183	1969	19	30	1250	128	4003
Added	0	0	0	87	0	33	28	324	0	0	392	27	891
Total	15	10	21	254	1	243	211	2293	19	30	1642	155	4894
#29 4th St & Pine Ave													
Base	17	248	66	42	121	18	20	113	18	16	83	39	803
Added	0	69	0	0	92	0	3	0	0	0	0	0	164
Total	17	317	66	42	213	18	23	113	18	16	83	39	967
#30 3rd St & Pine Ave													
Base	76	201	0	0	207	55	0	0	0	97	846	142	1624
Added	25	58	0	0	84	8	0	0	0	38	109	11	333
Total	101	259	0	0	291	63	0	0	0	135	955	153	1957
#31 Broadway & Pine Ave													
Base	0	198	127	71	110	0	43	1560	89	0	0	0	2198
Added	0	44	57	65	48	0	28	273	6	0	0	0	521
Total	0	242	184	136	158	0	71	1833	95	0	0	0	2719
#32 Ocean Blvd & Pine Ave													
Base	105	90	116	147	70	141	85	2017	98	60	1203	140	4270
Added	150	17	72	14	29	11	35	227	149	101	258	49	1112
Total	255	107	188	161	99	152	120	2244	247	161	1461	189	5382
#33 3rd St & Long Beach Blvd													
Base	168	504	0	0	441	181	0	0	0	94	629	180	2197
Added	91	130	0	0	75	63	0	0	0	0	18	0	377
Total	259	634	0	0	516	244	0	0	0	94	647	180	2574
#34 Broadway & Long Beach Blvd													
Base	0	251	59	95	454	0	72	539	196	0	0	0	1666
Added	0	64	0	0	75	0	157	90	114	0	0	0	500
Total	0	315	59	95	529	0	229	629	310	0	0	0	2166
#35 Ocean Blvd & Long Beach Blvd													
Base	0	0	0	137	0	264	205	1780	0	0	913	109	3409
Added	0	0	0	57	0	131	48	266	0	0	277	17	796
Total	0	0	0	194	0	395	253	2046	0	0	1190	126	4205
#36 Ocean Blvd & Shoreline Ave													
Base	57	666	589	98	100	151	332	1786	32	165	892	63	4929
Added	0	25	143	2	34	56	31	164	0	189	213	3	860
Total	57	691	732	100	134	207	363	1950	32	354	1105	66	5789

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#37 7th St & Magnolia Ave													
Base	82	294	0	0	304	49	0	0	0	82	655	96	1563
Added	0	84	0	0	111	0	0	0	0	89	18	6	308
Total	82	378	0	0	415	49	0	0	0	171	673	102	1871
#41 6th Street and Cedar Ave													
Base	0	0	0	0	0	0	0	0	0	0	0	0	0
Added	0	13	15	0	2	0	0	20	1	0	0	0	51
Total	0	13	15	0	2	0	0	20	1	0	0	0	51
#43 5th Street & Cedar Ave													
Base	0	0	0	0	0	0	0	0	0	0	0	0	0
Added	0	28	0	0	3	0	0	1	0	0	0	0	32
Total	0	28	0	0	3	0	0	1	0	0	0	0	32

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 1 4th St & Golden Ave	A	7.0	0.046	A	7.0	0.046	+ 0.000 V/C
# 2 3rd St & Golden Ave	A	xxxxx	0.302	A	xxxxx	0.392	+ 0.090 V/C
# 4 Ocean Blvd & Golden Shore Ave	D	xxxxx	0.833	D	xxxxx	0.887	+ 0.054 V/C
# 5 4th St & Maine Ave	A	7.2	0.080	A	7.3	0.089	+ 0.009 V/C
# 6 3rd St & Maine Ave	C	22.6	0.000	F	66.9	0.000	+44.307 D/V
# 7 Broadway & Maine Ave	F	53.7	0.000	F	OVRFL	0.000	+ 3.4E+0038
# 8 4th St & Daisy Ave	A	7.6	0.108	A	7.7	0.119	+ 0.012 V/C
# 9 3rd St & Daisy Ave	C	15.6	0.000	C	20.4	0.000	+ 4.739 D/V
# 10 Broadway & Daisy Ave	A	xxxxx	0.254	A	xxxxx	0.333	+ 0.079 V/C
# 11 6th St & Magnolia Ave	B	xxxxx	0.616	B	xxxxx	0.678	+ 0.061 V/C
# 12 5th St & Magnolia Ave	C	17.8	0.000	D	26.8	0.000	+ 8.997 D/V
# 13 4th St & Magnolia Ave	A	xxxxx	0.426	A	xxxxx	0.491	+ 0.065 V/C
# 14 3rd St & Magnolia Ave	A	xxxxx	0.438	A	xxxxx	0.522	+ 0.085 V/C
# 15 Broadway & Magnolia Ave	A	xxxxx	0.412	A	xxxxx	0.525	+ 0.113 V/C
# 16 Ocean Blvd & Magnolia Ave	B	xxxxx	0.691	C	xxxxx	0.780	+ 0.090 V/C
# 17 4th St & Chestnut Ave	B	11.7	0.000	B	11.9	0.000	+ 0.163 D/V
# 18 3rd St & Chestnut Ave	A	xxxxx	0.289	A	xxxxx	0.342	+ 0.053 V/C
# 19 Broadway & Chestnut Ave	A	xxxxx	0.454	A	xxxxx	0.529	+ 0.075 V/C
# 20 4th St & Cedar Ave	A	xxxxx	0.192	A	xxxxx	0.214	+ 0.022 V/C
# 21 3rd St & Cedar Ave	A	xxxxx	0.272	A	xxxxx	0.352	+ 0.080 V/C
# 22 Broadway & Cedar Ave	A	xxxxx	0.389	A	xxxxx	0.480	+ 0.090 V/C
# 23 7th St & Pacific Ave	A	xxxxx	0.521	A	xxxxx	0.572	+ 0.051 V/C
# 24 6th St & Pacific Ave	C	xxxxx	0.730	C	xxxxx	0.761	+ 0.030 V/C

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 25 4th St & Pacific Ave	A	xxxxx	0.461	A	xxxxx	0.485	+ 0.024 V/C
# 26 3rd St & Pacific Ave	A	xxxxx	0.474	A	xxxxx	0.538	+ 0.064 V/C
# 27 Broadway & Pacific Ave	C	xxxxx	0.715	D	xxxxx	0.821	+ 0.105 V/C
# 28 Ocean Blvd & Pacific Ave	B	xxxxx	0.625	C	xxxxx	0.721	+ 0.096 V/C
# 29 4th St & Pine Ave	A	xxxxx	0.353	A	xxxxx	0.403	+ 0.051 V/C
# 30 3rd St & Pine Ave	A	xxxxx	0.388	A	xxxxx	0.488	+ 0.100 V/C
# 31 Broadway & Pine Ave	B	xxxxx	0.632	D	xxxxx	0.805	+ 0.173 V/C
# 32 Ocean Blvd & Pine Ave	C	xxxxx	0.714	E	xxxxx	0.989	+ 0.276 V/C
# 33 3rd St & Long Beach Blvd	A	xxxxx	0.549	B	xxxxx	0.638	+ 0.089 V/C
# 34 Broadway & Long Beach Blvd	A	xxxxx	0.453	A	xxxxx	0.524	+ 0.071 V/C
# 35 Ocean Blvd & Long Beach Blvd	C	xxxxx	0.709	D	xxxxx	0.878	+ 0.168 V/C
# 36 Ocean Blvd & Shoreline Ave	E	xxxxx	0.962	F	xxxxx	1.145	+ 0.183 V/C
# 37 7th St & Magnolia Ave	A	xxxxx	0.472	A	xxxxx	0.571	+ 0.098 V/C

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

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

Intersection #1 4th St & Golden Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.046
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.0
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 0	0 1	0	0 0	1! 0	0	0 1	0 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 5:00												
Base Vol:	0	14	12	11	22	2	1	3	0	11	2	13
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	15	13	12	24	2	1	3	0	12	2	14
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	15	13	12	24	2	1	3	0	12	2	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	0	16	14	13	26	2	1	4	0	13	2	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	16	14	13	26	2	1	4	0	13	2	15
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	16	14	13	26	2	1	4	0	13	2	15
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	0.54	0.46	0.31	0.63	0.06	0.25	0.75	0.00	0.42	0.08	0.50
Final Sat.:	0	514	440	279	557	51	215	644	0	391	71	462
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.03	0.03	0.05	0.05	0.05	0.01	0.01	xxxx	0.03	0.03	0.03
Crit Moves:			****		****			****			****	
Delay/Veh:	0.0	6.9	6.9	7.2	7.2	7.2	7.1	7.1	0.0	7.0	7.0	7.0
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	6.9	6.9	7.2	7.2	7.2	7.1	7.1	0.0	7.0	7.0	7.0
LOS by Move:	*	A	A	A	A	A	A	A	*	A	A	A
ApproachDel:		6.9			7.2			7.1			7.0	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		6.9			7.2			7.1			7.0	
LOS by Appr:		A			A			A			A	

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #2 3rd St & Golden Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.392
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 24 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
Lanes:	0 1	0 0	0	0 0	0 1	0	0 0	0 0	0	1 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:15												
Base Vol:	5	6	0	0	1	18	0	0	0	3	746	28
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	5	6	0	0	1	19	0	0	0	3	798	30
Added Vol:	0	0	0	0	0	0	0	0	0	63	262	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	5	6	0	0	1	19	0	0	0	66	1060	30
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	6	7	0	0	1	21	0	0	0	73	1166	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	7	0	0	1	21	0	0	0	73	1166	33
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	6	7	0	0	1	21	0	0	0	73	1166	33
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:	0.45	0.55	0.00	0.00	0.05	0.95	0.00	0.00	0.00	1.00	1.95	0.05
Final Sat.:	727	873	0	0	84	1516	0	0	0	1600	3112	88
Capacity Analysis Module:												
Vol/Sat:	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.05	0.37	0.37
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 Ocean Blvd & Golden Shore Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.887
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Prot+Permit			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	1 0	1 1	0	1 0	2 1	0	1 0	2 1	1
Volume Module: >> Count Date: 4 Nov 2003 << 4:45												
Base Vol:	177	551	132	11	7	1	113	1653	54	149	951	482
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	189	590	141	12	7	1	121	1769	58	159	1018	516
Added Vol:	0	0	0	0	0	0	57	236	0	0	238	188
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	189	590	141	12	7	1	178	2005	58	159	1256	704
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	209	649	156	13	8	1	196	2208	64	176	1383	775
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	209	649	156	13	8	1	196	2208	64	176	1383	775
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	209	649	156	13	8	1	196	2208	64	176	1383	775
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	1.00	1.00	1.00	1.75	0.25	1.00	2.92	0.08	1.00	2.56	1.44
Final Sat.:	1600	1600	1600	1600	2800	400	1600	4666	134	1600	4101	2299
Capacity Analysis Module:												
Vol/Sat:	0.13	0.41	0.10	0.01	0.00	0.00	0.12	0.47	0.47	0.11	0.34	0.34
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

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

Intersection #5 4th St & Maine Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.089
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.3
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 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:15												
Base Vol:	12	17	19	7	8	3	2	19	5	10	35	15
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	13	18	20	7	9	3	2	20	5	11	37	16
Added Vol:	0	3	8	0	4	0	0	0	0	6	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	13	21	28	7	13	3	2	20	5	17	37	16
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	14	23	31	8	14	4	2	22	6	18	41	18
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	14	23	31	8	14	4	2	22	6	18	41	18
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	14	23	31	8	14	4	2	22	6	18	41	18
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:	0.21	0.34	0.45	0.32	0.54	0.14	0.08	0.73	0.19	0.24	0.53	0.23
Final Sat.:	185	304	407	271	454	116	66	632	166	208	466	200
Capacity Analysis Module:												
Vol/Sat:	0.08	0.08	0.08	0.03	0.03	0.03	0.04	0.04	0.04	0.09	0.09	0.09
Crit Moves:	****			****					****	****		
Delay/Veh:	7.2	7.2	7.2	7.3	7.3	7.3	7.2	7.2	7.2	7.4	7.4	7.4
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:	7.2	7.2	7.2	7.3	7.3	7.3	7.2	7.2	7.2	7.4	7.4	7.4
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	7.2			7.3			7.2			7.4		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	7.2			7.3			7.2			7.4		
LOS by Appr:	A			A			A			A		

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

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

Intersection #6 3rd St & Maine Ave

Average Delay (sec/veh): 11.2 Worst Case Level Of Service: F[66.9]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15																				
Base Vol:	78	49	0	0		19	16				0	0	0			39	665	31		
Growth Adj:	1.07	1.07	1.07	1.07		1.07	1.07				1.07	1.07	1.07			1.07	1.07	1.07		
Initial Bse:	83	52	0	0		20	17				0	0	0			42	712	33		
Added Vol:	54	8	0	0		5	4				0	0	0			6	267	5		
PasserByVol:	0	0	0	0		0	0				0	0	0			0	0	0		
Initial Fut:	137	60	0	0		25	21				0	0	0			48	979	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:	0.92	0.92	0.92	0.92		0.92	0.92				0.92	0.92	0.92			0.92	0.92	0.92		
PHF Volume:	149	65	0	0		27	23				0	0	0			52	1060	41		
Reduct Vol:	0	0	0	0		0	0				0	0	0			0	0	0		
Final Vol.:	149	65	0	0		27	23				0	0	0			52	1060	41		
Critical Gap Module:																				
Critical Gp:	7.1	6.5	xxxxx	xxxxx		6.5	6.2				xxxxx	xxxx	xxxxx			4.1	xxxx	xxxxx		
FollowUpTim:	3.5	4.0	xxxxx	xxxxx		4.0	3.3				xxxxx	xxxx	xxxxx			2.2	xxxx	xxxxx		
Capacity Module:																				
Cnflict Vol:	647	1205	xxxxx	xxxx		1184	551				xxxx	xxxx	xxxxx			0	xxxx	xxxxx		
Potent Cap.:	387	185	xxxxx	xxxx		191	538				xxxx	xxxx	xxxxx			900	xxxx	xxxxx		
Move Cap.:	313	175	xxxxx	xxxx		180	538				xxxx	xxxx	xxxxx			900	xxxx	xxxxx		
Volume/Cap:	0.48	0.37	xxxx	xxxx		0.15	0.04				xxxx	xxxx	xxxx			0.06	xxxx	xxxx		
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx				xxxxx	xxxx	xxxxx			0.2	xxxx	xxxxx		
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx				xxxxx	xxxx	xxxxx			9.2	xxxx	xxxxx		
LOS by Move:	*	*	*	*		*	*				*	*	*			A	*	*		
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	252	xxxx	xxxxx	xxxx		xxxx	258				xxxx	xxxx	xxxxx			xxxx	xxxx	xxxxx		
SharedQueue:	6.9	xxxx	xxxxx	xxxxx		xxxx	0.7				xxxxx	xxxx	xxxxx			xxxxx	xxxx	xxxxx		
Shrd StpDel:	66.9	xxxx	xxxxx	xxxxx		xxxx	22.3				xxxxx	xxxx	xxxxx			xxxxx	xxxx	xxxxx		
Shared LOS:	F	*	*	*		*	C				*	*	*			*	*	*		
ApproachDel:		66.9				22.3					xxxxxx					xxxxxx				
ApproachLOS:		F				C					*					*				

Long Beach West Gateway
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Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #7 Broadway & Maine Ave

Average Delay (sec/veh): OVERFLOW Worst Case Level Of Service: F[xxxxx]

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					Yield Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	1	0	0	1	0	0	0	1	0	2	1	0	0	0	0	0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:45																				
Base Vol:	0	52	124			13	10		0		30	1257		45		0	0		0	
Growth Adj:	1.07	1.07	1.07			1.07	1.07		1.07		1.07	1.07		1.07		1.07	1.07		1.07	
Initial Bse:	0	56	133			14	11		0		32	1345		48		0	0		0	
Added Vol:	0	0	0			9	0		0		62	474		0		0	0		0	
PasserByVol:	0	0	0			0	0		0		0	0		0		0	0		0	
Initial Fut:	0	56	133			23	11		0		94	1819		48		0	0		0	
User Adj:	1.00	1.00	1.00			1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Adj:	0.94	0.94	0.94			0.94	0.94		0.94		0.94	0.94		0.94		0.94	0.94		0.94	
PHF Volume:	0	59	142			24	11		0		101	1943		51		0	0		0	
Reduct Vol:	0	0	0			0	0		0		0	0		0		0	0		0	
Final Vol.:	0	59	142			24	11		0		101	1943		51		0	0		0	
Critical Gap Module:																				
Critical Gp:	xxxxx	6.5	6.2			7.1	6.5		xxxxx		4.1	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
FollowUpTim:	xxxxx	4.0	3.3			3.5	4.0		xxxxx		2.2	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Capacity Module:																				
Cnflict Vol:	xxxx	2170	674			879	2196		xxxxx		0	xxxx		xxxxx		xxxx	xxxx		xxxxx	
Potent Cap.:	xxxx	47	458			270	46		xxxxx		900	xxxx		xxxxx		xxxx	xxxx		xxxxx	
Move Cap.:	xxxx	42	458			0	41		xxxxx		900	xxxx		xxxxx		xxxx	xxxx		xxxxx	
Volume/Cap:	xxxx	1.41	0.31			xxxx	0.28		xxxx		0.11	xxxx		xxxx		xxxx	xxxx		xxxx	
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx			xxxxx	xxxxx		xxxx		xxxxx	0.4		xxxx		xxxxx	xxxxx		xxxx	
Stopped Del:	xxxxx	xxxx	xxxxx			xxxxx	xxxxx		xxxx		xxxxx	9.5		xxxx		xxxxx	xxxxx		xxxx	
LOS by Move:	*	*	*			*	*		*		*	A		*		*	*		*	
Movement:	LT -	LTR -	RT			LT -	LTR -		RT		LT -	LTR -		RT		LT -	LTR -		RT	
Shared Cap.:	xxxx	xxxx	117			0	xxxx		xxxxx		xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx	
SharedQueue:	xxxxx	xxxx	15.4			xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Shrd StpDel:	xxxxx	xxxx	422.3			xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Shared LOS:	*	*	F			*	*		*		*	*		*		*	*		*	
ApproachDel:	422.3					xxxxxx					xxxxxx					xxxxxx				
ApproachLOS:	F					F					*					*				

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

Intersection #8 4th St & Daisy Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.119
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.7
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 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 5:00												
Base Vol:	6	19	22	12	33	25	14	57	2	9	48	10
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	6	20	24	13	35	27	15	61	2	10	51	11
Added Vol:	0	0	4	0	0	0	1	7	0	0	6	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	6	20	28	13	35	27	16	68	2	10	57	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
PHF Volume:	7	23	31	14	40	30	18	76	2	11	64	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	23	31	14	40	30	18	76	2	11	64	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	7	23	31	14	40	30	18	76	2	11	64	12
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:	0.12	0.37	0.51	0.17	0.47	0.36	0.19	0.79	0.02	0.12	0.74	0.14
Final Sat.:	99	315	426	142	390	296	150	639	20	102	606	113
Capacity Analysis Module:												
Vol/Sat:	0.07	0.07	0.07	0.10	0.10	0.10	0.12	0.12	0.12	0.11	0.11	0.11
Crit Moves:		****			****			****			****	
Delay/Veh:	7.4	7.4	7.4	7.6	7.6	7.6	7.9	7.9	7.9	7.7	7.7	7.7
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:	7.4	7.4	7.4	7.6	7.6	7.6	7.9	7.9	7.9	7.7	7.7	7.7
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:		7.4			7.6			7.9			7.7	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		7.4			7.6			7.9			7.7	
LOS by Appr:		A			A			A			A	

Long Beach West Gateway
Year 2010 without Project
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Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #9 3rd St & Daisy Ave

Average Delay (sec/veh): 2.0 Worst Case Level Of Service: C[20.4]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15																				
Base Vol:	26	15		0		0	19		33		0		0		0	19	688		26	
Growth Adj:	1.07	1.07		1.07		1.07	1.07		1.07		1.07		1.07		1.07	1.07	1.07		1.07	
Initial Bse:	28	16		0		0	20		35		0		0		0	20	736		28	
Added Vol:	9	0		0		0	0		0		0		0		0	0	279		4	
PasserByVol:	0	0		0		0	0		0		0		0		0	0	0		0	
Initial Fut:	37	16		0		0	20		35		0		0		0	20	1015		32	
User Adj:	1.00	1.00		1.00		1.00	1.00		1.00		1.00		1.00		1.00	1.00	1.00		1.00	
PHF Adj:	0.87	0.87		0.87		0.87	0.87		0.87		0.87		0.87		0.87	0.87	0.87		0.87	
PHF Volume:	42	18		0		0	23		41		0		0		0	23	1166		37	
Reduct Vol:	0	0		0		0	0		0		0		0		0	0	0		0	
Final Vol.:	42	18		0		0	23		41		0		0		0	23	1166		37	
Critical Gap Module:																				
Critical Gp:	7.1	6.5	xxxxx	xxxxx		6.5	6.2	xxxxx	xxxx	xxxxx						4.1	xxxx	xxxxx		
FollowUpTim:	3.5	4.0	xxxxx	xxxxx		4.0	3.3	xxxxx	xxxx	xxxxx						2.2	xxxx	xxxxx		
Capacity Module:																				
Cnflict Vol:	447	1249	xxxxx	xxxx		1230	407	xxxx	xxxx	xxxxx						0	xxxx	xxxxx		
Potent Cap.:	525	175	xxxxx	xxxx		179	649	xxxx	xxxx	xxxxx						900	xxxx	xxxxx		
Move Cap.:	433	170	xxxxx	xxxx		174	649	xxxx	xxxx	xxxxx						900	xxxx	xxxxx		
Volume/Cap:	0.10	0.11	xxxx	xxxx		0.13	0.06	xxxx	xxxx	xxxx						0.03	xxxx	xxxx		
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx						0.1	xxxx	xxxxx		
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx						9.1	xxxx	xxxxx		
LOS by Move:	*	*	*	*		*	*	*	*	*						A	*	*		
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	295	xxxx	xxxxx	xxxx		xxxx	325	xxxx	xxxx	xxxxx						xxxx	xxxx	xxxxx		
SharedQueue:	0.8	xxxx	xxxxx	xxxxx		xxxx	0.7	xxxxx	xxxx	xxxxx						0.1	xxxx	xxxxx		
Shrd StpDel:	20.4	xxxx	xxxxx	xxxxx		xxxx	18.8	xxxxx	xxxx	xxxxx						9.1	xxxx	xxxxx		
Shared LOS:	C	*	*	*		*	C	*	*	*						A	*	*		
ApproachDel:		20.4				18.8		xxxxxx								xxxxxx				
ApproachLOS:		C				C		*								*				

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #10 Broadway & Daisy Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.333
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 22 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
Lanes:	0 0	0 1	0	1 0	0 0	0	0 1	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:00												
Base Vol:	0	8	46	29	0	0	18	1064	3	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	9	49	31	0	0	19	1138	3	0	0	0
Added Vol:	0	0	0	0	0	0	9	461	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	9	49	31	0	0	28	1599	3	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	0	9	53	33	0	0	30	1714	3	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	9	53	33	0	0	30	1714	3	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	9	53	33	0	0	30	1714	3	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	0.15	0.85	1.00	0.00	0.00	0.07	3.92	0.01	0.00	0.00	0.00
Final Sat.:	0	237	1363	1600	0	0	111	6277	13	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.04	0.04	0.02	0.00	0.00	0.02	0.27	0.27	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #11 6th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.678
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	0 0	0 1	0	1 0	1 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	0	351	44	47	282	0	43	1280	38	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	376	47	50	302	0	46	1370	41	0	0	0
Added Vol:	0	84	0	6	195	0	0	15	1	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	460	47	56	497	0	46	1385	42	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	0	473	48	58	511	0	47	1424	43	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	473	48	58	511	0	47	1424	43	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	473	48	58	511	0	47	1424	43	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	0.91	0.09	1.00	1.00	0.00	0.09	2.83	0.08	0.00	0.00	0.00
Final Sat.:	0	1451	149	1600	1600	0	150	4514	136	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.33	0.33	0.04	0.32	0.00	0.03	0.32	0.32	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

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

Intersection #12 5th St & Magnolia Ave

Average Delay (sec/veh): 2.1 Worst Case Level Of Service: D[26.8]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	1 0 0 1 0			1 0 0 1 0			0 0 1! 0 0			0 0 1! 0 0		
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	15	384	13	33	243	27	10	10	11	4	12	37
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	16	411	14	35	260	29	11	11	12	4	13	40
Added Vol:	0	83	0	1	195	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	16	494	14	36	455	29	11	11	12	4	13	40
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	18	549	15	40	506	32	12	12	13	5	14	44
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	18	549	15	40	506	32	12	12	13	5	14	44
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx	7.1	6.5	6.2	7.1	6.5	6.2
FollowUpTim:	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx	3.5	4.0	3.3	3.5	4.0	3.3
Capacity Module:												
Cnflict Vol:	538	xxxx	xxxxx	564	xxxx	xxxxx	1224	1202	522	1207	1211	556
Potent Cap.:	1041	xxxx	xxxxx	1018	xxxx	xxxxx	157	186	559	162	184	534
Move Cap.:	1041	xxxx	xxxxx	1018	xxxx	xxxxx	130	176	559	143	174	534
Volume/Cap:	0.02	xxxx	xxxx	0.04	xxxx	xxxx	0.09	0.07	0.02	0.03	0.08	0.08
Level Of Service Module:												
Queue:	0.1	xxxx	xxxxx	0.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	8.5	xxxx	xxxxx	8.7	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	A	*	*	A	*	*	*	*	*	*	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	202	xxxxx	xxxx	319	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.7	xxxxx	xxxxx	0.7	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	26.8	xxxxx	xxxxx	19.1	xxxxx
Shared LOS:	*	*	*	*	*	*	*	D	*	*	C	*
ApproachDel:	xxxxxx			xxxxxx			26.8			19.1		
ApproachLOS:	*			*			D			C		

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #13 4th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.491
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	28	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
Lanes:	1 0	0 1	0	1 0	0 1	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:15												
Base Vol:	6	396	35	35	229	28	25	47	23	17	35	30
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	6	424	37	37	245	30	27	50	25	18	37	32
Added Vol:	0	76	1	0	190	5	7	4	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	6	500	38	37	435	35	34	54	25	18	38	32
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	7	556	43	42	484	39	38	60	27	20	43	36
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	556	43	42	484	39	38	60	27	20	43	36
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	7	556	43	42	484	39	38	60	27	20	43	36
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	0.93	0.07	1.00	0.93	0.07	0.30	0.48	0.22	0.20	0.44	0.36
Final Sat.:	1600	1486	114	1600	1481	119	479	771	350	328	693	579
Capacity Analysis Module:												
Vol/Sat:	0.00	0.37	0.37	0.03	0.33	0.33	0.02	0.08	0.08	0.01	0.06	0.06
Crit Moves:		****		****				****		****		

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #14 3rd St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.522
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	1 0	1 0	0	0 0	1 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	78	333	0	0	231	54	0	0	0	77	602	88
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	83	356	0	0	247	58	0	0	0	82	644	94
Added Vol:	15	48	0	0	80	111	0	0	0	18	174	29
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	98	404	0	0	327	169	0	0	0	100	818	123
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	110	450	0	0	364	188	0	0	0	112	910	137
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	110	450	0	0	364	188	0	0	0	112	910	137
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	110	450	0	0	364	188	0	0	0	112	910	137
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	1.00	0.00	0.00	1.32	0.68	0.00	0.00	0.00	0.29	2.36	0.35
Final Sat.:	1600	1600	0	0	2111	1089	0	0	0	463	3770	568
Capacity Analysis Module:												
Vol/Sat:	0.07	0.28	0.00	0.00	0.17	0.17	0.00	0.00	0.00	0.07	0.24	0.24
Crit Moves:		****		****							****	

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #15 Broadway & Magnolia Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.525
Loss Time (sec): 0 (Y+R = 4 sec) 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
Lanes:	0 0	1 1	0	0 1	1 0	0	0 1	2 0	1	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:00												
Base Vol:	0	353	106	49	228	0	57	892	182	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	378	113	52	244	0	61	954	195	0	0	0
Added Vol:	0	38	13	35	63	0	25	317	115	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	416	126	87	307	0	86	1271	310	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	0	430	131	91	318	0	89	1316	321	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	430	131	91	318	0	89	1316	321	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	430	131	91	318	0	89	1316	321	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	1.53	0.47	0.44	1.56	0.00	0.19	2.81	1.00	0.00	0.00	0.00
Final Sat.:	0	2454	746	709	2491	0	304	4496	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.18	0.18	0.06	0.13	0.00	0.06	0.29	0.20	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #16 Ocean Blvd & Magnolia Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.780
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	65	Level Of Service:	C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	1	1 0	2 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	82	64	73	200	47	299	110	1594	30	68	1284	90
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	88	68	78	214	50	320	118	1706	32	73	1374	96
Added Vol:	0	0	0	115	0	64	17	220	0	0	362	34
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	88	68	78	329	50	384	135	1926	32	73	1736	130
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	91	71	81	343	52	400	140	2008	33	76	1810	136
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	91	71	81	343	52	400	140	2008	33	76	1810	136
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	91	71	81	343	52	400	140	2008	33	76	1810	136
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	1.00	1.00	2.00	1.00	1.00	2.95	0.05	1.00	3.00	1.00
Final Sat.:	1600	3200	1600	1600	3200	1600	1600	4721	79	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.06	0.02	0.05	0.21	0.02	0.25	0.09	0.43	0.43	0.05	0.38	0.08
Crit Moves:	****					****		****		****		

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

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

Intersection #17 4th St & Chestnut Ave

Average Delay (sec/veh): 3.8 Worst Case Level Of Service: B[11.9]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Stop Sign			Stop Sign			Uncontrolled			Uncontrolled		
Rights:	Include			Include			Include			Include		
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:15												
Base Vol:	10	45	31	8	9	7	10	155	11	14	94	10
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	11	48	33	9	10	7	11	166	12	15	101	11
Added Vol:	0	3	0	0	6	0	0	5	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	11	51	33	9	16	7	11	171	12	15	102	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	12	56	36	9	17	8	12	188	13	16	112	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	12	56	36	9	17	8	12	188	13	16	112	12
Critical Gap Module:												
Critical Gp:	7.1	6.5	6.2	7.1	6.5	6.2	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx
FollowUpTim:	3.5	4.0	3.3	3.5	4.0	3.3	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	381	374	194	414	375	118	123	xxxx	xxxxx	201	xxxx	xxxxx
Potent Cap.:	581	560	852	552	559	940	1476	xxxx	xxxxx	1383	xxxx	xxxxx
Move Cap.:	553	549	852	480	548	940	1476	xxxx	xxxxx	1383	xxxx	xxxxx
Volume/Cap:	0.02	0.10	0.04	0.02	0.03	0.01	0.01	xxxx	xxxx	0.01	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	0.0	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	7.5	xxxx	xxxxx	7.6	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	A	*	*	A	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	627	xxxxx	xxxx	583	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	0.6	xxxxx	xxxxx	0.2	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	11.9	xxxxx	xxxxx	11.6	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	B	*	*	B	*	*	*	*	*	*	*
ApproachDel:		11.9			11.6			xxxxxx			xxxxxx	
ApproachLOS:		B			B			*			*	

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #18 3rd St & Chestnut Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.342
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 22 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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	93	54	0	0	17	26	0	0	0	82	676	47
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	100	58	0	0	18	28	0	0	0	88	723	50
Added Vol:	7	3	0	0	0	6	0	0	0	0	197	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	107	61	0	0	18	34	0	0	0	88	920	50
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	114	65	0	0	19	36	0	0	0	94	984	54
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	114	65	0	0	19	36	0	0	0	94	984	54
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	114	65	0	0	19	36	0	0	0	94	984	54
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	1.00	0.00	0.00	0.35	0.65	0.00	0.00	0.00	0.25	2.61	0.14
Final Sat.:	1600	1600	0	0	560	1040	0	0	0	398	4174	228
Capacity Analysis Module:												
Vol/Sat:	0.07	0.04	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.06	0.24	0.24
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #19 Broadway & Chestnut Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.529
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 39 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Permitted			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	1	1 1	0 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	0	114	140	141	27	0	25	1216	4	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	122	150	151	29	0	27	1301	4	0	0	0
Added Vol:	0	0	0	0	0	0	10	322	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	122	150	151	29	0	37	1623	4	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	132	162	164	31	0	40	1760	5	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	132	162	164	31	0	40	1760	5	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	132	162	164	31	0	40	1760	5	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	0.90	1.10	1.68	0.32	0.00	0.07	2.92	0.01	0.00	0.00	0.00
Final Sat.:	0	1436	1764	2686	514	0	106	4682	12	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.09	0.09	0.06	0.06	0.00	0.02	0.38	0.38	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #20 4th St & Cedar Ave

Cycle (sec):	50	Critical Vol./Cap. (X):	0.214
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	18	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
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	8	59	19	13	28	13	13	147	7	9	88	28
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	9	63	20	14	30	14	14	157	7	10	94	30
Added Vol:	0	28	0	0	3	0	0	5	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	9	91	20	14	33	14	14	162	7	10	95	30
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	9	95	21	15	34	15	15	170	8	10	100	31
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	95	21	15	34	15	15	170	8	10	100	31
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	9	95	21	15	34	15	15	170	8	10	100	31
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:	0.07	0.76	0.17	0.23	0.54	0.23	0.08	0.88	0.04	0.07	0.71	0.22
Final Sat.:	114	1215	271	366	868	366	121	1414	65	114	1130	356
Capacity Analysis Module:												
Vol/Sat:	0.01	0.08	0.08	0.01	0.04	0.04	0.01	0.12	0.12	0.01	0.09	0.09
Crit Moves:		****		****				****		****		

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #21 3rd St & Cedar Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.352
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	22	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	64	42	0	0	29	30	0	0	0	42	683	56
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	68	45	0	0	31	32	0	0	0	45	731	60
Added Vol:	73	28	0	0	3	0	0	0	0	11	124	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	141	73	0	0	34	32	0	0	0	56	855	60
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	150	77	0	0	36	34	0	0	0	59	907	64
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	150	77	0	0	36	34	0	0	0	59	907	64
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	150	77	0	0	36	34	0	0	0	59	907	64
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	1.00	0.00	0.00	0.51	0.49	0.00	0.00	0.00	0.17	2.64	0.19
Final Sat.:	1600	1600	0	0	823	777	0	0	0	277	4227	296
Capacity Analysis Module:												
Vol/Sat:	0.09	0.05	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.04	0.21	0.21
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #22 Broadway & Cedar Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.480
Loss Time (sec): 0 (Y+R = 4 sec) 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:	Split Phase			Split Phase			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	1	1 1	0 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	0	58	125	33	2	0	28	1304	0	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	62	134	35	2	0	30	1395	0	0	0	0
Added Vol:	0	0	0	61	0	0	19	302	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	62	134	96	2	0	49	1697	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	65	141	101	2	0	52	1787	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	65	141	101	2	0	52	1787	0	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	65	141	101	2	0	52	1787	0	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	0.63	1.37	1.96	0.04	0.00	0.08	2.92	0.00	0.00	0.00	0.00
Final Sat.:	0	1014	2186	3130	70	0	135	4665	0	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.06	0.06	0.03	0.03	0.00	0.38	0.38	0.00	0.00	0.00	0.00
Crit Moves:		****			****		****					

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #23 7th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.572
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	36	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	1 1	0	0 0	0 0	0	1 0	3 0	1
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	56	463	0	0	321	50	0	0	0	110	859	107
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	60	495	0	0	343	53	0	0	0	118	919	114
Added Vol:	2	75	0	0	72	13	0	0	0	3	90	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	62	570	0	0	415	67	0	0	0	121	1009	116
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	68	627	0	0	457	73	0	0	0	133	1109	128
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	68	627	0	0	457	73	0	0	0	133	1109	128
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	68	627	0	0	457	73	0	0	0	133	1109	128
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	1.72	0.28	0.00	0.00	0.00	1.00	3.00	1.00
Final Sat.:	1600	3200	0	0	2758	442	0	0	0	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.04	0.20	0.00	0.00	0.17	0.17	0.00	0.00	0.00	0.08	0.23	0.08
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #24 6th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.761
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	54	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			Prot+Permit			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1 1	0	1 0	2 0	0	1 0	3 0	1	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	0	491	155	98	314	0	46	1308	37	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	525	166	105	336	0	49	1400	40	0	0	0
Added Vol:	0	69	0	4	72	0	8	25	2	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	594	166	109	408	0	57	1425	42	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	0	619	173	113	425	0	60	1484	43	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	619	173	113	425	0	60	1484	43	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	619	173	113	425	0	60	1484	43	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	1.56	0.44	1.00	2.00	0.00	1.00	3.00	1.00	0.00	0.00	0.00
Final Sat.:	0	2502	698	1600	3200	0	1600	4800	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.25	0.25	0.07	0.13	0.00	0.04	0.31	0.03	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #25 4th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.485
Loss Time (sec):	10 (Y+R = 4 sec)	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:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 1	0	0 1	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 5:00												
Base Vol:	14	624	36	3	230	9	67	67	15	18	43	16
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	15	668	39	3	246	10	72	72	16	19	46	17
Added Vol:	0	66	0	0	73	0	3	3	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	15	734	39	3	319	10	75	75	16	19	46	17
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	16	789	41	3	343	10	80	80	17	21	49	18
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	16	789	41	3	343	10	80	80	17	21	49	18
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	16	789	41	3	343	10	80	80	17	21	49	18
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	1.90	0.10	0.02	1.92	0.06	1.00	0.82	0.18	1.00	0.73	0.27
Final Sat.:	1600	3040	160	31	3076	93	1600	1317	283	1600	1166	434
Capacity Analysis Module:												
Vol/Sat:	0.01	0.26	0.26	0.00	0.11	0.11	0.05	0.06	0.06	0.01	0.04	0.04
Crit Moves:		****					****				****	

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #26 3rd St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.538
Loss Time (sec):	10 (Y+R = 4 sec)	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:	Protected			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	1 0	2 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	99	409	0	0	216	56	0	0	0	143	635	144
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	106	438	0	0	231	60	0	0	0	153	679	154
Added Vol:	18	52	0	0	64	9	0	0	0	11	117	14
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	124	490	0	0	295	69	0	0	0	164	796	168
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	135	534	0	0	322	75	0	0	0	179	869	183
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	135	534	0	0	322	75	0	0	0	179	869	183
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	135	534	0	0	322	75	0	0	0	179	869	183
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	2.00	1.00	0.00	0.00	0.00	1.00	2.48	0.52
Final Sat.:	1600	3200	0	0	3200	1600	0	0	0	1600	3964	836
Capacity Analysis Module:												
Vol/Sat:	0.08	0.17	0.00	0.00	0.10	0.05	0.00	0.00	0.00	0.11	0.22	0.22
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #27 Broadway & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.821
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	64	Level Of Service:	D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 2	0	1	1 0 2	0	0	1 0 2	1	0	0 0 0	0	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	0	432	221	118	178	0	88	1298	88	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	462	236	126	190	0	94	1389	94	0	0	0
Added Vol:	0	36	18	24	55	0	27	271	66	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	498	254	150	245	0	121	1660	160	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	545	278	164	268	0	132	1814	175	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	545	278	164	268	0	132	1814	175	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	545	278	164	268	0	132	1814	175	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	2.00	1.00	1.00	2.00	0.00	1.00	2.74	0.26	0.00	0.00	0.00
Final Sat.:	0	3200	1600	1600	3200	0	1600	4378	422	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.17	0.17	0.10	0.08	0.00	0.08	0.41	0.41	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #28 Ocean Blvd & Pacific Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.721
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 67 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Prot+Permit			Prot+Permit		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1! 0	0	1 1	0 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	14	9	20	156	1	196	171	1840	18	28	1168	120
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	15	10	21	167	1	210	183	1969	19	30	1250	128
Added Vol:	0	0	0	87	0	33	28	324	0	0	392	27
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	15	10	21	254	1	243	211	2293	19	30	1642	155
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	16	11	23	277	1	265	230	2500	21	33	1790	169
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	16	11	23	277	1	265	230	2500	21	33	1790	169
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	16	11	23	277	1	265	230	2500	21	33	1790	169
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:	0.33	0.21	0.46	1.99	0.01	1.00	1.00	2.98	0.02	1.00	3.00	1.00
Final Sat.:	521	335	744	3187	13	1600	1600	4760	40	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.01	0.03	0.03	0.09	0.09	0.17	0.14	0.53	0.53	0.02	0.37	0.11
Crit Moves:	****					****		****		****		

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #29 4th St & Pine Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.403
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 24 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
Lanes:	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 6 Nov 2003 << 5:00												
Base Vol:	16	232	62	39	113	17	19	106	17	15	78	36
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	17	248	66	42	121	18	20	113	18	16	83	39
Added Vol:	0	69	0	0	92	0	3	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	17	317	66	42	213	18	23	113	18	16	83	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
PHF Volume:	19	359	75	47	241	21	26	128	21	18	94	44
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	359	75	47	241	21	26	128	21	18	94	44
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	19	359	75	47	241	21	26	128	21	18	94	44
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	0.83	0.17	1.00	0.92	0.08	1.00	0.86	0.14	1.00	0.68	0.32
Final Sat.:	1600	1323	277	1600	1474	126	1600	1379	221	1600	1095	505
Capacity Analysis Module:												
Vol/Sat:	0.01	0.27	0.27	0.03	0.16	0.16	0.02	0.09	0.09	0.01	0.09	0.09
Crit Moves:		****			****			****			****	

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #30 3rd St & Pine Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.488
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	28	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
Lanes:	1 0	1 0	0	0 0	1 0	1	0 0	0 0	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	71	188	0	0	193	51	0	0	0	91	791	133
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	76	201	0	0	207	55	0	0	0	97	846	142
Added Vol:	25	58	0	0	84	8	0	0	0	38	109	11
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	101	259	0	0	291	63	0	0	0	135	955	153
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	111	285	0	0	319	69	0	0	0	149	1050	168
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	111	285	0	0	319	69	0	0	0	149	1050	168
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	111	285	0	0	319	69	0	0	0	149	1050	168
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	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00	3.00	1.00
Final Sat.:	1600	1600	0	0	1600	1600	0	0	0	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.07	0.18	0.00	0.00	0.20	0.04	0.00	0.00	0.00	0.09	0.22	0.11
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #31 Broadway & Pine Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.805
Loss Time (sec): 0 (Y+R = 4 sec) 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			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	0	1 0	1 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	0	185	119	66	103	0	40	1458	83	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	198	127	71	110	0	43	1560	89	0	0	0
Added Vol:	0	44	57	65	48	0	28	273	6	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	242	184	136	158	0	71	1833	95	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	0	259	197	145	169	0	76	1960	101	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	259	197	145	169	0	76	1960	101	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	259	197	145	169	0	76	1960	101	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	0.57	0.43	1.00	1.00	0.00	1.00	2.85	0.15	0.00	0.00	0.00
Final Sat.:	0	908	692	1600	1600	0	1600	4564	236	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.28	0.28	0.09	0.11	0.00	0.05	0.43	0.43	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #32 Ocean Blvd & Pine Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.989
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: E

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	0 1	0 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	98	84	108	137	65	132	79	1885	92	56	1124	131
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	105	90	116	147	70	141	85	2017	98	60	1203	140
Added Vol:	150	17	72	14	29	11	35	227	149	101	258	49
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	255	107	188	161	99	152	120	2244	247	161	1461	189
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	268	112	197	169	104	160	126	2360	260	169	1536	199
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	268	112	197	169	104	160	126	2360	260	169	1536	199
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	268	112	197	169	104	160	126	2360	260	169	1536	199
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	1.00	1.00	0.62	0.38	1.00	1.00	2.70	0.30	1.00	3.00	1.00
Final Sat.:	1600	1600	1600	992	608	1600	1600	4323	477	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.17	0.07	0.12	0.11	0.17	0.10	0.08	0.55	0.55	0.11	0.32	0.12
Crit Moves:	****				****			****			****	

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #33 3rd St & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.638
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	40	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Protected			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	0 1	2 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 4:00												
Base Vol:	157	471	0	0	412	169	0	0	0	88	588	168
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	168	504	0	0	441	181	0	0	0	94	629	180
Added Vol:	91	130	0	0	75	63	0	0	0	0	18	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	259	634	0	0	516	244	0	0	0	94	647	180
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	273	669	0	0	545	257	0	0	0	99	683	190
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	273	669	0	0	545	257	0	0	0	99	683	190
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	273	669	0	0	545	257	0	0	0	99	683	190
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	2.00	1.00	0.00	0.00	0.00	0.38	2.62	1.00
Final Sat.:	1600	3200	0	0	3200	1600	0	0	0	610	4190	1600
Capacity Analysis Module:												
Vol/Sat:	0.17	0.21	0.00	0.00	0.17	0.16	0.00	0.00	0.00	0.06	0.16	0.12
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #34 Broadway & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.524
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	40	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	2 0	1	2 0	2 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	0	235	55	89	424	0	67	504	183	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	251	59	95	454	0	72	539	196	0	0	0
Added Vol:	0	64	0	0	75	0	157	90	114	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	315	59	95	529	0	229	629	310	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	342	64	103	573	0	248	682	336	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	342	64	103	573	0	248	682	336	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	342	64	103	573	0	248	682	336	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	2.00	1.00	2.00	2.00	0.00	1.00	2.01	0.99	0.00	0.00	0.00
Final Sat.:	0	3200	1600	3200	3200	0	1600	3216	1584	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.11	0.04	0.03	0.18	0.00	0.15	0.21	0.21	0.00	0.00	0.00
Crit Moves:					****			****				

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #35 Ocean Blvd & Long Beach Blvd

Cycle (sec): 90 Critical Vol./Cap. (X): 0.878
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 152 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			Protected			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 0 0			1 0 1! 0 1			1 0 3 0 0			0 0 3 0 1		
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	0	0	0	128	0	247	192	1664	0	0	853	102
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	0	0	137	0	264	205	1780	0	0	913	109
Added Vol:	0	0	0	57	0	131	48	266	0	0	277	17
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	194	0	395	253	2046	0	0	1190	126
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	0	0	0	213	0	435	279	2251	0	0	1309	139
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	213	0	435	279	2251	0	0	1309	139
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	213	0	435	279	2251	0	0	1309	139
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	0.00	0.00	1.00	0.00	2.00	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	1600	0	3200	1600	4800	0	0	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.13	0.00	0.14	0.17	0.47	0.00	0.00	0.27	0.09
Crit Moves:						****		****			****	

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #36 Ocean Blvd & Shoreline Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 1.145
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: F

