

**CITY OF TUSTIN EXISTING INTERSECTION CAPACITY UTILIZATION
(ICU) WORKSHEETS**



Project Title:		El Toro 100 Acre				
Intersection:		16 Newport Av. & Irvine Blvd.				
Description:		Existing No Project				
Date/Time:		AM PEAK HOUR				
Thru Lane:	1700 vph				N-S Split Phase :	N
Left Lane:	1700 vph				E-W Split Phase :	N
Double Lt Penalty:	0 %				Lost Time (% of cycle) :	5
ITS:	0 %				V/C Round Off (decs.) :	3
OLA Movements :	NBR,					
FF Movements:						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	247	1,700	0.115	N-S(1): 0.120
	TH	3.00	842	5,100	0.165 *	N-S(2): 0.207 *
	LT	1.00	98	1,700	0.058	E-W(1): 0.147
Westbound	RT	1.00	29	1,700	0.000	E-W(2): 0.215 *
	TH	3.00	887	5,100	0.174 *	V/C: 0.422
	LT	2.00	230	3,400	0.068	Lost Time: 0.050
Northbound	RT	1.00	102	1,700	0.000	ITS: 0.000
	TH	3.00	316	5,100	0.062	ICU: 0.472
	LT	1.00	72	1,700	0.042 *	LOS: A
Eastbound	RT	1.00	50	1,700	0.000	
	TH	3.00	402	5,100	0.079	
	LT	2.00	139	3,400	0.041 *	
Date/Time:		PM PEAK HOUR				
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	163	1,700	0.046	N-S(1): 0.239 *
	TH	3.00	480	5,100	0.094	N-S(2): 0.183
	LT	1.00	102	1,700	0.060 *	E-W(1): 0.221
Westbound	RT	1.00	51	1,700	0.000	E-W(2): 0.351 *
	TH	3.00	1,446	5,100	0.284 *	V/C: 0.590
	LT	2.00	192	3,400	0.056	Lost Time: 0.050
Northbound	RT	1.00	260	1,700	0.096	ITS: 0.000
	TH	3.00	914	5,100	0.179 *	ICU: 0.640
	LT	1.00	152	1,700	0.089	LOS: B
Eastbound	RT	1.00	88	1,700	0.000	
	TH	3.00	840	5,100	0.165	
	LT	2.00	227	3,400	0.067 *	

* - Denotes critical movement

Project Title: El Toro 100 Acre Intersection: 34 Red Hill Av. & Irvine Blvd. Description: Existing No Project Date/Time: AM PEAK HOUR						
Thru Lane:	1700 vph					N-S Split Phase : N
Left Lane:	1700 vph					E-W Split Phase : N
Double Lt Penalty:	0 %					Lost Time (% of cycle) : 5
ITS:	0 %					V/C Round Off (decs.) : 3
OLA Movements :						
FF Movements:						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	68	0	0.000	N-S(1): 0.084
	TH	2.00	259	3,400	0.096 *	N-S(2): 0.154 *
	LT	2.00	100	3,400	0.029	E-W(1): 0.264 *
Westbound	RT	0.00	31	0	0.000	E-W(2): 0.246
	TH	3.00	1,163	5,100	0.234	
	LT	1.00	143	1,700	0.084 *	V/C: 0.418
Northbound	RT	1.00	84	1,700	0.000	Lost Time: 0.050
	TH	1.00	93	1,700	0.055	ITS: 0.000
	LT	2.00	197	3,400	0.058 *	
Eastbound	RT	0.00	276	0	0.000	ICU: 0.468
	TH	3.00	644	5,100	0.180 *	
	LT	1.00	20	1,700	0.012	LOS: A
Date/Time: PM PEAK HOUR						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	58	0	0.000	N-S(1): 0.188
	TH	2.00	116	3,400	0.051 *	N-S(2): 0.208 *
	LT	2.00	76	3,400	0.022	E-W(1): 0.333
Westbound	RT	0.00	108	0	0.000	E-W(2): 0.453 *
	TH	3.00	1,953	5,100	0.404 *	
	LT	1.00	138	1,700	0.081	V/C: 0.661
Northbound	RT	1.00	123	1,700	0.011	Lost Time: 0.050
	TH	1.00	283	1,700	0.166	ITS: 0.000
	LT	2.00	535	3,400	0.157 *	
Eastbound	RT	0.00	179	0	0.000	ICU: 0.711
	TH	3.00	1,107	5,100	0.252	
	LT	1.00	83	1,700	0.049 *	LOS: C

* - Denotes critical movement

Project Title: El Toro 100 Acre Intersection: 54 Browning Av. & Irvine Blvd. Description: Existing No Project						
Date/Time: AM PEAK HOUR						
Thru Lane:	1700 vph					N-S Split Phase : N
Left Lane:	1700 vph					E-W Split Phase : N
Double Lt Penalty:	0 %					Lost Time (% of cycle) : 5
ITS:	0 %					V/C Round Off (decs.) : 