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
Lanes:	1 0	3 0	1	1 0	2 1	0	1 0	2 1	0	2 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:45												
Base Vol:	53	622	550	92	93	141	310	1669	30	154	834	59
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	57	666	589	98	100	151	332	1786	32	165	892	63
Added Vol:	0	25	143	2	34	56	31	164	0	189	213	3
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	57	691	732	100	134	207	363	1950	32	354	1105	66
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	58	710	753	103	137	213	373	2006	33	364	1137	68
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	58	710	753	103	137	213	373	2006	33	364	1137	68
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	58	710	753	103	137	213	373	2006	33	364	1137	68
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	3.00	1.00	1.00	2.00	1.00	1.00	2.95	0.05	2.00	1.89	0.11
Final Sat.:	1600	4800	1600	1600	3200	1600	1600	4722	78	3200	3019	181
Capacity Analysis Module:												
Vol/Sat:	0.04	0.15	0.47	0.06	0.04	0.13	0.23	0.42	0.42	0.11	0.38	0.38
Crit Moves:			****	****			****				****	

Long Beach West Gateway
Year 2010 without Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #37 7th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.571
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 6 Nov 2003 << 5:00												
Base Vol:	77	275	0	0	284	46	0	0	0	77	612	90
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	82	294	0	0	304	49	0	0	0	82	655	96
Added Vol:	0	84	0	0	111	0	0	0	0	89	18	6
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	82	378	0	0	415	49	0	0	0	171	673	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:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	87	401	0	0	439	52	0	0	0	182	713	108
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	87	401	0	0	439	52	0	0	0	182	713	108
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	87	401	0	0	439	52	0	0	0	182	713	108
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	1.00	0.00	0.00	0.89	0.11	0.00	0.00	0.00	0.54	2.14	0.32
Final Sat.:	1600	1600	0	0	1430	170	0	0	0	869	3412	519
Capacity Analysis Module:												
Vol/Sat:	0.05	0.25	0.00	0.00	0.31	0.31	0.00	0.00	0.00	0.11	0.21	0.21
Crit Moves:	****				****						****	

CAPACITY ANALYSIS

YEAR 2007 – WITH-PROJECT

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Scenario Report

Scenario:	2007 AM Project
Command:	2007 AM Project
Volume:	2007 AM Peak
Geometry:	Existing
Impact Fee:	Default Impact Fee
Trip Generation:	Default Trip Generation
Trip Distribution:	Default Trip Distribution
Paths:	Default Paths
Routes:	Default Routes
Configuration:	Default Configuration

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Trip Generation Report

Forecast for 2007 AM Peak

Zone #	Subzone	Amount	Units	Rate In	Rate Out	Trips In	Trips Out	Total Trips	% Of Total
1	100 E. Ocean	1.00	Apartments	14.00	57.00	14	57	71	3.6
	Zone 1 Subtotal					14	57	71	3.6
2	Promenade -	1.00	Apartments - O	15.00	40.00	15	40	55	2.8
2	Promenade -	1.00	Apartments - G	12.00	27.00	12	27	39	2.0
	Zone 2 Subtotal					27	67	94	4.7
3	Ocean Villas	1.00	Apartments	52.00	209.00	52	209	261	13.2
	Zone 3 Subtotal					52	209	261	13.2
4	Insurance Ex	1.00	Condos & Shopp	9.00	10.00	9	10	19	1.0
	Zone 4 Subtotal					9	10	19	1.0
5	Broadway Lof	1.00	Condos & Shopp	15.00	30.00	15	30	45	2.3
	Zone 5 Subtotal					15	30	45	2.3
6	Promenade -	1.00	Apartments - L	22.00	49.00	22	49	71	3.6
	Zone 6 Subtotal					22	49	71	3.6
7	City Place -	1.00	Shopping Cente	4.00	14.00	4	14	18	0.9
	Zone 7 Subtotal					4	14	18	0.9
8	PCS Apartmen	1.00	Apartments	4.00	17.00	4	17	21	1.1
	Zone 8 Subtotal					4	17	21	1.1
9	City Place L	1.00	Apartments	7.00	27.00	7	27	34	1.7
	Zone 9 Subtotal					7	27	34	1.7
10	4th Street L	1.00	Apartments	7.00	15.00	7	15	22	1.1
	Zone 10 Subtotal					7	15	22	1.1
11	The Pike	1.00	Restaurant	12.00	11.00	12	11	23	1.2
11	The Pike	1.00	Shopping Cente	99.00	63.00	99	63	162	8.2
	Zone 11 Subtotal					111	74	185	9.3
15	Newberry's	1.00	Apartments	3.00	11.00	3	11	14	0.7
	Zone 15 Subtotal					3	11	14	0.7
16	D'Orsay Emba	1.00	Hotel	57.00	24.00	57	24	81	4.1
	Zone 16 Subtotal					57	24	81	4.1
17	Project - Br	1.00	Elementary Sch	137.00	95.00	137	95	232	11.7
	Zone 17 Subtotal					137	95	232	11.7

Long Beach West Gateway
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Zone #	Subzone	Amount	Units	Rate In	Rate Out	Trips In	Trips Out	Total Trips	% Of Total
18	World Trade	1.00	Condo Units &	63.00	170.00	63	170	233	11.8
	Zone 18 Subtotal					63	170	233	11.8
19	Project - Si	1.00	Apartments	6.00	13.00	6	13	19	1.0
	Zone 19 Subtotal					6	13	19	1.0
20	Project - Si	1.00	Condo Units	31.00	94.00	31	94	125	6.3
	Zone 20 Subtotal					31	94	125	6.3
21	Project - Si	1.00	Condo Units	27.00	81.00	27	81	108	5.5
	Zone 21 Subtotal					27	81	108	5.5
22	Project - Si	1.00	Apartments	32.00	72.00	32	72	104	5.2
22	Project - Si	1.00	Retail	9.00	6.00	9	6	15	0.8
22	Project - Si	1.00	PassBy	-6.00	-6.00	-6	-6	-12	-0.6
22	Project - Si	1.00	Pedestrian	-3.00	0.00	-3	0	-3	-0.2
	Zone 22 Subtotal					32	72	104	5.2
25	Cedar Court	1.00	Apartments	8.00	18.00	8	18	26	1.3
25	Cedar Court	1.00	Retail Stores	3.00	2.00	3	2	5	0.3
25	Cedar Court	1.00	Pedestrian	-3.00	-2.00	-3	-2	-5	-0.3
	Zone 25 Subtotal					8	18	26	1.3
26	Cedar Court	1.00	Office Parking	194.00	26.00	194	26	220	11.1
26	Cedar Court	1.00	Transit	-19.00	-3.00	-19	-3	-22	-1.1
	Zone 26 Subtotal					175	23	198	10.0
TOTAL						811	1170	1981	100.0

Long Beach West Gateway
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Trip Distribution Report

Percent Of Trips AM Peak

Zone	To Gates 1	2	3	6	8	10	11	14	15	20	41
1	16.0	32.0	0.0	32.0	14.0	6.0	13.0	0.0	0.0	9.0	10.0
2	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
3	16.0	32.0	0.0	32.0	14.0	6.0	13.0	0.0	0.0	9.0	10.0
4	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
5	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
6	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
7	15.0	22.0	42.0	0.0	13.0	6.0	8.0	20.0	0.0	6.0	10.0
8	15.0	22.0	42.0	0.0	13.0	6.0	8.0	20.0	0.0	6.0	10.0
9	13.0	23.0	30.0	0.0	11.0	8.0	10.0	18.0	11.0	7.0	10.0
10	13.0	23.0	30.0	0.0	11.0	8.0	10.0	18.0	11.0	7.0	10.0
11	13.0	6.0	0.0	6.0	31.0	3.0	5.0	0.0	0.0	5.0	4.0
15	13.0	23.0	30.0	0.0	11.0	8.0	10.0	18.0	11.0	7.0	10.0
16	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
17	15.0	26.0	40.0	0.0	14.0	7.0	10.0	14.0	0.0	7.0	7.0
18	15.0	37.0	37.0	0.0	14.0	7.0	10.0	0.0	0.0	10.0	7.0
19	15.0	34.0	34.0	0.0	5.0	10.0	5.0	8.0	8.0	8.0	15.0
20	15.0	42.0	42.0	0.0	5.0	10.0	5.0	0.0	0.0	8.0	15.0
21	15.0	42.0	42.0	0.0	5.0	10.0	5.0	0.0	0.0	8.0	15.0
22	15.0	42.0	42.0	0.0	5.0	10.0	5.0	0.0	0.0	8.0	15.0
23	15.0	34.0	34.0	0.0	5.0	10.0	5.0	8.0	8.0	8.0	15.0
24	15.0	28.0	28.0	0.0	5.0	10.0	5.0	14.0	14.0	8.0	15.0
25	15.0	34.0	34.0	0.0	5.0	5.0	10.0	8.0	8.0	8.0	15.0
26	15.0	34.0	34.0	0.0	5.0	5.0	10.0	8.0	8.0	8.0	15.0

Zone	To Gates 42
1	0.0
2	0.0
3	0.0
4	0.0
5	0.0
6	0.0
7	0.0
8	0.0
9	0.0
10	0.0
11	33.0
15	0.0
16	0.0
17	0.0
18	0.0
19	0.0

Long Beach West Gateway
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Zone	To Gates 42
20	0.0
21	0.0
22	0.0
23	0.0
24	0.0
25	0.0
26	0.0

Long Beach West Gateway
Year 2007 with Project
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Turning Movement Report
2007 AM Peak

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#1 4th St & Golden Ave													
Base	0	0	5	2	10	1	0	0	2	27	0	7	55
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	5	2	10	1	0	0	2	27	0	7	55
#2 3rd St & Golden Ave													
Base	2	2	0	0	6	33	0	0	0	10	1060	32	1146
Added	0	0	0	0	0	0	0	0	0	19	281	0	300
Total	2	2	0	0	6	33	0	0	0	29	1341	32	1446
#3 Broadway & Golden Shore Ave													
Base	0	0	0	174	0	0	0	1374	0	0	0	0	1548
Added	0	0	0	19	0	0	0	310	0	0	0	0	329
Total	0	0	0	193	0	0	0	1684	0	0	0	0	1877
#4 Ocean Blvd & Golden Shore Ave													
Base	8	33	80	4	90	40	105	752	82	173	1633	598	3598
Added	0	0	0	0	0	0	40	80	0	0	176	155	451
Total	8	33	80	4	90	40	145	832	82	173	1809	753	4049
#5 4th St & Maine Ave													
Base	0	16	10	4	12	2	1	23	9	18	16	8	120
Added	0	3	10	0	20	0	0	0	0	2	0	0	35
Total	0	19	20	4	32	2	1	23	9	20	16	8	155
#6 3rd St & Maine Ave													
Base	23	12	0	0	10	23	0	0	0	73	1063	24	1228
Added	101	3	0	0	22	4	0	0	0	42	195	7	374
Total	124	15	0	0	32	27	0	0	0	115	1258	31	1602
#7 Broadway & Maine Ave													
Base	0	8	29	16	52	0	9	1335	203	0	0	0	1653
Added	0	0	0	31	0	0	123	323	0	0	0	0	477
Total	0	8	29	47	52	0	132	1658	203	0	0	0	2130
#8 4th St & Daisy Ave													
Base	1	11	11	6	18	2	2	45	2	11	25	10	146
Added	0	0	6	0	0	0	1	9	0	0	2	0	18
Total	1	11	17	6	18	2	3	54	2	11	27	10	164
#9 3rd St & Daisy Ave													
Base	16	15	0	0	16	26	0	0	0	38	1111	23	1244
Added	12	0	0	0	0	0	0	0	0	0	209	6	227
Total	28	15	0	0	16	26	0	0	0	38	1320	29	1471

Long Beach West Gateway
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Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#10 Broadway & Daisy Ave													
Base	0	1	7	29	20	0	22	1392	26	0	0	0	1496
Added	0	0	0	0	0	0	12	382	0	0	0	0	394
Total	0	1	7	29	20	0	34	1774	26	0	0	0	1890
#11 6th St & Magnolia Ave													
Base	0	196	53	63	467	0	74	412	35	0	0	0	1300
Added	0	74	0	2	105	0	0	14	7	0	0	0	202
Total	0	270	53	65	572	0	74	426	42	0	0	0	1502
#12 5th St & Magnolia Ave													
Base	5	232	3	8	494	23	3	1	17	8	2	6	803
Added	0	73	0	0	112	0	0	0	0	0	0	1	186
Total	5	305	3	8	606	23	3	1	17	8	2	7	989
#13 4th St & Magnolia Ave													
Base	4	101	20	17	460	9	10	24	14	18	20	14	709
Added	0	63	2	0	110	2	10	5	0	0	0	0	192
Total	4	164	22	17	570	11	20	29	14	18	20	14	901
#14 3rd St & Magnolia Ave													
Base	84	163	0	0	539	69	0	0	0	248	1037	71	2210
Added	13	45	0	0	36	73	0	0	0	12	112	19	310
Total	97	208	0	0	575	142	0	0	0	260	1149	90	2520
#15 Broadway & Magnolia Ave													
Base	0	69	141	25	565	0	13	1003	412	0	0	0	2227
Added	0	21	29	29	19	0	38	258	124	0	0	0	518
Total	0	90	170	54	584	0	51	1261	536	0	0	0	2745
#16 Ocean Blvd & Magnolia Ave													
Base	21	22	24	198	157	296	128	762	26	139	1784	265	3822
Added	0	0	0	64	0	80	31	49	0	0	250	20	494
Total	21	22	24	262	157	376	159	811	26	139	2034	285	4316
#17 4th St & Chestnut Ave													
Base	9	27	24	6	36	8	6	64	14	8	37	6	248
Added	0	4	0	0	2	0	0	7	0	0	0	0	13
Total	9	31	24	6	38	8	6	71	14	8	37	6	261
#18 3rd St & Chestnut Ave													
Base	27	29	0	0	29	48	0	0	0	146	1303	21	1603
Added	9	4	0	0	0	2	0	0	0	0	102	0	117
Total	36	33	0	0	29	50	0	0	0	146	1405	21	1720

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Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#19 Broadway & Chestnut Ave													
Base	0	32	46	96	23	0	36	930	23	0	0	0	1186
Added	0	0	0	0	0	0	13	314	0	0	0	0	327
Total	0	32	46	96	23	0	49	1244	23	0	0	0	1513
#20 4th St & Cedar Ave													
Base	2	27	15	9	34	4	7	60	6	6	62	19	253
Added	0	4	0	0	16	0	0	7	0	0	0	0	27
Total	2	31	15	9	50	4	7	67	6	6	62	19	280
#21 3rd St & Cedar Ave													
Base	35	16	0	0	25	73	0	0	0	203	1379	45	1775
Added	10	4	0	0	16	0	0	0	0	58	92	0	180
Total	45	20	0	0	41	73	0	0	0	261	1471	45	1955
#22 Broadway & Cedar Ave													
Base	0	1	3	128	9	0	16	814	222	0	0	0	1193
Added	0	0	0	9	0	0	102	212	0	0	0	0	323
Total	0	1	3	137	9	0	118	1026	222	0	0	0	1516
#23 7th St & Pacific Ave													
Base	46	187	0	0	406	58	0	0	0	187	1385	105	2374
Added	2	53	0	0	26	19	0	0	0	9	59	2	170
Total	48	240	0	0	432	77	0	0	0	196	1444	107	2544
#24 6th St & Pacific Ave													
Base	0	173	99	85	421	0	29	622	22	0	0	0	1451
Added	0	54	0	1	34	0	1	9	1	0	0	0	100
Total	0	227	99	86	455	0	30	631	23	0	0	0	1551
#25 4th St & Pacific Ave													
Base	9	156	18	1	483	8	11	30	35	16	66	8	841
Added	0	50	0	0	35	0	3	3	0	0	0	0	91
Total	9	206	18	1	518	8	14	33	35	16	66	8	932
#26 3rd St & Pacific Ave													
Base	59	113	0	0	337	123	0	0	0	59	1468	34	2194
Added	17	40	0	0	16	19	0	0	0	6	118	10	226
Total	76	153	0	0	353	142	0	0	0	65	1586	44	2420
#27 Broadway & Pacific Ave													
Base	0	168	51	82	396	0	24	731	197	0	0	0	1649
Added	0	27	5	18	15	0	20	184	17	0	0	0	286
Total	0	195	56	100	411	0	44	915	214	0	0	0	1935

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Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#28 Ocean Blvd & Pacific Ave													
Base	7	2	6	101	3	298	213	699	22	31	1816	190	3389
Added	0	0	0	22	0	10	7	106	0	0	264	26	435
Total	7	2	6	123	3	308	220	805	22	31	2080	216	3824
#29 4th St & Pine Ave													
Base	6	113	24	19	157	21	12	47	15	11	66	19	510
Added	0	51	0	0	29	0	3	0	0	0	0	0	83
Total	6	164	24	19	186	21	15	47	15	11	66	19	593
#30 3rd St & Pine Ave													
Base	53	100	0	0	131	63	0	0	0	74	1505	57	1983
Added	8	40	0	0	24	6	0	0	0	24	120	11	233
Total	61	140	0	0	155	69	0	0	0	98	1625	68	2216
#31 Broadway & Pine Ave													
Base	0	107	42	52	184	0	28	738	102	0	0	0	1253
Added	0	31	21	23	16	0	31	168	1	0	0	0	291
Total	0	138	63	75	200	0	59	906	103	0	0	0	1544
#32 Ocean Blvd & Pine Ave													
Base	43	43	34	38	40	86	69	697	89	45	1968	148	3299
Added	47	5	25	9	4	5	15	92	21	14	238	32	507
Total	90	48	59	47	44	91	84	789	110	59	2206	180	3806
#33 3rd St & Long Beach Blvd													
Base	71	245	0	0	414	182	0	0	0	86	1430	135	2564
Added	64	89	0	0	16	41	0	0	0	0	32	0	242
Total	135	334	0	0	430	223	0	0	0	86	1462	135	2806
#34 Broadway & Long Beach Blvd													
Base	0	391	67	201	295	0	210	1370	86	0	0	0	2620
Added	0	34	0	0	16	0	119	82	82	0	0	0	333
Total	0	425	67	201	311	0	329	1452	168	0	0	0	2953
#35 Ocean Blvd & Long Beach Blvd													
Base	0	0	0	46	0	255	137	506	0	0	2001	104	3049
Added	0	0	0	31	0	67	11	115	0	0	217	23	464
Total	0	0	0	77	0	322	148	621	0	0	2218	127	3513
#36 Ocean Blvd & Shoreline Ave													
Base	27	75	130	51	282	314	111	449	14	443	1836	57	3789
Added	0	2	16	2	3	12	28	130	0	24	82	1	300
Total	27	77	146	53	285	326	139	579	14	467	1918	58	4089

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Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#37 7th St & Magnolia Ave													
Base	59	156	0	0	257	63	0	0	0	191	1386	61	2175
Added	0	74	0	0	50	0	0	0	0	57	9	8	198
Total	59	230	0	0	307	63	0	0	0	248	1395	69	2373
#41 6th Street and Cedar Ave													
Base	0	72	40	12	59	0	18	880	16	0	0	0	1096
Added	0	2	2	0	9	0	0	9	7	0	0	0	29
Total	0	74	42	12	68	0	18	889	23	0	0	0	1125
#43 5th Street & Cedar Ave													
Base	3	52	9	6	53	14	4	29	2	1	28	22	224
Added	0	4	0	0	16	0	0	0	0	0	1	0	21
Total	3	56	9	6	69	14	4	29	2	1	29	22	245

Long Beach West Gateway
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Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 1 4th St & Golden Ave	A	7.1	0.058	A	7.1	0.058	+ 0.000 V/C
# 2 3rd St & Golden Ave	A	xxxxx	0.460	A	xxxxx	0.570	+ 0.110 V/C
# 4 Ocean Blvd & Golden Shore Ave	A	xxxxx	0.485	A	xxxxx	0.566	+ 0.081 V/C
# 5 4th St & Maine Ave	A	7.1	0.059	A	7.3	0.064	+ 0.005 V/C
# 6 3rd St & Maine Ave	C	22.8	0.000	F	88.7	0.000	+65.938 D/V
# 7 Broadway & Maine Ave	F	78.5	0.000	F	608.6	0.000	+530.177 D/V
# 8 4th St & Daisy Ave	A	7.2	0.065	A	7.3	0.079	+ 0.014 V/C
# 9 3rd St & Daisy Ave	D	30.9	0.000	E	41.5	0.000	+10.670 D/V
# 10 Broadway & Daisy Ave	A	xxxxx	0.259	A	xxxxx	0.323	+ 0.064 V/C
# 11 6th St & Magnolia Ave	A	xxxxx	0.421	A	xxxxx	0.495	+ 0.074 V/C
# 12 5th St & Magnolia Ave	B	14.5	0.000	C	17.0	0.000	+ 2.547 D/V
# 13 4th St & Magnolia Ave	A	xxxxx	0.368	A	xxxxx	0.452	+ 0.084 V/C
# 14 3rd St & Magnolia Ave	B	xxxxx	0.609	B	xxxxx	0.692	+ 0.084 V/C
# 15 Broadway & Magnolia Ave	A	xxxxx	0.466	A	xxxxx	0.563	+ 0.098 V/C
# 16 Ocean Blvd & Magnolia Ave	B	xxxxx	0.683	D	xxxxx	0.811	+ 0.128 V/C
# 17 4th St & Chestnut Ave	B	10.2	0.000	B	10.3	0.000	+ 0.092 D/V
# 18 3rd St & Chestnut Ave	A	xxxxx	0.431	A	xxxxx	0.463	+ 0.033 V/C
# 19 Broadway & Chestnut Ave	A	xxxxx	0.276	A	xxxxx	0.346	+ 0.070 V/C
# 20 4th St & Cedar Ave	A	xxxxx	0.111	A	xxxxx	0.114	+ 0.003 V/C
# 21 3rd St & Cedar Ave	A	xxxxx	0.490	A	xxxxx	0.545	+ 0.055 V/C
# 22 Broadway & Cedar Ave	A	xxxxx	0.278	A	xxxxx	0.350	+ 0.072 V/C
# 23 7th St & Pacific Ave	B	xxxxx	0.635	B	xxxxx	0.665	+ 0.030 V/C
# 24 6th St & Pacific Ave	A	xxxxx	0.417	A	xxxxx	0.437	+ 0.021 V/C

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Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 25 4th St & Pacific Ave	A	xxxxx	0.387	A	xxxxx	0.402	+ 0.015 V/C
# 26 3rd St & Pacific Ave	B	xxxxx	0.659	C	xxxxx	0.708	+ 0.049 V/C
# 27 Broadway & Pacific Ave	A	xxxxx	0.477	A	xxxxx	0.523	+ 0.045 V/C
# 28 Ocean Blvd & Pacific Ave	C	xxxxx	0.740	D	xxxxx	0.809	+ 0.069 V/C
# 29 4th St & Pine Ave	A	xxxxx	0.225	A	xxxxx	0.251	+ 0.026 V/C
# 30 3rd St & Pine Ave	A	xxxxx	0.469	A	xxxxx	0.519	+ 0.049 V/C
# 31 Broadway & Pine Ave	A	xxxxx	0.328	A	xxxxx	0.418	+ 0.090 V/C
# 32 Ocean Blvd & Pine Ave	A	xxxxx	0.564	B	xxxxx	0.661	+ 0.097 V/C
# 33 3rd St & Long Beach Blvd	B	xxxxx	0.686	C	xxxxx	0.750	+ 0.064 V/C
# 34 Broadway & Long Beach Blvd	B	xxxxx	0.659	C	xxxxx	0.707	+ 0.048 V/C
# 35 Ocean Blvd & Long Beach Blvd	B	xxxxx	0.617	B	xxxxx	0.695	+ 0.077 V/C
# 36 Ocean Blvd & Shoreline Ave	E	xxxxx	0.902	E	xxxxx	0.955	+ 0.053 V/C
# 37 7th St & Magnolia Ave	B	xxxxx	0.608	B	xxxxx	0.657	+ 0.049 V/C

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

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

Intersection #1 4th St & Golden Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.058
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.1
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 0	0 0	1	0 0	1! 0	0	0 0	0 0	1	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:30												
Base Vol:	0	0	5	2	10	1	0	0	2	26	0	7
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	0	5	2	10	1	0	0	2	27	0	7
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	5	2	10	1	0	0	2	27	0	7
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
PHF Volume:	0	0	8	3	16	2	0	0	3	41	0	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	8	3	16	2	0	0	3	41	0	11
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	8	3	16	2	0	0	3	41	0	11
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	0.00	1.00	0.15	0.77	0.08	0.00	0.00	1.00	0.79	0.00	0.21
Final Sat.:	0	0	1033	137	683	68	0	0	1048	706	0	190
Capacity Analysis Module:												
Vol/Sat:	xxxx	xxxx	0.01	0.02	0.02	0.02	xxxx	xxxx	0.00	0.06	xxxx	0.06
Crit Moves:			****		****				****			****
Delay/Veh:	0.0	0.0	6.5	7.1	7.1	7.1	0.0	0.0	6.4	7.2	0.0	7.2
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:	0.0	0.0	6.5	7.1	7.1	7.1	0.0	0.0	6.4	7.2	0.0	7.2
LOS by Move:	*	*	A	A	A	A	*	*	A	A	*	A
ApproachDel:	6.5			7.1			6.4			7.2		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	6.5			7.1			6.4			7.2		
LOS by Appr:	A			A			A			A		

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #2 3rd St & Golden Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.570
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	0 1	0 0	0	0 0	0 1	0	0 0	0 0	0	1 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	2	2	0	0	6	32	0	0	0	10	1019	31
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	2	2	0	0	6	33	0	0	0	10	1060	32
Added Vol:	0	0	0	0	0	0	0	0	0	19	281	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	2	2	0	0	6	33	0	0	0	29	1341	32
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	3	3	0	0	8	42	0	0	0	37	1678	40
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	3	0	0	8	42	0	0	0	37	1678	40
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	3	3	0	0	8	42	0	0	0	37	1678	40
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:	0.50	0.50	0.00	0.00	0.16	0.84	0.00	0.00	0.00	1.00	1.95	0.05
Final Sat.:	800	800	0	0	253	1347	0	0	0	1600	3125	75
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.02	0.54	0.54
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 Ocean Blvd & Golden Shore Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.566
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 43 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			Prot+Permit			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	1 0	1 1	0	1 0	2 1	0	1 0	2 1	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:15												
Base Vol:	8	32	77	4	87	38	101	723	79	166	1570	575
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	8	33	80	4	90	40	105	752	82	173	1633	598
Added Vol:	0	0	0	0	0	0	40	80	0	0	176	155
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	8	33	80	4	90	40	145	832	82	173	1809	753
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	9	35	84	4	95	42	153	878	87	182	1908	794
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	35	84	4	95	42	153	878	87	182	1908	794
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	9	35	84	4	95	42	153	878	87	182	1908	794
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	1.00	1.00	1.00	1.39	0.61	1.00	2.73	0.27	1.00	2.82	1.18
Final Sat.:	1600	1600	1600	1600	2227	973	1600	4369	431	1600	4519	1881
Capacity Analysis Module:												
Vol/Sat:	0.01	0.02	0.05	0.00	0.04	0.04	0.10	0.20	0.20	0.11	0.42	0.42
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Year 2007 with Project
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Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #5 4th St & Maine Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.064
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.3
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 0	0 1	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	0	15	10	4	12	2	1	22	9	17	15	8
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	16	10	4	12	2	1	23	9	18	16	8
Added Vol:	0	3	10	0	20	0	0	0	0	2	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	19	20	4	32	2	1	23	9	20	16	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	0	23	26	5	41	3	1	29	12	25	20	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	23	26	5	41	3	1	29	12	25	20	10
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	23	26	5	41	3	1	29	12	25	20	10
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	0.48	0.52	0.11	0.84	0.05	0.03	0.69	0.28	0.45	0.36	0.19
Final Sat.:	0	437	480	92	715	46	28	606	248	387	306	163
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.05	0.05	0.06	0.06	0.06	0.05	0.05	0.05	0.06	0.06	0.06
Crit Moves:		****			****		****				****	
Delay/Veh:	0.0	7.0	7.0	7.4	7.4	7.4	7.2	7.2	7.2	7.4	7.4	7.4
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	7.0	7.0	7.4	7.4	7.4	7.2	7.2	7.2	7.4	7.4	7.4
LOS by Move:	*	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:		7.0			7.4			7.2			7.4	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		7.0			7.4			7.2			7.4	
LOS by Appr:		A			A			A			A	

Long Beach West Gateway
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Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #6 3rd St & Maine Ave

Average Delay (sec/veh): 9.8 Worst Case Level Of Service: F[88.7]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:15																				
Base Vol:	22	12	0	0		10	22				0	0	0			70	1022	23		
Growth Adj:	1.04	1.04	1.04	1.04		1.04	1.04				1.04	1.04	1.04			1.04	1.04	1.04		
Initial Bse:	23	12	0	0		10	23				0	0	0			73	1063	24		
Added Vol:	101	3	0	0		22	4				0	0	0			42	195	7		
PasserByVol:	0	0	0	0		0	0				0	0	0			0	0	0		
Initial Fut:	124	15	0	0		32	27				0	0	0			115	1258	31		
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:	124	15	0	0		32	27				0	0	0			115	1258	31		
Reduct Vol:	0	0	0	0		0	0				0	0	0			0	0	0		
Final Vol.:	124	15	0	0		32	27				0	0	0			115	1258	31		
Critical Gap Module:																				
Critical Gp:	7.1	6.5	xxxxx	xxxxx		6.5	6.2	xxxxx	xxxx	xxxxx						4.1	xxxx	xxxxx		
FollowUpTim:	3.5	4.0	xxxxx	xxxxx		4.0	3.3	xxxxx	xxxx	xxxxx						2.2	xxxx	xxxxx		
Capacity Module:																				
Cnflict Vol:	875	1518	xxxxx	xxxx		1503	644	xxxx	xxxx	xxxxx						0	xxxx	xxxxx		
Potent Cap.:	272	120	xxxxx	xxxx		123	476	xxxx	xxxx	xxxxx						900	xxxx	xxxxx		
Move Cap.:	178	105	xxxxx	xxxx		107	476	xxxx	xxxx	xxxxx						900	xxxx	xxxxx		
Volume/Cap:	0.69	0.15	xxxx	xxxx		0.30	0.06	xxxx	xxxx	xxxx						0.13	xxxx	xxxx		
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx						0.4	xxxx	xxxxx		
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx						9.6	xxxx	xxxxx		
LOS by Move:	*	*	*	*		*	*	*	*	*						A	*	*		
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	165	xxxx	xxxxx	xxxx		xxxx	165	xxxx	xxxx	xxxxx						xxxx	xxxx	xxxxx		
SharedQueue:	5.8	xxxx	xxxxx	xxxxx		xxxx	1.5	xxxxx	xxxx	xxxxx						xxxxx	xxxx	xxxxx		
Shrd StpDel:	88.7	xxxx	xxxxx	xxxxx		xxxx	38.5	xxxxx	xxxx	xxxxx						xxxxx	xxxx	xxxxx		
Shared LOS:	F	*	*	*		*	E	*	*	*						*	*	*		
ApproachDel:	88.7					38.5		xxxxxx								xxxxxx				
ApproachLOS:	F					E		*								*				

Long Beach West Gateway
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Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #7 Broadway & Maine Ave

Average Delay (sec/veh): 29.5 Worst Case Level Of Service: F[608.6]

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					Yield Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	1	0	0	1	0	0	0	1	0	2	1	0	0	0	0	0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45																				
Base Vol:	0	8	28			15	50	0			9	1284	195			0	0	0		
Growth Adj:	1.04	1.04	1.04			1.04	1.04	1.04			1.04	1.04	1.04			1.04	1.04	1.04		
Initial Bse:	0	8	29			16	52	0			9	1335	203			0	0	0		
Added Vol:	0	0	0			31	0	0			123	323	0			0	0	0		
PasserByVol:	0	0	0			0	0	0			0	0	0			0	0	0		
Initial Fut:	0	8	29			47	52	0			132	1658	203			0	0	0		
User Adj:	1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00			1.00	1.00	1.00		
PHF Adj:	0.93	0.93	0.93			0.93	0.93	0.93			0.93	0.93	0.93			0.93	0.93	0.93		
PHF Volume:	0	9	31			50	56	0			143	1787	219			0	0	0		
Reduct Vol:	0	0	0			0	0	0			0	0	0			0	0	0		
Final Vol.:	0	9	31			50	56	0			143	1787	219			0	0	0		
Critical Gap Module:																				
Critical Gp:	xxxxx	6.5	6.2			7.1	6.5	xxxxx			4.1	xxxx	xxxxx			xxxxx	xxxx	xxxxx		
FollowUpTim:	xxxxx	4.0	3.3			3.5	4.0	xxxxx			2.2	xxxx	xxxxx			xxxxx	xxxx	xxxxx		
Capacity Module:																				
Cnflict Vol:	xxxx	2182	705			885	2291	xxxxx			0	xxxx	xxxxx			xxxx	xxxx	xxxxx		
Potent Cap.:	xxxx	47	440			268	40	xxxxx			900	xxxx	xxxxx			xxxx	xxxx	xxxxx		
Move Cap.:	xxxx	39	440			181	33	xxxxx			900	xxxx	xxxxx			xxxx	xxxx	xxxxx		
Volume/Cap:	xxxx	0.23	0.07			0.28	1.68	xxxx			0.16	xxxx	xxxx			xxxx	xxxx	xxxx		
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx			xxxxx	xxxx	xxxxx			0.6	xxxx	xxxxx			xxxxx	xxxx	xxxxx		
Stopped Del:	xxxxx	xxxx	xxxxx			xxxxx	xxxx	xxxxx			9.8	xxxx	xxxxx			xxxxx	xxxx	xxxxx		
LOS by Move:	*	*	*			*	*	*			A	*	*			*	*	*		
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	135			54	xxxx	xxxxx			xxxx	xxxx	xxxxx			xxxx	xxxx	xxxxx		
SharedQueue:	xxxxx	xxxx	1.2			10.3	xxxx	xxxxx			xxxxx	xxxx	xxxxx			xxxxx	xxxx	xxxxx		
Shrd StpDel:	xxxxx	xxxx	42.8			608.6	xxxx	xxxxx			xxxxx	xxxx	xxxxx			xxxxx	xxxx	xxxxx		
Shared LOS:	*	*	E			F	*	*			*	*	*			*	*	*		
ApproachDel:	42.8					608.6					xxxxxx					xxxxxx				
ApproachLOS:	E					F					*					*				

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

Intersection #8 4th St & Daisy Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.079
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.3
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 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:00												
Base Vol:	1	11	11	6	17	2	2	43	2	11	24	10
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	1	11	11	6	18	2	2	45	2	11	25	10
Added Vol:	0	0	6	0	0	0	1	9	0	0	2	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	1	11	17	6	18	2	3	54	2	11	27	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
PHF Volume:	1	13	20	7	21	2	4	63	2	13	32	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	13	20	7	21	2	4	63	2	13	32	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	1	13	20	7	21	2	4	63	2	13	32	12
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:	0.03	0.38	0.59	0.24	0.68	0.08	0.05	0.91	0.04	0.23	0.56	0.21
Final Sat.:	32	347	529	200	568	67	45	793	31	206	486	188
Capacity Analysis Module:												
Vol/Sat:	0.04	0.04	0.04	0.04	0.04	0.04	0.08	0.08	0.08	0.06	0.06	0.06
Crit Moves:	****				****			****				****
Delay/Veh:	7.0	7.0	7.0	7.3	7.3	7.3	7.4	7.4	7.4	7.3	7.3	7.3
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:	7.0	7.0	7.0	7.3	7.3	7.3	7.4	7.4	7.4	7.3	7.3	7.3
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	7.0			7.3			7.4			7.3		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	7.0			7.3			7.4			7.3		
LOS by Appr:	A			A			A			A		

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

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

Intersection #9 3rd St & Daisy Ave

Average Delay (sec/veh): 2.4 Worst Case Level Of Service: E[41.5]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:15																				
Base Vol:	15	14	0		0	15	25		0		0	0		0		37	1068		22	
Growth Adj:	1.04	1.04	1.04		1.04	1.04	1.04		1.04		1.04	1.04		1.04		1.04	1.04		1.04	
Initial Bse:	16	15	0		0	16	26		0		0	0		0		38	1111		23	
Added Vol:	12	0	0		0	0	0		0		0	0		0		0	209		6	
PasserByVol:	0	0	0		0	0	0		0		0	0		0		0	0		0	
Initial Fut:	28	15	0		0	16	26		0		0	0		0		38	1320		29	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Adj:	0.80	0.80	0.80		0.80	0.80	0.80		0.80		0.80	0.80		0.80		0.80	0.80		0.80	
PHF Volume:	34	18	0		0	19	32		0		0	0		0		48	1641		36	
Reduct Vol:	0	0	0		0	0	0		0		0	0		0		0	0		0	
Final Vol.:	34	18	0		0	19	32		0		0	0		0		48	1641		36	
Critical Gap Module:																				
Critical Gp:	7.1	6.5	xxxxx		xxxxx	6.5	6.2		xxxxx		xxxx	xxxxx				4.1	xxxx		xxxxx	
FollowUpTim:	3.5	4.0	xxxxx		xxxxx	4.0	3.3		xxxxx		xxxx	xxxxx				2.2	xxxx		xxxxx	
Capacity Module:																				
Cnflict Vol:	653	1773	xxxxx		xxxx	1755	565		xxxx		xxxx	xxxxx				0	xxxx		xxxxx	
Potent Cap.:	384	84	xxxxx		xxxx	86	528		xxxx		xxxx	xxxxx				900	xxxx		xxxxx	
Move Cap.:	282	79	xxxxx		xxxx	81	528		xxxx		xxxx	xxxxx				900	xxxx		xxxxx	
Volume/Cap:	0.12	0.23	xxxx		xxxx	0.24	0.06		xxxx		xxxx	xxxx				0.05	xxxx		xxxx	
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxx	xxxxx				0.2	xxxx		xxxxx	
Stopped Del:	xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxx	xxxxx				9.2	xxxx		xxxxx	
LOS by Move:	*	*	*		*	*	*		*		*	*				A	*		*	
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	150	xxxx	xxxxx		xxxx	xxxx	172		xxxx		xxxx	xxxxx				xxxx	xxxx		xxxxx	
SharedQueue:	1.4	xxxx	xxxxx		xxxxx	xxxx	1.2		xxxxx		xxxx	xxxxx				0.2	xxxx		xxxxx	
Shrd StpDel:	41.5	xxxx	xxxxx		xxxxx	xxxx	34.6		xxxxx		xxxx	xxxxx				9.2	xxxx		xxxxx	
Shared LOS:	E	*	*		*	*	D		*		*	*				A	*		*	
ApproachDel:		41.5				34.6					xxxxxx					xxxxxx				
ApproachLOS:		E				D					*					*				

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #10 Broadway & Daisy Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.323
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 21 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
Lanes:	0 0	0 1	0	0 1	0 0	0	0 1	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	0	1	7	28	19	0	21	1355	25	0	0	0
Growth Adj:	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
Initial Bse:	0	1	7	29	20	0	22	1392	26	0	0	0
Added Vol:	0	0	0	0	0	0	12	382	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	1	7	29	20	0	34	1774	26	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	0	1	8	30	20	0	35	1852	27	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1	8	30	20	0	35	1852	27	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	1	8	30	20	0	35	1852	27	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	0.12	0.88	0.60	0.40	0.00	0.07	3.87	0.06	0.00	0.00	0.00
Final Sat.:	0	200	1400	953	647	0	117	6193	90	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.01	0.01	0.02	0.03	0.00	0.02	0.30	0.30	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
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Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #11 6th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.495
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	29	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
Lanes:	0 0	0 1	0	1 0	1 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 7:30												
Base Vol:	0	188	51	61	449	0	71	396	34	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	196	53	63	467	0	74	412	35	0	0	0
Added Vol:	0	74	0	2	105	0	0	14	7	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	270	53	65	572	0	74	426	42	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	284	56	69	602	0	78	448	45	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	284	56	69	602	0	78	448	45	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	284	56	69	602	0	78	448	45	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	0.84	0.16	1.00	1.00	0.00	0.41	2.36	0.23	0.00	0.00	0.00
Final Sat.:	0	1337	263	1600	1600	0	654	3771	375	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.21	0.21	0.04	0.38	0.00	0.05	0.12	0.12	0.00	0.00	0.00
Crit Moves:	****				****			****				

Long Beach West Gateway
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Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #12 5th St & Magnolia Ave

Average Delay (sec/veh): 0.7 Worst Case Level Of Service: C[17.0]

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Uncontrolled						Uncontrolled						Stop Sign						Stop Sign					
Rights:	Include						Include						Include						Include					
Lanes:	1	0	0	1	0		1	0	0	1	0		0	0	1!	0	0		0	0	1!	0	0	
Volume Module: >> Count Date: 6 Nov 2003 << 7:45																								
Base Vol:	5	223		3			8	475		22			3		1		16		8		2		6	
Growth Adj:	1.04	1.04		1.04			1.04	1.04		1.04			1.04		1.04		1.04		1.04		1.04		1.04	
Initial Bse:	5	232		3			8	494		23			3		1		17		8		2		6	
Added Vol:	0	73		0			0	112		0			0		0		0		0		0		1	
PasserByVol:	0	0		0			0	0		0			0		0		0		0		0		0	
Initial Fut:	5	305		3			8	606		23			3		1		17		8		2		7	
User Adj:	1.00	1.00		1.00			1.00	1.00		1.00			1.00		1.00		1.00		1.00		1.00		1.00	
PHF Adj:	0.99	0.99		0.99			0.99	0.99		0.99			0.99		0.99		0.99		0.99		0.99		0.99	
PHF Volume:	5	310		3			8	615		23			3		1		17		8		2		7	
Reduct Vol:	0	0		0			0	0		0			0		0		0		0		0		0	
Final Vol.:	5	310		3			8	615		23			3		1		17		8		2		7	
Critical Gap Module:																								
Critical Gp:	4.1	xxxx	xxxxx				4.1	xxxx	xxxxx				7.1		6.5		6.2		7.1		6.5		6.2	
FollowUpTim:	2.2	xxxx	xxxxx				2.2	xxxx	xxxxx				3.5		4.0		3.3		3.5		4.0		3.3	
Capacity Module:																								
Cnflict Vol:	638	xxxx	xxxxx				313	xxxx	xxxxx				970		967		627		974		977		311	
Potent Cap.:	955	xxxx	xxxxx				1259	xxxx	xxxxx				234		256		487		233		253		734	
Move Cap.:	955	xxxx	xxxxx				1259	xxxx	xxxxx				228		253		487		222		250		734	
Volume/Cap:	0.01	xxxx	xxxx				0.01	xxxx	xxxx				0.01		0.00		0.03		0.04		0.01		0.01	
Level Of Service Module:																								
Queue:	0.0	xxxx	xxxxx				0.0	xxxx	xxxxx				xxxxx		xxxx		xxxxx		xxxxx		xxxx		xxxxx	
Stopped Del:	8.8	xxxx	xxxxx				7.9	xxxx	xxxxx				xxxxx		xxxx		xxxxx		xxxxx		xxxx		xxxxx	
LOS by Move:	A	*		*			A	*		*			*		*		*		*		*		*	
Movement:	LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT	
Shared Cap.:	xxxx	xxxx	xxxxx				xxxx	xxxx	xxxxx				xxxx		401		xxxxx		xxxx		317		xxxxx	
SharedQueue:	xxxxx	xxxx	xxxxx				xxxxx	xxxx	xxxxx				xxxxx		0.2		xxxxx		xxxxx		0.2		xxxxx	
Shrd StpDel:	xxxxx	xxxx	xxxxx				xxxxx	xxxx	xxxxx				xxxxx		14.5		xxxxx		xxxxx		17.0		xxxxx	
Shared LOS:	*	*		*			*	*		*			*		B		*		*		C		*	
ApproachDel:	xxxxxx						xxxxxx						14.5						17.0					
ApproachLOS:	*						*						B						C					

Long Beach West Gateway
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Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #13 4th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.452
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	26	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
Lanes:	1 0	0 1	0	1 0	0 1	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	4	97	19	16	442	9	10	23	13	17	19	13
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	4	101	20	17	460	9	10	24	14	18	20	14
Added Vol:	0	63	2	0	110	2	10	5	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	4	164	22	17	570	11	20	29	14	18	20	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	5	181	24	18	628	13	22	32	15	19	22	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	181	24	18	628	13	22	32	15	19	22	15
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	5	181	24	18	628	13	22	32	15	19	22	15
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	0.88	0.12	1.00	0.98	0.02	0.32	0.46	0.22	0.35	0.39	0.26
Final Sat.:	1600	1412	188	1600	1569	31	519	736	344	555	620	424
Capacity Analysis Module:												
Vol/Sat:	0.00	0.13	0.13	0.01	0.40	0.40	0.01	0.04	0.04	0.01	0.04	0.04
Crit Moves:	****				****		****				****	

Long Beach West Gateway
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Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #14 3rd St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.692
Loss Time (sec):	0 (Y+R = 4 sec)	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			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	0	0 0	1 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:30												
Base Vol:	81	157	0	0	518	66	0	0	0	238	997	68
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	84	163	0	0	539	69	0	0	0	248	1037	71
Added Vol:	13	45	0	0	36	73	0	0	0	12	112	19
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	97	208	0	0	575	142	0	0	0	260	1149	90
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
PHF Volume:	113	242	0	0	667	164	0	0	0	301	1333	104
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	113	242	0	0	667	164	0	0	0	301	1333	104
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	113	242	0	0	667	164	0	0	0	301	1333	104
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	1.00	0.00	0.00	1.60	0.40	0.00	0.00	0.00	0.52	2.30	0.18
Final Sat.:	1600	1600	0	0	2567	633	0	0	0	832	3681	287
Capacity Analysis Module:												
Vol/Sat:	0.07	0.15	0.00	0.00	0.26	0.26	0.00	0.00	0.00	0.19	0.36	0.36
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #15 Broadway & Magnolia Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.563
Loss Time (sec): 0 (Y+R = 4 sec) 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
Lanes:	0 0	1 1	0	0 1	1 0	0	0 1	2 0	1	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	0	67	137	24	550	0	13	976	401	0	0	0
Growth Adj:	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
Initial Bse:	0	69	141	25	565	0	13	1003	412	0	0	0
Added Vol:	0	21	29	29	19	0	38	258	124	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	90	170	54	584	0	51	1261	536	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	95	179	57	616	0	54	1330	565	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	95	179	57	616	0	54	1330	565	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	95	179	57	616	0	54	1330	565	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	1.00	1.00	0.17	1.83	0.00	0.12	2.88	1.00	0.00	0.00	0.00
Final Sat.:	0	1600	1600	269	2931	0	188	4612	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.06	0.11	0.04	0.21	0.00	0.03	0.29	0.35	0.00	0.00	0.00
Crit Moves:	****				****				****			

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #16 Ocean Blvd & Magnolia Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.811
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	76	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
Lanes:	1 0	2 0	1	1 0	2 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:45 AM												
Base Vol:	20	21	23	190	151	285	123	733	25	134	1715	255
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	21	22	24	198	157	296	128	762	26	139	1784	265
Added Vol:	0	0	0	64	0	80	31	49	0	0	250	20
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	21	22	24	262	157	376	159	811	26	139	2034	285
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	22	23	25	275	165	396	167	853	27	147	2138	300
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	22	23	25	275	165	396	167	853	27	147	2138	300
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	22	23	25	275	165	396	167	853	27	147	2138	300
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	1.00	1.00	2.00	1.00	1.00	2.91	0.09	1.00	3.00	1.00
Final Sat.:	1600	3200	1600	1600	3200	1600	1600	4651	149	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.01	0.01	0.02	0.17	0.05	0.25	0.10	0.18	0.18	0.09	0.45	0.19
Crit Moves:	****					****	****				****	

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

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

Intersection #17 4th St & Chestnut Ave

Average Delay (sec/veh): 5.0 Worst Case Level Of Service: B[10.3]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Stop Sign			Stop Sign			Uncontrolled			Uncontrolled		
Rights:	Include			Include			Include			Include		
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	9	26	23	6	35	8	6	62	13	8	36	6
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	9	27	24	6	36	8	6	64	14	8	37	6
Added Vol:	0	4	0	0	2	0	0	7	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	9	31	24	6	38	8	6	71	14	8	37	6
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
PHF Volume:	11	37	29	7	46	10	7	85	16	10	45	7
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	11	37	29	7	46	10	7	85	16	10	45	7
Critical Gap Module:												
Critical Gp:	7.1	6.5	6.2	7.1	6.5	6.2	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx
FollowUpTim:	3.5	4.0	3.3	3.5	4.0	3.3	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	204	180	93	209	185	48	52	xxxx	xxxxx	101	xxxx	xxxxx
Potent Cap.:	758	717	969	752	713	1026	1567	xxxx	xxxxx	1503	xxxx	xxxxx
Move Cap.:	707	709	969	695	705	1026	1567	xxxx	xxxxx	1503	xxxx	xxxxx
Volume/Cap:	0.02	0.05	0.03	0.01	0.06	0.01	0.00	xxxx	xxxx	0.01	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	0.0	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	7.3	xxxx	xxxxx	7.4	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	A	*	*	A	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	787	xxxxx	xxxx	740	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	0.3	xxxxx	xxxxx	0.3	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	10.1	xxxxx	xxxxx	10.3	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	B	*	*	B	*	*	*	*	*	*	*
ApproachDel:		10.1			10.3			xxxxxx			xxxxxx	
ApproachLOS:		B			B			*			*	

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #18 3rd St & Chestnut Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.463
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	27	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:15												
Base Vol:	26	28	0	0	28	46	0	0	0	140	1253	20
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	27	29	0	0	29	48	0	0	0	146	1303	21
Added Vol:	9	4	0	0	0	2	0	0	0	0	102	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	36	33	0	0	29	50	0	0	0	146	1405	21
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
PHF Volume:	42	38	0	0	34	58	0	0	0	169	1630	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	42	38	0	0	34	58	0	0	0	169	1630	24
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	42	38	0	0	34	58	0	0	0	169	1630	24
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	1.00	0.00	0.00	0.37	0.63	0.00	0.00	0.00	0.28	2.68	0.04
Final Sat.:	1600	1600	0	0	590	1010	0	0	0	445	4292	64
Capacity Analysis Module:												
Vol/Sat:	0.03	0.02	0.00	0.00	0.06	0.06	0.00	0.00	0.00	0.11	0.38	0.38
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #19 Broadway & Chestnut Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.346
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	28	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			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0 0 1 1			1 1 0 0 0			0 1 1 1 0			0 0 0 0 0		
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	0	31	44	92	22	0	35	894	22	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	32	46	96	23	0	36	930	23	0	0	0
Added Vol:	0	0	0	0	0	0	13	314	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	32	46	96	23	0	49	1244	23	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	0	33	47	99	24	0	51	1284	24	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	33	47	99	24	0	51	1284	24	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	33	47	99	24	0	51	1284	24	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	0.83	1.17	1.61	0.39	0.00	0.11	2.84	0.05	0.00	0.00	0.00
Final Sat.:	0	1323	1877	2582	618	0	180	4536	83	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.03	0.03	0.04	0.04	0.00	0.03	0.28	0.28	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #20 4th St & Cedar Ave

Cycle (sec):	50	Critical Vol./Cap. (X):	0.114
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	16	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
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	2	26	14	9	33	4	7	58	6	6	60	18
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	2	27	15	9	34	4	7	60	6	6	62	19
Added Vol:	0	4	0	0	16	0	0	7	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	2	31	15	9	50	4	7	67	6	6	62	19
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
PHF Volume:	3	37	18	11	60	5	9	81	8	8	75	22
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	37	18	11	60	5	9	81	8	8	75	22
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	3	37	18	11	60	5	9	81	8	8	75	23
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:	0.04	0.65	0.31	0.15	0.79	0.06	0.09	0.83	0.08	0.07	0.72	0.21
Final Sat.:	70	1042	489	235	1261	104	144	1332	124	114	1143	343
Capacity Analysis Module:												
Vol/Sat:	0.00	0.04	0.04	0.01	0.05	0.05	0.01	0.06	0.06	0.00	0.07	0.07
Crit Moves:		****		****			****				****	

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #21 3rd St & Cedar Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.545
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	32	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:30												
Base Vol:	34	15	0	0	24	70	0	0	0	195	1326	43
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	35	16	0	0	25	73	0	0	0	203	1379	45
Added Vol:	10	4	0	0	16	0	0	0	0	58	92	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	45	20	0	0	41	73	0	0	0	261	1471	45
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
PHF Volume:	53	23	0	0	48	84	0	0	0	303	1707	52
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	53	23	0	0	48	84	0	0	0	303	1707	52
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	53	23	0	0	48	84	0	0	0	303	1707	52
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	1.00	0.00	0.00	0.36	0.64	0.00	0.00	0.00	0.44	2.48	0.08
Final Sat.:	1600	1600	0	0	576	1024	0	0	0	705	3975	121
Capacity Analysis Module:												
Vol/Sat:	0.03	0.01	0.00	0.00	0.08	0.08	0.00	0.00	0.00	0.19	0.43	0.43
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #22 Broadway & Cedar Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.350
Loss Time (sec): 0 (Y+R = 4 sec) 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:	Split Phase			Split Phase			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	1	1 1	0 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	0	1	3	123	9	0	15	783	213	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	1	3	128	9	0	16	814	222	0	0	0
Added Vol:	0	0	0	9	0	0	102	212	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	1	3	137	9	0	118	1026	222	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	1	3	145	10	0	124	1085	234	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1	3	145	10	0	124	1085	234	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	1	3	145	10	0	124	1085	234	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	0.50	1.50	1.87	0.13	0.00	0.26	2.25	0.49	0.00	0.00	0.00
Final Sat.:	0	800	2400	2995	205	0	413	3608	779	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.05	0.05	0.00	0.30	0.30	0.30	0.00	0.00	0.00
Crit Moves:			****		****			****				

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #23 7th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.665
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	43	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	1 1	0	0 0	0 0	0	1 0	3 0	1
Volume Module: >> Count Date: 6 Nov 2003 << 7:15												
Base Vol:	44	180	0	0	390	56	0	0	0	180	1332	101
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	46	187	0	0	406	58	0	0	0	187	1385	105
Added Vol:	2	53	0	0	26	19	0	0	0	9	59	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	48	240	0	0	432	77	0	0	0	196	1444	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:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	52	261	0	0	468	84	0	0	0	213	1566	116
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	52	261	0	0	468	84	0	0	0	213	1566	116
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	52	261	0	0	468	84	0	0	0	213	1566	116
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	1.70	0.30	0.00	0.00	0.00	1.00	3.00	1.00
Final Sat.:	1600	3200	0	0	2714	486	0	0	0	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.03	0.08	0.00	0.00	0.17	0.17	0.00	0.00	0.00	0.13	0.33	0.07
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #24 6th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.437
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	29	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			Prot+Permit			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1 1	0	1 0	2 0	0	1 0	3 0	1	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 7:15												
Base Vol:	0	166	95	82	405	0	28	598	21	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	173	99	85	421	0	29	622	22	0	0	0
Added Vol:	0	54	0	1	34	0	1	9	1	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	227	99	86	455	0	30	631	23	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	240	105	91	482	0	32	668	24	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	240	105	91	482	0	32	668	24	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	240	105	91	482	0	32	668	24	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	1.39	0.61	1.00	2.00	0.00	1.00	3.00	1.00	0.00	0.00	0.00
Final Sat.:	0	2229	971	1600	3200	0	1600	4800	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.11	0.11	0.06	0.15	0.00	0.02	0.14	0.02	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #25 4th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.402
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	27	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:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 1	0	0 1	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	9	150	17	1	464	8	11	29	34	15	63	8
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	9	156	18	1	483	8	11	30	35	16	66	8
Added Vol:	0	50	0	0	35	0	3	3	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	9	206	18	1	518	8	14	33	35	16	66	8
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
PHF Volume:	11	246	21	1	617	10	17	40	42	19	78	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	246	21	1	617	10	17	40	42	19	78	10
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	11	246	21	1	617	10	17	40	42	19	78	10
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	1.84	0.16	0.01	1.96	0.03	1.00	0.48	0.52	1.00	0.89	0.11
Final Sat.:	1600	2947	253	6	3143	51	1600	774	826	1600	1420	180
Capacity Analysis Module:												
Vol/Sat:	0.01	0.08	0.08	0.00	0.20	0.20	0.01	0.05	0.05	0.01	0.06	0.06
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #26 3rd St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.708
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	47	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
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	1 0	2 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:30												
Base Vol:	57	109	0	0	324	118	0	0	0	57	1412	33
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	59	113	0	0	337	123	0	0	0	59	1468	34
Added Vol:	17	40	0	0	16	19	0	0	0	6	118	10
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	76	153	0	0	353	142	0	0	0	65	1586	44
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
PHF Volume:	88	177	0	0	408	164	0	0	0	75	1832	51
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	88	177	0	0	408	164	0	0	0	75	1832	51
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	88	177	0	0	408	164	0	0	0	75	1832	51
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	2.00	1.00	0.00	0.00	0.00	1.00	2.92	0.08
Final Sat.:	1600	3200	0	0	3200	1600	0	0	0	1600	4670	130
Capacity Analysis Module:												
Vol/Sat:	0.06	0.06	0.00	0.00	0.13	0.10	0.00	0.00	0.00	0.05	0.39	0.39
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #27 Broadway & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.523
Loss Time (sec):	10 (Y+R = 4 sec)	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			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	2 0	1	1 0	2 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 5 Nov 2003 << 8:00												
Base Vol:	0	162	49	79	381	0	23	703	189	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	168	51	82	396	0	24	731	197	0	0	0
Added Vol:	0	27	5	18	15	0	20	184	17	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	195	56	100	411	0	44	915	214	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	212	61	109	446	0	48	993	232	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	212	61	109	446	0	48	993	232	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	212	61	109	446	0	48	993	232	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	2.00	1.00	1.00	2.00	0.00	1.00	2.43	0.57	0.00	0.00	0.00
Final Sat.:	0	3200	1600	1600	3200	0	1600	3892	908	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.07	0.04	0.07	0.14	0.00	0.03	0.26	0.26	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #28 Ocean Blvd & Pacific Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.809
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	97	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			Prot+Permit			Prot+Permit		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1! 0	0	1 1	0 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:45												
Base Vol:	7	2	6	97	3	287	205	672	21	30	1746	183
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	7	2	6	101	3	298	213	699	22	31	1816	190
Added Vol:	0	0	0	22	0	10	7	106	0	0	264	26
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	7	2	6	123	3	308	220	805	22	31	2080	216
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	8	2	7	129	3	325	232	847	23	33	2189	228
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	2	7	129	3	325	232	847	23	33	2189	228
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	2	7	129	3	325	232	847	23	33	2189	228
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:	0.47	0.13	0.40	1.95	0.05	1.00	1.00	2.92	0.08	1.00	3.00	1.00
Final Sat.:	747	213	640	3121	79	1600	1600	4673	127	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.00	0.01	0.01	0.04	0.04	0.20	0.14	0.18	0.18	0.02	0.46	0.14
Crit Moves:	****					****	****				****	

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #29 4th St & Pine Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.251
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	19	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
Lanes:	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 6 Nov 2003 << 8:00												
Base Vol:	6	109	23	18	151	20	12	45	14	11	63	18
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	6	113	24	19	157	21	12	47	15	11	66	19
Added Vol:	0	51	0	0	29	0	3	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	6	164	24	19	186	21	15	47	15	11	66	19
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
PHF Volume:	8	211	31	24	239	27	20	60	19	15	84	24
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	211	31	24	239	27	20	60	19	15	84	24
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	211	31	24	239	27	20	60	19	15	84	24
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	0.87	0.13	1.00	0.90	0.10	1.00	0.76	0.24	1.00	0.78	0.22
Final Sat.:	1600	1397	203	1600	1439	161	1600	1220	380	1600	1244	356
Capacity Analysis Module:												
Vol/Sat:	0.01	0.15	0.15	0.02	0.17	0.17	0.01	0.05	0.05	0.01	0.07	0.07
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #30 3rd St & Pine Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.519
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	1 0	1 0	0	0 0	1 0	1	0 0	0 0	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:30												
Base Vol:	51	96	0	0	126	61	0	0	0	71	1447	55
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	53	100	0	0	131	63	0	0	0	74	1505	57
Added Vol:	8	40	0	0	24	6	0	0	0	24	120	11
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	61	140	0	0	155	69	0	0	0	98	1625	68
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	67	153	0	0	170	76	0	0	0	107	1780	75
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	67	153	0	0	170	76	0	0	0	107	1780	75
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	67	153	0	0	170	76	0	0	0	107	1780	75
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	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00	3.00	1.00
Final Sat.:	1600	1600	0	0	1600	1600	0	0	0	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.04	0.10	0.00	0.00	0.11	0.05	0.00	0.00	0.00	0.07	0.37	0.05
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #31 Broadway & Pine Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.418
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 25 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
Lanes:	0 0	0 1	0	1 0	1 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	0	103	40	50	177	0	27	710	98	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	107	42	52	184	0	28	738	102	0	0	0
Added Vol:	0	31	21	23	16	0	31	168	1	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	138	63	75	200	0	59	906	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:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	151	68	82	218	0	64	990	112	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	151	68	82	218	0	64	990	112	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	151	68	82	218	0	64	990	112	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	0.69	0.31	1.00	1.00	0.00	1.00	2.69	0.31	0.00	0.00	0.00
Final Sat.:	0	1101	499	1600	1600	0	1600	4311	489	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.14	0.14	0.05	0.14	0.00	0.04	0.23	0.23	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #32 Ocean Blvd & Pine Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.661
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 42 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
Lanes:	1 0	1 0	1	0 1	0 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	41	41	33	37	38	83	66	670	86	43	1892	142
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	43	43	34	38	40	86	69	697	89	45	1968	148
Added Vol:	47	5	25	9	4	5	15	92	21	14	238	32
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	90	48	59	47	44	91	84	789	110	59	2206	180
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	95	50	63	50	46	97	89	835	117	62	2334	190
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	95	50	63	50	46	97	89	835	117	62	2334	190
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	95	50	63	50	46	97	89	835	117	62	2334	190
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	1.00	1.00	0.52	0.48	1.00	1.00	2.63	0.37	1.00	3.00	1.00
Final Sat.:	1600	1600	1600	835	765	1600	1600	4210	590	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.06	0.03	0.04	0.03	0.06	0.06	0.06	0.20	0.20	0.04	0.49	0.12
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #33 3rd St & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.750
Loss Time (sec):	10 (Y+R = 4 sec)	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:	Protected			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	0 1	2 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:15												
Base Vol:	68	236	0	0	398	175	0	0	0	83	1375	130
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	71	245	0	0	414	182	0	0	0	86	1430	135
Added Vol:	64	89	0	0	16	41	0	0	0	0	32	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	135	334	0	0	430	223	0	0	0	86	1462	135
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
PHF Volume:	152	378	0	0	486	252	0	0	0	98	1652	153
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	152	378	0	0	486	252	0	0	0	98	1652	153
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	152	378	0	0	486	252	0	0	0	98	1652	153
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	2.00	1.00	0.00	0.00	0.00	0.17	2.83	1.00
Final Sat.:	1600	3200	0	0	3200	1600	0	0	0	268	4532	1600
Capacity Analysis Module:												
Vol/Sat:	0.10	0.12	0.00	0.00	0.15	0.16	0.00	0.00	0.00	0.06	0.36	0.10
Crit Moves:	****					****					****	

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #34 Broadway & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.707
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	47	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
Lanes:	0 0	2 0	1	2 0	2 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	0	376	64	193	284	0	202	1317	83	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	391	67	201	295	0	210	1370	86	0	0	0
Added Vol:	0	34	0	0	16	0	119	82	82	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	425	67	201	311	0	329	1452	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:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	0	458	72	216	335	0	354	1563	181	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	458	72	216	335	0	354	1563	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
Final Vol.:	0	458	72	216	335	0	354	1563	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	2.00	1.00	2.00	2.00	0.00	1.00	2.69	0.31	0.00	0.00	0.00
Final Sat.:	0	3200	1600	3200	3200	0	1600	4301	499	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.14	0.04	0.07	0.10	0.00	0.22	0.36	0.36	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #35 Ocean Blvd & Long Beach Blvd

Cycle (sec): 90 Critical Vol./Cap. (X): 0.695
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 61 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			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 0	0	1 0	1! 0	1	1 0	3 0	0	0 0	3 0	1
Volume Module: >> Count Date: 4 Nov 2003 << 7:15 AM												
Base Vol:	0	0	0	44	0	245	132	487	0	0	1924	100
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	0	0	46	0	255	137	506	0	0	2001	104
Added Vol:	0	0	0	31	0	67	11	115	0	0	217	23
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	77	0	322	148	621	0	0	2218	127
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	0	0	0	81	0	341	157	659	0	0	2352	135
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	81	0	341	157	659	0	0	2352	135
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	81	0	341	157	659	0	0	2352	135
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	0.00	0.00	1.00	0.00	2.00	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	1600	0	3200	1600	4800	0	0	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.05	0.00	0.11	0.10	0.14	0.00	0.00	0.49	0.08
Crit Moves:						****	****				****	

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #36 Ocean Blvd & Shoreline Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.955
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	180	Level Of Service:	E

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	3 0	1	1 0	2 1	0	1 0	2 1	0	2 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	26	72	125	49	271	302	107	432	13	426	1765	55
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	27	75	130	51	282	314	111	449	14	443	1836	57
Added Vol:	0	2	16	2	3	12	28	130	0	24	82	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	27	77	146	53	285	326	139	579	14	467	1918	58
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	28	79	151	55	294	337	144	598	14	482	1979	60
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	28	79	151	55	294	337	144	598	14	482	1979	60
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	28	79	151	55	294	337	144	598	14	482	1979	60
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	3.00	1.00	1.00	2.00	1.00	1.00	2.93	0.07	2.00	1.94	0.06
Final Sat.:	1600	4800	1600	1600	3200	1600	1600	4691	109	3200	3106	94
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.09	0.03	0.09	0.21	0.09	0.13	0.13	0.15	0.64	0.64
Crit Moves:	****					****	****				****	

Long Beach West Gateway
Year 2007 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #37 7th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.657
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	42	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	0	0	0	0
Lanes:	1	0	1	0 0	0	0	0	1 0	0	0	0	0 0	0	1	1	1 0
Volume Module: >> Count Date: 6 Nov 2003 << 7:00																
Base Vol:	57	150	0	0	247	61	0	0	0	184	1333	59				
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04				
Initial Bse:	59	156	0	0	257	63	0	0	0	191	1386	61				
Added Vol:	0	74	0	0	50	0	0	0	0	57	9	8				
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0				
Initial Fut:	59	230	0	0	307	63	0	0	0	248	1395	69				
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95				
PHF Volume:	62	242	0	0	322	67	0	0	0	261	1466	73				
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0				
Reduced Vol:	62	242	0	0	322	67	0	0	0	261	1466	73				
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Final Vol.:	62	242	0	0	322	67	0	0	0	261	1466	73				
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	1.00	0.00	0.00	0.83	0.17	0.00	0.00	0.00	0.43	2.45	0.12				
Final Sat.:	1600	1600	0	0	1326	274	0	0	0	696	3910	194				
Capacity Analysis Module:																
Vol/Sat:	0.04	0.15	0.00	0.00	0.24	0.24	0.00	0.00	0.00	0.16	0.37	0.37				
Crit Moves:	****				****						****					

Long Beach West Gateway
2007 with Project
PM Peak Hour

Scenario Report

Scenario:	2007 PM Project
Command:	2007 PM Project
Volume:	2007 PM Peak
Geometry:	Existing
Impact Fee:	Default Impact Fee
Trip Generation:	Default Trip Generation
Trip Distribution:	Default Trip Distribution
Paths:	Default Paths
Routes:	Default Routes
Configuration:	Default Configuration

Long Beach West Gateway
2007 with Project
PM Peak Hour

Trip Generation Report

Forecast for 2007 PM Peak

Zone #	Subzone	Amount	Units	Rate In	Rate Out	Trips In	Trips Out	Total Trips	% Of Total
1	100 E. Ocean	1.00	Apartments	56.00	30.00	56	30	86	2.2
	Zone 1 Subtotal					56	30	86	2.2
2	Promenade -	1.00	Apartments - O	55.00	39.00	55	39	94	2.4
2	Promenade -	1.00	Apartments - G	41.00	31.00	41	31	72	1.9
	Zone 2 Subtotal					96	70	166	4.3
3	Ocean Villas	1.00	Apartments	213.00	110.00	213	110	323	8.4
	Zone 3 Subtotal					213	110	323	8.4
4	Insurance Ex	1.00	Condos & Shopp	26.00	26.00	26	26	52	1.3
	Zone 4 Subtotal					26	26	52	1.3
5	Broadway Lof	1.00	Condos & Shopp	45.00	41.00	45	41	86	2.2
	Zone 5 Subtotal					45	41	86	2.2
6	Promenade -	1.00	Apartments - L	75.00	57.00	75	57	132	3.4
	Zone 6 Subtotal					75	57	132	3.4
7	City Place -	1.00	Shopping Cente	15.00	7.00	15	7	22	0.6
	Zone 7 Subtotal					15	7	22	0.6
8	PCS Apartmen	1.00	Apartments	17.00	9.00	17	9	26	0.7
	Zone 8 Subtotal					17	9	26	0.7
9	City Place L	1.00	Apartments	28.00	14.00	28	14	42	1.1
	Zone 9 Subtotal					28	14	42	1.1
10	4th Street L	1.00	Apartments	25.00	19.00	25	19	44	1.1
	Zone 10 Subtotal					25	19	44	1.1
11	The Pike	1.00	Theatre	95.00	54.00	95	54	149	3.9
11	The Pike	1.00	Restaurant	432.00	288.00	432	288	720	18.6
11	The Pike	1.00	Shopping Cente	284.00	307.00	284	307	591	15.3
11	The Pike	1.00	Night Club	153.00	79.00	153	79	232	6.0
	Zone 11 Subtotal					964	728	1692	43.8
15	Newberry's	1.00	Apartments	11.00	6.00	11	6	17	0.4
	Zone 15 Subtotal					11	6	17	0.4
16	D'Orsay Emba	1.00	Hotel	59.00	74.00	59	74	133	3.4
	Zone 16 Subtotal					59	74	133	3.4

Long Beach West Gateway
2007 with Project
PM Peak Hour

Zone #	Subzone	Amount	Units	Rate In	Rate Out	Trips In	Trips Out	Total Trips	% Of Total
17	Project - Br	1.00	Elementary Sch	18.00	22.00	18	22	40	1.0
	Zone 17 Subtotal					18	22	40	1.0
18	World Trade	1.00	Condo Units &	180.00	143.00	180	143	323	8.4
	Zone 18 Subtotal					180	143	323	8.4
19	Project - Si	1.00	Apartments	15.00	11.00	15	11	26	0.7
	Zone 19 Subtotal					15	11	26	0.7
20	Project - Si	1.00	Condo Units	90.00	68.00	90	68	158	4.1
	Zone 20 Subtotal					90	68	158	4.1
21	Project - Si	1.00	Condo Units	78.00	58.00	78	58	136	3.5
	Zone 21 Subtotal					78	58	136	3.5
22	Project - Si	1.00	Apartments	78.00	57.00	78	57	135	3.5
22	Project - Si	1.00	Retail	27.00	29.00	27	29	56	1.4
22	Project - Si	1.00	PassBy	-27.00	-27.00	-27	-27	-54	-1.4
22	Project - Si	1.00	Pedestrian	0.00	-2.00	0	-2	-2	-0.1
	Zone 22 Subtotal					78	57	135	3.5
25	Cedar Court	1.00	Apartments	19.00	14.00	19	14	33	0.9
25	Cedar Court	1.00	Retail Stores	6.00	7.00	6	7	13	0.3
25	Cedar Court	1.00	Pedestrian	-6.00	-7.00	-6	-7	-13	-0.3
	Zone 25 Subtotal					19	14	33	0.9
26	Cedar Court	1.00	Office Parking	37.00	180.00	37	180	217	5.6
26	Cedar Court	1.00	Transit	-4.00	-18.00	-4	-18	-22	-0.6
	Zone 26 Subtotal					33	162	195	5.0
TOTAL						2141	1726	3867	100.0

Long Beach West Gateway
2007 with Project
PM Peak Hour

Trip Distribution Report

Percent Of Trips PM Peak

Zone	To Gates 1	2	3	6	8	10	11	14	15	20	41
1	16.0	32.0	0.0	32.0	14.0	6.0	11.0	0.0	0.0	9.0	12.0
2	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
3	16.0	32.0	0.0	32.0	14.0	6.0	11.0	0.0	0.0	9.0	12.0
4	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
5	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
6	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
7	15.0	22.0	42.0	0.0	13.0	6.0	8.0	20.0	0.0	6.0	10.0
8	15.0	22.0	42.0	0.0	13.0	6.0	8.0	20.0	0.0	6.0	10.0
9	13.0	24.0	28.0	0.0	11.0	6.0	10.0	15.0	11.0	9.0	12.0
10	13.0	24.0	28.0	0.0	11.0	6.0	10.0	15.0	11.0	9.0	12.0
11	12.0	8.0	0.0	8.0	28.0	3.0	6.0	0.0	0.0	5.0	5.0
15	13.0	24.0	28.0	0.0	11.0	6.0	10.0	15.0	11.0	9.0	12.0
16	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
17	15.0	20.0	37.0	0.0	14.0	7.0	10.0	17.0	0.0	9.0	8.0
18	15.0	32.0	32.0	0.0	14.0	7.0	12.0	0.0	0.0	12.0	8.0
19	15.0	34.0	34.0	0.0	5.0	10.0	5.0	8.0	8.0	8.0	15.0
20	15.0	42.0	42.0	0.0	5.0	10.0	5.0	0.0	0.0	8.0	15.0
21	15.0	42.0	42.0	0.0	5.0	10.0	5.0	0.0	0.0	8.0	15.0
22	15.0	42.0	42.0	0.0	5.0	10.0	5.0	0.0	0.0	8.0	15.0
23	15.0	34.0	34.0	0.0	5.0	10.0	5.0	8.0	8.0	8.0	15.0
24	15.0	28.0	28.0	0.0	5.0	10.0	5.0	14.0	14.0	8.0	15.0
25	15.0	34.0	34.0	0.0	5.0	5.0	10.0	8.0	8.0	8.0	15.0
26	15.0	34.0	34.0	0.0	5.0	5.0	10.0	8.0	8.0	8.0	15.0

Zone	To Gates 42
1	0.0
2	0.0
3	0.0
4	0.0
5	0.0
6	0.0
7	0.0
8	0.0
9	0.0
10	0.0
11	33.0
15	0.0
16	0.0
17	0.0
18	0.0
19	0.0

Long Beach West Gateway
2007 with Project
PM Peak Hour

Zone	To Gates 42
20	0.0
21	0.0
22	0.0
23	0.0
24	0.0
25	0.0
26	0.0

Long Beach West Gateway
2007 with Project
PM Peak Hour

Turning Movement Report
2007 PM Peak

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#1 4th St & Golden Ave													
Base	0	15	12	11	23	2	1	3	0	11	2	14	95
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	15	12	11	23	2	1	3	0	11	2	14	95
#2 3rd St & Golden Ave													
Base	5	6	0	0	1	19	0	0	0	3	776	29	839
Added	0	0	0	0	0	0	0	0	0	63	262	0	325
Total	5	6	0	0	1	19	0	0	0	66	1038	29	1164
#3 Broadway & Golden Shore Ave													
Base	0	0	0	58	0	0	0	1327	0	0	0	0	1385
Added	0	0	0	63	0	0	0	503	0	0	0	0	566
Total	0	0	0	121	0	0	0	1830	0	0	0	0	1951
#4 Ocean Blvd & Golden Shore Ave													
Base	184	573	137	11	7	1	118	1719	56	155	989	501	4452
Added	0	0	0	0	0	0	57	236	0	0	238	188	719
Total	184	573	137	11	7	1	175	1955	56	155	1227	689	5171
#5 4th St & Maine Ave													
Base	12	18	20	7	8	3	2	20	5	10	36	16	158
Added	0	3	8	0	4	0	0	0	0	6	0	0	21
Total	12	21	28	7	12	3	2	20	5	16	36	16	179
#6 3rd St & Maine Ave													
Base	81	51	0	0	20	17	0	0	0	41	692	32	933
Added	54	8	0	0	5	4	0	0	0	6	267	5	349
Total	135	59	0	0	25	21	0	0	0	47	959	37	1282
#7 Broadway & Maine Ave													
Base	0	54	129	14	10	0	31	1307	47	0	0	0	1592
Added	0	0	0	9	0	0	62	474	0	0	0	0	545
Total	0	54	129	23	10	0	93	1781	47	0	0	0	2137
#8 4th St & Daisy Ave													
Base	6	20	23	12	34	26	15	59	2	9	50	10	267
Added	0	0	4	0	0	0	1	7	0	0	6	0	18
Total	6	20	27	12	34	26	16	66	2	9	56	10	285
#9 3rd St & Daisy Ave													
Base	27	16	0	0	20	34	0	0	0	20	716	27	859
Added	9	0	0	0	0	0	0	0	0	0	279	4	292
Total	36	16	0	0	20	34	0	0	0	20	995	31	1151

Long Beach West Gateway
2007 with Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#10 Broadway & Daisy Ave													
Base	0	8	48	30	0	0	19	1107	3	0	0	0	1215
Added	0	0	0	0	0	0	9	461	0	0	0	0	470
Total	0	8	48	30	0	0	28	1568	3	0	0	0	1685
#11 6th St & Magnolia Ave													
Base	0	365	46	49	293	0	45	1331	40	0	0	0	2168
Added	0	84	0	6	195	0	0	15	1	0	0	0	301
Total	0	449	46	55	488	0	45	1346	41	0	0	0	2469
#12 5th St & Magnolia Ave													
Base	16	399	14	34	253	28	10	10	11	4	12	38	831
Added	0	83	0	1	195	0	0	0	0	0	0	0	279
Total	16	482	14	35	448	28	10	10	11	4	12	38	1110
#13 4th St & Magnolia Ave													
Base	6	412	36	36	238	29	26	49	24	18	36	31	942
Added	0	76	1	0	190	5	7	4	0	0	1	0	284
Total	6	488	37	36	428	34	33	53	24	18	37	31	1226
#14 3rd St & Magnolia Ave													
Base	81	346	0	0	240	56	0	0	0	80	626	92	1522
Added	15	48	0	0	80	111	0	0	0	18	174	29	475
Total	96	394	0	0	320	167	0	0	0	98	800	121	1997
#15 Broadway & Magnolia Ave													
Base	0	367	110	51	237	0	59	928	189	0	0	0	1942
Added	0	38	13	35	63	0	25	317	115	0	0	0	606
Total	0	405	123	86	300	0	84	1245	304	0	0	0	2548
#16 Ocean Blvd & Magnolia Ave													
Base	85	67	76	208	49	311	114	1658	31	71	1335	94	4099
Added	0	0	0	115	0	64	17	220	0	0	362	34	812
Total	85	67	76	323	49	375	131	1878	31	71	1697	128	4911
#17 4th St & Chestnut Ave													
Base	10	47	32	8	9	7	10	161	11	15	98	10	420
Added	0	3	0	0	6	0	0	5	0	0	1	0	15
Total	10	50	32	8	15	7	10	166	11	15	99	10	435
#18 3rd St & Chestnut Ave													
Base	97	56	0	0	18	27	0	0	0	85	703	49	1035
Added	7	3	0	0	0	6	0	0	0	0	197	0	213
Total	104	59	0	0	18	33	0	0	0	85	900	49	1248

Long Beach West Gateway
2007 with Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#19 Broadway & Chestnut Ave													
Base	0	119	146	147	28	0	26	1265	4	0	0	0	1734
Added	0	0	0	0	0	0	10	322	0	0	0	0	332
Total	0	119	146	147	28	0	36	1587	4	0	0	0	2066
#20 4th St & Cedar Ave													
Base	8	61	20	14	29	14	14	153	7	9	92	29	449
Added	0	28	0	0	3	0	0	5	0	0	1	0	37
Total	8	89	20	14	32	14	14	158	7	9	93	29	486
#21 3rd St & Cedar Ave													
Base	67	44	0	0	30	31	0	0	0	44	710	58	984
Added	73	28	0	0	3	0	0	0	0	11	124	0	239
Total	140	72	0	0	33	31	0	0	0	55	834	58	1223
#22 Broadway & Cedar Ave													
Base	0	60	130	34	2	0	29	1356	0	0	0	0	1612
Added	0	0	0	61	0	0	19	302	0	0	0	0	382
Total	0	60	130	95	2	0	48	1658	0	0	0	0	1994
#23 7th St & Pacific Ave													
Base	58	482	0	0	334	52	0	0	0	114	893	111	2045
Added	2	75	0	0	72	13	0	0	0	3	90	2	257
Total	60	557	0	0	406	65	0	0	0	117	983	113	2302
#24 6th St & Pacific Ave													
Base	0	511	161	102	327	0	48	1360	38	0	0	0	2547
Added	0	69	0	4	72	0	8	25	2	0	0	0	180
Total	0	580	161	106	399	0	56	1385	40	0	0	0	2727
#25 4th St & Pacific Ave													
Base	15	649	37	3	239	9	70	70	16	19	45	17	1188
Added	0	66	0	0	73	0	3	3	0	0	0	0	145
Total	15	715	37	3	312	9	73	73	16	19	45	17	1333
#26 3rd St & Pacific Ave													
Base	103	425	0	0	225	58	0	0	0	149	660	150	1770
Added	18	52	0	0	64	9	0	0	0	11	117	14	285
Total	121	477	0	0	289	67	0	0	0	160	777	164	2055
#27 Broadway & Pacific Ave													
Base	0	449	230	123	185	0	92	1350	92	0	0	0	2520
Added	0	36	18	24	55	0	27	271	66	0	0	0	497
Total	0	485	248	147	240	0	119	1621	158	0	0	0	3017

Long Beach West Gateway
2007 with Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#28 Ocean Blvd & Pacific Ave													
Base	15	9	21	162	1	204	178	1914	19	29	1215	125	3891
Added	0	0	0	87	0	33	28	324	0	0	392	27	891
Total	15	9	21	249	1	237	206	2238	19	29	1607	152	4782
#29 4th St & Pine Ave													
Base	17	241	64	41	118	18	20	110	18	16	81	37	780
Added	0	69	0	0	92	0	3	0	0	0	0	0	164
Total	17	310	64	41	210	18	23	110	18	16	81	37	944
#30 3rd St & Pine Ave													
Base	74	196	0	0	201	53	0	0	0	95	823	138	1579
Added	25	58	0	0	84	8	0	0	0	38	109	11	333
Total	99	254	0	0	285	61	0	0	0	133	932	149	1912
#31 Broadway & Pine Ave													
Base	0	192	124	69	107	0	42	1516	86	0	0	0	2136
Added	0	44	57	65	48	0	28	273	6	0	0	0	521
Total	0	236	181	134	155	0	70	1789	92	0	0	0	2657
#32 Ocean Blvd & Pine Ave													
Base	102	87	112	142	68	137	82	1960	96	58	1169	136	4151
Added	150	17	72	14	29	11	35	227	149	101	258	49	1112
Total	252	104	184	156	97	148	117	2187	245	159	1427	185	5263
#33 3rd St & Long Beach Blvd													
Base	163	490	0	0	428	176	0	0	0	92	612	175	2135
Added	91	130	0	0	75	63	0	0	0	0	18	0	377
Total	254	620	0	0	503	239	0	0	0	92	630	175	2512
#34 Broadway & Long Beach Blvd													
Base	0	244	57	93	441	0	70	524	190	0	0	0	1619
Added	0	64	0	0	75	0	157	90	114	0	0	0	500
Total	0	308	57	93	516	0	227	614	304	0	0	0	2119
#35 Ocean Blvd & Long Beach Blvd													
Base	0	0	0	133	0	257	200	1731	0	0	887	106	3313
Added	0	0	0	57	0	131	48	266	0	0	277	17	796
Total	0	0	0	190	0	388	248	1997	0	0	1164	123	4109
#36 Ocean Blvd & Shoreline Ave													
Base	55	647	572	96	97	147	322	1736	31	160	867	61	4791
Added	0	25	143	2	34	56	31	164	0	189	213	3	860
Total	55	672	715	98	131	203	353	1900	31	349	1080	64	5651

Long Beach West Gateway
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Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#37 7th St & Magnolia Ave													
Base	80	286	0	0	295	48	0	0	0	80	636	94	1519
Added	0	84	0	0	111	0	0	0	0	89	18	6	308
Total	80	370	0	0	406	48	0	0	0	169	654	100	1827
#41 6th Street and Cedar Ave													
Base	0	74	48	32	64	0	19	822	15	0	0	0	1073
Added	0	13	15	0	2	0	0	20	1	0	0	0	51
Total	0	87	63	32	66	0	19	842	16	0	0	0	1124
#43 5th Street & Cedar Ave													
Base	10	86	18	26	56	9	4	58	5	6	41	20	340
Added	0	28	0	0	3	0	0	1	0	0	0	0	32
Total	10	114	18	26	59	9	4	59	5	6	41	20	372

Long Beach West Gateway
2007 with Project
PM Peak Hour

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 1 4th St & Golden Ave	A	7.0	0.045	A	7.0	0.045	+ 0.000 V/C
# 2 3rd St & Golden Ave	A	xxxxx	0.294	A	xxxxx	0.384	+ 0.090 V/C
# 4 Ocean Blvd & Golden Shore Ave	D	xxxxx	0.810	D	xxxxx	0.864	+ 0.054 V/C
# 5 4th St & Maine Ave	A	7.2	0.077	A	7.3	0.086	+ 0.009 V/C
# 6 3rd St & Maine Ave	C	21.4	0.000	F	58.3	0.000	+36.913 D/V
# 7 Broadway & Maine Ave	E	45.5	0.000	F	OVRFL	0.000	+ 3.4E+0038
# 8 4th St & Daisy Ave	A	7.6	0.104	A	7.7	0.116	+ 0.012 V/C
# 9 3rd St & Daisy Ave	C	15.2	0.000	C	19.7	0.000	+ 4.435 D/V
# 10 Broadway & Daisy Ave	A	xxxxx	0.247	A	xxxxx	0.326	+ 0.079 V/C
# 11 6th St & Magnolia Ave	A	xxxxx	0.599	B	xxxxx	0.660	+ 0.061 V/C
# 12 5th St & Magnolia Ave	C	17.2	0.000	D	25.6	0.000	+ 8.413 D/V
# 13 4th St & Magnolia Ave	A	xxxxx	0.414	A	xxxxx	0.479	+ 0.065 V/C
# 14 3rd St & Magnolia Ave	A	xxxxx	0.426	A	xxxxx	0.510	+ 0.085 V/C
# 15 Broadway & Magnolia Ave	A	xxxxx	0.400	A	xxxxx	0.513	+ 0.113 V/C
# 16 Ocean Blvd & Magnolia Ave	B	xxxxx	0.671	C	xxxxx	0.754	+ 0.083 V/C
# 17 4th St & Chestnut Ave	B	11.6	0.000	B	11.7	0.000	+ 0.159 D/V
# 18 3rd St & Chestnut Ave	A	xxxxx	0.281	A	xxxxx	0.334	+ 0.053 V/C
# 19 Broadway & Chestnut Ave	A	xxxxx	0.441	A	xxxxx	0.516	+ 0.075 V/C
# 20 4th St & Cedar Ave	A	xxxxx	0.187	A	xxxxx	0.209	+ 0.022 V/C
# 21 3rd St & Cedar Ave	A	xxxxx	0.265	A	xxxxx	0.345	+ 0.080 V/C
# 22 Broadway & Cedar Ave	A	xxxxx	0.378	A	xxxxx	0.469	+ 0.090 V/C
# 23 7th St & Pacific Ave	A	xxxxx	0.510	A	xxxxx	0.562	+ 0.051 V/C
# 24 6th St & Pacific Ave	C	xxxxx	0.714	C	xxxxx	0.744	+ 0.030 V/C

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Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 25 4th St & Pacific Ave	A	xxxxx	0.452	A	xxxxx	0.476	+ 0.024 V/C
# 26 3rd St & Pacific Ave	A	xxxxx	0.464	A	xxxxx	0.528	+ 0.064 V/C
# 27 Broadway & Pacific Ave	C	xxxxx	0.702	D	xxxxx	0.804	+ 0.102 V/C
# 28 Ocean Blvd & Pacific Ave	B	xxxxx	0.608	C	xxxxx	0.704	+ 0.096 V/C
# 29 4th St & Pine Ave	A	xxxxx	0.346	A	xxxxx	0.394	+ 0.047 V/C
# 30 3rd St & Pine Ave	A	xxxxx	0.377	A	xxxxx	0.477	+ 0.100 V/C
# 31 Broadway & Pine Ave	B	xxxxx	0.614	C	xxxxx	0.787	+ 0.173 V/C
# 32 Ocean Blvd & Pine Ave	B	xxxxx	0.694	E	xxxxx	0.969	+ 0.276 V/C
# 33 3rd St & Long Beach Blvd	A	xxxxx	0.537	B	xxxxx	0.626	+ 0.089 V/C
# 34 Broadway & Long Beach Blvd	A	xxxxx	0.444	A	xxxxx	0.515	+ 0.071 V/C
# 35 Ocean Blvd & Long Beach Blvd	B	xxxxx	0.689	D	xxxxx	0.855	+ 0.166 V/C
# 36 Ocean Blvd & Shoreline Ave	E	xxxxx	0.935	F	xxxxx	1.118	+ 0.183 V/C
# 37 7th St & Magnolia Ave	A	xxxxx	0.459	A	xxxxx	0.557	+ 0.098 V/C

Long Beach West Gateway
2007 with Project
PM Peak Hour

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

Intersection #1 4th St & Golden Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.045
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.0
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 0	0 1	0	0 0	1! 0	0	0 1	0 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 5:00												
Base Vol:	0	14	12	11	22	2	1	3	0	11	2	13
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	15	12	11	23	2	1	3	0	11	2	14
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	15	12	11	23	2	1	3	0	11	2	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	0	16	14	13	25	2	1	3	0	13	2	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	16	14	13	25	2	1	3	0	13	2	15
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	16	14	13	25	2	1	3	0	13	2	15
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	0.54	0.46	0.31	0.63	0.06	0.25	0.75	0.00	0.42	0.08	0.50
Final Sat.:	0	515	442	279	557	51	215	645	0	391	71	462
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.03	0.03	0.05	0.05	0.05	0.01	0.01	xxxx	0.03	0.03	0.03
Crit Moves:		****		****				****				****
Delay/Veh:	0.0	6.8	6.8	7.2	7.2	7.2	7.1	7.1	0.0	7.0	7.0	7.0
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	6.8	6.8	7.2	7.2	7.2	7.1	7.1	0.0	7.0	7.0	7.0
LOS by Move:	*	A	A	A	A	A	A	A	*	A	A	A
ApproachDel:		6.8			7.2			7.1			7.0	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		6.8			7.2			7.1			7.0	
LOS by Appr:		A			A			A			A	

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #2 3rd St & Golden Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.384
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	23	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
Lanes:	0 1	0 0	0	0 0	0 1	0	0 0	0 0	0	1 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:15												
Base Vol:	5	6	0	0	1	18	0	0	0	3	746	28
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	5	6	0	0	1	19	0	0	0	3	776	29
Added Vol:	0	0	0	0	0	0	0	0	0	63	262	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	5	6	0	0	1	19	0	0	0	66	1038	29
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	6	7	0	0	1	21	0	0	0	73	1142	32
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	7	0	0	1	21	0	0	0	73	1142	32
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	6	7	0	0	1	21	0	0	0	73	1142	32
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:	0.45	0.55	0.00	0.00	0.05	0.95	0.00	0.00	0.00	1.00	1.95	0.05
Final Sat.:	727	873	0	0	84	1516	0	0	0	1600	3113	87
Capacity Analysis Module:												
Vol/Sat:	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.05	0.37	0.37
Crit Moves:	****				****						****	

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 Ocean Blvd & Golden Shore Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.864
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Prot+Permit			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	1 0	1 1	0	1 0	2 1	0	1 0	2 1	1
Volume Module: >> Count Date: 4 Nov 2003 << 4:45												
Base Vol:	177	551	132	11	7	1	113	1653	54	149	951	482
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	184	573	137	11	7	1	118	1719	56	155	989	501
Added Vol:	0	0	0	0	0	0	57	236	0	0	238	188
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	184	573	137	11	7	1	175	1955	56	155	1227	689
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	203	631	151	13	8	1	192	2153	62	171	1351	759
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	203	631	151	13	8	1	192	2153	62	171	1351	759
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	203	631	151	13	8	1	192	2153	62	171	1351	759
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	1.00	1.00	1.00	1.75	0.25	1.00	2.92	0.08	1.00	2.56	1.44
Final Sat.:	1600	1600	1600	1600	2800	400	1600	4666	134	1600	4098	2302
Capacity Analysis Module:												
Vol/Sat:	0.13	0.39	0.09	0.01	0.00	0.00	0.12	0.46	0.46	0.11	0.33	0.33
Crit Moves:		****		****				****				

Long Beach West Gateway
2007 with Project
PM Peak Hour

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

Intersection #5 4th St & Maine Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.086
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.3
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 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:15												
Base Vol:	12	17	19	7	8	3	2	19	5	10	35	15
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	12	18	20	7	8	3	2	20	5	10	36	16
Added Vol:	0	3	8	0	4	0	0	0	0	6	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	12	21	28	7	12	3	2	20	5	16	36	16
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	14	23	31	8	14	3	2	22	6	18	40	17
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	14	23	31	8	14	3	2	22	6	18	40	17
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	14	23	31	8	14	3	2	22	6	18	40	17
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:	0.20	0.34	0.46	0.32	0.54	0.14	0.08	0.73	0.19	0.24	0.53	0.23
Final Sat.:	184	305	409	270	457	116	67	633	166	210	466	200
Capacity Analysis Module:												
Vol/Sat:	0.07	0.07	0.07	0.03	0.03	0.03	0.03	0.03	0.03	0.09	0.09	0.09
Crit Moves:			****			****		****			****	
Delay/Veh:	7.2	7.2	7.2	7.3	7.3	7.3	7.2	7.2	7.2	7.4	7.4	7.4
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:	7.2	7.2	7.2	7.3	7.3	7.3	7.2	7.2	7.2	7.4	7.4	7.4
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	7.2			7.3			7.2			7.4		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	7.2			7.3			7.2			7.4		
LOS by Appr:	A			A			A			A		

Long Beach West Gateway
2007 with Project
PM Peak Hour

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

Intersection #6 3rd St & Maine Ave

Average Delay (sec/veh): 9.9 Worst Case Level Of Service: F[58.3]

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Stop Sign						Stop Sign						Uncontrolled						Uncontrolled					
Rights:	Include						Include						Include						Include					
Lanes:	0	1	0	0	0		0	0	0	1	0		0	0	0	0	0		1	0	1	1	0	
Volume Module: >> Count Date: 5 Nov 2003 << 4:15																								
Base Vol:	78	49		0		0	19		16		0		0		0		39	665		31				
Growth Adj:	1.04	1.04		1.04		1.04	1.04		1.04		1.04		1.04		1.04		1.04	1.04		1.04				
Initial Bse:	81	51		0		0	20		17		0		0		0		41	692		32				
Added Vol:	54	8		0		0	5		4		0		0		0		6	267		5				
PasserByVol:	0	0		0		0	0		0		0		0		0		0	0		0				
Initial Fut:	135	59		0		0	25		21		0		0		0		47	959		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:	0.92	0.92		0.92		0.92	0.92		0.92		0.92		0.92		0.92		0.92	0.92		0.92				
PHF Volume:	146	64		0		0	27		22		0		0		0		50	1039		40				
Reduct Vol:	0	0		0		0	0		0		0		0		0		0	0		0				
Final Vol.:	146	64		0		0	27		22		0		0		0		50	1039		40				
Critical Gap Module:																								
Critical Gp:	7.1	6.5	xxxxx	xxxxx		6.5	6.2	xxxxx	xxxx	xxxxx		4.1	xxxx	xxxxx										
FollowUpTim:	3.5	4.0	xxxxx	xxxxx		4.0	3.3	xxxxx	xxxx	xxxxx		2.2	xxxx	xxxxx										
Capacity Module:																								
Cnflict Vol:	634	1180	xxxxx	xxxx		1160	539	xxxx	xxxx	xxxxx		0	xxxx	xxxxx										
Potent Cap.:	395	192	xxxxx	xxxx		197	546	xxxx	xxxx	xxxxx		900	xxxx	xxxxx										
Move Cap.:	323	181	xxxxx	xxxx		186	546	xxxx	xxxx	xxxxx		900	xxxx	xxxxx										
Volume/Cap:	0.45	0.35	xxxx	xxxx		0.14	0.04	xxxx	xxxx	xxxx		0.06	xxxx	xxxx										
Level Of Service Module:																								
Queue:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx		0.2	xxxx	xxxxx										
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx		9.2	xxxx	xxxxx										
LOS by Move:	*	*	*	*		*	*	*	*	*		A	*	*										
Movement:	LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT	
Shared Cap.:	261	xxxx	xxxxx	xxxx		xxxx	266	xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx										
SharedQueue:	6.3	xxxx	xxxxx	xxxxx		xxxx	0.7	xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx										
Shrd StpDel:	58.3	xxxx	xxxxx	xxxxx		xxxx	21.6	xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx										
Shared LOS:	F	*	*	*		*	C	*	*	*		*	*	*										
ApproachDel:	58.3					21.6			xxxxxx				xxxxxx											
ApproachLOS:	F					C			*				*											

Long Beach West Gateway
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Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #7 Broadway & Maine Ave

Average Delay (sec/veh): OVERFLOW Worst Case Level Of Service: F[xxxxx]

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					Yield Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	1	0	0	1	0	0	0	1	0	2	1	0	0	0	0	0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:45																				
Base Vol:	0	52	124			13	10		0		30	1257		45		0	0		0	
Growth Adj:	1.04	1.04	1.04			1.04	1.04		1.04		1.04	1.04		1.04		1.04	1.04		1.04	
Initial Bse:	0	54	129			14	10		0		31	1307		47		0	0		0	
Added Vol:	0	0	0			9	0		0		62	474		0		0	0		0	
PasserByVol:	0	0	0			0	0		0		0	0		0		0	0		0	
Initial Fut:	0	54	129			23	10		0		93	1781		47		0	0		0	
User Adj:	1.00	1.00	1.00			1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Adj:	0.94	0.94	0.94			0.94	0.94		0.94		0.94	0.94		0.94		0.94	0.94		0.94	
PHF Volume:	0	58	138			24	11		0		100	1903		50		0	0		0	
Reduct Vol:	0	0	0			0	0		0		0	0		0		0	0		0	
Final Vol.:	0	58	138			24	11		0		100	1903		50		0	0		0	
Critical Gap Module:																				
Critical Gp:	xxxxx	6.5	6.2			7.1	6.5		xxxxx		4.1	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
FollowUpTim:	xxxxx	4.0	3.3			3.5	4.0		xxxxx		2.2	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Capacity Module:																				
Cnflict Vol:	xxxx	2127	659			862	2152		xxxxx		0	xxxx		xxxxx		xxxx	xxxx		xxxxx	
Potent Cap.:	xxxx	50	467			277	49		xxxxx		900	xxxx		xxxxx		xxxx	xxxx		xxxxx	
Move Cap.:	xxxx	45	467			0	43		xxxxx		900	xxxx		xxxxx		xxxx	xxxx		xxxxx	
Volume/Cap:	xxxx	1.29	0.30			xxxx	0.26		xxxx		0.11	xxxx		xxxx		xxxx	xxxx		xxxx	
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx			xxxxx	xxxx		xxxxx		0.4	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Stopped Del:	xxxxx	xxxx	xxxxx			xxxxx	xxxx		xxxxx		9.5	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
LOS by Move:	*	*	*			*	*		*		A	*		*		*	*		*	
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	124			0	xxxx	xxxxx			xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx	
SharedQueue:	xxxxx	xxxx	14.2			xxxxx	xxxx	xxxxx			xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Shrd StpDel:	xxxxx	xxxx	360.3			xxxxx	xxxx	xxxxx			xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Shared LOS:	*	*	F			*	*		*		*	*		*		*	*		*	
ApproachDel:	360.3					xxxxxx					xxxxxx					xxxxxx				
ApproachLOS:	F					F					*					*				

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

Intersection #8 4th St & Daisy Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.116
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.7
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 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 5:00												
Base Vol:	6	19	22	12	33	25	14	57	2	9	48	10
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	6	20	23	12	34	26	15	59	2	9	50	10
Added Vol:	0	0	4	0	0	0	1	7	0	0	6	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	6	20	27	12	34	26	16	66	2	9	56	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
PHF Volume:	7	22	30	14	38	29	17	74	2	10	63	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	22	30	14	38	29	17	74	2	10	63	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	7	22	30	14	38	29	17	74	2	10	63	12
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:	0.12	0.37	0.51	0.17	0.47	0.36	0.19	0.79	0.02	0.12	0.74	0.14
Final Sat.:	100	316	429	143	392	297	150	641	20	102	609	113
Capacity Analysis Module:												
Vol/Sat:	0.07	0.07	0.07	0.10	0.10	0.10	0.12	0.12	0.12	0.10	0.10	0.10
Crit Moves:			****		****			****			****	
Delay/Veh:	7.4	7.4	7.4	7.6	7.6	7.6	7.8	7.8	7.8	7.7	7.7	7.7
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:	7.4	7.4	7.4	7.6	7.6	7.6	7.8	7.8	7.8	7.7	7.7	7.7
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	7.4			7.6			7.8			7.7		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	7.4			7.6			7.8			7.7		
LOS by Appr:	A			A			A			A		

Long Beach West Gateway
2007 with Project
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Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #9 3rd St & Daisy Ave

Average Delay (sec/veh): 1.9 Worst Case Level Of Service: C[19.7]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L -	T -	R			L -	T -	R			L -	T -	R			L -	T -	R		
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15																				
Base Vol:	26	15	0		0	19	33		0		0	0		0		19	688		26	
Growth Adj:	1.04	1.04	1.04		1.04	1.04	1.04		1.04		1.04	1.04		1.04		1.04	1.04		1.04	
Initial Bse:	27	16	0		0	20	34		0		0	0		0		20	716		27	
Added Vol:	9	0	0		0	0	0		0		0	0		0		0	279		4	
PasserByVol:	0	0	0		0	0	0		0		0	0		0		0	0		0	
Initial Fut:	36	16	0		0	20	34		0		0	0		0		20	995		31	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Adj:	0.87	0.87	0.87		0.87	0.87	0.87		0.87		0.87	0.87		0.87		0.87	0.87		0.87	
PHF Volume:	41	18	0		0	23	39		0		0	0		0		23	1142		36	
Reduct Vol:	0	0	0		0	0	0		0		0	0		0		0	0		0	
Final Vol.:	41	18	0		0	23	39		0		0	0		0		23	1142		36	
Critical Gap Module:																				
Critical Gp:	7.1	6.5	xxxxx	xxxxx		6.5	6.2	xxxxx	xxxx	xxxxx						4.1	xxxx	xxxxx		
FollowUpTim:	3.5	4.0	xxxxx	xxxxx		4.0	3.3	xxxxx	xxxx	xxxxx						2.2	xxxx	xxxxx		
Capacity Module:																				
Cnflict Vol:	437	1223	xxxxx	xxxx		1205	398	xxxx	xxxx	xxxxx						0	xxxx	xxxxx		
Potent Cap.:	533	181	xxxxx	xxxx		185	656	xxxx	xxxx	xxxxx						900	xxxx	xxxxx		
Move Cap.:	444	176	xxxxx	xxxx		181	656	xxxx	xxxx	xxxxx						900	xxxx	xxxxx		
Volume/Cap:	0.09	0.10	xxxx	xxxx		0.13	0.06	xxxx	xxxx	xxxx						0.03	xxxx	xxxx		
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx						0.1	xxxx	xxxxx		
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx						9.1	xxxx	xxxxx		
LOS by Move:	*	*	*	*		*	*	*	*	*						A	*	*		
Movement:	LT -	LTR -	RT	LT -		LTR -	RT	LT -	LTR -	RT						LT -	LTR -	RT		
Shared Cap.:	304	xxxx	xxxxx	xxxx		xxxx	334	xxxx	xxxx	xxxxx						xxxx	xxxx	xxxxx		
SharedQueue:	0.7	xxxx	xxxxx	xxxxx		xxxx	0.7	xxxxx	xxxx	xxxxx						0.1	xxxx	xxxxx		
Shrd StpDel:	19.7	xxxx	xxxxx	xxxxx		xxxx	18.2	xxxxx	xxxx	xxxxx						9.1	xxxx	xxxxx		
Shared LOS:	C	*	*	*		*	C	*	*	*						A	*	*		
ApproachDel:		19.7				18.2			xxxxxx							xxxxxx				
ApproachLOS:		C				C			*							*				

Long Beach West Gateway
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Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #10 Broadway & Daisy Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.326
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 21 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
Lanes:	0 0	0 1	0	1 0	0 0	0	0 1	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:00												
Base Vol:	0	8	46	29	0	0	18	1064	3	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	8	48	30	0	0	19	1107	3	0	0	0
Added Vol:	0	0	0	0	0	0	9	461	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	8	48	30	0	0	28	1568	3	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	0	9	51	32	0	0	30	1680	3	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	9	51	32	0	0	30	1680	3	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	9	51	32	0	0	30	1680	3	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	0.15	0.85	1.00	0.00	0.00	0.07	3.92	0.01	0.00	0.00	0.00
Final Sat.:	0	237	1363	1600	0	0	111	6277	12	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.04	0.04	0.02	0.00	0.00	0.02	0.27	0.27	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
2007 with Project
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Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #11 6th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.660
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	42	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
Lanes:	0 0	0 1	0	1 0	1 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	0	351	44	47	282	0	43	1280	38	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	365	46	49	293	0	45	1331	40	0	0	0
Added Vol:	0	84	0	6	195	0	0	15	1	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	449	46	55	488	0	45	1346	41	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	0	462	47	56	502	0	46	1385	42	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	462	47	56	502	0	46	1385	42	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	462	47	56	502	0	46	1385	42	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	0.91	0.09	1.00	1.00	0.00	0.09	2.83	0.08	0.00	0.00	0.00
Final Sat.:	0	1452	148	1600	1600	0	150	4514	136	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.32	0.32	0.04	0.31	0.00	0.03	0.31	0.31	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
2007 with Project
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Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #12 5th St & Magnolia Ave

Average Delay (sec/veh): 2.1 Worst Case Level Of Service: D[25.6]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	1 0 0 1 0			1 0 0 1 0			0 0 1! 0 0			0 0 1! 0 0		
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	15	384	13	33	243	27	10	10	11	4	12	37
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	16	399	14	34	253	28	10	10	11	4	12	38
Added Vol:	0	83	0	1	195	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	16	482	14	35	448	28	10	10	11	4	12	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:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	17	536	15	39	497	31	12	12	13	5	14	43
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	17	536	15	39	497	31	12	12	13	5	14	43
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx	7.1	6.5	6.2	7.1	6.5	6.2
FollowUpTim:	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx	3.5	4.0	3.3	3.5	4.0	3.3
Capacity Module:												
Cnflict Vol:	529	xxxx	xxxxx	551	xxxx	xxxxx	1198	1177	513	1182	1185	543
Potent Cap.:	1049	xxxx	xxxxx	1029	xxxx	xxxxx	164	193	565	168	190	543
Move Cap.:	1049	xxxx	xxxxx	1029	xxxx	xxxxx	136	182	565	150	180	543
Volume/Cap:	0.02	xxxx	xxxx	0.04	xxxx	xxxx	0.08	0.06	0.02	0.03	0.08	0.08
Level Of Service Module:												
Queue:	0.1	xxxx	xxxxx	0.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	8.5	xxxx	xxxxx	8.6	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	A	*	*	A	*	*	*	*	*	*	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	210	xxxxx	xxxx	328	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.6	xxxxx	xxxxx	0.7	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	25.6	xxxxx	xxxxx	18.5	xxxxx
Shared LOS:	*	*	*	*	*	*	*	D	*	*	C	*
ApproachDel:	xxxxxx			xxxxxx			25.6			18.5		
ApproachLOS:	*			*			D			C		

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #13 4th St & Magnolia Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.479
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 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
Lanes:	1 0	0 1	0	1 0	0 1	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:15												
Base Vol:	6	396	35	35	229	28	25	47	23	17	35	30
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	6	412	36	36	238	29	26	49	24	18	36	31
Added Vol:	0	76	1	0	190	5	7	4	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	6	488	37	36	428	34	33	53	24	18	37	31
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	7	543	42	40	476	38	37	59	27	20	42	35
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	543	42	40	476	38	37	59	27	20	42	35
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	7	543	42	40	476	38	37	59	27	20	42	35
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	0.93	0.07	1.00	0.93	0.07	0.30	0.48	0.22	0.20	0.44	0.36
Final Sat.:	1600	1486	114	1600	1482	118	481	771	349	328	694	579
Capacity Analysis Module:												
Vol/Sat:	0.00	0.37	0.37	0.03	0.32	0.32	0.02	0.08	0.08	0.01	0.06	0.06
Crit Moves:		****		****				****		****		

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #14 3rd St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.510
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	29	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
Lanes:	1 0	1 0	0	0 0	1 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	78	333	0	0	231	54	0	0	0	77	602	88
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	81	346	0	0	240	56	0	0	0	80	626	92
Added Vol:	15	48	0	0	80	111	0	0	0	18	174	29
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	96	394	0	0	320	167	0	0	0	98	800	121
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	107	439	0	0	356	186	0	0	0	109	890	134
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	107	439	0	0	356	186	0	0	0	109	890	134
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	107	439	0	0	356	186	0	0	0	109	890	134
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	1.00	0.00	0.00	1.31	0.69	0.00	0.00	0.00	0.29	2.36	0.35
Final Sat.:	1600	1600	0	0	2103	1097	0	0	0	462	3770	568
Capacity Analysis Module:												
Vol/Sat:	0.07	0.27	0.00	0.00	0.17	0.17	0.00	0.00	0.00	0.07	0.24	0.24
Crit Moves:		****		****							****	

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #15 Broadway & Magnolia Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.513
Loss Time (sec): 0 (Y+R = 4 sec) 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
Lanes:	0 0	1 1	0	0 1	1 0	0	0 1	2 0	1	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:00												
Base Vol:	0	353	106	49	228	0	57	892	182	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	367	110	51	237	0	59	928	189	0	0	0
Added Vol:	0	38	13	35	63	0	25	317	115	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	405	123	86	300	0	84	1245	304	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	0	419	128	89	311	0	87	1288	315	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	419	128	89	311	0	87	1288	315	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	419	128	89	311	0	87	1288	315	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	1.53	0.47	0.45	1.55	0.00	0.19	2.81	1.00	0.00	0.00	0.00
Final Sat.:	0	2454	746	712	2488	0	304	4496	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.17	0.17	0.06	0.12	0.00	0.05	0.29	0.20	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #16 Ocean Blvd & Magnolia Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.754
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	59	Level Of Service:	C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	1	1 0	2 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	82	64	73	200	47	299	110	1594	30	68	1284	90
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	85	67	76	208	49	311	114	1658	31	71	1335	94
Added Vol:	0	0	0	115	0	64	17	220	0	0	362	34
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	85	67	76	323	49	375	131	1878	31	71	1697	128
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	89	69	79	337	51	391	137	1958	33	74	1770	133
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	89	69	79	337	51	391	137	1958	33	74	1770	133
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	89	69	79	337	51	391	137	1958	33	74	1770	133
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	1.00	1.00	2.00	1.00	1.00	2.95	0.05	1.00	3.00	1.00
Final Sat.:	1600	3200	1600	1600	3200	1600	1600	4722	78	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.06	0.02	0.05	0.21	0.02	0.24	0.09	0.41	0.41	0.05	0.37	0.08
Crit Moves:	****					****	****				****	

Long Beach West Gateway
2007 with Project
PM Peak Hour

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

Intersection #17 4th St & Chestnut Ave

Average Delay (sec/veh): 3.7 Worst Case Level Of Service: B[11.7]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Stop Sign			Stop Sign			Uncontrolled			Uncontrolled		
Rights:	Include			Include			Include			Include		
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:15												
Base Vol:	10	45	31	8	9	7	10	155	11	14	94	10
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	10	47	32	8	9	7	10	161	11	15	98	10
Added Vol:	0	3	0	0	6	0	0	5	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	10	50	32	8	15	7	10	166	11	15	99	10
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	11	55	35	9	17	8	11	183	13	16	109	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	11	55	35	9	17	8	11	183	13	16	109	11
Critical Gap Module:												
Critical Gp:	7.1	6.5	6.2	7.1	6.5	6.2	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx
FollowUpTim:	3.5	4.0	3.3	3.5	4.0	3.3	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	370	364	189	403	364	114	120	xxxx	xxxxx	195	xxxx	xxxxx
Potent Cap.:	590	567	858	561	567	944	1480	xxxx	xxxxx	1390	xxxx	xxxxx
Move Cap.:	563	556	858	491	556	944	1480	xxxx	xxxxx	1390	xxxx	xxxxx
Volume/Cap:	0.02	0.10	0.04	0.02	0.03	0.01	0.01	xxxx	xxxx	0.01	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	0.0	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	7.5	xxxx	xxxxx	7.6	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	A	*	*	A	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	635	xxxxx	xxxx	592	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	0.6	xxxxx	xxxxx	0.2	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	11.7	xxxxx	xxxxx	11.5	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	B	*	*	B	*	*	*	*	*	*	*
ApproachDel:		11.7			11.5			xxxxxx			xxxxxx	
ApproachLOS:		B			B			*			*	

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #18 3rd St & Chestnut Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.334
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	22	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	93	54	0	0	17	26	0	0	0	82	676	47
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	97	56	0	0	18	27	0	0	0	85	703	49
Added Vol:	7	3	0	0	0	6	0	0	0	0	197	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	104	59	0	0	18	33	0	0	0	85	900	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:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	111	63	0	0	19	35	0	0	0	91	963	52
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	111	63	0	0	19	35	0	0	0	91	963	52
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	111	63	0	0	19	35	0	0	0	91	963	52
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	1.00	0.00	0.00	0.35	0.65	0.00	0.00	0.00	0.25	2.61	0.14
Final Sat.:	1600	1600	0	0	558	1042	0	0	0	396	4177	227
Capacity Analysis Module:												
Vol/Sat:	0.07	0.04	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.06	0.23	0.23
Crit Moves:	****				****						****	

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #19 Broadway & Chestnut Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.516
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 38 Level Of Service: A

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Permitted						Permitted						Permitted						Protected					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0				0	0	0				0	0	0				0	0	0			
Lanes:	0	0	0	1	1		1	1	0	0	0		0	1	1	1	0		0	0	0	0	0	
Volume Module: >> Count Date: 4 Nov 2003 << 4:30																								
Base Vol:	0	114	140	141	27		0	25	1216		4		0	0	0				0					
Growth Adj:	1.04	1.04	1.04	1.04	1.04		1.04	1.04	1.04		1.04		1.04	1.04	1.04				1.04					
Initial Bse:	0	119	146	147	28		0	26	1265		4		0	0	0				0					
Added Vol:	0	0	0	0	0		0	10	322		0		0	0	0				0					
PasserByVol:	0	0	0	0	0		0	0	0		0		0	0	0				0					
Initial Fut:	0	119	146	147	28		0	36	1587		4		0	0	0				0					
User Adj:	1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00		1.00	1.00	1.00				1.00					
PHF Adj:	0.92	0.92	0.92	0.92	0.92		0.92	0.92	0.92		0.92		0.92	0.92	0.92				0.92					
PHF Volume:	0	129	158	159	30		0	39	1721		5		0	0	0				0					
Reduct Vol:	0	0	0	0	0		0	0	0		0		0	0	0				0					
Reduced Vol:	0	129	158	159	30		0	39	1721		5		0	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				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				1.00					
Final Vol.:	0	129	158	159	30		0	39	1721		5		0	0	0				0					
Saturation Flow Module:																								
Sat/Lane:	1600	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				1.00					
Lanes:	0.00	0.90	1.10	1.68	0.32		0.00	0.07	2.92		0.01		0.00	0.00	0.00				0.00					
Final Sat.:	0	1436	1764	2686	514		0	106	4682		12		0	0	0				0					
Capacity Analysis Module:																								
Vol/Sat:	0.00	0.09	0.09	0.06	0.06		0.00	0.02	0.37		0.37		0.00	0.00	0.00									
Crit Moves:		****		****					****															

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #20 4th St & Cedar Ave

Cycle (sec): 50 Critical Vol./Cap. (X): 0.209
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 18 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
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	8	59	19	13	28	13	13	147	7	9	88	28
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	8	61	20	14	29	14	14	153	7	9	92	29
Added Vol:	0	28	0	0	3	0	0	5	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	8	89	20	14	32	14	14	158	7	9	93	29
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	9	93	21	14	34	14	14	165	8	10	97	30
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	93	21	14	34	14	14	165	8	10	97	30
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	9	93	21	14	34	14	14	165	8	10	97	30
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:	0.07	0.76	0.17	0.23	0.54	0.23	0.08	0.88	0.04	0.07	0.71	0.22
Final Sat.:	113	1217	269	366	869	366	121	1414	65	114	1130	356
Capacity Analysis Module:												
Vol/Sat:	0.01	0.08	0.08	0.01	0.04	0.04	0.01	0.12	0.12	0.01	0.09	0.09
Crit Moves:		****		****				****		****		

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #21 3rd St & Cedar Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.345
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	22	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	64	42	0	0	29	30	0	0	0	42	683	56
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	67	44	0	0	30	31	0	0	0	44	710	58
Added Vol:	73	28	0	0	3	0	0	0	0	11	124	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	140	72	0	0	33	31	0	0	0	55	834	58
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	148	76	0	0	35	33	0	0	0	58	886	62
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	148	76	0	0	35	33	0	0	0	58	886	62
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	148	76	0	0	35	33	0	0	0	58	886	62
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	1.00	0.00	0.00	0.52	0.48	0.00	0.00	0.00	0.17	2.65	0.18
Final Sat.:	1600	1600	0	0	824	776	0	0	0	277	4228	295
Capacity Analysis Module:												
Vol/Sat:	0.09	0.05	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.04	0.21	0.21
Crit Moves:	****				****						****	

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #22 Broadway & Cedar Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.469
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	43	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:	Split Phase			Split Phase			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	1	1 1	0 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	0	58	125	33	2	0	28	1304	0	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	60	130	34	2	0	29	1356	0	0	0	0
Added Vol:	0	0	0	61	0	0	19	302	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	60	130	95	2	0	48	1658	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	63	137	100	2	0	51	1745	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	63	137	100	2	0	51	1745	0	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	63	137	100	2	0	51	1745	0	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	0.63	1.37	1.96	0.04	0.00	0.08	2.92	0.00	0.00	0.00	0.00
Final Sat.:	0	1014	2186	3132	68	0	135	4665	0	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.06	0.06	0.03	0.03	0.00	0.37	0.37	0.00	0.00	0.00	0.00
Crit Moves:		****			****			****				

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #23 7th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.562
Loss Time (sec):	10 (Y+R = 4 sec)	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:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	1 1	0	0 0	0 0	0	1 0	3 0	1
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	56	463	0	0	321	50	0	0	0	110	859	107
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	58	482	0	0	334	52	0	0	0	114	893	111
Added Vol:	2	75	0	0	72	13	0	0	0	3	90	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	60	557	0	0	406	65	0	0	0	117	983	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:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	66	612	0	0	446	71	0	0	0	129	1081	124
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	66	612	0	0	446	71	0	0	0	129	1081	124
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	66	612	0	0	446	71	0	0	0	129	1081	124
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	1.72	0.28	0.00	0.00	0.00	1.00	3.00	1.00
Final Sat.:	1600	3200	0	0	2758	442	0	0	0	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.04	0.19	0.00	0.00	0.16	0.16	0.00	0.00	0.00	0.08	0.23	0.08
Crit Moves:	****				****						****	

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #24 6th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.744
Loss Time (sec):	10 (Y+R = 4 sec)	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			Prot+Permit			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1 1	0	1 0	2 0	0	1 0	3 0	1	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	0	491	155	98	314	0	46	1308	37	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	511	161	102	327	0	48	1360	38	0	0	0
Added Vol:	0	69	0	4	72	0	8	25	2	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	580	161	106	399	0	56	1385	40	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	0	604	168	110	415	0	58	1443	42	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	604	168	110	415	0	58	1443	42	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	604	168	110	415	0	58	1443	42	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	1.56	0.44	1.00	2.00	0.00	1.00	3.00	1.00	0.00	0.00	0.00
Final Sat.:	0	2504	696	1600	3200	0	1600	4800	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.24	0.24	0.07	0.13	0.00	0.04	0.30	0.03	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #25 4th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.476
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	36	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 1	0	0 1	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 5:00												
Base Vol:	14	624	36	3	230	9	67	67	15	18	43	16
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	15	649	37	3	239	9	70	70	16	19	45	17
Added Vol:	0	66	0	0	73	0	3	3	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	15	715	37	3	312	9	73	73	16	19	45	17
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	16	769	40	3	336	10	78	78	17	20	48	18
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	16	769	40	3	336	10	78	78	17	20	48	18
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	16	769	40	3	336	10	78	78	17	20	48	18
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	1.90	0.10	0.02	1.92	0.06	1.00	0.82	0.18	1.00	0.73	0.27
Final Sat.:	1600	3041	159	31	3077	92	1600	1317	283	1600	1166	434
Capacity Analysis Module:												
Vol/Sat:	0.01	0.25	0.25	0.00	0.11	0.11	0.05	0.06	0.06	0.01	0.04	0.04
Crit Moves:		****					****				****	

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #26 3rd St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.528
Loss Time (sec):	10 (Y+R = 4 sec)	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:	Protected			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	1 0	2 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	99	409	0	0	216	56	0	0	0	143	635	144
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	103	425	0	0	225	58	0	0	0	149	660	150
Added Vol:	18	52	0	0	64	9	0	0	0	11	117	14
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	121	477	0	0	289	67	0	0	0	160	777	164
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	132	521	0	0	315	73	0	0	0	174	848	179
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	132	521	0	0	315	73	0	0	0	174	848	179
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	132	521	0	0	315	73	0	0	0	174	848	179
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	2.00	1.00	0.00	0.00	0.00	1.00	2.48	0.52
Final Sat.:	1600	3200	0	0	3200	1600	0	0	0	1600	3965	835
Capacity Analysis Module:												
Vol/Sat:	0.08	0.16	0.00	0.00	0.10	0.05	0.00	0.00	0.00	0.11	0.21	0.21
Crit Moves:	****				****						****	

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #27 Broadway & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.804
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	61	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
Lanes:	0 0	2 0	1	1 0	2 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	0	432	221	118	178	0	88	1298	88	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	449	230	123	185	0	92	1350	92	0	0	0
Added Vol:	0	36	18	24	55	0	27	271	66	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	485	248	147	240	0	119	1621	158	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	530	271	160	262	0	130	1771	172	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	530	271	160	262	0	130	1771	172	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	530	271	160	262	0	130	1771	172	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	2.00	1.00	1.00	2.00	0.00	1.00	2.73	0.27	0.00	0.00	0.00
Final Sat.:	0	3200	1600	1600	3200	0	1600	4375	425	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.17	0.17	0.10	0.08	0.00	0.08	0.40	0.40	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #28 Ocean Blvd & Pacific Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.704
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 63 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Prot+Permit			Prot+Permit		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1! 0	0	1 1	0 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	14	9	20	156	1	196	171	1840	18	28	1168	120
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	15	9	21	162	1	204	178	1914	19	29	1215	125
Added Vol:	0	0	0	87	0	33	28	324	0	0	392	27
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	15	9	21	249	1	237	206	2238	19	29	1607	152
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	16	10	23	272	1	258	224	2440	20	32	1752	166
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	16	10	23	272	1	258	224	2440	20	32	1752	166
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	16	10	23	272	1	258	224	2440	20	32	1752	166
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:	0.33	0.21	0.46	1.99	0.01	1.00	1.00	2.98	0.02	1.00	3.00	1.00
Final Sat.:	521	335	744	3187	13	1600	1600	4760	40	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.01	0.03	0.03	0.09	0.09	0.16	0.14	0.51	0.51	0.02	0.37	0.10
Crit Moves:	****					****		****		****		

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #29 4th St & Pine Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.394
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	24	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
Lanes:	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 6 Nov 2003 << 5:00												
Base Vol:	16	232	62	39	113	17	19	106	17	15	78	36
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	17	241	64	41	118	18	20	110	18	16	81	37
Added Vol:	0	69	0	0	92	0	3	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	17	310	64	41	210	18	23	110	18	16	81	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:	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
PHF Volume:	19	351	73	46	237	20	26	125	20	18	92	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	351	73	46	237	20	26	125	20	18	92	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
Final Vol.:	19	351	73	46	237	20	26	125	20	18	92	42
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	0.83	0.17	1.00	0.92	0.08	1.00	0.86	0.14	1.00	0.68	0.32
Final Sat.:	1600	1325	275	1600	1475	125	1600	1379	221	1600	1095	505
Capacity Analysis Module:												
Vol/Sat:	0.01	0.26	0.26	0.03	0.16	0.16	0.02	0.09	0.09	0.01	0.08	0.08
Crit Moves:		****			****			****			****	

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #30 3rd St & Pine Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.477
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	28	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
Lanes:	1 0	1 0	0	0 0	1 0	1	0 0	0 0	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	71	188	0	0	193	51	0	0	0	91	791	133
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	74	196	0	0	201	53	0	0	0	95	823	138
Added Vol:	25	58	0	0	84	8	0	0	0	38	109	11
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	99	254	0	0	285	61	0	0	0	133	932	149
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	109	279	0	0	313	67	0	0	0	146	1024	164
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	109	279	0	0	313	67	0	0	0	146	1024	164
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	109	279	0	0	313	67	0	0	0	146	1024	164
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	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00	3.00	1.00
Final Sat.:	1600	1600	0	0	1600	1600	0	0	0	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.07	0.17	0.00	0.00	0.20	0.04	0.00	0.00	0.00	0.09	0.21	0.10
Crit Moves:	****				****						****	

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #31 Broadway & Pine Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.787
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 68 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	0	1 0	1 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	0	185	119	66	103	0	40	1458	83	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	192	124	69	107	0	42	1516	86	0	0	0
Added Vol:	0	44	57	65	48	0	28	273	6	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	236	181	134	155	0	70	1789	92	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	0	253	193	143	166	0	74	1914	99	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	253	193	143	166	0	74	1914	99	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	253	193	143	166	0	74	1914	99	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	0.57	0.43	1.00	1.00	0.00	1.00	2.85	0.15	0.00	0.00	0.00
Final Sat.:	0	907	693	1600	1600	0	1600	4564	236	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.28	0.28	0.09	0.10	0.00	0.05	0.42	0.42	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #32 Ocean Blvd & Pine Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.969
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: E

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Permitted						Permitted						Permitted						Permitted					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0				0	0	0				0	0	0				0	0	0			
Lanes:	1	0	1	0	1		0	1	0	0	1		1	0	2	1	0		1	0	3	0	1	
Volume Module: >> Count Date: 4 Nov 2003 << 4:30																								
Base Vol:	98	84	108				137	65	132				79	1885	92				56	1124	131			
Growth Adj:	1.04	1.04	1.04				1.04	1.04	1.04				1.04	1.04	1.04				1.04	1.04	1.04			
Initial Bse:	102	87	112				142	68	137				82	1960	96				58	1169	136			
Added Vol:	150	17	72				14	29	11				35	227	149				101	258	49			
PasserByVol:	0	0	0				0	0	0				0	0	0				0	0	0			
Initial Fut:	252	104	184				156	97	148				117	2187	245				159	1427	185			
User Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
PHF Adj:	0.95	0.95	0.95				0.95	0.95	0.95				0.95	0.95	0.95				0.95	0.95	0.95			
PHF Volume:	265	110	194				165	102	156				123	2300	257				167	1500	195			
Reduct Vol:	0	0	0				0	0	0				0	0	0				0	0	0			
Reduced Vol:	265	110	194				165	102	156				123	2300	257				167	1500	195			
PCE Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
MLF Adj:	1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00				1.00	1.00	1.00			
Final Vol.:	265	110	194				165	102	156				123	2300	257				167	1500	195			
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	1.00	1.00				0.62	0.38	1.00				1.00	2.70	0.30				1.00	3.00	1.00			
Final Sat.:	1600	1600	1600				989	611	1600				1600	4317	483				1600	4800	1600			
Capacity Analysis Module:																								
Vol/Sat:	0.17	0.07	0.12				0.10	0.17	0.10				0.08	0.53	0.53				0.10	0.31	0.12			
Crit Moves:	****							****						****						****				

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #33 3rd St & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.626
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	39	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Protected			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	0 1	2 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 4:00												
Base Vol:	157	471	0	0	412	169	0	0	0	88	588	168
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	163	490	0	0	428	176	0	0	0	92	612	175
Added Vol:	91	130	0	0	75	63	0	0	0	0	18	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	254	620	0	0	503	239	0	0	0	92	630	175
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	269	655	0	0	532	252	0	0	0	97	665	184
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	269	655	0	0	532	252	0	0	0	97	665	184
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	269	655	0	0	532	252	0	0	0	97	665	184
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	2.00	1.00	0.00	0.00	0.00	0.38	2.62	1.00
Final Sat.:	1600	3200	0	0	3200	1600	0	0	0	609	4191	1600
Capacity Analysis Module:												
Vol/Sat:	0.17	0.20	0.00	0.00	0.17	0.16	0.00	0.00	0.00	0.06	0.16	0.12
Crit Moves:	****				****						****	

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #34 Broadway & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.515
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	39	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	2 0	1	2 0	2 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	0	235	55	89	424	0	67	504	183	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	244	57	93	441	0	70	524	190	0	0	0
Added Vol:	0	64	0	0	75	0	157	90	114	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	308	57	93	516	0	227	614	304	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	334	62	100	559	0	246	665	330	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	334	62	100	559	0	246	665	330	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	334	62	100	559	0	246	665	330	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	2.00	1.00	2.00	2.00	0.00	1.00	2.01	0.99	0.00	0.00	0.00
Final Sat.:	0	3200	1600	3200	3200	0	1600	3210	1590	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.10	0.04	0.03	0.17	0.00	0.15	0.21	0.21	0.00	0.00	0.00
Crit Moves:					****			****				

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #35 Ocean Blvd & Long Beach Blvd

Cycle (sec): 90 Critical Vol./Cap. (X): 0.855
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 128 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			Protected			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 0	0	1 0	1! 0	1	1 0	3 0	0	0 0	3 0	1
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	0	0	0	128	0	247	192	1664	0	0	853	102
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	0	0	133	0	257	200	1731	0	0	887	106
Added Vol:	0	0	0	57	0	131	48	266	0	0	277	17
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	190	0	388	248	1997	0	0	1164	123
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	0	0	0	209	0	427	272	2196	0	0	1281	135
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	209	0	427	272	2196	0	0	1281	135
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	209	0	427	272	2196	0	0	1281	135
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	0.00	0.00	1.00	0.00	2.00	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	1600	0	3200	1600	4800	0	0	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.13	0.00	0.13	0.17	0.46	0.00	0.00	0.27	0.08
Crit Moves:				****				****			****	

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #36 Ocean Blvd & Shoreline Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 1.118
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: F

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
Lanes:	1 0	3 0	1	1 0	2 1	0	1 0	2 1	0	2 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:45												
Base Vol:	53	622	550	92	93	141	310	1669	30	154	834	59
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	55	647	572	96	97	147	322	1736	31	160	867	61
Added Vol:	0	25	143	2	34	56	31	164	0	189	213	3
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	55	672	715	98	131	203	353	1900	31	349	1080	64
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	57	691	736	100	134	208	364	1954	32	359	1111	66
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	57	691	736	100	134	208	364	1954	32	359	1111	66
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	57	691	736	100	134	208	364	1954	32	359	1111	66
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	3.00	1.00	1.00	2.00	1.00	1.00	2.95	0.05	2.00	1.89	0.11
Final Sat.:	1600	4800	1600	1600	3200	1600	1600	4722	78	3200	3020	180
Capacity Analysis Module:												
Vol/Sat:	0.04	0.14	0.46	0.06	0.04	0.13	0.23	0.41	0.41	0.11	0.37	0.37
Crit Moves:			****	****			****				****	

Long Beach West Gateway
2007 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #37 7th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.557
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 6 Nov 2003 << 5:00												
Base Vol:	77	275	0	0	284	46	0	0	0	77	612	90
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	80	286	0	0	295	48	0	0	0	80	636	94
Added Vol:	0	84	0	0	111	0	0	0	0	89	18	6
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	80	370	0	0	406	48	0	0	0	169	654	100
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	85	392	0	0	430	51	0	0	0	179	693	106
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	85	392	0	0	430	51	0	0	0	179	693	106
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	85	392	0	0	430	51	0	0	0	179	693	106
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	1.00	0.00	0.00	0.89	0.11	0.00	0.00	0.00	0.55	2.13	0.32
Final Sat.:	1600	1600	0	0	1431	169	0	0	0	879	3403	518
Capacity Analysis Module:												
Vol/Sat:	0.05	0.24	0.00	0.00	0.30	0.30	0.00	0.00	0.00	0.11	0.20	0.20
Crit Moves:	****				****						****	

CAPCITY ANALYSES

YEAR 2007 – WITH-PROJECT WITH ADDITIONAL TRAFFIC SIGNALS

Long Beach West Gateway
Year 2007 with Mitigation with Project
AM Peak Hour

Scenario Report

Scenario:	2007 AM Project
Command:	2007 AM Project
Volume:	2007 AM Peak
Geometry:	Existing
Impact Fee:	Default Impact Fee
Trip Generation:	Default Trip Generation
Trip Distribution:	Default Trip Distribution
Paths:	Default Paths
Routes:	Default Routes
Configuration:	Default Configuration

Long Beach West Gateway
Year 2007 with Mitigation with Project
AM Peak Hour

Turning Movement Report
2007 AM Peak

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#1 4th St & Golden Ave													
Base	0	0	5	2	10	1	0	0	2	27	0	7	55
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	5	2	10	1	0	0	2	27	0	7	55
#2 3rd St & Golden Ave													
Base	2	2	0	0	6	33	0	0	0	10	1060	32	1146
Added	0	0	0	0	0	0	0	0	0	19	281	0	300
Total	2	2	0	0	6	33	0	0	0	29	1341	32	1446
#3 Broadway & Golden Shore Ave													
Base	0	0	0	174	0	0	0	1374	0	0	0	0	1548
Added	0	0	0	19	0	0	0	310	0	0	0	0	329
Total	0	0	0	193	0	0	0	1684	0	0	0	0	1877
#4 Ocean Blvd & Golden Shore Ave													
Base	8	33	80	4	90	40	105	752	82	173	1633	598	3598
Added	0	0	0	0	0	0	40	80	0	0	176	155	451
Total	8	33	80	4	90	40	145	832	82	173	1809	753	4049
#5 4th St & Maine Ave													
Base	0	16	10	4	12	2	1	23	9	18	16	8	120
Added	0	3	10	0	20	0	0	0	0	2	0	0	35
Total	0	19	20	4	32	2	1	23	9	20	16	8	155
#6 3rd St & Maine Ave													
Base	23	12	0	0	10	23	0	0	0	73	1063	24	1228
Added	101	3	0	0	22	4	0	0	0	42	195	7	374
Total	124	15	0	0	32	27	0	0	0	115	1258	31	1602
#7 Broadway & Maine Ave													
Base	0	8	29	16	52	0	9	1335	203	0	0	0	1653
Added	0	0	0	31	0	0	123	323	0	0	0	0	477
Total	0	8	29	47	52	0	132	1658	203	0	0	0	2130
#8 4th St & Daisy Ave													
Base	1	11	11	6	18	2	2	45	2	11	25	10	146
Added	0	0	6	0	0	0	1	9	0	0	2	0	18
Total	1	11	17	6	18	2	3	54	2	11	27	10	164
#9 3rd St & Daisy Ave													
Base	16	15	0	0	16	26	0	0	0	38	1111	23	1244
Added	12	0	0	0	0	0	0	0	0	0	209	6	227
Total	28	15	0	0	16	26	0	0	0	38	1320	29	1471

Long Beach West Gateway
Year 2007 with Mitigation with Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#10 Broadway & Daisy Ave													
Base	0	1	7	29	20	0	22	1392	26	0	0	0	1496
Added	0	0	0	0	0	0	12	382	0	0	0	0	394
Total	0	1	7	29	20	0	34	1774	26	0	0	0	1890
#11 6th St & Magnolia Ave													
Base	0	196	53	63	467	0	74	412	35	0	0	0	1300
Added	0	74	0	2	105	0	0	14	7	0	0	0	202
Total	0	270	53	65	572	0	74	426	42	0	0	0	1502
#12 5th St & Magnolia Ave													
Base	5	232	3	8	494	23	3	1	17	8	2	6	803
Added	0	73	0	0	112	0	0	0	0	0	0	1	186
Total	5	305	3	8	606	23	3	1	17	8	2	7	989
#13 4th St & Magnolia Ave													
Base	4	101	20	17	460	9	10	24	14	18	20	14	709
Added	0	63	2	0	110	2	10	5	0	0	0	0	192
Total	4	164	22	17	570	11	20	29	14	18	20	14	901
#14 3rd St & Magnolia Ave													
Base	84	163	0	0	539	69	0	0	0	248	1037	71	2210
Added	13	45	0	0	36	73	0	0	0	12	112	19	310
Total	97	208	0	0	575	142	0	0	0	260	1149	90	2520
#15 Broadway & Magnolia Ave													
Base	0	69	141	25	565	0	13	1003	412	0	0	0	2227
Added	0	21	29	29	19	0	38	258	124	0	0	0	518
Total	0	90	170	54	584	0	51	1261	536	0	0	0	2745
#16 Ocean Blvd & Magnolia Ave													
Base	21	22	24	198	157	296	128	762	26	139	1784	265	3822
Added	0	0	0	64	0	80	31	49	0	0	250	20	494
Total	21	22	24	262	157	376	159	811	26	139	2034	285	4316
#17 4th St & Chestnut Ave													
Base	9	27	24	6	36	8	6	64	14	8	37	6	248
Added	0	4	0	0	2	0	0	7	0	0	0	0	13
Total	9	31	24	6	38	8	6	71	14	8	37	6	261
#18 3rd St & Chestnut Ave													
Base	27	29	0	0	29	48	0	0	0	146	1303	21	1603
Added	9	4	0	0	0	2	0	0	0	0	102	0	117
Total	36	33	0	0	29	50	0	0	0	146	1405	21	1720

Long Beach West Gateway
Year 2007 with Mitigation with Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#19 Broadway & Chestnut Ave													
Base	0	32	46	96	23	0	36	930	23	0	0	0	1186
Added	0	0	0	0	0	0	13	314	0	0	0	0	327
Total	0	32	46	96	23	0	49	1244	23	0	0	0	1513
#20 4th St & Cedar Ave													
Base	2	27	15	9	34	4	7	60	6	6	62	19	253
Added	0	4	0	0	16	0	0	7	0	0	0	0	27
Total	2	31	15	9	50	4	7	67	6	6	62	19	280
#21 3rd St & Cedar Ave													
Base	35	16	0	0	25	73	0	0	0	203	1379	45	1775
Added	10	4	0	0	16	0	0	0	0	58	92	0	180
Total	45	20	0	0	41	73	0	0	0	261	1471	45	1955
#22 Broadway & Cedar Ave													
Base	0	1	3	128	9	0	16	814	222	0	0	0	1193
Added	0	0	0	9	0	0	102	212	0	0	0	0	323
Total	0	1	3	137	9	0	118	1026	222	0	0	0	1516
#23 7th St & Pacific Ave													
Base	46	187	0	0	406	58	0	0	0	187	1385	105	2374
Added	2	53	0	0	26	19	0	0	0	9	59	2	170
Total	48	240	0	0	432	77	0	0	0	196	1444	107	2544
#24 6th St & Pacific Ave													
Base	0	173	99	85	421	0	29	622	22	0	0	0	1451
Added	0	54	0	1	34	0	1	9	1	0	0	0	100
Total	0	227	99	86	455	0	30	631	23	0	0	0	1551
#25 4th St & Pacific Ave													
Base	9	156	18	1	483	8	11	30	35	16	66	8	841
Added	0	50	0	0	35	0	3	3	0	0	0	0	91
Total	9	206	18	1	518	8	14	33	35	16	66	8	932
#26 3rd St & Pacific Ave													
Base	59	113	0	0	337	123	0	0	0	59	1468	34	2194
Added	17	40	0	0	16	19	0	0	0	6	118	10	226
Total	76	153	0	0	353	142	0	0	0	65	1586	44	2420
#27 Broadway & Pacific Ave													
Base	0	168	51	82	396	0	24	731	197	0	0	0	1649
Added	0	27	5	18	15	0	20	184	17	0	0	0	286
Total	0	195	56	100	411	0	44	915	214	0	0	0	1935

Long Beach West Gateway
Year 2007 with Mitigation with Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#28 Ocean Blvd & Pacific Ave													
Base	7	2	6	101	3	298	213	699	22	31	1816	190	3389
Added	0	0	0	22	0	10	7	106	0	0	264	26	435
Total	7	2	6	123	3	308	220	805	22	31	2080	216	3824
#29 4th St & Pine Ave													
Base	6	113	24	19	157	21	12	47	15	11	66	19	510
Added	0	51	0	0	29	0	3	0	0	0	0	0	83
Total	6	164	24	19	186	21	15	47	15	11	66	19	593
#30 3rd St & Pine Ave													
Base	53	100	0	0	131	63	0	0	0	74	1505	57	1983
Added	8	40	0	0	24	6	0	0	0	24	120	11	233
Total	61	140	0	0	155	69	0	0	0	98	1625	68	2216
#31 Broadway & Pine Ave													
Base	0	107	42	52	184	0	28	738	102	0	0	0	1253
Added	0	31	21	23	16	0	31	168	1	0	0	0	291
Total	0	138	63	75	200	0	59	906	103	0	0	0	1544
#32 Ocean Blvd & Pine Ave													
Base	43	43	34	38	40	86	69	697	89	45	1968	148	3299
Added	47	5	25	9	4	5	15	92	21	14	238	32	507
Total	90	48	59	47	44	91	84	789	110	59	2206	180	3806
#33 3rd St & Long Beach Blvd													
Base	71	245	0	0	414	182	0	0	0	86	1430	135	2564
Added	64	89	0	0	16	41	0	0	0	0	32	0	242
Total	135	334	0	0	430	223	0	0	0	86	1462	135	2806
#34 Broadway & Long Beach Blvd													
Base	0	391	67	201	295	0	210	1370	86	0	0	0	2620
Added	0	34	0	0	16	0	119	82	82	0	0	0	333
Total	0	425	67	201	311	0	329	1452	168	0	0	0	2953
#35 Ocean Blvd & Long Beach Blvd													
Base	0	0	0	46	0	255	137	506	0	0	2001	104	3049
Added	0	0	0	31	0	67	11	115	0	0	217	23	464
Total	0	0	0	77	0	322	148	621	0	0	2218	127	3513
#36 Ocean Blvd & Shoreline Ave													
Base	27	75	130	51	282	314	111	449	14	443	1836	57	3789
Added	0	2	16	2	3	12	28	130	0	24	82	1	300
Total	27	77	146	53	285	326	139	579	14	467	1918	58	4089

Long Beach West Gateway
Year 2007 with Mitigation with Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#37 7th St & Magnolia Ave													
Base	59	156	0	0	257	63	0	0	0	191	1386	61	2175
Added	0	74	0	0	50	0	0	0	0	57	9	8	198
Total	59	230	0	0	307	63	0	0	0	248	1395	69	2373
#41 6th Street and Cedar Ave													
Base	0	72	40	12	59	0	18	880	16	0	0	0	1096
Added	0	2	2	0	9	0	0	9	7	0	0	0	29
Total	0	74	42	12	68	0	18	889	23	0	0	0	1125
#43 5th Street & Cedar Ave													
Base	3	52	9	6	53	14	4	29	2	1	28	22	224
Added	0	4	0	0	16	0	0	0	0	0	1	0	21
Total	3	56	9	6	69	14	4	29	2	1	29	22	245

Long Beach West Gateway
Year 2007 with Mitigation with Project
AM Peak Hour

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 6 3rd St & Maine Ave	A	xxxxx	0.375	A	xxxxx	0.517	+ 0.142 V/C
# 7 Broadway & Maine Ave	A	xxxxx	0.391	A	xxxxx	0.484	+ 0.093 V/C
# 9 3rd St & Daisy Ave	A	xxxxx	0.348	A	xxxxx	0.413	+ 0.065 V/C

Long Beach West Gateway
Year 2007 with Mitigation with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #6 3rd St & Maine Ave

Cycle (sec):	100	Critical Vol./Cap. (X):	0.517
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	0 1	0 0	0	0 0	0 1	0	0 0	0 0	0	1 0	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:15												
Base Vol:	22	12	0	0	10	22	0	0	0	70	1022	23
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	23	12	0	0	10	23	0	0	0	73	1063	24
Added Vol:	101	3	0	0	22	4	0	0	0	42	195	7
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	124	15	0	0	32	27	0	0	0	115	1258	31
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:	124	15	0	0	32	27	0	0	0	115	1258	31
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	124	15	0	0	32	27	0	0	0	115	1258	31
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	124	15	0	0	32	27	0	0	0	115	1258	31
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:	0.89	0.11	0.00	0.00	0.55	0.45	0.00	0.00	0.00	1.00	1.95	0.05
Final Sat.:	1422	178	0	0	874	726	0	0	0	1600	3123	77
Capacity Analysis Module:												
Vol/Sat:	0.08	0.09	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.07	0.40	0.40
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2007 with Mitigation with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #7 Broadway & Maine Ave

Cycle (sec):	100	Critical Vol./Cap. (X):	0.484
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	28	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
Lanes:	0 0	0 1	0	0 1	0 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	0	8	28	15	50	0	9	1284	195	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	8	29	16	52	0	9	1335	203	0	0	0
Added Vol:	0	0	0	31	0	0	123	323	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	8	29	47	52	0	132	1658	203	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	0	9	31	50	56	0	143	1787	219	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	9	31	50	56	0	143	1787	219	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	9	31	50	56	0	143	1787	219	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	0.22	0.78	0.47	0.53	0.00	1.00	2.67	0.33	0.00	0.00	0.00
Final Sat.:	0	356	1244	756	844	0	1600	4277	523	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.03	0.03	0.03	0.07	0.00	0.09	0.42	0.42	0.00	0.00	0.00
Crit Moves:	****				****			****				

Long Beach West Gateway
Year 2007 with Mitigation with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #9 3rd St & Daisy Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.413
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 25 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
Lanes:	0 1	0 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:15												
Base Vol:	15	14	0	0	15	25	0	0	0	37	1068	22
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	16	15	0	0	16	26	0	0	0	38	1111	23
Added Vol:	12	0	0	0	0	0	0	0	0	0	209	6
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	28	15	0	0	16	26	0	0	0	38	1320	29
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	34	18	0	0	19	32	0	0	0	48	1641	36
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	34	18	0	0	19	32	0	0	0	48	1641	36
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	34	18	0	0	19	32	0	0	0	48	1641	36
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:	0.65	0.35	0.00	0.00	0.38	0.62	0.00	0.00	0.00	0.08	2.86	0.06
Final Sat.:	1047	553	0	0	600	1000	0	0	0	133	4567	100
Capacity Analysis Module:												
Vol/Sat:	0.02	0.03	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.03	0.36	0.36
Crit Moves:	****				****						****	

Long Beach West Gateway
2007with Mitigation with Project
PM Peak Hour

Scenario Report

Scenario:	2007 PM Project
Command:	2007 PM Project
Volume:	2007 PM Peak
Geometry:	Existing
Impact Fee:	Default Impact Fee
Trip Generation:	Default Trip Generation
Trip Distribution:	Default Trip Distribution
Paths:	Default Paths
Routes:	Default Routes
Configuration:	Default Configuration

Long Beach West Gateway
2007with Mitigation with Project
PM Peak Hour

Turning Movement Report
2007 PM Peak

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#1 4th St & Golden Ave													
Base	0	15	12	11	23	2	1	3	0	11	2	14	95
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	15	12	11	23	2	1	3	0	11	2	14	95
#2 3rd St & Golden Ave													
Base	5	6	0	0	1	19	0	0	0	3	776	29	839
Added	0	0	0	0	0	0	0	0	0	63	262	0	325
Total	5	6	0	0	1	19	0	0	0	66	1038	29	1164
#3 Broadway & Golden Shore Ave													
Base	0	0	0	58	0	0	0	1327	0	0	0	0	1385
Added	0	0	0	63	0	0	0	503	0	0	0	0	566
Total	0	0	0	121	0	0	0	1830	0	0	0	0	1951
#4 Ocean Blvd & Golden Shore Ave													
Base	184	573	137	11	7	1	118	1719	56	155	989	501	4452
Added	0	0	0	0	0	0	57	236	0	0	238	188	719
Total	184	573	137	11	7	1	175	1955	56	155	1227	689	5171
#5 4th St & Maine Ave													
Base	12	18	20	7	8	3	2	20	5	10	36	16	158
Added	0	3	8	0	4	0	0	0	0	6	0	0	21
Total	12	21	28	7	12	3	2	20	5	16	36	16	179
#6 3rd St & Maine Ave													
Base	81	51	0	0	20	17	0	0	0	41	692	32	933
Added	54	8	0	0	5	4	0	0	0	6	267	5	349
Total	135	59	0	0	25	21	0	0	0	47	959	37	1282
#7 Broadway & Maine Ave													
Base	0	54	129	14	10	0	31	1307	47	0	0	0	1592
Added	0	0	0	9	0	0	62	474	0	0	0	0	545
Total	0	54	129	23	10	0	93	1781	47	0	0	0	2137
#8 4th St & Daisy Ave													
Base	6	20	23	12	34	26	15	59	2	9	50	10	267
Added	0	0	4	0	0	0	1	7	0	0	6	0	18
Total	6	20	27	12	34	26	16	66	2	9	56	10	285
#9 3rd St & Daisy Ave													
Base	27	16	0	0	20	34	0	0	0	20	716	27	859
Added	9	0	0	0	0	0	0	0	0	0	279	4	292
Total	36	16	0	0	20	34	0	0	0	20	995	31	1151

Long Beach West Gateway
2007with Mitigation with Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#10 Broadway & Daisy Ave													
Base	0	8	48	30	0	0	19	1107	3	0	0	0	1215
Added	0	0	0	0	0	0	9	461	0	0	0	0	470
Total	0	8	48	30	0	0	28	1568	3	0	0	0	1685
#11 6th St & Magnolia Ave													
Base	0	365	46	49	293	0	45	1331	40	0	0	0	2168
Added	0	84	0	6	195	0	0	15	1	0	0	0	301
Total	0	449	46	55	488	0	45	1346	41	0	0	0	2469
#12 5th St & Magnolia Ave													
Base	16	399	14	34	253	28	10	10	11	4	12	38	831
Added	0	83	0	1	195	0	0	0	0	0	0	0	279
Total	16	482	14	35	448	28	10	10	11	4	12	38	1110
#13 4th St & Magnolia Ave													
Base	6	412	36	36	238	29	26	49	24	18	36	31	942
Added	0	76	1	0	190	5	7	4	0	0	1	0	284
Total	6	488	37	36	428	34	33	53	24	18	37	31	1226
#14 3rd St & Magnolia Ave													
Base	81	346	0	0	240	56	0	0	0	80	626	92	1522
Added	15	48	0	0	80	111	0	0	0	18	174	29	475
Total	96	394	0	0	320	167	0	0	0	98	800	121	1997
#15 Broadway & Magnolia Ave													
Base	0	367	110	51	237	0	59	928	189	0	0	0	1942
Added	0	38	13	35	63	0	25	317	115	0	0	0	606
Total	0	405	123	86	300	0	84	1245	304	0	0	0	2548
#16 Ocean Blvd & Magnolia Ave													
Base	85	67	76	208	49	311	114	1658	31	71	1335	94	4099
Added	0	0	0	115	0	64	17	220	0	0	362	34	812
Total	85	67	76	323	49	375	131	1878	31	71	1697	128	4911
#17 4th St & Chestnut Ave													
Base	10	47	32	8	9	7	10	161	11	15	98	10	420
Added	0	3	0	0	6	0	0	5	0	0	1	0	15
Total	10	50	32	8	15	7	10	166	11	15	99	10	435
#18 3rd St & Chestnut Ave													
Base	97	56	0	0	18	27	0	0	0	85	703	49	1035
Added	7	3	0	0	0	6	0	0	0	0	197	0	213
Total	104	59	0	0	18	33	0	0	0	85	900	49	1248

Long Beach West Gateway
2007with Mitigation with Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#19 Broadway & Chestnut Ave													
Base	0	119	146	147	28	0	26	1265	4	0	0	0	1734
Added	0	0	0	0	0	0	10	322	0	0	0	0	332
Total	0	119	146	147	28	0	36	1587	4	0	0	0	2066
#20 4th St & Cedar Ave													
Base	8	61	20	14	29	14	14	153	7	9	92	29	449
Added	0	28	0	0	3	0	0	5	0	0	1	0	37
Total	8	89	20	14	32	14	14	158	7	9	93	29	486
#21 3rd St & Cedar Ave													
Base	67	44	0	0	30	31	0	0	0	44	710	58	984
Added	73	28	0	0	3	0	0	0	0	11	124	0	239
Total	140	72	0	0	33	31	0	0	0	55	834	58	1223
#22 Broadway & Cedar Ave													
Base	0	60	130	34	2	0	29	1356	0	0	0	0	1612
Added	0	0	0	61	0	0	19	302	0	0	0	0	382
Total	0	60	130	95	2	0	48	1658	0	0	0	0	1994
#23 7th St & Pacific Ave													
Base	58	482	0	0	334	52	0	0	0	114	893	111	2045
Added	2	75	0	0	72	13	0	0	0	3	90	2	257
Total	60	557	0	0	406	65	0	0	0	117	983	113	2302
#24 6th St & Pacific Ave													
Base	0	511	161	102	327	0	48	1360	38	0	0	0	2547
Added	0	69	0	4	72	0	8	25	2	0	0	0	180
Total	0	580	161	106	399	0	56	1385	40	0	0	0	2727
#25 4th St & Pacific Ave													
Base	15	649	37	3	239	9	70	70	16	19	45	17	1188
Added	0	66	0	0	73	0	3	3	0	0	0	0	145
Total	15	715	37	3	312	9	73	73	16	19	45	17	1333
#26 3rd St & Pacific Ave													
Base	103	425	0	0	225	58	0	0	0	149	660	150	1770
Added	18	52	0	0	64	9	0	0	0	11	117	14	285
Total	121	477	0	0	289	67	0	0	0	160	777	164	2055
#27 Broadway & Pacific Ave													
Base	0	449	230	123	185	0	92	1350	92	0	0	0	2520
Added	0	36	18	24	55	0	27	271	66	0	0	0	497
Total	0	485	248	147	240	0	119	1621	158	0	0	0	3017

Long Beach West Gateway
2007with Mitigation with Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#28 Ocean Blvd & Pacific Ave													
Base	15	9	21	162	1	204	178	1914	19	29	1215	125	3891
Added	0	0	0	87	0	33	28	324	0	0	392	27	891
Total	15	9	21	249	1	237	206	2238	19	29	1607	152	4782
#29 4th St & Pine Ave													
Base	17	241	64	41	118	18	20	110	18	16	81	37	780
Added	0	69	0	0	92	0	3	0	0	0	0	0	164
Total	17	310	64	41	210	18	23	110	18	16	81	37	944
#30 3rd St & Pine Ave													
Base	74	196	0	0	201	53	0	0	0	95	823	138	1579
Added	25	58	0	0	84	8	0	0	0	38	109	11	333
Total	99	254	0	0	285	61	0	0	0	133	932	149	1912
#31 Broadway & Pine Ave													
Base	0	192	124	69	107	0	42	1516	86	0	0	0	2136
Added	0	44	57	65	48	0	28	273	6	0	0	0	521
Total	0	236	181	134	155	0	70	1789	92	0	0	0	2657
#32 Ocean Blvd & Pine Ave													
Base	102	87	112	142	68	137	82	1960	96	58	1169	136	4151
Added	150	17	72	14	29	11	35	227	149	101	258	49	1112
Total	252	104	184	156	97	148	117	2187	245	159	1427	185	5263
#33 3rd St & Long Beach Blvd													
Base	163	490	0	0	428	176	0	0	0	92	612	175	2135
Added	91	130	0	0	75	63	0	0	0	0	18	0	377
Total	254	620	0	0	503	239	0	0	0	92	630	175	2512
#34 Broadway & Long Beach Blvd													
Base	0	244	57	93	441	0	70	524	190	0	0	0	1619
Added	0	64	0	0	75	0	157	90	114	0	0	0	500
Total	0	308	57	93	516	0	227	614	304	0	0	0	2119
#35 Ocean Blvd & Long Beach Blvd													
Base	0	0	0	133	0	257	200	1731	0	0	887	106	3313
Added	0	0	0	57	0	131	48	266	0	0	277	17	796
Total	0	0	0	190	0	388	248	1997	0	0	1164	123	4109
#36 Ocean Blvd & Shoreline Ave													
Base	55	647	572	96	97	147	322	1736	31	160	867	61	4791
Added	0	25	143	2	34	56	31	164	0	189	213	3	860
Total	55	672	715	98	131	203	353	1900	31	349	1080	64	5651

Long Beach West Gateway
2007with Mitigation with Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#37 7th St & Magnolia Ave													
Base	80	286	0	0	295	48	0	0	0	80	636	94	1519
Added	0	84	0	0	111	0	0	0	0	89	18	6	308
Total	80	370	0	0	406	48	0	0	0	169	654	100	1827
#41 6th Street and Cedar Ave													
Base	0	74	48	32	64	0	19	822	15	0	0	0	1073
Added	0	13	15	0	2	0	0	20	1	0	0	0	51
Total	0	87	63	32	66	0	19	842	16	0	0	0	1124
#43 5th Street & Cedar Ave													
Base	10	86	18	26	56	9	4	58	5	6	41	20	340
Added	0	28	0	0	3	0	0	1	0	0	0	0	32
Total	10	114	18	26	59	9	4	59	5	6	41	20	372

Long Beach West Gateway
2007with Mitigation with Project
PM Peak Hour

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 6 3rd St & Maine Ave	A	xxxxx	0.335	A	xxxxx	0.469	+ 0.134 V/C
# 7 Broadway & Maine Ave	A	xxxxx	0.433	A	xxxxx	0.544	+ 0.112 V/C
# 9 3rd St & Daisy Ave	A	xxxxx	0.241	A	xxxxx	0.315	+ 0.074 V/C

Long Beach West Gateway
2007with Mitigation with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #6 3rd St & Maine Ave

Cycle (sec):	100	Critical Vol./Cap. (X):	0.469
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	27	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
Lanes:	0 1	0 0	0	0 0	0 1	0	0 0	0 0	0	1 0	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	78	49	0	0	19	16	0	0	0	39	665	31
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	81	51	0	0	20	17	0	0	0	41	692	32
Added Vol:	54	8	0	0	5	4	0	0	0	6	267	5
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	135	59	0	0	25	21	0	0	0	47	959	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:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	146	64	0	0	27	22	0	0	0	50	1039	40
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	146	64	0	0	27	22	0	0	0	50	1039	40
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	146	64	0	0	27	22	0	0	0	50	1039	40
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:	0.70	0.30	0.00	0.00	0.55	0.45	0.00	0.00	0.00	1.00	1.93	0.07
Final Sat.:	1114	486	0	0	873	727	0	0	0	1600	3080	120
Capacity Analysis Module:												
Vol/Sat:	0.09	0.13	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.03	0.34	0.34
Crit Moves:		****		****							****	

Long Beach West Gateway
2007with Mitigation with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #7 Broadway & Maine Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.544
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 32 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
Lanes:	0 0	0 1	0	0 1	0 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:45												
Base Vol:	0	52	124	13	10	0	30	1257	45	0	0	0
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	0	54	129	14	10	0	31	1307	47	0	0	0
Added Vol:	0	0	0	9	0	0	62	474	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	54	129	23	10	0	93	1781	47	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	0	58	138	24	11	0	100	1903	50	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	58	138	24	11	0	100	1903	50	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	58	138	24	11	0	100	1903	50	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	0.30	0.70	0.68	0.32	0.00	1.00	2.92	0.08	0.00	0.00	0.00
Final Sat.:	0	473	1127	1095	505	0	1600	4677	123	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.12	0.12	0.02	0.02	0.00	0.06	0.41	0.41	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
2007with Mitigation with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #9 3rd St & Daisy Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.315
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 21 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
Lanes:	0 1	0 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	26	15	0	0	19	33	0	0	0	19	688	26
Growth Adj:	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Initial Bse:	27	16	0	0	20	34	0	0	0	20	716	27
Added Vol:	9	0	0	0	0	0	0	0	0	0	279	4
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	36	16	0	0	20	34	0	0	0	20	995	31
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
PHF Volume:	41	18	0	0	23	39	0	0	0	23	1142	36
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	41	18	0	0	23	39	0	0	0	23	1142	36
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	41	18	0	0	23	39	0	0	0	23	1142	36
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:	0.70	0.30	0.00	0.00	0.37	0.63	0.00	0.00	0.00	0.06	2.85	0.09
Final Sat.:	1117	483	0	0	585	1015	0	0	0	91	4567	143
Capacity Analysis Module:												
Vol/Sat:	0.03	0.04	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.01	0.25	0.25
Crit Moves:	****				****						****	

CAPCITY ANALYSES

YEAR 2010 – WITH-PROJECT

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Scenario Report

Scenario:	2010 AM Project
Command:	2010 AM Project
Volume:	2010 AM Peak
Geometry:	Existing
Impact Fee:	Default Impact Fee
Trip Generation:	Default Trip Generation
Trip Distribution:	Default Trip Distribution
Paths:	Default Paths
Routes:	Default Routes
Configuration:	Default Configuration

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Trip Generation Report

Forecast for 2010 AM Peak

Zone #	Subzone	Amount	Units	Rate In	Rate Out	Trips In	Trips Out	Total Trips	% Of Total
1	100 E. Ocean	1.00	Apartments	14.00	57.00	14	57	71	3.4
	Zone 1 Subtotal					14	57	71	3.4
2	Promenade -	1.00	Apartments - O	15.00	40.00	15	40	55	2.6
2	Promenade -	1.00	Apartments - G	12.00	27.00	12	27	39	1.9
	Zone 2 Subtotal					27	67	94	4.5
3	Ocean Villas	1.00	Apartments	52.00	209.00	52	209	261	12.5
	Zone 3 Subtotal					52	209	261	12.5
4	Insurance Ex	1.00	Condos & Shopp	9.00	10.00	9	10	19	0.9
	Zone 4 Subtotal					9	10	19	0.9
5	Broadway Lof	1.00	Condos & Shopp	15.00	30.00	15	30	45	2.2
	Zone 5 Subtotal					15	30	45	2.2
6	Promenade -	1.00	Apartments - L	22.00	49.00	22	49	71	3.4
	Zone 6 Subtotal					22	49	71	3.4
7	City Place -	1.00	Shopping Cente	4.00	14.00	4	14	18	0.9
	Zone 7 Subtotal					4	14	18	0.9
8	PCS Apartmen	1.00	Apartments	4.00	17.00	4	17	21	1.0
	Zone 8 Subtotal					4	17	21	1.0
9	City Place L	1.00	Apartments	7.00	27.00	7	27	34	1.6
	Zone 9 Subtotal					7	27	34	1.6
10	4th Street L	1.00	Apartments	7.00	15.00	7	15	22	1.1
	Zone 10 Subtotal					7	15	22	1.1
11	The Pike	1.00	Restaurant	12.00	11.00	12	11	23	1.1
11	The Pike	1.00	Shopping Cente	99.00	63.00	99	63	162	7.8
	Zone 11 Subtotal					111	74	185	8.9
15	Newberry's	1.00	Apartments	3.00	11.00	3	11	14	0.7
	Zone 15 Subtotal					3	11	14	0.7
16	D'Orsay Emba	1.00	Hotel	57.00	24.00	57	24	81	3.9
	Zone 16 Subtotal					57	24	81	3.9
17	Project - Br	1.00	Elementary Sch	137.00	95.00	137	95	232	11.1
	Zone 17 Subtotal					137	95	232	11.1

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Zone #	Subzone	Amount	Units	Rate In	Rate Out	Trips In	Trips Out	Total Trips	% Of Total
18	World Trade	1.00	Condo Units &	63.00	170.00	63	170	233	11.2
	Zone 18 Subtotal					63	170	233	11.2
19	Project - Si	1.00	Apartments	6.00	13.00	6	13	19	0.9
	Zone 19 Subtotal					6	13	19	0.9
20	Project - Si	1.00	Condo Units	31.00	94.00	31	94	125	6.0
	Zone 20 Subtotal					31	94	125	6.0
21	Project - Si	1.00	Condo Units	27.00	81.00	27	81	108	5.2
	Zone 21 Subtotal					27	81	108	5.2
22	Project - Si	1.00	Apartments	32.00	72.00	32	72	104	5.0
22	Project - Si	1.00	Retail	9.00	6.00	9	6	15	0.7
22	Project - Si	1.00	PassBy	-6.00	-6.00	-6	-6	-12	-0.6
22	Project - Si	1.00	Pedestrian	-3.00	0.00	-3	0	-3	-0.1
	Zone 22 Subtotal					32	72	104	5.0
23	Project - Si	1.00	Future Develop	8.00	24.00	8	24	32	1.5
	Zone 23 Subtotal					8	24	32	1.5
24	Project - Si	1.00	Future Develop	17.00	51.00	17	51	68	3.3
	Zone 24 Subtotal					17	51	68	3.3
25	Cedar Court	1.00	Apartments	8.00	18.00	8	18	26	1.2
25	Cedar Court	1.00	Retail Stores	3.00	2.00	3	2	5	0.2
25	Cedar Court	1.00	Pedestrian	-3.00	-2.00	-3	-2	-5	-0.2
	Zone 25 Subtotal					8	18	26	1.2
26	Cedar Court	1.00	Office Parking	194.00	26.00	194	26	220	10.6
26	Cedar Court	1.00	Transit	-19.00	-3.00	-19	-3	-22	-1.1
	Zone 26 Subtotal					175	23	198	9.5
TOTAL						836	1245	2081	100.0

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Trip Distribution Report

Percent Of Trips AM Peak

Zone	To Gates 1	2	3	6	8	10	11	14	15	20	41
1	16.0	32.0	0.0	32.0	14.0	6.0	13.0	0.0	0.0	9.0	10.0
2	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
3	16.0	32.0	0.0	32.0	14.0	6.0	13.0	0.0	0.0	9.0	10.0
4	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
5	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
6	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
7	15.0	22.0	42.0	0.0	13.0	6.0	8.0	20.0	0.0	6.0	10.0
8	15.0	22.0	42.0	0.0	13.0	6.0	8.0	20.0	0.0	6.0	10.0
9	13.0	23.0	30.0	0.0	11.0	8.0	10.0	18.0	11.0	7.0	10.0
10	13.0	23.0	30.0	0.0	11.0	8.0	10.0	18.0	11.0	7.0	10.0
11	13.0	6.0	0.0	6.0	31.0	3.0	5.0	0.0	0.0	5.0	4.0
15	13.0	23.0	30.0	0.0	11.0	8.0	10.0	18.0	11.0	7.0	10.0
16	15.0	38.0	20.0	18.0	14.0	6.0	10.0	0.0	0.0	7.0	10.0
17	15.0	26.0	40.0	0.0	14.0	7.0	10.0	14.0	0.0	7.0	7.0
18	15.0	37.0	37.0	0.0	14.0	7.0	10.0	0.0	0.0	10.0	7.0
19	15.0	34.0	34.0	0.0	5.0	10.0	5.0	8.0	8.0	8.0	15.0
20	15.0	42.0	42.0	0.0	5.0	10.0	5.0	0.0	0.0	8.0	15.0
21	15.0	42.0	42.0	0.0	5.0	10.0	5.0	0.0	0.0	8.0	15.0
22	15.0	42.0	42.0	0.0	5.0	10.0	5.0	0.0	0.0	8.0	15.0
23	15.0	34.0	34.0	0.0	5.0	10.0	5.0	8.0	8.0	8.0	15.0
24	15.0	28.0	28.0	0.0	5.0	10.0	5.0	14.0	14.0	8.0	15.0
25	15.0	34.0	34.0	0.0	5.0	5.0	10.0	8.0	8.0	8.0	15.0
26	15.0	34.0	34.0	0.0	5.0	5.0	10.0	8.0	8.0	8.0	15.0

Zone	To Gates 42
1	0.0
2	0.0
3	0.0
4	0.0
5	0.0
6	0.0
7	0.0
8	0.0
9	0.0
10	0.0
11	33.0
15	0.0
16	0.0
17	0.0
18	0.0
19	0.0

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Zone	To Gates 42
20	0.0
21	0.0
22	0.0
23	0.0
24	0.0
25	0.0
26	0.0

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Turning Movement Report
2010 AM Peak

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#1 4th St & Golden Ave													
Base	0	0	5	2	11	1	0	0	2	28	0	7	57
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	5	2	11	1	0	0	2	28	0	7	57
#2 3rd St & Golden Ave													
Base	2	2	0	0	6	34	0	0	0	11	1090	33	1179
Added	0	0	0	0	0	0	0	0	0	19	303	0	322
Total	2	2	0	0	6	34	0	0	0	30	1393	33	1501
#3 Broadway & Golden Shore Ave													
Base	0	0	0	179	0	0	0	1413	0	0	0	0	1592
Added	0	0	0	19	0	0	0	320	0	0	0	0	339
Total	0	0	0	198	0	0	0	1733	0	0	0	0	1931
#4 Ocean Blvd & Golden Shore Ave													
Base	9	34	82	4	93	41	108	774	85	178	1680	615	3702
Added	0	0	0	0	0	0	42	81	0	0	187	155	465
Total	9	34	82	4	93	41	150	855	85	178	1867	770	4167
#5 4th St & Maine Ave													
Base	0	16	11	4	13	2	1	24	10	18	16	9	123
Added	0	3	10	0	20	0	0	0	0	2	0	0	35
Total	0	19	21	4	33	2	1	24	10	20	16	9	158
#6 3rd St & Maine Ave													
Base	24	13	0	0	11	24	0	0	0	75	1094	25	1264
Added	101	3	0	0	22	4	0	0	0	42	217	7	396
Total	125	16	0	0	33	28	0	0	0	117	1311	32	1660
#7 Broadway & Maine Ave													
Base	0	9	30	16	53	0	10	1374	209	0	0	0	1700
Added	0	0	0	31	0	0	123	333	0	0	0	0	487
Total	0	9	30	47	53	0	133	1707	209	0	0	0	2187
#8 4th St & Daisy Ave													
Base	1	12	12	6	18	2	2	46	2	12	26	11	150
Added	0	16	12	0	4	0	1	9	0	2	2	0	46
Total	1	28	24	6	22	2	3	55	2	14	28	11	196
#9 3rd St & Daisy Ave													
Base	16	15	0	0	16	27	0	0	0	40	1143	24	1280
Added	14	6	0	0	12	12	0	0	0	0	219	7	270
Total	30	21	0	0	28	39	0	0	0	40	1362	31	1550

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#10 Broadway & Daisy Ave													
Base	0	1	7	30	20	0	22	1450	27	0	0	0	1558
Added	0	0	0	12	0	0	19	385	0	0	0	0	416
Total	0	1	7	42	20	0	41	1835	27	0	0	0	1974
#11 6th St & Magnolia Ave													
Base	0	201	55	65	480	0	76	424	36	0	0	0	1337
Added	0	85	7	2	111	0	0	24	8	0	0	0	237
Total	0	286	62	67	591	0	76	448	44	0	0	0	1575
#12 5th St & Magnolia Ave													
Base	5	239	3	9	508	24	3	1	17	9	2	6	826
Added	0	91	0	0	119	0	0	0	0	0	0	1	211
Total	5	330	3	9	627	24	3	1	17	9	2	7	1037
#13 4th St & Magnolia Ave													
Base	4	104	20	17	473	10	11	25	14	18	20	14	730
Added	0	76	2	0	115	4	15	6	0	0	1	0	219
Total	4	180	22	17	588	14	26	31	14	18	21	14	949
#14 3rd St & Magnolia Ave													
Base	87	168	0	0	554	71	0	0	0	255	1067	73	2274
Added	14	50	0	0	42	81	0	0	0	12	113	19	331
Total	101	218	0	0	596	152	0	0	0	267	1180	92	2605
#15 Broadway & Magnolia Ave													
Base	0	72	147	26	589	0	14	1044	429	0	0	0	2320
Added	0	23	29	29	25	0	40	260	134	0	0	0	540
Total	0	95	176	55	614	0	54	1304	563	0	0	0	2860
#16 Ocean Blvd & Magnolia Ave													
Base	21	22	25	203	162	305	132	784	27	143	1835	273	3932
Added	0	0	0	67	0	91	32	49	0	0	250	21	510
Total	21	22	25	270	162	396	164	833	27	143	2085	294	4442
#17 4th St & Chestnut Ave													
Base	10	28	25	6	37	9	6	66	14	9	39	6	255
Added	0	4	0	0	2	0	0	8	0	0	1	0	15
Total	10	32	25	6	39	9	6	74	14	9	40	6	270
#18 3rd St & Chestnut Ave													
Base	28	30	0	0	30	49	0	0	0	150	1341	21	1649
Added	9	4	0	0	0	2	0	0	0	0	103	0	118
Total	37	34	0	0	30	51	0	0	0	150	1444	21	1767

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#19 Broadway & Chestnut Ave													
Base	0	33	47	98	24	0	37	957	24	0	0	0	1220
Added	0	0	0	0	0	0	13	316	0	0	0	0	329
Total	0	33	47	98	24	0	50	1273	24	0	0	0	1549
#20 4th St & Cedar Ave													
Base	2	28	15	10	35	4	7	62	6	6	64	19	260
Added	0	4	0	0	16	0	0	8	0	0	1	0	29
Total	2	32	15	10	51	4	7	70	6	6	65	19	289
#21 3rd St & Cedar Ave													
Base	36	16	0	0	26	75	0	0	0	209	1419	46	1826
Added	10	4	0	0	16	0	0	0	0	58	93	0	181
Total	46	20	0	0	42	75	0	0	0	267	1512	46	2007
#22 Broadway & Cedar Ave													
Base	0	1	3	132	10	0	16	838	228	0	0	0	1227
Added	0	0	0	9	0	0	102	214	0	0	0	0	325
Total	0	1	3	141	10	0	118	1052	228	0	0	0	1552
#23 7th St & Pacific Ave													
Base	47	193	0	0	417	60	0	0	0	193	1425	108	2443
Added	2	55	0	0	26	19	0	0	0	9	64	2	177
Total	49	248	0	0	443	79	0	0	0	202	1489	110	2620
#24 6th St & Pacific Ave													
Base	0	178	102	88	433	0	30	640	22	0	0	0	1493
Added	0	55	0	1	34	0	2	25	1	0	0	0	118
Total	0	233	102	89	467	0	32	665	23	0	0	0	1611
#25 4th St & Pacific Ave													
Base	10	161	18	1	496	9	12	31	36	16	67	9	866
Added	0	50	0	0	35	0	4	4	0	0	0	0	93
Total	10	211	18	1	531	9	16	35	36	16	67	9	959
#26 3rd St & Pacific Ave													
Base	61	117	0	0	347	126	0	0	0	61	1511	35	2258
Added	17	40	0	0	16	19	0	0	0	6	119	10	227
Total	78	157	0	0	363	145	0	0	0	67	1630	45	2485
#27 Broadway & Pacific Ave													
Base	0	173	52	85	408	0	25	752	202	0	0	0	1697
Added	0	27	5	18	15	0	20	186	17	0	0	0	288
Total	0	200	57	103	423	0	45	938	219	0	0	0	1985

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#28 Ocean Blvd & Pacific Ave													
Base	7	2	6	104	3	307	219	719	22	32	1868	196	3487
Added	0	0	0	22	0	10	7	110	0	0	265	26	440
Total	7	2	6	126	3	317	226	829	22	32	2133	222	3927
#29 4th St & Pine Ave													
Base	6	117	25	19	162	21	13	48	15	12	67	19	524
Added	0	51	0	0	29	0	4	0	0	0	0	0	84
Total	6	168	25	19	191	21	17	48	15	12	67	19	608
#30 3rd St & Pine Ave													
Base	55	103	0	0	135	65	0	0	0	76	1548	59	2040
Added	8	40	0	0	24	6	0	0	0	24	121	11	234
Total	63	143	0	0	159	71	0	0	0	100	1669	70	2274
#31 Broadway & Pine Ave													
Base	0	110	43	53	189	0	29	760	105	0	0	0	1289
Added	0	31	21	23	16	0	31	170	1	0	0	0	293
Total	0	141	64	77	205	0	60	930	106	0	0	0	1582
#32 Ocean Blvd & Pine Ave													
Base	44	44	35	40	41	89	71	717	92	46	2024	152	3394
Added	47	5	25	9	4	5	15	95	21	14	239	32	511
Total	91	49	60	49	45	94	86	812	113	60	2263	184	3905
#33 3rd St & Long Beach Blvd													
Base	73	253	0	0	426	187	0	0	0	89	1471	139	2638
Added	64	91	0	0	16	42	0	0	0	0	32	0	245
Total	137	344	0	0	442	229	0	0	0	89	1503	139	2883
#34 Broadway & Long Beach Blvd													
Base	0	402	68	207	304	0	216	1409	89	0	0	0	2695
Added	0	34	0	0	16	0	121	82	82	0	0	0	335
Total	0	436	68	207	320	0	337	1491	171	0	0	0	3030
#35 Ocean Blvd & Long Beach Blvd													
Base	0	0	0	47	0	262	141	521	0	0	2059	107	3137
Added	0	0	0	31	0	67	11	118	0	0	218	23	468
Total	0	0	0	78	0	329	152	639	0	0	2277	130	3605
#36 Ocean Blvd & Shoreline Ave													
Base	28	77	134	52	290	323	114	462	14	456	1889	59	3898
Added	0	2	16	2	3	12	28	133	0	24	83	1	304
Total	28	79	150	54	293	335	142	595	14	480	1972	60	4202

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#37 7th St & Magnolia Ave													
Base	61	161	0	0	264	65	0	0	0	197	1426	63	2237
Added	4	81	0	0	52	0	0	0	0	61	11	8	217
Total	65	242	0	0	316	65	0	0	0	258	1437	71	2454
#41 6th Street and Cedar Ave													
Base	0	0	0	0	0	0	0	0	0	0	0	0	0
Added	0	2	2	0	9	0	0	27	7	0	0	0	47
Total	0	2	2	0	9	0	0	27	7	0	0	0	47
#43 5th Street & Cedar Ave													
Base	0	0	0	0	0	0	0	0	0	0	0	0	0
Added	0	4	0	0	16	0	0	0	0	0	1	0	21
Total	0	4	0	0	16	0	0	0	0	0	1	0	21

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 1 4th St & Golden Ave	A	7.1	0.059	A	7.1	0.059	+ 0.000 V/C
# 2 3rd St & Golden Ave	A	xxxxx	0.473	A	xxxxx	0.591	+ 0.119 V/C
# 4 Ocean Blvd & Golden Shore Ave	A	xxxxx	0.499	A	xxxxx	0.583	+ 0.084 V/C
# 5 4th St & Maine Ave	A	7.2	0.061	A	7.3	0.066	+ 0.005 V/C
# 6 3rd St & Maine Ave	C	23.9	0.000	F	112.0	0.000	+88.138 D/V
# 7 Broadway & Maine Ave	F	92.3	0.000	F	718.3	0.000	+626.030 D/V
# 8 4th St & Daisy Ave	A	7.3	0.067	A	7.4	0.083	+ 0.016 V/C
# 9 3rd St & Daisy Ave	D	33.0	0.000	F	67.4	0.000	+34.329 D/V
# 10 Broadway & Daisy Ave	A	xxxxx	0.270	A	xxxxx	0.343	+ 0.074 V/C
# 11 6th St & Magnolia Ave	A	xxxxx	0.434	A	xxxxx	0.514	+ 0.080 V/C
# 12 5th St & Magnolia Ave	B	14.8	0.000	C	18.0	0.000	+ 3.162 D/V
# 13 4th St & Magnolia Ave	A	xxxxx	0.379	A	xxxxx	0.478	+ 0.099 V/C
# 14 3rd St & Magnolia Ave	B	xxxxx	0.626	C	xxxxx	0.716	+ 0.090 V/C
# 15 Broadway & Magnolia Ave	A	xxxxx	0.485	A	xxxxx	0.591	+ 0.106 V/C
# 16 Ocean Blvd & Magnolia Ave	C	xxxxx	0.703	D	xxxxx	0.839	+ 0.136 V/C
# 17 4th St & Chestnut Ave	B	10.3	0.000	B	10.4	0.000	+ 0.111 D/V
# 18 3rd St & Chestnut Ave	A	xxxxx	0.443	A	xxxxx	0.476	+ 0.033 V/C
# 19 Broadway & Chestnut Ave	A	xxxxx	0.284	A	xxxxx	0.355	+ 0.071 V/C
# 20 4th St & Cedar Ave	A	xxxxx	0.114	A	xxxxx	0.118	+ 0.004 V/C
# 21 3rd St & Cedar Ave	A	xxxxx	0.504	A	xxxxx	0.559	+ 0.055 V/C
# 22 Broadway & Cedar Ave	A	xxxxx	0.286	A	xxxxx	0.359	+ 0.073 V/C
# 23 7th St & Pacific Ave	B	xxxxx	0.649	B	xxxxx	0.680	+ 0.031 V/C
# 24 6th St & Pacific Ave	A	xxxxx	0.425	A	xxxxx	0.449	+ 0.024 V/C

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 25 4th St & Pacific Ave	A	xxxxx	0.394	A	xxxxx	0.410	+ 0.016 V/C
# 26 3rd St & Pacific Ave	B	xxxxx	0.674	C	xxxxx	0.723	+ 0.049 V/C
# 27 Broadway & Pacific Ave	A	xxxxx	0.487	A	xxxxx	0.532	+ 0.045 V/C
# 28 Ocean Blvd & Pacific Ave	C	xxxxx	0.761	D	xxxxx	0.830	+ 0.069 V/C
# 29 4th St & Pine Ave	A	xxxxx	0.231	A	xxxxx	0.258	+ 0.026 V/C
# 30 3rd St & Pine Ave	A	xxxxx	0.483	A	xxxxx	0.532	+ 0.050 V/C
# 31 Broadway & Pine Ave	A	xxxxx	0.338	A	xxxxx	0.428	+ 0.090 V/C
# 32 Ocean Blvd & Pine Ave	A	xxxxx	0.581	B	xxxxx	0.677	+ 0.097 V/C
# 33 3rd St & Long Beach Blvd	C	xxxxx	0.702	C	xxxxx	0.761	+ 0.058 V/C
# 34 Broadway & Long Beach Blvd	B	xxxxx	0.674	C	xxxxx	0.722	+ 0.048 V/C
# 35 Ocean Blvd & Long Beach Blvd	B	xxxxx	0.635	C	xxxxx	0.713	+ 0.078 V/C
# 36 Ocean Blvd & Shoreline Ave	E	xxxxx	0.928	E	xxxxx	0.981	+ 0.053 V/C
# 37 7th St & Magnolia Ave	B	xxxxx	0.625	B	xxxxx	0.680	+ 0.054 V/C

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

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

Intersection #1 4th St & Golden Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.059
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.1
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 0	0 0	1	0 0	1! 0	0	0 0	0 0	1	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:30												
Base Vol:	0	0	5	2	10	1	0	0	2	26	0	7
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	0	5	2	11	1	0	0	2	28	0	7
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	5	2	11	1	0	0	2	28	0	7
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
PHF Volume:	0	0	8	3	16	2	0	0	3	42	0	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	8	3	16	2	0	0	3	42	0	11
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	8	3	16	2	0	0	3	42	0	11
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	0.00	1.00	0.15	0.77	0.08	0.00	0.00	1.00	0.79	0.00	0.21
Final Sat.:	0	0	1032	136	682	68	0	0	1045	706	0	190
Capacity Analysis Module:												
Vol/Sat:	xxxx	xxxx	0.01	0.02	0.02	0.02	xxxx	xxxx	0.00	0.06	xxxx	0.06
Crit Moves:			****		****				****	****		
Delay/Veh:	0.0	0.0	6.5	7.1	7.1	7.1	0.0	0.0	6.4	7.2	0.0	7.2
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:	0.0	0.0	6.5	7.1	7.1	7.1	0.0	0.0	6.4	7.2	0.0	7.2
LOS by Move:	*	*	A	A	A	A	*	*	A	A	*	A
ApproachDel:	6.5			7.1			6.4			7.2		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	6.5			7.1			6.4			7.2		
LOS by Appr:	A			A			A			A		

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #2 3rd St & Golden Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.591
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	0 1	0 0	0	0 0	0 1	0	0 0	0 0	0	1 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	2	2	0	0	6	32	0	0	0	10	1019	31
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	2	2	0	0	6	34	0	0	0	11	1090	33
Added Vol:	0	0	0	0	0	0	0	0	0	19	303	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	2	2	0	0	6	34	0	0	0	30	1393	33
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	3	3	0	0	8	43	0	0	0	37	1744	42
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	3	0	0	8	43	0	0	0	37	1744	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
Final Vol.:	3	3	0	0	8	43	0	0	0	37	1744	42
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:	0.50	0.50	0.00	0.00	0.16	0.84	0.00	0.00	0.00	1.00	1.95	0.05
Final Sat.:	800	800	0	0	253	1347	0	0	0	1600	3126	74
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.02	0.56	0.56
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 Ocean Blvd & Golden Shore Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.583
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 45 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			Prot+Permit			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	1 0	1 1	0	1 0	2 1	0	1 0	2 1	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:15												
Base Vol:	8	32	77	4	87	38	101	723	79	166	1570	575
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	9	34	82	4	93	41	108	774	85	178	1680	615
Added Vol:	0	0	0	0	0	0	42	81	0	0	187	155
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	9	34	82	4	93	41	150	855	85	178	1867	770
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	9	36	87	5	98	43	158	901	89	187	1969	813
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	36	87	5	98	43	158	901	89	187	1969	813
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	9	36	87	5	98	43	158	901	89	187	1969	813
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	1.00	1.00	1.00	1.39	0.61	1.00	2.73	0.27	1.00	2.83	1.17
Final Sat.:	1600	1600	1600	1600	2227	973	1600	4368	432	1600	4531	1869
Capacity Analysis Module:												
Vol/Sat:	0.01	0.02	0.05	0.00	0.04	0.04	0.10	0.21	0.21	0.12	0.43	0.43
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

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

Intersection #5 4th St & Maine Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.066
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.3
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 0	0 1	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	0	15	10	4	12	2	1	22	9	17	15	8
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	16	11	4	13	2	1	24	10	18	16	9
Added Vol:	0	3	10	0	20	0	0	0	0	2	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	19	21	4	33	2	1	24	10	20	16	9
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	0	24	26	5	41	3	1	29	12	25	20	11
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	24	26	5	41	3	1	29	12	25	20	11
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	24	26	5	41	3	1	29	12	25	20	11
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	0.48	0.52	0.11	0.84	0.05	0.03	0.69	0.28	0.45	0.36	0.19
Final Sat.:	0	438	476	93	710	46	28	605	248	385	306	163
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.05	0.05	0.06	0.06	0.06	0.05	0.05	0.05	0.07	0.07	0.07
Crit Moves:		****			****		****					****
Delay/Veh:	0.0	7.1	7.1	7.4	7.4	7.4	7.2	7.2	7.2	7.4	7.4	7.4
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	7.1	7.1	7.4	7.4	7.4	7.2	7.2	7.2	7.4	7.4	7.4
LOS by Move:	*	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:		7.1			7.4			7.2			7.4	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		7.1			7.4			7.2			7.4	
LOS by Appr:		A			A			A			A	

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

Intersection #6 3rd St & Maine Ave

Average Delay (sec/veh): 11.7 Worst Case Level Of Service: F[112.0]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:15																				
Base Vol:	22	12	0	0		10	22	0		0	0		0			70	1022		23	
Growth Adj:	1.07	1.07	1.07	1.07		1.07	1.07	1.07		1.07	1.07		1.07			1.07	1.07		1.07	
Initial Bse:	24	13	0	0		11	24	0		0	0		0			75	1094		25	
Added Vol:	101	3	0	0		22	4	0		0	0		0			42	217		7	
PasserByVol:	0	0	0	0		0	0	0		0	0		0			0	0		0	
Initial Fut:	125	16	0	0		33	28	0		0	0		0			117	1311		32	
User Adj:	1.00	1.00	1.00	1.00		1.00	1.00	1.00		1.00	1.00		1.00			1.00	1.00		1.00	
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		1.00	
PHF Volume:	125	16	0	0		33	28	0		0	0		0			117	1311		32	
Reduct Vol:	0	0	0	0		0	0	0		0	0		0			0	0		0	
Final Vol.:	125	16	0	0		33	28	0		0	0		0			117	1311		32	
Critical Gap Module:																				
Critical Gp:	7.1	6.5	xxxxx	xxxxx		6.5	6.2	xxxxx		xxxx	xxxxx		4.1			xxxx	xxxxx			
FollowUpTim:	3.5	4.0	xxxxx	xxxxx		4.0	3.3	xxxxx		xxxx	xxxxx		2.2			xxxx	xxxxx			
Capacity Module:																				
Cnflict Vol:	905	1576	xxxxx	xxxx		1560	671	xxxx		xxxx	xxxxx		0			xxxx	xxxxx			
Potent Cap.:	259	111	xxxxx	xxxx		113	460	xxxx		xxxx	xxxxx		900			xxxx	xxxxx			
Move Cap.:	164	96	xxxxx	xxxx		99	460	xxxx		xxxx	xxxxx		900			xxxx	xxxxx			
Volume/Cap:	0.76	0.16	xxxx	xxxx		0.33	0.06	xxxx		xxxx	xxxx		0.13			xxxx	xxxx			
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx		xxxx	xxxxx		0.4			xxxx	xxxxx			
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx		xxxx	xxxxx		9.6			xxxx	xxxxx			
LOS by Move:	*	*	*	*		*	*	*		*	*		A			*	*			
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	152	xxxx	xxxxx	xxxx		xxxx	154	xxxx		xxxx	xxxxx		xxxx			xxxx	xxxxx			
SharedQueue:	6.6	xxxx	xxxxx	xxxxx		xxxx	1.7	xxxxx		xxxx	xxxxx		xxxxx			xxxx	xxxxx			
Shrd StpDel:	112.0	xxxx	xxxxx	xxxxx		xxxx	42.7	xxxxx		xxxx	xxxxx		xxxxx			xxxx	xxxxx			
Shared LOS:	F	*	*	*		*	E	*		*	*		*			*	*			
ApproachDel:	112.0					42.7		xxxxxx					xxxxxx							
ApproachLOS:	F					E		*					*							

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

Intersection #7 Broadway & Maine Ave

Average Delay (sec/veh): 34.4 Worst Case Level Of Service: F[718.3]

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					Yield Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	1	0	0	1	0	0	0	1	0	2	1	0	0	0	0	0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45																				
Base Vol:	0		8		28	15		50		0	9		1284		195	0		0		0
Growth Adj:	1.07	1.07		1.07		1.07	1.07		1.07		1.07	1.07		1.07		1.07	1.07		1.07	
Initial Bse:	0		9		30	16		53		0	10		1374		209	0		0		0
Added Vol:	0		0		0	31		0		0	123		333		0	0		0		0
PasserByVol:	0		0		0	0		0		0	0		0		0	0		0		0
Initial Fut:	0		9		30	47		53		0	133		1707		209	0		0		0
User Adj:	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Adj:	0.93	0.93		0.93		0.93	0.93		0.93		0.93	0.93		0.93		0.93	0.93		0.93	
PHF Volume:	0		9		32	51		58		0	143		1839		225	0		0		0
Reduct Vol:	0		0		0	0		0		0	0		0		0	0		0		0
Final Vol.:	0		9		32	51		58		0	143		1839		225	0		0		0
Critical Gap Module:																				
Critical Gp:	xxxxx		6.5		6.2	7.1		6.5		xxxxx	4.1		xxxx		xxxxx	xxxxx		xxxx		xxxxx
FollowUpTim:	xxxxx		4.0		3.3	3.5		4.0		xxxxx	2.2		xxxx		xxxxx	xxxxx		xxxx		xxxxx
Capacity Module:																				
Cnflict Vol:	xxxx		2238		726	904		2350		xxxxx	0		xxxx		xxxxx	xxxx		xxxx		xxxxx
Potent Cap.:	xxxx		43		428	260		36		xxxxx	900		xxxx		xxxxx	xxxx		xxxx		xxxxx
Move Cap.:	xxxx		36		428	171		31		xxxxx	900		xxxx		xxxxx	xxxx		xxxx		xxxxx
Volume/Cap:	xxxx	0.26		0.08		0.30	1.88			xxxx	0.16		xxxx		xxxx	xxxx		xxxx		xxxx
Level Of Service Module:																				
Queue:	xxxxx		xxxx		xxxxx	xxxxx		xxxx		xxxxx	0.6		xxxx		xxxxx	xxxxx		xxxx		xxxxx
Stopped Del:	xxxxx		xxxx		xxxxx	xxxxx		xxxx		xxxxx	9.8		xxxx		xxxxx	xxxxx		xxxx		xxxxx
LOS by Move:	*		*		*	*		*		*	A		*		*	*		*		*
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx		xxxx		126	50		xxxx		xxxxx	xxxx		xxxx		xxxxx	xxxx		xxxx		xxxxx
SharedQueue:	xxxxx		xxxx		1.3	11.0		xxxx		xxxxx	xxxxx		xxxx		xxxxx	xxxxx		xxxx		xxxxx
Shrd StpDel:	xxxxx		xxxx		47.2	718.3		xxxx		xxxxx	xxxxx		xxxx		xxxxx	xxxxx		xxxx		xxxxx
Shared LOS:	*		*		E	F		*		*	*		*		*	*		*		*
ApproachDel:	47.2					718.3					xxxxxx					xxxxxx				
ApproachLOS:	E					F					*					*				

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

Intersection #8 4th St & Daisy Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.083
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.4
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 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:00												
Base Vol:	1	11	11	6	17	2	2	43	2	11	24	10
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	1	12	12	6	18	2	2	46	2	12	26	11
Added Vol:	0	16	12	0	4	0	1	9	0	2	2	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	1	28	24	6	22	2	3	55	2	14	28	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
PHF Volume:	1	33	28	8	26	3	4	64	3	16	32	13
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	1	33	28	8	26	3	4	64	3	16	32	13
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	1	33	28	8	26	3	4	64	3	16	32	13
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:	0.02	0.53	0.45	0.21	0.72	0.07	0.05	0.91	0.04	0.26	0.53	0.21
Final Sat.:	18	467	400	172	596	57	44	774	30	226	455	176
Capacity Analysis Module:												
Vol/Sat:	0.07	0.07	0.07	0.04	0.04	0.04	0.08	0.08	0.08	0.07	0.07	0.07
Crit Moves:		****				****	****				****	
Delay/Veh:	7.2	7.2	7.2	7.4	7.4	7.4	7.5	7.5	7.5	7.4	7.4	7.4
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:	7.2	7.2	7.2	7.4	7.4	7.4	7.5	7.5	7.5	7.4	7.4	7.4
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	7.2			7.4			7.5			7.4		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	7.2			7.4			7.5			7.4		
LOS by Appr:	A			A			A			A		

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

Intersection #9 3rd St & Daisy Ave

Average Delay (sec/veh): 4.9 Worst Case Level Of Service: F[67.4]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:15																				
Base Vol:	15	14	0		0	15	25		0		0	0		0		37	1068		22	
Growth Adj:	1.07	1.07	1.07		1.07	1.07	1.07		1.07		1.07	1.07		1.07		1.07	1.07		1.07	
Initial Bse:	16	15	0		0	16	27		0		0	0		0		40	1143		24	
Added Vol:	14	6	0		0	12	12		0		0	0		0		0	219		7	
PasserByVol:	0	0	0		0	0	0		0		0	0		0		0	0		0	
Initial Fut:	30	21	0		0	28	39		0		0	0		0		40	1362		31	
User Adj:	1.00	1.00	1.00		1.00	1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Adj:	0.80	0.80	0.80		0.80	0.80	0.80		0.80		0.80	0.80		0.80		0.80	0.80		0.80	
PHF Volume:	37	26	0		0	35	48		0		0	0		0		49	1694		38	
Reduct Vol:	0	0	0		0	0	0		0		0	0		0		0	0		0	
Final Vol.:	37	26	0		0	35	48		0		0	0		0		49	1694		38	
Critical Gap Module:																				
Critical Gp:	7.1	6.5	xxxxx		xxxxx	6.5	6.2		xxxxx		xxxx	xxxxx				4.1	xxxx		xxxxx	
FollowUpTim:	3.5	4.0	xxxxx		xxxxx	4.0	3.3		xxxxx		xxxx	xxxxx				2.2	xxxx		xxxxx	
Capacity Module:																				
Cnflict Vol:	681	1830	xxxxx		xxxx	1811	584		xxxx		xxxx	xxxxx				0	xxxx		xxxxx	
Potent Cap.:	367	77	xxxxx		xxxx	79	516		xxxx		xxxx	xxxxx				900	xxxx		xxxxx	
Move Cap.:	203	73	xxxxx		xxxx	75	516		xxxx		xxxx	xxxxx				900	xxxx		xxxxx	
Volume/Cap:	0.18	0.36	xxxx		xxxx	0.47	0.09		xxxx		xxxx	xxxx				0.05	xxxx		xxxx	
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxx	xxxxx				0.2	xxxx		xxxxx	
Stopped Del:	xxxxx	xxxx	xxxxx		xxxxx	xxxx	xxxxx		xxxxx		xxxx	xxxxx				9.2	xxxx		xxxxx	
LOS by Move:	*	*	*		*	*	*		*		*	*				A	*		*	
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	117	xxxx	xxxxx		xxxx	xxxx	149		xxxx		xxxx	xxxxx				xxxx	xxxx		xxxxx	
SharedQueue:	2.6	xxxx	xxxxx		xxxxx	xxxx	2.8		xxxxx		xxxx	xxxxx				0.2	xxxx		xxxxx	
Shrd StpDel:	67.4	xxxx	xxxxx		xxxxx	xxxx	56.3		xxxxx		xxxx	xxxxx				9.2	xxxx		xxxxx	
Shared LOS:	F	*	*		*	*	F		*		*	*				A	*		*	
ApproachDel:		67.4				56.3					xxxxxx					xxxxxx				
ApproachLOS:		F				F					*					*				

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Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #10 Broadway & Daisy Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.343
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 22 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
Lanes:	0 0	0 1	0	0 1	0 0	0	0 1	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	0	1	7	28	19	0	21	1355	25	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	1	7	30	20	0	22	1450	27	0	0	0
Added Vol:	0	0	0	12	0	0	19	385	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	1	7	42	20	0	41	1835	27	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	0	1	8	44	21	0	43	1915	28	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1	8	44	21	0	43	1915	28	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	1	8	44	21	0	43	1915	28	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	0.13	0.87	0.67	0.33	0.00	0.09	3.86	0.05	0.00	0.00	0.00
Final Sat.:	0	200	1400	1078	522	0	139	6171	90	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.01	0.01	0.03	0.04	0.00	0.03	0.31	0.31	0.00	0.00	0.00
Crit Moves:		****		****				****				

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Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #11 6th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.514
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	0 0	0 1	0	1 0	1 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 7:30												
Base Vol:	0	188	51	61	449	0	71	396	34	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	201	55	65	480	0	76	424	36	0	0	0
Added Vol:	0	85	7	2	111	0	0	24	8	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	286	62	67	591	0	76	448	44	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	301	65	71	623	0	80	471	47	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	301	65	71	623	0	80	471	47	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	301	65	71	623	0	80	471	47	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	0.82	0.18	1.00	1.00	0.00	0.40	2.37	0.23	0.00	0.00	0.00
Final Sat.:	0	1317	283	1600	1600	0	642	3783	375	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.23	0.23	0.04	0.39	0.00	0.05	0.12	0.12	0.00	0.00	0.00
Crit Moves:	****				****			****				

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

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

Intersection #12 5th St & Magnolia Ave

Average Delay (sec/veh): 0.7 Worst Case Level Of Service: C[18.0]

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Uncontrolled						Uncontrolled						Stop Sign						Stop Sign					
Rights:	Include						Include						Include						Include					
Lanes:	1	0	0	1	0		1	0	0	1	0		0	0	1!	0	0		0	0	1!	0	0	
Volume Module: >> Count Date: 6 Nov 2003 << 7:45																								
Base Vol:	5	223		3			8	475		22			3		1		16		8		2		6	
Growth Adj:	1.07	1.07		1.07			1.07	1.07		1.07			1.07		1.07		1.07		1.07		1.07		1.07	
Initial Bse:	5	239		3			9	508		24			3		1		17		9		2		6	
Added Vol:	0	91		0			0	119		0			0		0		0		0		0		1	
PasserByVol:	0	0		0			0	0		0			0		0		0		0		0		0	
Initial Fut:	5	330		3			9	627		24			3		1		17		9		2		7	
User Adj:	1.00	1.00		1.00			1.00	1.00		1.00			1.00		1.00		1.00		1.00		1.00		1.00	
PHF Adj:	0.99	0.99		0.99			0.99	0.99		0.99			0.99		0.99		0.99		0.99		0.99		0.99	
PHF Volume:	5	335		3			9	637		24			3		1		17		9		2		8	
Reduct Vol:	0	0		0			0	0		0			0		0		0		0		0		0	
Final Vol.:	5	335		3			9	637		24			3		1		17		9		2		8	
Critical Gap Module:																								
Critical Gp:	4.1	xxxx	xxxxx				4.1	xxxx	xxxxx				7.1		6.5		6.2		7.1		6.5		6.2	
FollowUpTim:	2.2	xxxx	xxxxx				2.2	xxxx	xxxxx				3.5		4.0		3.3		3.5		4.0		3.3	
Capacity Module:																								
Cnflict Vol:	661	xxxx	xxxxx				338	xxxx	xxxxx				1018		1015		649		1022		1025		336	
Potent Cap.:	937	xxxx	xxxxx				1233	xxxx	xxxxx				218		240		473		216		237		710	
Move Cap.:	937	xxxx	xxxxx				1233	xxxx	xxxxx				212		237		473		205		234		710	
Volume/Cap:	0.01	xxxx	xxxx				0.01	xxxx	xxxx				0.02		0.00		0.04		0.04		0.01		0.01	
Level Of Service Module:																								
Queue:	0.0	xxxx	xxxxx				0.0	xxxx	xxxxx				xxxxx		xxxx		xxxxx		xxxxx		xxxx		xxxxx	
Stopped Del:	8.9	xxxx	xxxxx				7.9	xxxx	xxxxx				xxxxx		xxxx		xxxxx		xxxxx		xxxx		xxxxx	
LOS by Move:	A	*	*				A	*	*				*		*		*		*		*		*	
Movement:	LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT		LT	-	LTR	-	RT	
Shared Cap.:	xxxx	xxxx	xxxxx				xxxx	xxxx	xxxxx				xxxx		383		xxxxx		xxxx		296		xxxxx	
SharedQueue:	xxxxx	xxxx	xxxxx				xxxxx	xxxx	xxxxx				xxxxx		0.2		xxxxx		xxxxx		0.2		xxxxx	
Shrd StpDel:	xxxxx	xxxx	xxxxx				xxxxx	xxxx	xxxxx				xxxxx		15.0		xxxxx		xxxxx		18.0		xxxxx	
Shared LOS:	*	*	*				*	*	*				*		B		*		*		C		*	
ApproachDel:	xxxxxx						xxxxxx						15.0						18.0					
ApproachLOS:	*						*						B						C					

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #13 4th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.478
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	28	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
Lanes:	1 0	0 1	0	1 0	0 1	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	4	97	19	16	442	9	10	23	13	17	19	13
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	4	104	20	17	473	10	11	25	14	18	20	14
Added Vol:	0	76	2	0	115	4	15	6	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	4	180	22	17	588	14	26	31	14	18	21	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	5	198	25	19	648	15	28	34	15	20	24	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	5	198	25	19	648	15	28	34	15	20	24	15
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	5	198	25	19	648	15	28	34	15	20	24	15
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	0.89	0.11	1.00	0.98	0.02	0.37	0.43	0.20	0.34	0.40	0.26
Final Sat.:	1600	1423	177	1600	1564	36	586	697	317	545	639	417
Capacity Analysis Module:												
Vol/Sat:	0.00	0.14	0.14	0.01	0.41	0.41	0.02	0.05	0.05	0.01	0.04	0.04
Crit Moves:	****				****			****			****	

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #14 3rd St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.716
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	1 0	1 0	0	0 0	1 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:30												
Base Vol:	81	157	0	0	518	66	0	0	0	238	997	68
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	87	168	0	0	554	71	0	0	0	255	1067	73
Added Vol:	14	50	0	0	42	81	0	0	0	12	113	19
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	101	218	0	0	596	152	0	0	0	267	1180	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:	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
PHF Volume:	117	253	0	0	692	176	0	0	0	309	1369	106
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	117	253	0	0	692	176	0	0	0	309	1369	106
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	117	253	0	0	692	176	0	0	0	309	1369	106
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	1.00	0.00	0.00	1.59	0.41	0.00	0.00	0.00	0.52	2.30	0.18
Final Sat.:	1600	1600	0	0	2551	649	0	0	0	832	3682	286
Capacity Analysis Module:												
Vol/Sat:	0.07	0.16	0.00	0.00	0.27	0.27	0.00	0.00	0.00	0.19	0.37	0.37
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #15 Broadway & Magnolia Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.591
Loss Time (sec): 0 (Y+R = 4 sec) 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
Lanes:	0 0	1 1	0	0 1	1 0	0	0 1	2 0	1	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	0	67	137	24	550	0	13	976	401	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	72	147	26	589	0	14	1044	429	0	0	0
Added Vol:	0	23	29	29	25	0	40	260	134	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	95	176	55	614	0	54	1304	563	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	100	185	58	647	0	57	1376	594	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	100	185	58	647	0	57	1376	594	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	100	185	58	647	0	57	1376	594	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	1.00	1.00	0.16	1.84	0.00	0.12	2.88	1.00	0.00	0.00	0.00
Final Sat.:	0	1600	1600	262	2938	0	191	4609	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.06	0.12	0.04	0.22	0.00	0.04	0.30	0.37	0.00	0.00	0.00
Crit Moves:	****				****				****			

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #16 Ocean Blvd & Magnolia Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.839
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	89	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
Lanes:	1 0	2 0	1	1 0	2 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:45 AM												
Base Vol:	20	21	23	190	151	285	123	733	25	134	1715	255
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	21	22	25	203	162	305	132	784	27	143	1835	273
Added Vol:	0	0	0	67	0	91	32	49	0	0	250	21
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	21	22	25	270	162	396	164	833	27	143	2085	294
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	23	24	26	284	170	416	172	876	28	151	2192	309
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	23	24	26	284	170	416	172	876	28	151	2192	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
Final Vol.:	23	24	26	284	170	416	172	876	28	151	2192	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	1.00	1.00	2.00	1.00	1.00	2.91	0.09	1.00	3.00	1.00
Final Sat.:	1600	3200	1600	1600	3200	1600	1600	4651	149	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.01	0.01	0.02	0.18	0.05	0.26	0.11	0.19	0.19	0.09	0.46	0.19
Crit Moves:	****					****	****				****	

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

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

Intersection #17 4th St & Chestnut Ave

Average Delay (sec/veh): 5.0 Worst Case Level Of Service: B[10.4]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Stop Sign			Stop Sign			Uncontrolled			Uncontrolled		
Rights:	Include			Include			Include			Include		
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	9	26	23	6	35	8	6	62	13	8	36	6
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	10	28	25	6	37	9	6	66	14	9	39	6
Added Vol:	0	4	0	0	2	0	0	8	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	10	32	25	6	39	9	6	74	14	9	40	6
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
PHF Volume:	11	38	29	8	47	10	8	89	17	10	47	8
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	11	38	29	8	47	10	8	89	17	10	47	8
Critical Gap Module:												
Critical Gp:	7.1	6.5	6.2	7.1	6.5	6.2	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx
FollowUpTim:	3.5	4.0	3.3	3.5	4.0	3.3	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	212	188	97	217	192	51	55	xxxx	xxxxx	105	xxxx	xxxxx
Potent Cap.:	749	711	965	743	707	1023	1563	xxxx	xxxxx	1499	xxxx	xxxxx
Move Cap.:	697	702	965	685	698	1023	1563	xxxx	xxxxx	1499	xxxx	xxxxx
Volume/Cap:	0.02	0.05	0.03	0.01	0.07	0.01	0.00	xxxx	xxxx	0.01	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	0.0	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	7.3	xxxx	xxxxx	7.4	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	A	*	*	A	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	780	xxxxx	xxxx	733	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	0.3	xxxxx	xxxxx	0.3	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	10.1	xxxxx	xxxxx	10.4	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	B	*	*	B	*	*	*	*	*	*	*
ApproachDel:		10.1			10.4			xxxxxx			xxxxxx	
ApproachLOS:		B			B			*			*	

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #18 3rd St & Chestnut Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.476
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	27	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:15												
Base Vol:	26	28	0	0	28	46	0	0	0	140	1253	20
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	28	30	0	0	30	49	0	0	0	150	1341	21
Added Vol:	9	4	0	0	0	2	0	0	0	0	103	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	37	34	0	0	30	51	0	0	0	150	1444	21
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
PHF Volume:	43	39	0	0	35	59	0	0	0	174	1675	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	43	39	0	0	35	59	0	0	0	174	1675	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	43	39	0	0	35	59	0	0	0	174	1675	25
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	1.00	0.00	0.00	0.37	0.63	0.00	0.00	0.00	0.28	2.68	0.04
Final Sat.:	1600	1600	0	0	590	1010	0	0	0	445	4291	64
Capacity Analysis Module:												
Vol/Sat:	0.03	0.02	0.00	0.00	0.06	0.06	0.00	0.00	0.00	0.11	0.39	0.39
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #19 Broadway & Chestnut Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.355
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	29	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			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	1	1 1	0 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	0	31	44	92	22	0	35	894	22	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	33	47	98	24	0	37	957	24	0	0	0
Added Vol:	0	0	0	0	0	0	13	316	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	33	47	98	24	0	50	1273	24	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	0	34	49	102	24	0	52	1313	24	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	34	49	102	24	0	52	1313	24	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	34	49	102	24	0	52	1313	24	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	0.83	1.17	1.61	0.39	0.00	0.11	2.84	0.05	0.00	0.00	0.00
Final Sat.:	0	1323	1877	2582	618	0	180	4536	84	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.03	0.03	0.04	0.04	0.00	0.03	0.29	0.29	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #20 4th St & Cedar Ave

Cycle (sec):	50	Critical Vol./Cap. (X):	0.118
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	16	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
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	2	26	14	9	33	4	7	58	6	6	60	18
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	2	28	15	10	35	4	7	62	6	6	64	19
Added Vol:	0	4	0	0	16	0	0	8	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	2	32	15	10	51	4	7	70	6	6	65	19
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
PHF Volume:	3	38	18	12	62	5	9	84	8	8	78	23
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	3	38	18	12	62	5	9	84	8	8	78	23
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	3	38	18	12	62	5	9	84	8	8	78	23
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:	0.04	0.65	0.31	0.15	0.79	0.06	0.09	0.83	0.08	0.07	0.72	0.21
Final Sat.:	70	1040	490	236	1259	105	143	1335	122	113	1148	339
Capacity Analysis Module:												
Vol/Sat:	0.00	0.04	0.04	0.01	0.05	0.05	0.01	0.06	0.06	0.00	0.07	0.07
Crit Moves:		****		****			****				****	

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #21 3rd St & Cedar Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.559
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:30												
Base Vol:	34	15	0	0	24	70	0	0	0	195	1326	43
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	36	16	0	0	26	75	0	0	0	209	1419	46
Added Vol:	10	4	0	0	16	0	0	0	0	58	93	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	46	20	0	0	42	75	0	0	0	267	1512	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:	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
PHF Volume:	54	23	0	0	48	87	0	0	0	309	1754	53
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	54	23	0	0	48	87	0	0	0	309	1754	53
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	54	23	0	0	48	87	0	0	0	309	1754	53
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	1.00	0.00	0.00	0.36	0.64	0.00	0.00	0.00	0.44	2.49	0.07
Final Sat.:	1600	1600	0	0	572	1028	0	0	0	702	3977	121
Capacity Analysis Module:												
Vol/Sat:	0.03	0.01	0.00	0.00	0.08	0.08	0.00	0.00	0.00	0.19	0.44	0.44
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #22 Broadway & Cedar Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.359
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 36 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Split Phase			Split Phase			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	1	1 1	0 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	0	1	3	123	9	0	15	783	213	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	1	3	132	10	0	16	838	228	0	0	0
Added Vol:	0	0	0	9	0	0	102	214	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	1	3	141	10	0	118	1052	228	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	1	3	149	10	0	125	1112	241	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	1	3	149	10	0	125	1112	241	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	1	3	149	10	0	125	1112	241	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	0.50	1.50	1.87	0.13	0.00	0.25	2.26	0.49	0.00	0.00	0.00
Final Sat.:	0	800	2400	2995	205	0	405	3612	783	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.05	0.05	0.00	0.31	0.31	0.31	0.00	0.00	0.00
Crit Moves:			****		****		****					

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #23 7th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.680
Loss Time (sec):	10 (Y+R = 4 sec)	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:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	1 1	0	0 0	0 0	0	1 0	3 0	1
Volume Module: >> Count Date: 6 Nov 2003 << 7:15												
Base Vol:	44	180	0	0	390	56	0	0	0	180	1332	101
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	47	193	0	0	417	60	0	0	0	193	1425	108
Added Vol:	2	55	0	0	26	19	0	0	0	9	64	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	49	248	0	0	443	79	0	0	0	202	1489	110
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	53	269	0	0	481	86	0	0	0	219	1615	119
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	53	269	0	0	481	86	0	0	0	219	1615	119
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	53	269	0	0	481	86	0	0	0	219	1615	119
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	1.70	0.30	0.00	0.00	0.00	1.00	3.00	1.00
Final Sat.:	1600	3200	0	0	2716	484	0	0	0	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.03	0.08	0.00	0.00	0.18	0.18	0.00	0.00	0.00	0.14	0.34	0.07
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #24 6th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.449
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	29	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			Prot+Permit			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1 1	0	1 0	2 0	0	1 0	3 0	1	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 7:15												
Base Vol:	0	166	95	82	405	0	28	598	21	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	178	102	88	433	0	30	640	22	0	0	0
Added Vol:	0	55	0	1	34	0	2	25	1	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	233	102	89	467	0	32	665	23	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	246	108	94	495	0	34	704	25	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	246	108	94	495	0	34	704	25	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	246	108	94	495	0	34	704	25	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	1.39	0.61	1.00	2.00	0.00	1.00	3.00	1.00	0.00	0.00	0.00
Final Sat.:	0	2227	973	1600	3200	0	1600	4800	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.11	0.11	0.06	0.15	0.00	0.02	0.15	0.02	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #25 4th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.410
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	28	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:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 1	0	0 1	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	9	150	17	1	464	8	11	29	34	15	63	8
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	10	161	18	1	496	9	12	31	36	16	67	9
Added Vol:	0	50	0	0	35	0	4	4	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	10	211	18	1	531	9	16	35	36	16	67	9
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
PHF Volume:	11	251	22	1	633	10	19	42	43	19	80	10
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	11	251	22	1	633	10	19	42	43	19	80	10
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	11	251	22	1	633	10	19	42	43	19	80	10
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	1.84	0.16	0.01	1.96	0.03	1.00	0.49	0.51	1.00	0.89	0.11
Final Sat.:	1600	2945	255	6	3143	51	1600	785	815	1600	1420	180
Capacity Analysis Module:												
Vol/Sat:	0.01	0.09	0.09	0.00	0.20	0.20	0.01	0.05	0.05	0.01	0.06	0.06
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #26 3rd St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.723
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	49	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
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	1 0	2 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:30												
Base Vol:	57	109	0	0	324	118	0	0	0	57	1412	33
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	61	117	0	0	347	126	0	0	0	61	1511	35
Added Vol:	17	40	0	0	16	19	0	0	0	6	119	10
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	78	157	0	0	363	145	0	0	0	67	1630	45
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
PHF Volume:	90	181	0	0	419	168	0	0	0	77	1882	52
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	90	181	0	0	419	168	0	0	0	77	1882	52
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	90	181	0	0	419	168	0	0	0	77	1882	52
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	2.00	1.00	0.00	0.00	0.00	1.00	2.92	0.08
Final Sat.:	1600	3200	0	0	3200	1600	0	0	0	1600	4670	130
Capacity Analysis Module:												
Vol/Sat:	0.06	0.06	0.00	0.00	0.13	0.10	0.00	0.00	0.00	0.05	0.40	0.40
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #27 Broadway & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.532
Loss Time (sec):	10 (Y+R = 4 sec)	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			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	2 0	1	1 0	2 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 5 Nov 2003 << 8:00												
Base Vol:	0	162	49	79	381	0	23	703	189	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	173	52	85	408	0	25	752	202	0	0	0
Added Vol:	0	27	5	18	15	0	20	186	17	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	200	57	103	423	0	45	938	219	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	217	62	111	458	0	48	1018	238	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	217	62	111	458	0	48	1018	238	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	217	62	111	458	0	48	1018	238	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	2.00	1.00	1.00	2.00	0.00	1.00	2.43	0.57	0.00	0.00	0.00
Final Sat.:	0	3200	1600	1600	3200	0	1600	3891	909	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.07	0.04	0.07	0.14	0.00	0.03	0.26	0.26	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #28 Ocean Blvd & Pacific Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.830
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 110 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			Prot+Permit			Prot+Permit		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1! 0	0	1 1	0 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:45												
Base Vol:	7	2	6	97	3	287	205	672	21	30	1746	183
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	7	2	6	104	3	307	219	719	22	32	1868	196
Added Vol:	0	0	0	22	0	10	7	110	0	0	265	26
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	7	2	6	126	3	317	226	829	22	32	2133	222
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	8	2	7	132	3	334	238	873	24	34	2245	233
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	2	7	132	3	334	238	873	24	34	2245	233
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	2	7	132	3	334	238	873	24	34	2245	233
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:	0.47	0.13	0.40	1.95	0.05	1.00	1.00	2.92	0.08	1.00	3.00	1.00
Final Sat.:	747	213	640	3120	80	1600	1600	4673	127	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.00	0.01	0.01	0.04	0.04	0.21	0.15	0.19	0.19	0.02	0.47	0.15
Crit Moves:	****					****	****				****	

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #29 4th St & Pine Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.258
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	19	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
Lanes:	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 6 Nov 2003 << 8:00												
Base Vol:	6	109	23	18	151	20	12	45	14	11	63	18
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	6	117	25	19	162	21	13	48	15	12	67	19
Added Vol:	0	51	0	0	29	0	4	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	6	168	25	19	191	21	17	48	15	12	67	19
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78
PHF Volume:	8	215	32	25	244	27	22	62	19	15	86	25
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	8	215	32	25	244	27	22	62	19	15	86	25
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	8	215	32	25	244	27	22	62	19	15	86	25
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	0.87	0.13	1.00	0.90	0.10	1.00	0.76	0.24	1.00	0.78	0.22
Final Sat.:	1600	1395	205	1600	1438	162	1600	1220	380	1600	1244	356
Capacity Analysis Module:												
Vol/Sat:	0.01	0.15	0.15	0.02	0.17	0.17	0.01	0.05	0.05	0.01	0.07	0.07
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #30 3rd St & Pine Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.532
Loss Time (sec): 0 (Y+R = 4 sec) 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
Lanes:	1 0	1 0	0	0 0	1 0	1	0 0	0 0	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:30												
Base Vol:	51	96	0	0	126	61	0	0	0	71	1447	55
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	55	103	0	0	135	65	0	0	0	76	1548	59
Added Vol:	8	40	0	0	24	6	0	0	0	24	121	11
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	63	143	0	0	159	71	0	0	0	100	1669	70
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	69	156	0	0	174	78	0	0	0	109	1828	77
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	69	156	0	0	174	78	0	0	0	109	1828	77
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	69	156	0	0	174	78	0	0	0	109	1828	77
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	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00	3.00	1.00
Final Sat.:	1600	1600	0	0	1600	1600	0	0	0	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.04	0.10	0.00	0.00	0.11	0.05	0.00	0.00	0.00	0.07	0.38	0.05
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #31 Broadway & Pine Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.428
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 25 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
Lanes:	0 0	0 1	0	1 0	1 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	0	103	40	50	177	0	27	710	98	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	110	43	53	189	0	29	760	105	0	0	0
Added Vol:	0	31	21	23	16	0	31	170	1	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	141	64	77	205	0	60	930	106	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	154	70	84	224	0	65	1015	116	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	154	70	84	224	0	65	1015	116	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	154	70	84	224	0	65	1015	116	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	0.69	0.31	1.00	1.00	0.00	1.00	2.69	0.31	0.00	0.00	0.00
Final Sat.:	0	1102	498	1600	1600	0	1600	4309	491	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.14	0.14	0.05	0.14	0.00	0.04	0.24	0.24	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #32 Ocean Blvd & Pine Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.677
Loss Time (sec): 0 (Y+R = 4 sec) 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
Lanes:	1 0	1 0	1	0 1	0 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	41	41	33	37	38	83	66	670	86	43	1892	142
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	44	44	35	40	41	89	71	717	92	46	2024	152
Added Vol:	47	5	25	9	4	5	15	95	21	14	239	32
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	91	49	60	49	45	94	86	812	113	60	2263	184
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	96	52	64	51	47	99	91	859	120	64	2395	195
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	96	52	64	51	47	99	91	859	120	64	2395	195
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	96	52	64	51	47	99	91	859	120	64	2395	195
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	1.00	1.00	0.52	0.48	1.00	1.00	2.63	0.37	1.00	3.00	1.00
Final Sat.:	1600	1600	1600	834	766	1600	1600	4213	587	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.06	0.03	0.04	0.03	0.06	0.06	0.06	0.20	0.20	0.04	0.50	0.12
Crit Moves:	****				****		****				****	

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #33 3rd St & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.761
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	54	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
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	0 1	2 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 7:15												
Base Vol:	68	236	0	0	398	175	0	0	0	83	1375	130
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	73	253	0	0	426	187	0	0	0	89	1471	139
Added Vol:	64	91	0	0	16	42	0	0	0	0	32	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	137	344	0	0	442	229	0	0	0	89	1503	139
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
PHF Volume:	155	388	0	0	499	259	0	0	0	100	1699	157
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	155	388	0	0	499	259	0	0	0	100	1699	157
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	155	388	0	0	499	259	0	0	0	100	1699	157
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	2.00	1.00	0.00	0.00	0.00	0.17	2.83	1.00
Final Sat.:	1600	3200	0	0	3200	1600	0	0	0	268	4532	1600
Capacity Analysis Module:												
Vol/Sat:	0.10	0.12	0.00	0.00	0.16	0.16	0.00	0.00	0.00	0.06	0.37	0.10
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #34 Broadway & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.722
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	49	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
Lanes:	0 0	2 0	1	2 0	2 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 8:00												
Base Vol:	0	376	64	193	284	0	202	1317	83	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	402	68	207	304	0	216	1409	89	0	0	0
Added Vol:	0	34	0	0	16	0	121	82	82	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	436	68	207	320	0	337	1491	171	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	0	470	74	222	344	0	363	1605	184	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	470	74	222	344	0	363	1605	184	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	470	74	222	344	0	363	1605	184	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	2.00	1.00	2.00	2.00	0.00	1.00	2.69	0.31	0.00	0.00	0.00
Final Sat.:	0	3200	1600	3200	3200	0	1600	4307	493	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.15	0.05	0.07	0.11	0.00	0.23	0.37	0.37	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #35 Ocean Blvd & Long Beach Blvd

Cycle (sec): 90 Critical Vol./Cap. (X): 0.713
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 65 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Protected			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 0	0	1 0	1! 0	1	1 0	3 0	0	0 0	3 0	1
Volume Module: >> Count Date: 4 Nov 2003 << 7:15 AM												
Base Vol:	0	0	0	44	0	245	132	487	0	0	1924	100
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	0	0	47	0	262	141	521	0	0	2059	107
Added Vol:	0	0	0	31	0	67	11	118	0	0	218	23
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	78	0	329	152	639	0	0	2277	130
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	0	0	0	83	0	349	161	678	0	0	2414	138
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	83	0	349	161	678	0	0	2414	138
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	83	0	349	161	678	0	0	2414	138
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	0.00	0.00	1.00	0.00	2.00	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	1600	0	3200	1600	4800	0	0	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.05	0.00	0.11	0.10	0.14	0.00	0.00	0.50	0.09
Crit Moves:						****	****				****	

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #36 Ocean Blvd & Shoreline Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.981
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: E

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Protected			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	3 0	1	1 0	2 1	0	1 0	2 1	0	2 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	26	72	125	49	271	302	107	432	13	426	1765	55
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	28	77	134	52	290	323	114	462	14	456	1889	59
Added Vol:	0	2	16	2	3	12	28	133	0	24	83	1
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	28	79	150	54	293	335	142	595	14	480	1972	60
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	29	82	155	56	302	346	147	614	14	495	2035	62
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	29	82	155	56	302	346	147	614	14	495	2035	62
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	29	82	155	56	302	346	147	614	14	495	2035	62
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	3.00	1.00	1.00	2.00	1.00	1.00	2.93	0.07	2.00	1.94	0.06
Final Sat.:	1600	4800	1600	1600	3200	1600	1600	4690	110	3200	3106	94
Capacity Analysis Module:												
Vol/Sat:	0.02	0.02	0.10	0.04	0.09	0.22	0.09	0.13	0.13	0.15	0.66	0.66
Crit Moves:	****					****	****				****	

Long Beach West Gateway
Year 2010 with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #37 7th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.680
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 6 Nov 2003 << 7:00												
Base Vol:	57	150	0	0	247	61	0	0	0	184	1333	59
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	61	161	0	0	264	65	0	0	0	197	1426	63
Added Vol:	4	81	0	0	52	0	0	0	0	61	11	8
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	65	242	0	0	316	65	0	0	0	258	1437	71
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	68	254	0	0	332	69	0	0	0	271	1510	75
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	68	254	0	0	332	69	0	0	0	271	1510	75
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	68	254	0	0	332	69	0	0	0	271	1510	75
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	1.00	0.00	0.00	0.83	0.17	0.00	0.00	0.00	0.44	2.44	0.12
Final Sat.:	1600	1600	0	0	1326	274	0	0	0	701	3906	193
Capacity Analysis Module:												
Vol/Sat:	0.04	0.16	0.00	0.00	0.25	0.25	0.00	0.00	0.00	0.17	0.39	0.39
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Scenario Report

Scenario:	2010 PM Project
Command:	2010 PM Project
Volume:	2010 PM Peak
Geometry:	Existing
Impact Fee:	Default Impact Fee
Trip Generation:	Default Trip Generation
Trip Distribution:	Default Trip Distribution
Paths:	Default Paths
Routes:	Default Routes
Configuration:	Default Configuration

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Trip Generation Report

Forecast for 2010 PM Peak

Zone #	Subzone	Amount	Units	Rate In	Rate Out	Trips In	Trips Out	Total Trips	% Of Total
1	100 E. Ocean	1.00	Apartments	56.00	30.00	56	30	86	2.2
	Zone 1 Subtotal					56	30	86	2.2
2	Promenade -	1.00	Apartments - O	55.00	39.00	55	39	94	2.4
2	Promenade -	1.00	Apartments - G	41.00	31.00	41	31	72	1.8
	Zone 2 Subtotal					96	70	166	4.2
3	Ocean Villas	1.00	Apartments	213.00	110.00	213	110	323	8.1
	Zone 3 Subtotal					213	110	323	8.1
4	Insurance Ex	1.00	Condos & Shopp	26.00	26.00	26	26	52	1.3
	Zone 4 Subtotal					26	26	52	1.3
5	Broadway Lof	1.00	Condos & Shopp	45.00	41.00	45	41	86	2.2
	Zone 5 Subtotal					45	41	86	2.2
6	Promenade -	1.00	Apartments - L	75.00	57.00	75	57	132	3.3
	Zone 6 Subtotal					75	57	132	3.3
7	City Place -	1.00	Shopping Cente	15.00	7.00	15	7	22	0.6
	Zone 7 Subtotal					15	7	22	0.6
8	PCS Apartmen	1.00	Apartments	17.00	9.00	17	9	26	0.7
	Zone 8 Subtotal					17	9	26	0.7
9	City Place L	1.00	Apartments	28.00	14.00	28	14	42	1.1
	Zone 9 Subtotal					28	14	42	1.1
10	4th Street L	1.00	Apartments	25.00	19.00	25	19	44	1.1
	Zone 10 Subtotal					25	19	44	1.1
11	The Pike	1.00	Theatre	95.00	54.00	95	54	149	3.7
11	The Pike	1.00	Restaurant	432.00	288.00	432	288	720	18.0
11	The Pike	1.00	Shopping Cente	284.00	307.00	284	307	591	14.8
11	The Pike	1.00	Night Club	153.00	79.00	153	79	232	5.8
	Zone 11 Subtotal					964	728	1692	42.4
15	Newberry's	1.00	Apartments	11.00	6.00	11	6	17	0.4
	Zone 15 Subtotal					11	6	17	0.4
16	D'Orsay Emba	1.00	Hotel	59.00	74.00	59	74	133	3.3
	Zone 16 Subtotal					59	74	133	3.3

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Zone #	Subzone	Amount	Units	Rate In	Rate Out	Trips In	Trips Out	Total Trips	% Of Total
17	Project - Br	1.00	Elementary Sch	18.00	22.00	18	22	40	1.0
	Zone 17 Subtotal					18	22	40	1.0
18	World Trade	1.00	Condo Units &	180.00	143.00	180	143	323	8.1
	Zone 18 Subtotal					180	143	323	8.1
19	Project - Si	1.00	Apartments	15.00	11.00	15	11	26	0.7
	Zone 19 Subtotal					15	11	26	0.7
20	Project - Si	1.00	Condo Units	90.00	68.00	90	68	158	4.0
	Zone 20 Subtotal					90	68	158	4.0
21	Project - Si	1.00	Condo Units	78.00	58.00	78	58	136	3.4
	Zone 21 Subtotal					78	58	136	3.4
22	Project - Si	1.00	Apartments	78.00	57.00	78	57	135	3.4
22	Project - Si	1.00	Retail	27.00	29.00	27	29	56	1.4
22	Project - Si	1.00	PassBy	-27.00	-27.00	-27	-27	-54	-1.4
22	Project - Si	1.00	Pedestrian	0.00	-2.00	0	-2	-2	-0.1
	Zone 22 Subtotal					78	57	135	3.4
23	Project - Si	1.00	Future Develop	23.00	18.00	23	18	41	1.0
	Zone 23 Subtotal					23	18	41	1.0
24	Project - Si	1.00	Future Develop	49.00	37.00	49	37	86	2.2
	Zone 24 Subtotal					49	37	86	2.2
25	Cedar Court	1.00	Apartments	19.00	14.00	19	14	33	0.8
25	Cedar Court	1.00	Retail Stores	6.00	7.00	6	7	13	0.3
25	Cedar Court	1.00	Pedestrian	-6.00	-7.00	-6	-7	-13	-0.3
	Zone 25 Subtotal					19	14	33	0.8
26	Cedar Court	1.00	Office Parking	37.00	180.00	37	180	217	5.4
26	Cedar Court	1.00	Transit	-4.00	-18.00	-4	-18	-22	-0.6
	Zone 26 Subtotal					33	162	195	4.9
TOTAL						2213	1781	3994	100.0

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Trip Distribution Report

Percent Of Trips PM Peak

Zone	To Gates 1	2	3	6	8	10	11	14	15	20	41
1	16.0	32.0	0.0	32.0	14.0	6.0	11.0	0.0	0.0	9.0	12.0
2	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
3	16.0	32.0	0.0	32.0	14.0	6.0	11.0	0.0	0.0	9.0	12.0
4	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
5	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
6	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
7	15.0	22.0	42.0	0.0	13.0	6.0	8.0	20.0	0.0	6.0	10.0
8	15.0	22.0	42.0	0.0	13.0	6.0	8.0	20.0	0.0	6.0	10.0
9	13.0	24.0	28.0	0.0	11.0	6.0	10.0	15.0	11.0	9.0	12.0
10	13.0	24.0	28.0	0.0	11.0	6.0	10.0	15.0	11.0	9.0	12.0
11	12.0	8.0	0.0	8.0	28.0	3.0	6.0	0.0	0.0	5.0	5.0
15	13.0	24.0	28.0	0.0	11.0	6.0	10.0	15.0	11.0	9.0	12.0
16	15.0	36.0	20.0	16.0	14.0	6.0	10.0	0.0	0.0	9.0	10.0
17	15.0	20.0	37.0	0.0	14.0	7.0	10.0	17.0	0.0	9.0	8.0
18	15.0	32.0	32.0	0.0	14.0	7.0	12.0	0.0	0.0	12.0	8.0
19	15.0	34.0	34.0	0.0	5.0	10.0	5.0	8.0	8.0	8.0	15.0
20	15.0	42.0	42.0	0.0	5.0	10.0	5.0	0.0	0.0	8.0	15.0
21	15.0	42.0	42.0	0.0	5.0	10.0	5.0	0.0	0.0	8.0	15.0
22	15.0	42.0	42.0	0.0	5.0	10.0	5.0	0.0	0.0	8.0	15.0
23	15.0	34.0	34.0	0.0	5.0	10.0	5.0	8.0	8.0	8.0	15.0
24	15.0	28.0	28.0	0.0	5.0	10.0	5.0	14.0	14.0	8.0	15.0
25	15.0	34.0	34.0	0.0	5.0	5.0	10.0	8.0	8.0	8.0	15.0
26	15.0	34.0	34.0	0.0	5.0	5.0	10.0	8.0	8.0	8.0	15.0

Zone	To Gates 42
1	0.0
2	0.0
3	0.0
4	0.0
5	0.0
6	0.0
7	0.0
8	0.0
9	0.0
10	0.0
11	33.0
15	0.0
16	0.0
17	0.0
18	0.0
19	0.0

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Zone	To Gates 42
20	0.0
21	0.0
22	0.0
23	0.0
24	0.0
25	0.0
26	0.0

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Turning Movement Report
2010 PM Peak

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#1 4th St & Golden Ave													
Base	0	15	13	12	24	2	1	3	0	12	2	14	97
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	15	13	12	24	2	1	3	0	12	2	14	97
#2 3rd St & Golden Ave													
Base	5	6	0	0	1	19	0	0	0	3	798	30	863
Added	0	0	0	0	0	0	0	0	0	63	278	0	341
Total	5	6	0	0	1	19	0	0	0	66	1076	30	1204
#3 Broadway & Golden Shore Ave													
Base	0	0	0	60	0	0	0	1365	0	0	0	0	1425
Added	0	0	0	63	0	0	0	532	0	0	0	0	595
Total	0	0	0	123	0	0	0	1897	0	0	0	0	2020
#4 Ocean Blvd & Golden Shore Ave													
Base	189	590	141	12	7	1	121	1769	58	159	1018	516	4581
Added	0	0	0	0	0	0	64	240	0	0	246	188	738
Total	189	590	141	12	7	1	185	2009	58	159	1264	704	5319
#5 4th St & Maine Ave													
Base	13	18	20	7	9	3	2	20	5	11	37	16	163
Added	0	3	8	0	4	0	0	0	0	6	0	0	21
Total	13	21	28	7	13	3	2	20	5	17	37	16	184
#6 3rd St & Maine Ave													
Base	83	52	0	0	20	17	0	0	0	42	712	33	960
Added	54	8	0	0	5	4	0	0	0	6	284	5	366
Total	137	60	0	0	25	21	0	0	0	48	996	38	1326
#7 Broadway & Maine Ave													
Base	0	56	133	14	11	0	32	1345	48	0	0	0	1638
Added	0	0	0	9	0	0	62	502	0	0	0	0	573
Total	0	56	133	23	11	0	94	1847	48	0	0	0	2211
#8 4th St & Daisy Ave													
Base	6	20	24	13	35	27	15	61	2	10	51	11	275
Added	0	12	9	0	12	0	1	7	0	6	6	0	53
Total	6	32	33	13	47	27	16	68	2	16	57	11	328
#9 3rd St & Daisy Ave													
Base	28	16	0	0	20	35	0	0	0	20	736	28	884
Added	14	16	0	0	9	9	0	0	0	0	290	6	344
Total	42	32	0	0	29	44	0	0	0	20	1026	34	1228

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#10 Broadway & Daisy Ave													
Base	0	9	49	31	0	0	19	1138	3	0	0	0	1250
Added	0	0	0	9	0	0	30	468	0	0	0	0	507
Total	0	9	49	40	0	0	49	1606	3	0	0	0	1757
#11 6th St & Magnolia Ave													
Base	0	376	47	50	302	0	46	1370	41	0	0	0	2231
Added	0	92	5	6	212	0	0	23	5	0	0	0	343
Total	0	468	52	56	514	0	46	1393	46	0	0	0	2574
#12 5th St & Magnolia Ave													
Base	16	411	14	35	260	29	11	11	12	4	13	40	855
Added	0	97	0	1	216	0	0	0	0	0	0	0	314
Total	16	508	14	36	476	29	11	11	12	4	13	40	1169
#13 4th St & Magnolia Ave													
Base	6	424	37	37	245	30	27	50	25	18	37	32	969
Added	0	86	1	0	206	10	11	5	0	0	1	0	320
Total	6	510	38	37	451	40	38	55	25	18	38	32	1289
#14 3rd St & Magnolia Ave													
Base	83	356	0	0	247	58	0	0	0	82	644	94	1565
Added	17	60	0	0	83	119	0	0	0	18	176	29	502
Total	100	416	0	0	330	177	0	0	0	100	820	123	2067
#15 Broadway & Magnolia Ave													
Base	0	378	113	52	244	0	61	954	195	0	0	0	1998
Added	0	45	13	35	67	0	32	318	123	0	0	0	633
Total	0	423	126	87	311	0	93	1272	318	0	0	0	2631
#16 Ocean Blvd & Magnolia Ave													
Base	88	68	78	214	50	320	118	1706	32	73	1374	96	4217
Added	0	0	0	118	0	72	20	220	0	0	362	38	830
Total	88	68	78	332	50	392	138	1926	32	73	1736	134	5047
#17 4th St & Chestnut Ave													
Base	11	48	33	9	10	7	11	166	12	15	101	11	432
Added	0	3	0	0	6	0	0	6	0	0	1	0	16
Total	11	51	33	9	16	7	11	172	12	15	102	11	448
#18 3rd St & Chestnut Ave													
Base	100	58	0	0	18	28	0	0	0	88	723	50	1065
Added	7	3	0	0	0	6	0	0	0	0	199	0	215
Total	107	61	0	0	18	34	0	0	0	88	922	50	1280

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#19 Broadway & Chestnut Ave													
Base	0	122	150	151	29	0	27	1301	4	0	0	0	1784
Added	0	0	0	0	0	0	10	323	0	0	0	0	333
Total	0	122	150	151	29	0	37	1624	4	0	0	0	2117
#20 4th St & Cedar Ave													
Base	9	63	20	14	30	14	14	157	7	10	94	30	462
Added	0	28	0	0	3	0	0	6	0	0	1	0	38
Total	9	91	20	14	33	14	14	163	7	10	95	30	500
#21 3rd St & Cedar Ave													
Base	68	45	0	0	31	32	0	0	0	45	731	60	1012
Added	73	28	0	0	3	0	0	0	0	11	126	0	241
Total	141	73	0	0	34	32	0	0	0	56	857	60	1253
#22 Broadway & Cedar Ave													
Base	0	62	134	35	2	0	30	1395	0	0	0	0	1659
Added	0	0	0	61	0	0	19	304	0	0	0	0	384
Total	0	62	134	96	2	0	49	1699	0	0	0	0	2043
#23 7th St & Pacific Ave													
Base	60	495	0	0	343	53	0	0	0	118	919	114	2104
Added	2	77	0	0	73	15	0	0	0	3	106	2	278
Total	62	572	0	0	416	69	0	0	0	121	1025	116	2382
#24 6th St & Pacific Ave													
Base	0	525	166	105	336	0	49	1400	40	0	0	0	2620
Added	0	69	0	4	72	0	9	37	2	0	0	0	193
Total	0	594	166	109	408	0	58	1437	42	0	0	0	2813
#25 4th St & Pacific Ave													
Base	15	668	39	3	246	10	72	72	16	19	46	17	1222
Added	0	66	0	0	73	1	3	3	0	0	1	0	147
Total	15	734	39	3	319	11	75	75	16	19	47	17	1369
#26 3rd St & Pacific Ave													
Base	106	438	0	0	231	60	0	0	0	153	679	154	1821
Added	18	52	0	0	64	10	0	0	0	11	119	14	288
Total	124	490	0	0	295	70	0	0	0	164	798	168	2109
#27 Broadway & Pacific Ave													
Base	0	462	236	126	190	0	94	1389	94	0	0	0	2593
Added	0	36	18	24	55	0	27	273	66	0	0	0	499
Total	0	498	254	150	245	0	121	1662	160	0	0	0	3092

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#28 Ocean Blvd & Pacific Ave													
Base	15	10	21	167	1	210	183	1969	19	30	1250	128	4003
Added	0	0	0	87	0	33	28	327	0	0	396	27	898
Total	15	10	21	254	1	243	211	2296	19	30	1646	155	4901
#29 4th St & Pine Ave													
Base	17	248	66	42	121	18	20	113	18	16	83	39	803
Added	0	69	0	0	93	1	3	0	0	0	0	0	166
Total	17	317	66	42	214	19	23	113	18	16	83	39	969
#30 3rd St & Pine Ave													
Base	76	201	0	0	207	55	0	0	0	97	846	142	1624
Added	25	58	0	0	84	8	0	0	0	38	111	11	335
Total	101	259	0	0	291	63	0	0	0	135	957	153	1959
#31 Broadway & Pine Ave													
Base	0	198	127	71	110	0	43	1560	89	0	0	0	2198
Added	0	44	57	65	48	0	28	275	6	0	0	0	523
Total	0	242	184	136	158	0	71	1835	95	0	0	0	2721
#32 Ocean Blvd & Pine Ave													
Base	105	90	116	147	70	141	85	2017	98	60	1203	140	4270
Added	150	17	72	14	29	11	35	230	149	101	261	49	1118
Total	255	107	188	161	99	152	120	2247	247	161	1464	189	5388
#33 3rd St & Long Beach Blvd													
Base	168	504	0	0	441	181	0	0	0	94	629	180	2197
Added	91	131	0	0	75	65	0	0	0	0	18	0	380
Total	259	635	0	0	516	246	0	0	0	94	647	180	2577
#34 Broadway & Long Beach Blvd													
Base	0	251	59	95	454	0	72	539	196	0	0	0	1666
Added	0	64	0	0	75	0	158	90	114	0	0	0	501
Total	0	315	59	95	529	0	230	629	310	0	0	0	2167
#35 Ocean Blvd & Long Beach Blvd													
Base	0	0	0	137	0	264	205	1780	0	0	913	109	3409
Added	0	0	0	57	0	131	48	269	0	0	281	17	803
Total	0	0	0	194	0	395	253	2049	0	0	1194	126	4212
#36 Ocean Blvd & Shoreline Ave													
Base	57	666	589	98	100	151	332	1786	32	165	892	63	4929
Added	0	25	143	2	34	56	31	167	0	189	216	3	866
Total	57	691	732	100	134	207	363	1953	32	354	1108	66	5795

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#37 7th St & Magnolia Ave													
Base	82	294	0	0	304	49	0	0	0	82	655	96	1563
Added	3	89	0	0	119	0	0	0	0	100	25	6	342
Total	85	383	0	0	423	49	0	0	0	182	680	102	1905
#41 6th Street and Cedar Ave													
Base	0	0	0	0	0	0	0	0	0	0	0	0	0
Added	0	13	15	0	2	0	0	33	1	0	0	0	64
Total	0	13	15	0	2	0	0	33	1	0	0	0	64
#43 5th Street & Cedar Ave													
Base	0	0	0	0	0	0	0	0	0	0	0	0	0
Added	0	28	0	0	3	0	0	1	0	0	0	0	32
Total	0	28	0	0	3	0	0	1	0	0	0	0	32

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 1 4th St & Golden Ave	A	7.0	0.046	A	7.0	0.046	+ 0.000 V/C
# 2 3rd St & Golden Ave	A	xxxxx	0.302	A	xxxxx	0.398	+ 0.096 V/C
# 4 Ocean Blvd & Golden Shore Ave	D	xxxxx	0.833	D	xxxxx	0.880	+ 0.047 V/C
# 5 4th St & Maine Ave	A	7.2	0.080	A	7.3	0.089	+ 0.009 V/C
# 6 3rd St & Maine Ave	C	22.6	0.000	F	71.2	0.000	+48.588 D/V
# 7 Broadway & Maine Ave	F	53.7	0.000	F	OVRFL	0.000	+ 3.4E+0038
# 8 4th St & Daisy Ave	A	7.6	0.108	A	7.8	0.123	+ 0.015 V/C
# 9 3rd St & Daisy Ave	C	15.6	0.000	D	26.9	0.000	+11.261 D/V
# 10 Broadway & Daisy Ave	A	xxxxx	0.254	A	xxxxx	0.343	+ 0.089 V/C
# 11 6th St & Magnolia Ave	B	xxxxx	0.616	B	xxxxx	0.688	+ 0.072 V/C
# 12 5th St & Magnolia Ave	C	17.8	0.000	D	28.4	0.000	+10.603 D/V
# 13 4th St & Magnolia Ave	A	xxxxx	0.426	A	xxxxx	0.495	+ 0.069 V/C
# 14 3rd St & Magnolia Ave	A	xxxxx	0.438	A	xxxxx	0.531	+ 0.093 V/C
# 15 Broadway & Magnolia Ave	A	xxxxx	0.412	A	xxxxx	0.529	+ 0.117 V/C
# 16 Ocean Blvd & Magnolia Ave	B	xxxxx	0.691	C	xxxxx	0.785	+ 0.095 V/C
# 17 4th St & Chestnut Ave	B	11.7	0.000	B	11.9	0.000	+ 0.175 D/V
# 18 3rd St & Chestnut Ave	A	xxxxx	0.289	A	xxxxx	0.342	+ 0.053 V/C
# 19 Broadway & Chestnut Ave	A	xxxxx	0.454	A	xxxxx	0.529	+ 0.075 V/C
# 20 4th St & Cedar Ave	A	xxxxx	0.192	A	xxxxx	0.215	+ 0.022 V/C
# 21 3rd St & Cedar Ave	A	xxxxx	0.272	A	xxxxx	0.353	+ 0.081 V/C
# 22 Broadway & Cedar Ave	A	xxxxx	0.389	A	xxxxx	0.480	+ 0.091 V/C
# 23 7th St & Pacific Ave	A	xxxxx	0.521	A	xxxxx	0.577	+ 0.056 V/C
# 24 6th St & Pacific Ave	C	xxxxx	0.730	C	xxxxx	0.763	+ 0.033 V/C

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 25 4th St & Pacific Ave	A	xxxxx	0.461	A	xxxxx	0.486	+ 0.025 V/C
# 26 3rd St & Pacific Ave	A	xxxxx	0.474	A	xxxxx	0.538	+ 0.064 V/C
# 27 Broadway & Pacific Ave	C	xxxxx	0.715	D	xxxxx	0.821	+ 0.106 V/C
# 28 Ocean Blvd & Pacific Ave	B	xxxxx	0.625	C	xxxxx	0.722	+ 0.097 V/C
# 29 4th St & Pine Ave	A	xxxxx	0.353	A	xxxxx	0.403	+ 0.051 V/C
# 30 3rd St & Pine Ave	A	xxxxx	0.388	A	xxxxx	0.488	+ 0.100 V/C
# 31 Broadway & Pine Ave	B	xxxxx	0.632	D	xxxxx	0.806	+ 0.174 V/C
# 32 Ocean Blvd & Pine Ave	C	xxxxx	0.714	E	xxxxx	0.990	+ 0.276 V/C
# 33 3rd St & Long Beach Blvd	A	xxxxx	0.549	B	xxxxx	0.638	+ 0.089 V/C
# 34 Broadway & Long Beach Blvd	A	xxxxx	0.453	A	xxxxx	0.524	+ 0.071 V/C
# 35 Ocean Blvd & Long Beach Blvd	C	xxxxx	0.709	D	xxxxx	0.879	+ 0.170 V/C
# 36 Ocean Blvd & Shoreline Ave	E	xxxxx	0.962	F	xxxxx	1.146	+ 0.184 V/C
# 37 7th St & Magnolia Ave	A	xxxxx	0.472	A	xxxxx	0.582	+ 0.110 V/C

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

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

Intersection #1 4th St & Golden Ave

Cycle (sec):	100	Critical Vol./Cap. (X):	0.046
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	7.0
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 0	0 1	0	0 0	1! 0	0	0 1	0 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 5:00												
Base Vol:	0	14	12	11	22	2	1	3	0	11	2	13
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	15	13	12	24	2	1	3	0	12	2	14
Added Vol:	0	0	0	0	0	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	15	13	12	24	2	1	3	0	12	2	14
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	0	16	14	13	26	2	1	4	0	13	2	15
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	16	14	13	26	2	1	4	0	13	2	15
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	16	14	13	26	2	1	4	0	13	2	15
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	0.54	0.46	0.31	0.63	0.06	0.25	0.75	0.00	0.42	0.08	0.50
Final Sat.:	0	514	440	279	557	51	215	644	0	391	71	462
Capacity Analysis Module:												
Vol/Sat:	xxxx	0.03	0.03	0.05	0.05	0.05	0.01	0.01	xxxx	0.03	0.03	0.03
Crit Moves:			****		****			****			****	
Delay/Veh:	0.0	6.9	6.9	7.2	7.2	7.2	7.1	7.1	0.0	7.0	7.0	7.0
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	6.9	6.9	7.2	7.2	7.2	7.1	7.1	0.0	7.0	7.0	7.0
LOS by Move:	*	A	A	A	A	A	A	A	*	A	A	A
ApproachDel:		6.9			7.2			7.1			7.0	
Delay Adj:		1.00			1.00			1.00			1.00	
ApprAdjDel:		6.9			7.2			7.1			7.0	
LOS by Appr:		A			A			A			A	

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #2 3rd St & Golden Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.398
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	24	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
Lanes:	0 1	0 0	0	0 0	0 1	0	0 0	0 0	0	1 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:15												
Base Vol:	5	6	0	0	1	18	0	0	0	3	746	28
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	5	6	0	0	1	19	0	0	0	3	798	30
Added Vol:	0	0	0	0	0	0	0	0	0	63	278	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	5	6	0	0	1	19	0	0	0	66	1076	30
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	6	7	0	0	1	21	0	0	0	73	1184	33
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	6	7	0	0	1	21	0	0	0	73	1184	33
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	6	7	0	0	1	21	0	0	0	73	1184	33
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:	0.45	0.55	0.00	0.00	0.05	0.95	0.00	0.00	0.00	1.00	1.95	0.05
Final Sat.:	727	873	0	0	84	1516	0	0	0	1600	3113	87
Capacity Analysis Module:												
Vol/Sat:	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.05	0.38	0.38
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 with Project
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Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #4 Ocean Blvd & Golden Shore Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.880
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	155	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			Prot+Permit			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 0	1	1 0	1 1	0	1 0	2 1	0	1 0	2 1	1
Volume Module: >> Count Date: 4 Nov 2003 << 4:45												
Base Vol:	177	551	132	11	7	1	113	1653	54	149	951	482
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	189	590	141	12	7	1	121	1769	58	159	1018	516
Added Vol:	0	0	0	0	0	0	64	240	0	0	246	188
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	189	590	141	12	7	1	185	2009	58	159	1264	704
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	209	649	156	13	8	1	204	2212	64	176	1392	775
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	209	649	156	13	8	1	204	2212	64	176	1392	775
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	209	649	156	13	8	1	204	2212	64	176	1392	775
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	1.00	1.00	1.00	1.75	0.25	1.00	2.92	0.08	1.00	2.57	1.43
Final Sat.:	1600	1600	1600	1600	2800	400	1600	4666	134	1600	4111	2289
Capacity Analysis Module:												
Vol/Sat:	0.13	0.41	0.10	0.01	0.00	0.00	0.13	0.47	0.47	0.11	0.34	0.34
Crit Moves:		****		****			****				****	

Long Beach West Gateway
Year 2010 with Project
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Level Of Service Computation Report
2000 HCM 4-Way Stop Method (Future Volume Alternative)

Intersection #5 4th St & Maine Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.089
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.3
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 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:15												
Base Vol:	12	17	19	7	8	3	2	19	5	10	35	15
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	13	18	20	7	9	3	2	20	5	11	37	16
Added Vol:	0	3	8	0	4	0	0	0	0	6	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	13	21	28	7	13	3	2	20	5	17	37	16
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	14	23	31	8	14	4	2	22	6	18	41	18
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	14	23	31	8	14	4	2	22	6	18	41	18
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	14	23	31	8	14	4	2	22	6	18	41	18
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:	0.21	0.34	0.45	0.32	0.54	0.14	0.08	0.73	0.19	0.24	0.53	0.23
Final Sat.:	185	304	407	271	454	116	66	632	166	208	466	200
Capacity Analysis Module:												
Vol/Sat:	0.08	0.08	0.08	0.03	0.03	0.03	0.04	0.04	0.04	0.09	0.09	0.09
Crit Moves:	****			****					****	****		
Delay/Veh:	7.2	7.2	7.2	7.3	7.3	7.3	7.2	7.2	7.2	7.4	7.4	7.4
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:	7.2	7.2	7.2	7.3	7.3	7.3	7.2	7.2	7.2	7.4	7.4	7.4
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	7.2			7.3			7.2			7.4		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	7.2			7.3			7.2			7.4		
LOS by Appr:	A			A			A			A		

Long Beach West Gateway
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Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #6 3rd St & Maine Ave

Average Delay (sec/veh): 11.8 Worst Case Level Of Service: F[71.2]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15																				
Base Vol:	78	49	0	0		19	16				0	0	0			39	665	31		
Growth Adj:	1.07	1.07	1.07	1.07		1.07	1.07				1.07	1.07	1.07			1.07	1.07	1.07		
Initial Bse:	83	52	0	0		20	17				0	0	0			42	712	33		
Added Vol:	54	8	0	0		5	4				0	0	0			6	284	5		
PasserByVol:	0	0	0	0		0	0				0	0	0			0	0	0		
Initial Fut:	137	60	0	0		25	21				0	0	0			48	996	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:	0.92	0.92	0.92	0.92		0.92	0.92				0.92	0.92	0.92			0.92	0.92	0.92		
PHF Volume:	149	65	0	0		27	23				0	0	0			52	1079	41		
Reduct Vol:	0	0	0	0		0	0				0	0	0			0	0	0		
Final Vol.:	149	65	0	0		27	23				0	0	0			52	1079	41		
Critical Gap Module:																				
Critical Gp:	7.1	6.5	xxxxx	xxxxx		6.5	6.2	xxxxx	xxxx	xxxxx						4.1	xxxx	xxxxx		
FollowUpTim:	3.5	4.0	xxxxx	xxxxx		4.0	3.3	xxxxx	xxxx	xxxxx						2.2	xxxx	xxxxx		
Capacity Module:																				
Cnflict Vol:	656	1223	xxxxx	xxxx		1203	560	xxxx	xxxx	xxxxx						0	xxxx	xxxxx		
Potent Cap.:	381	181	xxxxx	xxxx		186	532	xxxx	xxxx	xxxxx						900	xxxx	xxxxx		
Move Cap.:	307	170	xxxxx	xxxx		175	532	xxxx	xxxx	xxxxx						900	xxxx	xxxxx		
Volume/Cap:	0.48	0.38	xxxx	xxxx		0.16	0.04	xxxx	xxxx	xxxx						0.06	xxxx	xxxx		
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx						0.2	xxxx	xxxxx		
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx						9.2	xxxx	xxxxx		
LOS by Move:	*	*	*	*		*	*	*	*	*						A	*	*		
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	247	xxxx	xxxxx	xxxx		xxxx	252	xxxx	xxxx	xxxxx						xxxx	xxxx	xxxxx		
SharedQueue:	7.2	xxxx	xxxxx	xxxxx		xxxx	0.7	xxxxx	xxxx	xxxxx						xxxxx	xxxx	xxxxx		
Shrd StpDel:	71.2	xxxx	xxxxx	xxxxx		xxxx	22.8	xxxxx	xxxx	xxxxx						xxxxx	xxxx	xxxxx		
Shared LOS:	F	*	*	*		*	C	*	*	*						*	*	*		
ApproachDel:		71.2				22.8		xxxxxx								xxxxxx				
ApproachLOS:		F				C		*								*				

Long Beach West Gateway
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Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #7 Broadway & Maine Ave

Average Delay (sec/veh): OVERFLOW Worst Case Level Of Service: F[xxxxx]

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					Yield Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	0	0	1	0	0	1	0	0	0	1	0	2	1	0	0	0	0	0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:45																				
Base Vol:	0	52	124			13	10		0		30	1257		45		0	0		0	
Growth Adj:	1.07	1.07	1.07			1.07	1.07		1.07		1.07	1.07		1.07		1.07	1.07		1.07	
Initial Bse:	0	56	133			14	11		0		32	1345		48		0	0		0	
Added Vol:	0	0	0			9	0		0		62	502		0		0	0		0	
PasserByVol:	0	0	0			0	0		0		0	0		0		0	0		0	
Initial Fut:	0	56	133			23	11		0		94	1847		48		0	0		0	
User Adj:	1.00	1.00	1.00			1.00	1.00		1.00		1.00	1.00		1.00		1.00	1.00		1.00	
PHF Adj:	0.94	0.94	0.94			0.94	0.94		0.94		0.94	0.94		0.94		0.94	0.94		0.94	
PHF Volume:	0	59	142			24	11		0		101	1973		51		0	0		0	
Reduct Vol:	0	0	0			0	0		0		0	0		0		0	0		0	
Final Vol.:	0	59	142			24	11		0		101	1973		51		0	0		0	
Critical Gap Module:																				
Critical Gp:	xxxxx	6.5	6.2			7.1	6.5		xxxxx		4.1	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
FollowUpTim:	xxxxx	4.0	3.3			3.5	4.0		xxxxx		2.2	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Capacity Module:																				
Cnflict Vol:	xxxx	2200	683			889	2226		xxxxx		0	xxxx		xxxxx		xxxx	xxxx		xxxxx	
Potent Cap.:	xxxx	45	452			266	44		xxxxx		900	xxxx		xxxxx		xxxx	xxxx		xxxxx	
Move Cap.:	xxxx	40	452			0	39		xxxxx		900	xxxx		xxxxx		xxxx	xxxx		xxxxx	
Volume/Cap:	xxxx	1.48	0.31			xxxx	0.29		xxxx		0.11	xxxx		xxxx		xxxx	xxxx		xxxx	
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx			xxxxx	xxxx		xxxxx		0.4	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Stopped Del:	xxxxx	xxxx	xxxxx			xxxxx	xxxx		xxxxx		9.5	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
LOS by Move:	*	*	*			*	*		*		A	*		*		*	*		*	
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	xxxx	xxxx	112			0	xxxx	xxxxx			xxxx	xxxx		xxxxx		xxxx	xxxx		xxxxx	
SharedQueue:	xxxxx	xxxx	15.8			xxxxx	xxxx	xxxxx			xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Shrd StpDel:	xxxxx	xxxx	453.7			xxxxx	xxxx	xxxxx			xxxxx	xxxx		xxxxx		xxxxx	xxxx		xxxxx	
Shared LOS:	*	*	F			*	*		*		*	*		*		*	*		*	
ApproachDel:	453.7					xxxxxx					xxxxxx					xxxxxx				
ApproachLOS:	F					F					*					*				

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

Intersection #8 4th St & Daisy Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.123
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): 7.8
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 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 5:00												
Base Vol:	6	19	22	12	33	25	14	57	2	9	48	10
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	6	20	24	13	35	27	15	61	2	10	51	11
Added Vol:	0	12	9	0	12	0	1	7	0	6	6	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	6	32	33	13	47	27	16	68	2	16	57	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89	0.89
PHF Volume:	7	36	36	14	53	30	18	76	2	18	64	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	36	36	14	53	30	18	76	2	18	64	12
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	7	36	36	14	53	30	18	76	2	18	64	12
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:	0.09	0.45	0.46	0.15	0.54	0.31	0.19	0.79	0.02	0.19	0.68	0.13
Final Sat.:	75	376	378	120	444	251	146	622	20	149	547	102
Capacity Analysis Module:												
Vol/Sat:	0.10	0.10	0.10	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Crit Moves:	****			****			****			****		
Delay/Veh:	7.6	7.6	7.6	7.8	7.8	7.8	8.0	8.0	8.0	7.9	7.9	7.9
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:	7.6	7.6	7.6	7.8	7.8	7.8	8.0	8.0	8.0	7.9	7.9	7.9
LOS by Move:	A	A	A	A	A	A	A	A	A	A	A	A
ApproachDel:	7.6			7.8			8.0			7.9		
Delay Adj:	1.00			1.00			1.00			1.00		
ApprAdjDel:	7.6			7.8			8.0			7.9		
LOS by Appr:	A			A			A			A		

Long Beach West Gateway
Year 2010 with Project
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Level Of Service Computation Report
2000 HCM Unsignalized Method (Future Volume Alternative)

Intersection #9 3rd St & Daisy Ave

Average Delay (sec/veh): 3.0 Worst Case Level Of Service: D[26.9]

Approach:	North Bound					South Bound					East Bound					West Bound				
Movement:	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R	L	-	T	-	R
Control:	Stop Sign					Stop Sign					Uncontrolled					Uncontrolled				
Rights:	Include					Include					Include					Include				
Lanes:	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15																				
Base Vol:	26	15		0		0	19		33		0		0		0	19	688		26	
Growth Adj:	1.07	1.07		1.07		1.07	1.07		1.07		1.07		1.07		1.07	1.07	1.07		1.07	
Initial Bse:	28	16		0		0	20		35		0		0		0	20	736		28	
Added Vol:	14	16		0		0	9		9		0		0		0	0	290		6	
PasserByVol:	0	0		0		0	0		0		0		0		0	0	0		0	
Initial Fut:	42	32		0		0	29		44		0		0		0	20	1026		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:	0.87	0.87		0.87		0.87	0.87		0.87		0.87		0.87		0.87	0.87	0.87		0.87	
PHF Volume:	48	37		0		0	34		51		0		0		0	23	1178		39	
Reduct Vol:	0	0		0		0	0		0		0		0		0	0	0		0	
Final Vol.:	48	37		0		0	34		51		0		0		0	23	1178		39	
Critical Gap Module:																				
Critical Gp:	7.1	6.5	xxxxx	xxxxx		6.5	6.2	xxxxx	xxxx	xxxxx		4.1	xxxx	xxxxx						
FollowUpTim:	3.5	4.0	xxxxx	xxxxx		4.0	3.3	xxxxx	xxxx	xxxxx		2.2	xxxx	xxxxx						
Capacity Module:																				
Cnflict Vol:	456	1264	xxxxx	xxxx		1244	412	xxxx	xxxx	xxxxx		0	xxxx	xxxxx						
Potent Cap.:	518	171	xxxxx	xxxx		176	644	xxxx	xxxx	xxxxx		900	xxxx	xxxxx						
Move Cap.:	397	166	xxxxx	xxxx		171	644	xxxx	xxxx	xxxxx		900	xxxx	xxxxx						
Volume/Cap:	0.12	0.22	xxxx	xxxx		0.20	0.08	xxxx	xxxx	xxxx		0.03	xxxx	xxxx						
Level Of Service Module:																				
Queue:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx		0.1	xxxx	xxxxx						
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx		xxxx	xxxxx	xxxxx	xxxx	xxxxx		9.1	xxxx	xxxxx						
LOS by Move:	*	*	*	*		*	*	*	*	*		A	*	*						
Movement:	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT	LT	-	LTR	-	RT
Shared Cap.:	248	xxxx	xxxxx	xxxx		xxxx	306	xxxx	xxxx	xxxxx		xxxx	xxxx	xxxxx						
SharedQueue:	1.5	xxxx	xxxxx	xxxxx		xxxx	1.1	xxxxx	xxxx	xxxxx		0.1	xxxx	xxxxx						
Shrd StpDel:	26.9	xxxx	xxxxx	xxxxx		xxxx	21.2	xxxxx	xxxx	xxxxx		9.1	xxxx	xxxxx						
Shared LOS:	D	*	*	*		*	C	*	*	*		A	*	*						
ApproachDel:		26.9				21.2		xxxxxx				xxxxxx								
ApproachLOS:		D				C		*				*								

Long Beach West Gateway
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Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #10 Broadway & Daisy Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.343
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 22 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
Lanes:	0 0	0 1	0	1 0	0 0	0	0 1	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:00												
Base Vol:	0	8	46	29	0	0	18	1064	3	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	9	49	31	0	0	19	1138	3	0	0	0
Added Vol:	0	0	0	9	0	0	30	468	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	9	49	40	0	0	49	1606	3	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	0	9	53	43	0	0	53	1722	3	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	9	53	43	0	0	53	1722	3	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	9	53	43	0	0	53	1722	3	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	0.15	0.85	1.00	0.00	0.00	0.12	3.87	0.01	0.00	0.00	0.00
Final Sat.:	0	237	1363	1600	0	0	190	6198	12	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.04	0.04	0.03	0.00	0.00	0.03	0.28	0.28	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #11 6th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.688
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	0 0	0 1	0	1 0	1 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	0	351	44	47	282	0	43	1280	38	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	376	47	50	302	0	46	1370	41	0	0	0
Added Vol:	0	92	5	6	212	0	0	23	5	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	468	52	56	514	0	46	1393	46	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	0	481	54	58	529	0	47	1433	47	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	481	54	58	529	0	47	1433	47	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	481	54	58	529	0	47	1433	47	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	0.90	0.10	1.00	1.00	0.00	0.09	2.82	0.09	0.00	0.00	0.00
Final Sat.:	0	1440	160	1600	1600	0	149	4504	148	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.33	0.33	0.04	0.33	0.00	0.03	0.32	0.32	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

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

Intersection #12 5th St & Magnolia Ave

Average Delay (sec/veh): 2.2 Worst Case Level Of Service: D[28.4]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Uncontrolled			Uncontrolled			Stop Sign			Stop Sign		
Rights:	Include			Include			Include			Include		
Lanes:	1 0 0 1 0			1 0 0 1 0			0 0 1! 0 0			0 0 1! 0 0		
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	15	384	13	33	243	27	10	10	11	4	12	37
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	16	411	14	35	260	29	11	11	12	4	13	40
Added Vol:	0	97	0	1	216	0	0	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	16	508	14	36	476	29	11	11	12	4	13	40
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	18	564	15	40	529	32	12	12	13	5	14	44
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	18	564	15	40	529	32	12	12	13	5	14	44
Critical Gap Module:												
Critical Gp:	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx	7.1	6.5	6.2	7.1	6.5	6.2
FollowUpTim:	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx	3.5	4.0	3.3	3.5	4.0	3.3
Capacity Module:												
Cnflict Vol:	561	xxxx	xxxxx	580	xxxx	xxxxx	1262	1241	545	1246	1249	572
Potent Cap.:	1020	xxxx	xxxxx	1004	xxxx	xxxxx	148	176	542	152	174	523
Move Cap.:	1020	xxxx	xxxxx	1004	xxxx	xxxxx	121	166	542	134	165	523
Volume/Cap:	0.02	xxxx	xxxx	0.04	xxxx	xxxx	0.10	0.07	0.02	0.04	0.09	0.08
Level Of Service Module:												
Queue:	0.1	xxxx	xxxxx	0.1	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Stopped Del:	8.6	xxxx	xxxxx	8.7	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
LOS by Move:	A	*	*	A	*	*	*	*	*	*	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx	xxxx	190	xxxxx	xxxx	306	xxxxx
SharedQueue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	0.7	xxxxx	xxxxx	0.8	xxxxx
Shrd StpDel:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	28.4	xxxxx	xxxxx	19.8	xxxxx
Shared LOS:	*	*	*	*	*	*	*	D	*	*	C	*
ApproachDel:	xxxxxx			xxxxxx			28.4			19.8		
ApproachLOS:	*			*			D			C		

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #13 4th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.495
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	29	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
Lanes:	1 0	0 1	0	1 0	0 1	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:15												
Base Vol:	6	396	35	35	229	28	25	47	23	17	35	30
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	6	424	37	37	245	30	27	50	25	18	37	32
Added Vol:	0	86	1	0	206	10	11	5	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	6	510	38	37	451	40	38	55	25	18	38	32
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	7	567	43	42	502	44	42	62	27	20	43	36
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	7	567	43	42	502	44	42	62	27	20	43	36
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	7	567	43	42	502	44	42	62	27	20	43	36
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	0.93	0.07	1.00	0.92	0.08	0.32	0.47	0.21	0.20	0.44	0.36
Final Sat.:	1600	1488	112	1600	1470	130	513	752	335	328	693	579
Capacity Analysis Module:												
Vol/Sat:	0.00	0.38	0.38	0.03	0.34	0.34	0.03	0.08	0.08	0.01	0.06	0.06
Crit Moves:		****			****			****			****	

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #14 3rd St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.531
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	1 0	1 0	0	0 0	1 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	78	333	0	0	231	54	0	0	0	77	602	88
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	83	356	0	0	247	58	0	0	0	82	644	94
Added Vol:	17	60	0	0	83	119	0	0	0	18	176	29
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	100	416	0	0	330	177	0	0	0	100	820	123
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
PHF Volume:	112	463	0	0	367	197	0	0	0	112	912	137
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	112	463	0	0	367	197	0	0	0	112	912	137
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	112	463	0	0	367	197	0	0	0	112	912	137
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	1.00	0.00	0.00	1.30	0.70	0.00	0.00	0.00	0.29	2.36	0.35
Final Sat.:	1600	1600	0	0	2084	1116	0	0	0	462	3772	566
Capacity Analysis Module:												
Vol/Sat:	0.07	0.29	0.00	0.00	0.18	0.18	0.00	0.00	0.00	0.07	0.24	0.24
Crit Moves:		****		****							****	

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #15 Broadway & Magnolia Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.529
Loss Time (sec): 0 (Y+R = 4 sec) 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
Lanes:	0 0	1 1	0	0 1	1 0	0	0 1	2 0	1	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:00												
Base Vol:	0	353	106	49	228	0	57	892	182	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	378	113	52	244	0	61	954	195	0	0	0
Added Vol:	0	45	13	35	67	0	32	318	123	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	423	126	87	311	0	93	1272	318	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	0	438	131	91	322	0	96	1317	329	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	438	131	91	322	0	96	1317	329	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	438	131	91	322	0	96	1317	329	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	1.54	0.46	0.44	1.56	0.00	0.20	2.80	1.00	0.00	0.00	0.00
Final Sat.:	0	2463	737	702	2498	0	327	4473	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.18	0.18	0.06	0.13	0.00	0.06	0.29	0.21	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #16 Ocean Blvd & Magnolia Ave

Cycle (sec):	90	Critical Vol./Cap. (X):	0.785
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	67	Level Of Service:	C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	1	1 0	2 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	82	64	73	200	47	299	110	1594	30	68	1284	90
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	88	68	78	214	50	320	118	1706	32	73	1374	96
Added Vol:	0	0	0	118	0	72	20	220	0	0	362	38
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	88	68	78	332	50	392	138	1926	32	73	1736	134
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	91	71	81	346	52	409	144	2008	33	76	1810	140
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	91	71	81	346	52	409	144	2008	33	76	1810	140
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	91	71	81	346	52	409	144	2008	33	76	1810	140
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	1.00	1.00	2.00	1.00	1.00	2.95	0.05	1.00	3.00	1.00
Final Sat.:	1600	3200	1600	1600	3200	1600	1600	4721	79	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.06	0.02	0.05	0.22	0.02	0.26	0.09	0.43	0.43	0.05	0.38	0.09
Crit Moves:	****					****		****		****		

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

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

Intersection #17 4th St & Chestnut Ave

Average Delay (sec/veh): 3.8 Worst Case Level Of Service: B[11.9]

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Stop Sign			Stop Sign			Uncontrolled			Uncontrolled		
Rights:	Include			Include			Include			Include		
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:15												
Base Vol:	10	45	31	8	9	7	10	155	11	14	94	10
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	11	48	33	9	10	7	11	166	12	15	101	11
Added Vol:	0	3	0	0	6	0	0	6	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	11	51	33	9	16	7	11	172	12	15	102	11
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	12	56	36	9	17	8	12	189	13	16	112	12
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Final Vol.:	12	56	36	9	17	8	12	189	13	16	112	12
Critical Gap Module:												
Critical Gp:	7.1	6.5	6.2	7.1	6.5	6.2	4.1	xxxx	xxxxx	4.1	xxxx	xxxxx
FollowUpTim:	3.5	4.0	3.3	3.5	4.0	3.3	2.2	xxxx	xxxxx	2.2	xxxx	xxxxx
Capacity Module:												
Cnflict Vol:	382	375	195	416	376	118	123	xxxx	xxxxx	202	xxxx	xxxxx
Potent Cap.:	580	559	851	551	559	940	1476	xxxx	xxxxx	1382	xxxx	xxxxx
Move Cap.:	552	548	851	479	547	940	1476	xxxx	xxxxx	1382	xxxx	xxxxx
Volume/Cap:	0.02	0.10	0.04	0.02	0.03	0.01	0.01	xxxx	xxxx	0.01	xxxx	xxxx
Level Of Service Module:												
Queue:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	0.0	xxxx	xxxxx	0.0	xxxx	xxxxx
Stopped Del:	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx	7.5	xxxx	xxxxx	7.6	xxxx	xxxxx
LOS by Move:	*	*	*	*	*	*	A	*	*	A	*	*
Movement:	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT	LT -	LTR -	RT
Shared Cap.:	xxxx	626	xxxxx	xxxx	582	xxxxx	xxxx	xxxx	xxxxx	xxxx	xxxx	xxxxx
SharedQueue:	xxxxx	0.6	xxxxx	xxxxx	0.2	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shrd StpDel:	xxxxx	11.9	xxxxx	xxxxx	11.6	xxxxx	xxxxx	xxxx	xxxxx	xxxxx	xxxx	xxxxx
Shared LOS:	*	B	*	*	B	*	*	*	*	*	*	*
ApproachDel:		11.9			11.6			xxxxxx			xxxxxx	
ApproachLOS:		B			B			*			*	

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #18 3rd St & Chestnut Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.342
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	22	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	93	54	0	0	17	26	0	0	0	82	676	47
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	100	58	0	0	18	28	0	0	0	88	723	50
Added Vol:	7	3	0	0	0	6	0	0	0	0	199	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	107	61	0	0	18	34	0	0	0	88	922	50
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	114	65	0	0	19	36	0	0	0	94	986	54
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	114	65	0	0	19	36	0	0	0	94	986	54
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	114	65	0	0	19	36	0	0	0	94	986	54
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	1.00	0.00	0.00	0.35	0.65	0.00	0.00	0.00	0.25	2.61	0.14
Final Sat.:	1600	1600	0	0	560	1040	0	0	0	397	4175	228
Capacity Analysis Module:												
Vol/Sat:	0.07	0.04	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.06	0.24	0.24
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #19 Broadway & Chestnut Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.529
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 40 Level Of Service: A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Permitted			Protected		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	1	1 1	0 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	0	114	140	141	27	0	25	1216	4	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	122	150	151	29	0	27	1301	4	0	0	0
Added Vol:	0	0	0	0	0	0	10	323	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	122	150	151	29	0	37	1624	4	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	132	162	164	31	0	40	1762	5	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	132	162	164	31	0	40	1762	5	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	132	162	164	31	0	40	1762	5	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	0.90	1.10	1.68	0.32	0.00	0.07	2.92	0.01	0.00	0.00	0.00
Final Sat.:	0	1436	1764	2686	514	0	106	4682	12	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.09	0.09	0.06	0.06	0.00	0.02	0.38	0.38	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #20 4th St & Cedar Ave

Cycle (sec):	50	Critical Vol./Cap. (X):	0.215
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	18	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
Lanes:	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0	0 0	1! 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	8	59	19	13	28	13	13	147	7	9	88	28
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	9	63	20	14	30	14	14	157	7	10	94	30
Added Vol:	0	28	0	0	3	0	0	6	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	9	91	20	14	33	14	14	163	7	10	95	30
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	9	95	21	15	34	15	15	171	8	10	100	31
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	9	95	21	15	34	15	15	171	8	10	100	31
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	9	95	21	15	34	15	15	171	8	10	100	31
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:	0.07	0.76	0.17	0.23	0.54	0.23	0.08	0.88	0.04	0.07	0.71	0.22
Final Sat.:	114	1215	271	366	868	366	121	1415	65	114	1130	356
Capacity Analysis Module:												
Vol/Sat:	0.01	0.08	0.08	0.01	0.04	0.04	0.01	0.12	0.12	0.01	0.09	0.09
Crit Moves:		****		****				****		****		

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #21 3rd St & Cedar Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.353
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	22	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	64	42	0	0	29	30	0	0	0	42	683	56
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	68	45	0	0	31	32	0	0	0	45	731	60
Added Vol:	73	28	0	0	3	0	0	0	0	11	126	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	141	73	0	0	34	32	0	0	0	56	857	60
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	150	77	0	0	36	34	0	0	0	59	910	64
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	150	77	0	0	36	34	0	0	0	59	910	64
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	150	77	0	0	36	34	0	0	0	59	910	64
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	1.00	0.00	0.00	0.51	0.49	0.00	0.00	0.00	0.17	2.65	0.18
Final Sat.:	1600	1600	0	0	823	777	0	0	0	276	4228	296
Capacity Analysis Module:												
Vol/Sat:	0.09	0.05	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.04	0.22	0.22
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #22 Broadway & Cedar Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.480
Loss Time (sec):	0 (Y+R = 4 sec)	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:	Split Phase			Split Phase			Split Phase			Split Phase		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	1	1 1	0 0	0	0 1	1 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	0	58	125	33	2	0	28	1304	0	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	62	134	35	2	0	30	1395	0	0	0	0
Added Vol:	0	0	0	61	0	0	19	304	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	62	134	96	2	0	49	1699	0	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	0	65	141	101	2	0	52	1789	0	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	65	141	101	2	0	52	1789	0	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	65	141	101	2	0	52	1789	0	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	0.63	1.37	1.96	0.04	0.00	0.08	2.92	0.00	0.00	0.00	0.00
Final Sat.:	0	1014	2186	3130	70	0	134	4666	0	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.06	0.06	0.03	0.03	0.00	0.38	0.38	0.00	0.00	0.00	0.00
Crit Moves:		****			****		****					

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #23 7th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.577
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	36	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	1 1	0	0 0	0 0	0	1 0	3 0	1
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	56	463	0	0	321	50	0	0	0	110	859	107
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	60	495	0	0	343	53	0	0	0	118	919	114
Added Vol:	2	77	0	0	73	15	0	0	0	3	106	2
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	62	572	0	0	416	69	0	0	0	121	1025	116
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	68	629	0	0	458	75	0	0	0	133	1127	128
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	68	629	0	0	458	75	0	0	0	133	1127	128
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	68	629	0	0	458	75	0	0	0	133	1127	128
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	1.72	0.28	0.00	0.00	0.00	1.00	3.00	1.00
Final Sat.:	1600	3200	0	0	2748	452	0	0	0	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.04	0.20	0.00	0.00	0.17	0.17	0.00	0.00	0.00	0.08	0.23	0.08
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #24 6th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.763
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	54	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			Prot+Permit			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1 1	0	1 0	2 0	0	1 0	3 0	1	0 0	0 0	0
Volume Module: >> Count Date: 6 Nov 2003 << 4:30												
Base Vol:	0	491	155	98	314	0	46	1308	37	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	525	166	105	336	0	49	1400	40	0	0	0
Added Vol:	0	69	0	4	72	0	9	37	2	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	594	166	109	408	0	58	1437	42	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96	0.96
PHF Volume:	0	619	173	113	425	0	61	1496	43	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	619	173	113	425	0	61	1496	43	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	619	173	113	425	0	61	1496	43	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	1.56	0.44	1.00	2.00	0.00	1.00	3.00	1.00	0.00	0.00	0.00
Final Sat.:	0	2502	698	1600	3200	0	1600	4800	1600	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.25	0.25	0.07	0.13	0.00	0.04	0.31	0.03	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #25 4th St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.486
Loss Time (sec):	10 (Y+R = 4 sec)	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:	Prot+Permit			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	1 1	0	0 1	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 5:00												
Base Vol:	14	624	36	3	230	9	67	67	15	18	43	16
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	15	668	39	3	246	10	72	72	16	19	46	17
Added Vol:	0	66	0	0	73	1	3	3	0	0	1	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	15	734	39	3	319	11	75	75	16	19	47	17
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	16	789	41	3	343	11	80	80	17	21	51	18
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	16	789	41	3	343	11	80	80	17	21	51	18
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	16	789	41	3	343	11	80	80	17	21	51	18
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	1.90	0.10	0.02	1.92	0.06	1.00	0.82	0.18	1.00	0.73	0.27
Final Sat.:	1600	3040	160	31	3067	102	1600	1317	283	1600	1173	427
Capacity Analysis Module:												
Vol/Sat:	0.01	0.26	0.26	0.00	0.11	0.11	0.05	0.06	0.06	0.01	0.04	0.04
Crit Moves:		****					****				****	

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #26 3rd St & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.538
Loss Time (sec):	10 (Y+R = 4 sec)	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:	Protected			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	1 0	2 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	99	409	0	0	216	56	0	0	0	143	635	144
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	106	438	0	0	231	60	0	0	0	153	679	154
Added Vol:	18	52	0	0	64	10	0	0	0	11	119	14
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	124	490	0	0	295	70	0	0	0	164	798	168
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	135	534	0	0	322	76	0	0	0	179	871	183
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	135	534	0	0	322	76	0	0	0	179	871	183
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	135	534	0	0	322	76	0	0	0	179	871	183
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	2.00	1.00	0.00	0.00	0.00	1.00	2.48	0.52
Final Sat.:	1600	3200	0	0	3200	1600	0	0	0	1600	3965	835
Capacity Analysis Module:												
Vol/Sat:	0.08	0.17	0.00	0.00	0.10	0.05	0.00	0.00	0.00	0.11	0.22	0.22
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #27 Broadway & Pacific Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.821
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	64	Level Of Service:	D

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	2 0	1	1 0	2 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	0	432	221	118	178	0	88	1298	88	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	462	236	126	190	0	94	1389	94	0	0	0
Added Vol:	0	36	18	24	55	0	27	273	66	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	498	254	150	245	0	121	1662	160	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	545	278	164	268	0	132	1816	175	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	545	278	164	268	0	132	1816	175	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	545	278	164	268	0	132	1816	175	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	2.00	1.00	1.00	2.00	0.00	1.00	2.74	0.26	0.00	0.00	0.00
Final Sat.:	0	3200	1600	1600	3200	0	1600	4378	422	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.17	0.17	0.10	0.08	0.00	0.08	0.41	0.41	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #28 Ocean Blvd & Pacific Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.722
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 67 Level Of Service: C

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L	T	R	L	T	R	L	T	R	L	T	R
Control:	Permitted			Permitted			Prot+Permit			Prot+Permit		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	1! 0	0	1 1	0 0	1	1 0	2 1	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	14	9	20	156	1	196	171	1840	18	28	1168	120
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	15	10	21	167	1	210	183	1969	19	30	1250	128
Added Vol:	0	0	0	87	0	33	28	327	0	0	396	27
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	15	10	21	254	1	243	211	2296	19	30	1646	155
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	16	11	23	277	1	265	230	2504	21	33	1795	169
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	16	11	23	277	1	265	230	2504	21	33	1795	169
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	16	11	23	277	1	265	230	2504	21	33	1795	169
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:	0.33	0.21	0.46	1.99	0.01	1.00	1.00	2.98	0.02	1.00	3.00	1.00
Final Sat.:	521	335	744	3187	13	1600	1600	4760	40	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.01	0.03	0.03	0.09	0.09	0.17	0.14	0.53	0.53	0.02	0.37	0.11
Crit Moves:	****					****		****		****		

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #29 4th St & Pine Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.403
Loss Time (sec):	0 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	24	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
Lanes:	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0	1 0	0 1	0
Volume Module: >> Count Date: 6 Nov 2003 << 5:00												
Base Vol:	16	232	62	39	113	17	19	106	17	15	78	36
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	17	248	66	42	121	18	20	113	18	16	83	39
Added Vol:	0	69	0	0	93	1	3	0	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	17	317	66	42	214	19	23	113	18	16	83	39
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
PHF Volume:	19	359	75	47	242	22	26	128	21	18	94	44
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	19	359	75	47	242	22	26	128	21	18	94	44
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	19	359	75	47	242	22	26	128	21	18	94	44
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	0.83	0.17	1.00	0.92	0.08	1.00	0.86	0.14	1.00	0.68	0.32
Final Sat.:	1600	1323	277	1600	1468	132	1600	1379	221	1600	1095	505
Capacity Analysis Module:												
Vol/Sat:	0.01	0.27	0.27	0.03	0.16	0.16	0.02	0.09	0.09	0.01	0.09	0.09
Crit Moves:		****		****			****				****	

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #30 3rd St & Pine Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.488
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 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
Lanes:	1 0	1 0	0	0 0	1 0	1	0 0	0 0	0	1 0	3 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 4:30												
Base Vol:	71	188	0	0	193	51	0	0	0	91	791	133
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	76	201	0	0	207	55	0	0	0	97	846	142
Added Vol:	25	58	0	0	84	8	0	0	0	38	111	11
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	101	259	0	0	291	63	0	0	0	135	957	153
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	111	285	0	0	319	69	0	0	0	149	1052	168
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	111	285	0	0	319	69	0	0	0	149	1052	168
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	111	285	0	0	319	69	0	0	0	149	1052	168
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	1.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	1.00	3.00	1.00
Final Sat.:	1600	1600	0	0	1600	1600	0	0	0	1600	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.07	0.18	0.00	0.00	0.20	0.04	0.00	0.00	0.00	0.09	0.22	0.11
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #31 Broadway & Pine Ave

Cycle (sec): 75 Critical Vol./Cap. (X): 0.806
Loss Time (sec): 0 (Y+R = 4 sec) 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			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 1	0	1 0	1 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	0	185	119	66	103	0	40	1458	83	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	198	127	71	110	0	43	1560	89	0	0	0
Added Vol:	0	44	57	65	48	0	28	275	6	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	242	184	136	158	0	71	1835	95	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	0	259	197	145	169	0	76	1963	101	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	259	197	145	169	0	76	1963	101	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	259	197	145	169	0	76	1963	101	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	0.57	0.43	1.00	1.00	0.00	1.00	2.85	0.15	0.00	0.00	0.00
Final Sat.:	0	908	692	1600	1600	0	1600	4564	236	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.28	0.28	0.09	0.11	0.00	0.05	0.43	0.43	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #32 Ocean Blvd & Pine Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 0.990
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: E

Approach:	North Bound						South Bound						East Bound						West Bound					
Movement:	L	-	T	-	R		L	-	T	-	R		L	-	T	-	R		L	-	T	-	R	
Control:	Permitted						Permitted						Permitted						Permitted					
Rights:	Include						Include						Include						Include					
Min. Green:	0	0	0	0	0		0	0	0	0	0		0	0	0	0	0		0	0	0	0	0	
Lanes:	1	0	1	0	1		0	1	0	0	1		1	0	2	1	0		1	0	3	0	1	
Volume Module: >> Count Date: 4 Nov 2003 << 4:30																								
Base Vol:	98	84	108	137	65	132	79	1885	92	56	1124	131												
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07												
Initial Bse:	105	90	116	147	70	141	85	2017	98	60	1203	140												
Added Vol:	150	17	72	14	29	11	35	230	149	101	261	49												
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0												
Initial Fut:	255	107	188	161	99	152	120	2247	247	161	1464	189												
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00												
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95												
PHF Volume:	268	112	197	169	104	160	126	2363	260	169	1539	199												
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0												
Reduced Vol:	268	112	197	169	104	160	126	2363	260	169	1539	199												
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00												
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00												
Final Vol.:	268	112	197	169	104	160	126	2363	260	169	1539	199												
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	1.00	1.00	0.62	0.38	1.00	1.00	2.70	0.30	1.00	3.00	1.00												
Final Sat.:	1600	1600	1600	992	608	1600	1600	4324	476	1600	4800	1600												
Capacity Analysis Module:																								
Vol/Sat:	0.17	0.07	0.12	0.11	0.17	0.10	0.08	0.55	0.55	0.11	0.32	0.12												
Crit Moves:	****				****				****			****												

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #33 3rd St & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.638
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	40	Level Of Service:	B

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Protected			Permitted			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	1 0	2 0	0	0 0	2 0	1	0 0	0 0	0	0 1	2 0	1
Volume Module: >> Count Date: 5 Nov 2003 << 4:00												
Base Vol:	157	471	0	0	412	169	0	0	0	88	588	168
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	168	504	0	0	441	181	0	0	0	94	629	180
Added Vol:	91	131	0	0	75	65	0	0	0	0	18	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	259	635	0	0	516	246	0	0	0	94	647	180
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
PHF Volume:	273	671	0	0	545	260	0	0	0	99	683	190
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	273	671	0	0	545	260	0	0	0	99	683	190
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	273	671	0	0	545	260	0	0	0	99	683	190
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	2.00	1.00	0.00	0.00	0.00	0.38	2.62	1.00
Final Sat.:	1600	3200	0	0	3200	1600	0	0	0	610	4190	1600
Capacity Analysis Module:												
Vol/Sat:	0.17	0.21	0.00	0.00	0.17	0.16	0.00	0.00	0.00	0.06	0.16	0.12
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #34 Broadway & Long Beach Blvd

Cycle (sec):	75	Critical Vol./Cap. (X):	0.524
Loss Time (sec):	10 (Y+R = 4 sec)	Average Delay (sec/veh):	xxxxxx
Optimal Cycle:	40	Level Of Service:	A

Approach:	North Bound			South Bound			East Bound			West Bound		
Movement:	L -	T -	R	L -	T -	R	L -	T -	R	L -	T -	R
Control:	Permitted			Protected			Permitted			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	2 0	1	2 0	2 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:30												
Base Vol:	0	235	55	89	424	0	67	504	183	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	251	59	95	454	0	72	539	196	0	0	0
Added Vol:	0	64	0	0	75	0	158	90	114	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	315	59	95	529	0	230	629	310	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	0	342	64	103	573	0	249	682	336	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	342	64	103	573	0	249	682	336	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	342	64	103	573	0	249	682	336	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	2.00	1.00	2.00	2.00	0.00	1.00	2.01	0.99	0.00	0.00	0.00
Final Sat.:	0	3200	1600	3200	3200	0	1600	3216	1584	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.11	0.04	0.03	0.18	0.00	0.16	0.21	0.21	0.00	0.00	0.00
Crit Moves:					****			****				

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #35 Ocean Blvd & Long Beach Blvd

Cycle (sec): 90 Critical Vol./Cap. (X): 0.879
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 154 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			Protected			Permitted		
Rights:	Include			Include			Include			Include		
Min. Green:	0	0	0	0	0	0	0	0	0	0	0	0
Lanes:	0 0	0 0	0	1 0	1! 0	1	1 0	3 0	0	0 0	3 0	1
Volume Module: >> Count Date: 4 Nov 2003 << 7:15												
Base Vol:	0	0	0	128	0	247	192	1664	0	0	853	102
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	0	0	137	0	264	205	1780	0	0	913	109
Added Vol:	0	0	0	57	0	131	48	269	0	0	281	17
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	0	0	194	0	395	253	2049	0	0	1194	126
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
PHF Volume:	0	0	0	213	0	435	279	2255	0	0	1313	139
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	0	0	213	0	435	279	2255	0	0	1313	139
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	0	0	213	0	435	279	2255	0	0	1313	139
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	0.00	0.00	1.00	0.00	2.00	1.00	3.00	0.00	0.00	3.00	1.00
Final Sat.:	0	0	0	1600	0	3200	1600	4800	0	0	4800	1600
Capacity Analysis Module:												
Vol/Sat:	0.00	0.00	0.00	0.13	0.00	0.14	0.17	0.47	0.00	0.00	0.27	0.09
Crit Moves:						****		****			****	

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #36 Ocean Blvd & Shoreline Ave

Cycle (sec): 90 Critical Vol./Cap. (X): 1.146
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 180 Level Of Service: F

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
Lanes:	1 0	3 0	1	1 0	2 1	0	1 0	2 1	0	2 0	1 1	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:45												
Base Vol:	53	622	550	92	93	141	310	1669	30	154	834	59
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	57	666	589	98	100	151	332	1786	32	165	892	63
Added Vol:	0	25	143	2	34	56	31	167	0	189	216	3
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	57	691	732	100	134	207	363	1953	32	354	1108	66
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.97
PHF Volume:	58	710	753	103	137	213	373	2009	33	364	1140	68
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	58	710	753	103	137	213	373	2009	33	364	1140	68
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	58	710	753	103	137	213	373	2009	33	364	1140	68
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	3.00	1.00	1.00	2.00	1.00	1.00	2.95	0.05	2.00	1.89	0.11
Final Sat.:	1600	4800	1600	1600	3200	1600	1600	4722	78	3200	3020	180
Capacity Analysis Module:												
Vol/Sat:	0.04	0.15	0.47	0.06	0.04	0.13	0.23	0.43	0.43	0.11	0.38	0.38
Crit Moves:			****	****			****				****	

Long Beach West Gateway
Year 2010 with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #37 7th St & Magnolia Ave

Cycle (sec):	75	Critical Vol./Cap. (X):	0.582
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	1 0	1 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 6 Nov 2003 << 5:00												
Base Vol:	77	275	0	0	284	46	0	0	0	77	612	90
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	82	294	0	0	304	49	0	0	0	82	655	96
Added Vol:	3	89	0	0	119	0	0	0	0	100	25	6
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	85	383	0	0	423	49	0	0	0	182	680	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:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	90	406	0	0	448	52	0	0	0	193	720	108
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	90	406	0	0	448	52	0	0	0	193	720	108
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	90	406	0	0	448	52	0	0	0	193	720	108
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	1.00	0.00	0.00	0.90	0.10	0.00	0.00	0.00	0.57	2.11	0.32
Final Sat.:	1600	1600	0	0	1433	167	0	0	0	908	3383	509
Capacity Analysis Module:												
Vol/Sat:	0.06	0.25	0.00	0.00	0.31	0.31	0.00	0.00	0.00	0.12	0.21	0.21
Crit Moves:	****				****						****	

CAPCITY ANALYSES

YEAR 2010 – WITH-PROJECT WITH ADDITIONAL TRAFFIC SIGNALS

Long Beach West Gateway
Year 2010 with Mitigation with Project
AM Peak Hour

Scenario Report

Scenario:	2010 AM Project
Command:	2010 AM Project
Volume:	2010 AM Peak
Geometry:	Existing
Impact Fee:	Default Impact Fee
Trip Generation:	Default Trip Generation
Trip Distribution:	Default Trip Distribution
Paths:	Default Paths
Routes:	Default Routes
Configuration:	Default Configuration

Long Beach West Gateway
Year 2010 with Mitigation with Project
AM Peak Hour

Turning Movement Report
2010 AM Peak

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#1 4th St & Golden Ave													
Base	0	0	5	2	11	1	0	0	2	28	0	7	57
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	5	2	11	1	0	0	2	28	0	7	57
#2 3rd St & Golden Ave													
Base	2	2	0	0	6	34	0	0	0	11	1090	33	1179
Added	0	0	0	0	0	0	0	0	0	19	303	0	322
Total	2	2	0	0	6	34	0	0	0	30	1393	33	1501
#3 Broadway & Golden Shore Ave													
Base	0	0	0	179	0	0	0	1413	0	0	0	0	1592
Added	0	0	0	19	0	0	0	320	0	0	0	0	339
Total	0	0	0	198	0	0	0	1733	0	0	0	0	1931
#4 Ocean Blvd & Golden Shore Ave													
Base	9	34	82	4	93	41	108	774	85	178	1680	615	3702
Added	0	0	0	0	0	0	42	81	0	0	187	155	465
Total	9	34	82	4	93	41	150	855	85	178	1867	770	4167
#5 4th St & Maine Ave													
Base	0	16	11	4	13	2	1	24	10	18	16	9	123
Added	0	3	10	0	20	0	0	0	0	2	0	0	35
Total	0	19	21	4	33	2	1	24	10	20	16	9	158
#6 3rd St & Maine Ave													
Base	24	13	0	0	11	24	0	0	0	75	1094	25	1264
Added	101	3	0	0	22	4	0	0	0	42	217	7	396
Total	125	16	0	0	33	28	0	0	0	117	1311	32	1660
#7 Broadway & Maine Ave													
Base	0	9	30	16	53	0	10	1374	209	0	0	0	1700
Added	0	0	0	31	0	0	123	333	0	0	0	0	487
Total	0	9	30	47	53	0	133	1707	209	0	0	0	2187
#8 4th St & Daisy Ave													
Base	1	12	12	6	18	2	2	46	2	12	26	11	150
Added	0	16	12	0	4	0	1	9	0	2	2	0	46
Total	1	28	24	6	22	2	3	55	2	14	28	11	196
#9 3rd St & Daisy Ave													
Base	16	15	0	0	16	27	0	0	0	40	1143	24	1280
Added	14	6	0	0	12	12	0	0	0	0	219	7	270
Total	30	21	0	0	28	39	0	0	0	40	1362	31	1550

Long Beach West Gateway
Year 2010 with Mitigation with Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#10 Broadway & Daisy Ave													
Base	0	1	7	30	20	0	22	1450	27	0	0	0	1558
Added	0	0	0	12	0	0	19	385	0	0	0	0	416
Total	0	1	7	42	20	0	41	1835	27	0	0	0	1974
#11 6th St & Magnolia Ave													
Base	0	201	55	65	480	0	76	424	36	0	0	0	1337
Added	0	85	7	2	111	0	0	24	8	0	0	0	237
Total	0	286	62	67	591	0	76	448	44	0	0	0	1575
#12 5th St & Magnolia Ave													
Base	5	239	3	9	508	24	3	1	17	9	2	6	826
Added	0	91	0	0	119	0	0	0	0	0	0	1	211
Total	5	330	3	9	627	24	3	1	17	9	2	7	1037
#13 4th St & Magnolia Ave													
Base	4	104	20	17	473	10	11	25	14	18	20	14	730
Added	0	76	2	0	115	4	15	6	0	0	1	0	219
Total	4	180	22	17	588	14	26	31	14	18	21	14	949
#14 3rd St & Magnolia Ave													
Base	87	168	0	0	554	71	0	0	0	255	1067	73	2274
Added	14	50	0	0	42	81	0	0	0	12	113	19	331
Total	101	218	0	0	596	152	0	0	0	267	1180	92	2605
#15 Broadway & Magnolia Ave													
Base	0	72	147	26	589	0	14	1044	429	0	0	0	2320
Added	0	23	29	29	25	0	40	260	134	0	0	0	540
Total	0	95	176	55	614	0	54	1304	563	0	0	0	2860
#16 Ocean Blvd & Magnolia Ave													
Base	21	22	25	203	162	305	132	784	27	143	1835	273	3932
Added	0	0	0	67	0	91	32	49	0	0	250	21	510
Total	21	22	25	270	162	396	164	833	27	143	2085	294	4442
#17 4th St & Chestnut Ave													
Base	10	28	25	6	37	9	6	66	14	9	39	6	255
Added	0	4	0	0	2	0	0	8	0	0	1	0	15
Total	10	32	25	6	39	9	6	74	14	9	40	6	270
#18 3rd St & Chestnut Ave													
Base	28	30	0	0	30	49	0	0	0	150	1341	21	1649
Added	9	4	0	0	0	2	0	0	0	0	103	0	118
Total	37	34	0	0	30	51	0	0	0	150	1444	21	1767

Long Beach West Gateway
Year 2010 with Mitigation with Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#19 Broadway & Chestnut Ave													
Base	0	33	47	98	24	0	37	957	24	0	0	0	1220
Added	0	0	0	0	0	0	13	316	0	0	0	0	329
Total	0	33	47	98	24	0	50	1273	24	0	0	0	1549
#20 4th St & Cedar Ave													
Base	2	28	15	10	35	4	7	62	6	6	64	19	260
Added	0	4	0	0	16	0	0	8	0	0	1	0	29
Total	2	32	15	10	51	4	7	70	6	6	65	19	289
#21 3rd St & Cedar Ave													
Base	36	16	0	0	26	75	0	0	0	209	1419	46	1826
Added	10	4	0	0	16	0	0	0	0	58	93	0	181
Total	46	20	0	0	42	75	0	0	0	267	1512	46	2007
#22 Broadway & Cedar Ave													
Base	0	1	3	132	10	0	16	838	228	0	0	0	1227
Added	0	0	0	9	0	0	102	214	0	0	0	0	325
Total	0	1	3	141	10	0	118	1052	228	0	0	0	1552
#23 7th St & Pacific Ave													
Base	47	193	0	0	417	60	0	0	0	193	1425	108	2443
Added	2	55	0	0	26	19	0	0	0	9	64	2	177
Total	49	248	0	0	443	79	0	0	0	202	1489	110	2620
#24 6th St & Pacific Ave													
Base	0	178	102	88	433	0	30	640	22	0	0	0	1493
Added	0	55	0	1	34	0	2	25	1	0	0	0	118
Total	0	233	102	89	467	0	32	665	23	0	0	0	1611
#25 4th St & Pacific Ave													
Base	10	161	18	1	496	9	12	31	36	16	67	9	866
Added	0	50	0	0	35	0	4	4	0	0	0	0	93
Total	10	211	18	1	531	9	16	35	36	16	67	9	959
#26 3rd St & Pacific Ave													
Base	61	117	0	0	347	126	0	0	0	61	1511	35	2258
Added	17	40	0	0	16	19	0	0	0	6	119	10	227
Total	78	157	0	0	363	145	0	0	0	67	1630	45	2485
#27 Broadway & Pacific Ave													
Base	0	173	52	85	408	0	25	752	202	0	0	0	1697
Added	0	27	5	18	15	0	20	186	17	0	0	0	288
Total	0	200	57	103	423	0	45	938	219	0	0	0	1985

Long Beach West Gateway
Year 2010 with Mitigation with Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#28 Ocean Blvd & Pacific Ave													
Base	7	2	6	104	3	307	219	719	22	32	1868	196	3487
Added	0	0	0	22	0	10	7	110	0	0	265	26	440
Total	7	2	6	126	3	317	226	829	22	32	2133	222	3927
#29 4th St & Pine Ave													
Base	6	117	25	19	162	21	13	48	15	12	67	19	524
Added	0	51	0	0	29	0	4	0	0	0	0	0	84
Total	6	168	25	19	191	21	17	48	15	12	67	19	608
#30 3rd St & Pine Ave													
Base	55	103	0	0	135	65	0	0	0	76	1548	59	2040
Added	8	40	0	0	24	6	0	0	0	24	121	11	234
Total	63	143	0	0	159	71	0	0	0	100	1669	70	2274
#31 Broadway & Pine Ave													
Base	0	110	43	53	189	0	29	760	105	0	0	0	1289
Added	0	31	21	23	16	0	31	170	1	0	0	0	293
Total	0	141	64	77	205	0	60	930	106	0	0	0	1582
#32 Ocean Blvd & Pine Ave													
Base	44	44	35	40	41	89	71	717	92	46	2024	152	3394
Added	47	5	25	9	4	5	15	95	21	14	239	32	511
Total	91	49	60	49	45	94	86	812	113	60	2263	184	3905
#33 3rd St & Long Beach Blvd													
Base	73	253	0	0	426	187	0	0	0	89	1471	139	2638
Added	64	91	0	0	16	42	0	0	0	0	32	0	245
Total	137	344	0	0	442	229	0	0	0	89	1503	139	2883
#34 Broadway & Long Beach Blvd													
Base	0	402	68	207	304	0	216	1409	89	0	0	0	2695
Added	0	34	0	0	16	0	121	82	82	0	0	0	335
Total	0	436	68	207	320	0	337	1491	171	0	0	0	3030
#35 Ocean Blvd & Long Beach Blvd													
Base	0	0	0	47	0	262	141	521	0	0	2059	107	3137
Added	0	0	0	31	0	67	11	118	0	0	218	23	468
Total	0	0	0	78	0	329	152	639	0	0	2277	130	3605
#36 Ocean Blvd & Shoreline Ave													
Base	28	77	134	52	290	323	114	462	14	456	1889	59	3898
Added	0	2	16	2	3	12	28	133	0	24	83	1	304
Total	28	79	150	54	293	335	142	595	14	480	1972	60	4202

Long Beach West Gateway
Year 2010 with Mitigation with Project
AM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#37 7th St & Magnolia Ave													
Base	61	161	0	0	264	65	0	0	0	197	1426	63	2237
Added	4	81	0	0	52	0	0	0	0	61	11	8	217
Total	65	242	0	0	316	65	0	0	0	258	1437	71	2454
#41 6th Street and Cedar Ave													
Base	0	0	0	0	0	0	0	0	0	0	0	0	0
Added	0	2	2	0	9	0	0	27	7	0	0	0	47
Total	0	2	2	0	9	0	0	27	7	0	0	0	47
#43 5th Street & Cedar Ave													
Base	0	0	0	0	0	0	0	0	0	0	0	0	0
Added	0	4	0	0	16	0	0	0	0	0	1	0	21
Total	0	4	0	0	16	0	0	0	0	0	1	0	21

Long Beach West Gateway
Year 2010 with Mitigation with Project
AM Peak Hour

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 6 3rd St & Maine Ave	A	xxxxx	0.386	A	xxxxx	0.535	+ 0.149 V/C
# 7 Broadway & Maine Ave	A	xxxxx	0.402	A	xxxxx	0.498	+ 0.096 V/C
# 9 3rd St & Daisy Ave	A	xxxxx	0.358	A	xxxxx	0.446	+ 0.088 V/C

Long Beach West Gateway
Year 2010 with Mitigation with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #6 3rd St & Maine Ave

Cycle (sec):	100	Critical Vol./Cap. (X):	0.535
Loss Time (sec):	0 (Y+R = 4 sec)	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
Lanes:	0 1	0 0	0	0 0	0 1	0	0 0	0 0	0	1 0	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:15												
Base Vol:	22	12	0	0	10	22	0	0	0	70	1022	23
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	24	13	0	0	11	24	0	0	0	75	1094	25
Added Vol:	101	3	0	0	22	4	0	0	0	42	217	7
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	125	16	0	0	33	28	0	0	0	117	1311	32
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:	125	16	0	0	33	28	0	0	0	117	1311	32
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	125	16	0	0	33	28	0	0	0	117	1311	32
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	125	16	0	0	33	28	0	0	0	117	1311	32
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:	0.89	0.11	0.00	0.00	0.54	0.46	0.00	0.00	0.00	1.00	1.95	0.05
Final Sat.:	1419	181	0	0	869	731	0	0	0	1600	3125	75
Capacity Analysis Module:												
Vol/Sat:	0.08	0.09	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.07	0.42	0.42
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 with Mitigation with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #7 Broadway & Maine Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.498
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 29 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
Lanes:	0 0	0 1	0	0 1	0 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 7:45												
Base Vol:	0	8	28	15	50	0	9	1284	195	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	9	30	16	53	0	10	1374	209	0	0	0
Added Vol:	0	0	0	31	0	0	123	333	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	9	30	47	53	0	133	1707	209	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
PHF Volume:	0	9	32	51	58	0	143	1839	225	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	9	32	51	58	0	143	1839	225	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	9	32	51	58	0	143	1839	225	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	0.22	0.78	0.47	0.53	0.00	1.00	2.67	0.33	0.00	0.00	0.00
Final Sat.:	0	356	1244	749	851	0	1600	4277	523	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.03	0.03	0.03	0.07	0.00	0.09	0.43	0.43	0.00	0.00	0.00
Crit Moves:	****				****			****				

Long Beach West Gateway
Year 2010 with Mitigation with Project
AM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #9 3rd St & Daisy Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.446
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 26 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
Lanes:	0 1	0 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 7:15												
Base Vol:	15	14	0	0	15	25	0	0	0	37	1068	22
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	16	15	0	0	16	27	0	0	0	40	1143	24
Added Vol:	14	6	0	0	12	12	0	0	0	0	219	7
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	30	21	0	0	28	39	0	0	0	40	1362	31
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
PHF Volume:	37	26	0	0	35	48	0	0	0	49	1694	38
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	37	26	0	0	35	48	0	0	0	49	1694	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
Final Vol.:	37	26	0	0	35	48	0	0	0	49	1694	38
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:	0.59	0.41	0.00	0.00	0.42	0.58	0.00	0.00	0.00	0.08	2.86	0.06
Final Sat.:	942	658	0	0	672	928	0	0	0	133	4565	102
Capacity Analysis Module:												
Vol/Sat:	0.02	0.04	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.03	0.37	0.37
Crit Moves:	****				****						****	

Long Beach West Gateway
Year 2010 with Mitigation with Project
PM Peak Hour

Scenario Report

Scenario:	2010 PM Project
Command:	2010 PM Project
Volume:	2010 PM Peak
Geometry:	Existing
Impact Fee:	Default Impact Fee
Trip Generation:	Default Trip Generation
Trip Distribution:	Default Trip Distribution
Paths:	Default Paths
Routes:	Default Routes
Configuration:	Default Configuration

Long Beach West Gateway
Year 2010 with Mitigation with Project
PM Peak Hour

Turning Movement Report
2010 PM Peak

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#1 4th St & Golden Ave													
Base	0	15	13	12	24	2	1	3	0	12	2	14	97
Added	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	15	13	12	24	2	1	3	0	12	2	14	97
#2 3rd St & Golden Ave													
Base	5	6	0	0	1	19	0	0	0	3	798	30	863
Added	0	0	0	0	0	0	0	0	0	63	278	0	341
Total	5	6	0	0	1	19	0	0	0	66	1076	30	1204
#3 Broadway & Golden Shore Ave													
Base	0	0	0	60	0	0	0	1365	0	0	0	0	1425
Added	0	0	0	63	0	0	0	532	0	0	0	0	595
Total	0	0	0	123	0	0	0	1897	0	0	0	0	2020
#4 Ocean Blvd & Golden Shore Ave													
Base	189	590	141	12	7	1	121	1769	58	159	1018	516	4581
Added	0	0	0	0	0	0	64	240	0	0	246	188	738
Total	189	590	141	12	7	1	185	2009	58	159	1264	704	5319
#5 4th St & Maine Ave													
Base	13	18	20	7	9	3	2	20	5	11	37	16	163
Added	0	3	8	0	4	0	0	0	0	6	0	0	21
Total	13	21	28	7	13	3	2	20	5	17	37	16	184
#6 3rd St & Maine Ave													
Base	83	52	0	0	20	17	0	0	0	42	712	33	960
Added	54	8	0	0	5	4	0	0	0	6	284	5	366
Total	137	60	0	0	25	21	0	0	0	48	996	38	1326
#7 Broadway & Maine Ave													
Base	0	56	133	14	11	0	32	1345	48	0	0	0	1638
Added	0	0	0	9	0	0	62	502	0	0	0	0	573
Total	0	56	133	23	11	0	94	1847	48	0	0	0	2211
#8 4th St & Daisy Ave													
Base	6	20	24	13	35	27	15	61	2	10	51	11	275
Added	0	12	9	0	12	0	1	7	0	6	6	0	53
Total	6	32	33	13	47	27	16	68	2	16	57	11	328
#9 3rd St & Daisy Ave													
Base	28	16	0	0	20	35	0	0	0	20	736	28	884
Added	14	16	0	0	9	9	0	0	0	0	290	6	344
Total	42	32	0	0	29	44	0	0	0	20	1026	34	1228

Long Beach West Gateway
Year 2010 with Mitigation with Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#10 Broadway & Daisy Ave													
Base	0	9	49	31	0	0	19	1138	3	0	0	0	1250
Added	0	0	0	9	0	0	30	468	0	0	0	0	507
Total	0	9	49	40	0	0	49	1606	3	0	0	0	1757
#11 6th St & Magnolia Ave													
Base	0	376	47	50	302	0	46	1370	41	0	0	0	2231
Added	0	92	5	6	212	0	0	23	5	0	0	0	343
Total	0	468	52	56	514	0	46	1393	46	0	0	0	2574
#12 5th St & Magnolia Ave													
Base	16	411	14	35	260	29	11	11	12	4	13	40	855
Added	0	97	0	1	216	0	0	0	0	0	0	0	314
Total	16	508	14	36	476	29	11	11	12	4	13	40	1169
#13 4th St & Magnolia Ave													
Base	6	424	37	37	245	30	27	50	25	18	37	32	969
Added	0	86	1	0	206	10	11	5	0	0	1	0	320
Total	6	510	38	37	451	40	38	55	25	18	38	32	1289
#14 3rd St & Magnolia Ave													
Base	83	356	0	0	247	58	0	0	0	82	644	94	1565
Added	17	60	0	0	83	119	0	0	0	18	176	29	502
Total	100	416	0	0	330	177	0	0	0	100	820	123	2067
#15 Broadway & Magnolia Ave													
Base	0	378	113	52	244	0	61	954	195	0	0	0	1998
Added	0	45	13	35	67	0	32	318	123	0	0	0	633
Total	0	423	126	87	311	0	93	1272	318	0	0	0	2631
#16 Ocean Blvd & Magnolia Ave													
Base	88	68	78	214	50	320	118	1706	32	73	1374	96	4217
Added	0	0	0	118	0	72	20	220	0	0	362	38	830
Total	88	68	78	332	50	392	138	1926	32	73	1736	134	5047
#17 4th St & Chestnut Ave													
Base	11	48	33	9	10	7	11	166	12	15	101	11	432
Added	0	3	0	0	6	0	0	6	0	0	1	0	16
Total	11	51	33	9	16	7	11	172	12	15	102	11	448
#18 3rd St & Chestnut Ave													
Base	100	58	0	0	18	28	0	0	0	88	723	50	1065
Added	7	3	0	0	0	6	0	0	0	0	199	0	215
Total	107	61	0	0	18	34	0	0	0	88	922	50	1280

Long Beach West Gateway
Year 2010 with Mitigation with Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#19 Broadway & Chestnut Ave													
Base	0	122	150	151	29	0	27	1301	4	0	0	0	1784
Added	0	0	0	0	0	0	10	323	0	0	0	0	333
Total	0	122	150	151	29	0	37	1624	4	0	0	0	2117
#20 4th St & Cedar Ave													
Base	9	63	20	14	30	14	14	157	7	10	94	30	462
Added	0	28	0	0	3	0	0	6	0	0	1	0	38
Total	9	91	20	14	33	14	14	163	7	10	95	30	500
#21 3rd St & Cedar Ave													
Base	68	45	0	0	31	32	0	0	0	45	731	60	1012
Added	73	28	0	0	3	0	0	0	0	11	126	0	241
Total	141	73	0	0	34	32	0	0	0	56	857	60	1253
#22 Broadway & Cedar Ave													
Base	0	62	134	35	2	0	30	1395	0	0	0	0	1659
Added	0	0	0	61	0	0	19	304	0	0	0	0	384
Total	0	62	134	96	2	0	49	1699	0	0	0	0	2043
#23 7th St & Pacific Ave													
Base	60	495	0	0	343	53	0	0	0	118	919	114	2104
Added	2	77	0	0	73	15	0	0	0	3	106	2	278
Total	62	572	0	0	416	69	0	0	0	121	1025	116	2382
#24 6th St & Pacific Ave													
Base	0	525	166	105	336	0	49	1400	40	0	0	0	2620
Added	0	69	0	4	72	0	9	37	2	0	0	0	193
Total	0	594	166	109	408	0	58	1437	42	0	0	0	2813
#25 4th St & Pacific Ave													
Base	15	668	39	3	246	10	72	72	16	19	46	17	1222
Added	0	66	0	0	73	1	3	3	0	0	1	0	147
Total	15	734	39	3	319	11	75	75	16	19	47	17	1369
#26 3rd St & Pacific Ave													
Base	106	438	0	0	231	60	0	0	0	153	679	154	1821
Added	18	52	0	0	64	10	0	0	0	11	119	14	288
Total	124	490	0	0	295	70	0	0	0	164	798	168	2109
#27 Broadway & Pacific Ave													
Base	0	462	236	126	190	0	94	1389	94	0	0	0	2593
Added	0	36	18	24	55	0	27	273	66	0	0	0	499
Total	0	498	254	150	245	0	121	1662	160	0	0	0	3092

Long Beach West Gateway
Year 2010 with Mitigation with Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#28 Ocean Blvd & Pacific Ave													
Base	15	10	21	167	1	210	183	1969	19	30	1250	128	4003
Added	0	0	0	87	0	33	28	327	0	0	396	27	898
Total	15	10	21	254	1	243	211	2296	19	30	1646	155	4901
#29 4th St & Pine Ave													
Base	17	248	66	42	121	18	20	113	18	16	83	39	803
Added	0	69	0	0	93	1	3	0	0	0	0	0	166
Total	17	317	66	42	214	19	23	113	18	16	83	39	969
#30 3rd St & Pine Ave													
Base	76	201	0	0	207	55	0	0	0	97	846	142	1624
Added	25	58	0	0	84	8	0	0	0	38	111	11	335
Total	101	259	0	0	291	63	0	0	0	135	957	153	1959
#31 Broadway & Pine Ave													
Base	0	198	127	71	110	0	43	1560	89	0	0	0	2198
Added	0	44	57	65	48	0	28	275	6	0	0	0	523
Total	0	242	184	136	158	0	71	1835	95	0	0	0	2721
#32 Ocean Blvd & Pine Ave													
Base	105	90	116	147	70	141	85	2017	98	60	1203	140	4270
Added	150	17	72	14	29	11	35	230	149	101	261	49	1118
Total	255	107	188	161	99	152	120	2247	247	161	1464	189	5388
#33 3rd St & Long Beach Blvd													
Base	168	504	0	0	441	181	0	0	0	94	629	180	2197
Added	91	131	0	0	75	65	0	0	0	0	18	0	380
Total	259	635	0	0	516	246	0	0	0	94	647	180	2577
#34 Broadway & Long Beach Blvd													
Base	0	251	59	95	454	0	72	539	196	0	0	0	1666
Added	0	64	0	0	75	0	158	90	114	0	0	0	501
Total	0	315	59	95	529	0	230	629	310	0	0	0	2167
#35 Ocean Blvd & Long Beach Blvd													
Base	0	0	0	137	0	264	205	1780	0	0	913	109	3409
Added	0	0	0	57	0	131	48	269	0	0	281	17	803
Total	0	0	0	194	0	395	253	2049	0	0	1194	126	4212
#36 Ocean Blvd & Shoreline Ave													
Base	57	666	589	98	100	151	332	1786	32	165	892	63	4929
Added	0	25	143	2	34	56	31	167	0	189	216	3	866
Total	57	691	732	100	134	207	363	1953	32	354	1108	66	5795

Long Beach West Gateway
Year 2010 with Mitigation with Project
PM Peak Hour

Volume	Northbound			Southbound			Eastbound			Westbound			Total
Type	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Volume
#37 7th St & Magnolia Ave													
Base	82	294	0	0	304	49	0	0	0	82	655	96	1563
Added	3	89	0	0	119	0	0	0	0	100	25	6	342
Total	85	383	0	0	423	49	0	0	0	182	680	102	1905
#41 6th Street and Cedar Ave													
Base	0	0	0	0	0	0	0	0	0	0	0	0	0
Added	0	13	15	0	2	0	0	33	1	0	0	0	64
Total	0	13	15	0	2	0	0	33	1	0	0	0	64
#43 5th Street & Cedar Ave													
Base	0	0	0	0	0	0	0	0	0	0	0	0	0
Added	0	28	0	0	3	0	0	1	0	0	0	0	32
Total	0	28	0	0	3	0	0	1	0	0	0	0	32

Long Beach West Gateway
Year 2010 with Mitigation with Project
PM Peak Hour

Impact Analysis Report
Level Of Service

Intersection	Base LOS	Base Del/ Veh	Base V/ C	Future LOS	Future Del/ Veh	Future V/ C	Change in
# 6 3rd St & Maine Ave	A	xxxxx	0.334	A	xxxxx	0.484	+ 0.150 V/C
# 7 Broadway & Maine Ave	A	xxxxx	0.445	A	xxxxx	0.563	+ 0.118 V/C
# 9 3rd St & Daisy Ave	A	xxxxx	0.247	A	xxxxx	0.341	+ 0.094 V/C

Long Beach West Gateway
Year 2010 with Mitigation with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #6 3rd St & Maine Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.484
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 28 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
Lanes:	0 1	0 0	0	0 0	0 1	0	0 0	0 0	0	1 0	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	78	49	0	0	19	16	0	0	0	39	665	31
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	83	52	0	0	20	17	0	0	0	42	712	33
Added Vol:	54	8	0	0	5	4	0	0	0	6	284	5
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	137	60	0	0	25	21	0	0	0	48	996	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:	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
PHF Volume:	149	65	0	0	27	23	0	0	0	52	1079	41
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	149	65	0	0	27	23	0	0	0	52	1079	41
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	149	65	0	0	27	23	0	0	0	52	1079	41
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:	0.69	0.31	0.00	0.00	0.55	0.45	0.00	0.00	0.00	1.00	1.93	0.07
Final Sat.:	1111	489	0	0	873	727	0	0	0	1600	3082	118
Capacity Analysis Module:												
Vol/Sat:	0.09	0.13	0.00	0.00	0.03	0.03	0.00	0.00	0.00	0.03	0.35	0.35
Crit Moves:		****		****							****	

Long Beach West Gateway
Year 2010 with Mitigation with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #7 Broadway & Maine Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.563
Loss Time (sec): 0 (Y+R = 4 sec) 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
Lanes:	0 0	0 1	0	0 1	0 0	0	1 0	2 1	0	0 0	0 0	0
Volume Module: >> Count Date: 4 Nov 2003 << 4:45												
Base Vol:	0	52	124	13	10	0	30	1257	45	0	0	0
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	0	56	133	14	11	0	32	1345	48	0	0	0
Added Vol:	0	0	0	9	0	0	62	502	0	0	0	0
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	0	56	133	23	11	0	94	1847	48	0	0	0
User Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
PHF Adj:	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
PHF Volume:	0	59	142	24	11	0	101	1973	51	0	0	0
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	0	59	142	24	11	0	101	1973	51	0	0	0
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	0	59	142	24	11	0	101	1973	51	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	0.30	0.70	0.68	0.32	0.00	1.00	2.92	0.08	0.00	0.00	0.00
Final Sat.:	0	473	1127	1091	509	0	1600	4678	122	0	0	0
Capacity Analysis Module:												
Vol/Sat:	0.00	0.13	0.13	0.02	0.02	0.00	0.06	0.42	0.42	0.00	0.00	0.00
Crit Moves:		****		****				****				

Long Beach West Gateway
Year 2010 with Mitigation with Project
PM Peak Hour

Level Of Service Computation Report
ICU 1(Loss as Cycle Length %) Method (Future Volume Alternative)

Intersection #9 3rd St & Daisy Ave

Cycle (sec): 100 Critical Vol./Cap. (X): 0.341
Loss Time (sec): 0 (Y+R = 4 sec) Average Delay (sec/veh): xxxxxx
Optimal Cycle: 22 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
Lanes:	0 1	0 0	0	0 0	0 1	0	0 0	0 0	0	0 1	1 1	0
Volume Module: >> Count Date: 5 Nov 2003 << 4:15												
Base Vol:	26	15	0	0	19	33	0	0	0	19	688	26
Growth Adj:	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Initial Bse:	28	16	0	0	20	35	0	0	0	20	736	28
Added Vol:	14	16	0	0	9	9	0	0	0	0	290	6
PasserByVol:	0	0	0	0	0	0	0	0	0	0	0	0
Initial Fut:	42	32	0	0	29	44	0	0	0	20	1026	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:	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
PHF Volume:	48	37	0	0	34	51	0	0	0	23	1178	39
Reduct Vol:	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Vol:	48	37	0	0	34	51	0	0	0	23	1178	39
PCE Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
MLF Adj:	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Final Vol.:	48	37	0	0	34	51	0	0	0	23	1178	39
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:	0.57	0.43	0.00	0.00	0.40	0.60	0.00	0.00	0.00	0.06	2.85	0.09
Final Sat.:	906	694	0	0	637	963	0	0	0	90	4559	150
Capacity Analysis Module:												
Vol/Sat:	0.03	0.05	0.00	0.00	0.05	0.05	0.00	0.00	0.00	0.01	0.26	0.26
Crit Moves:	****				****						****	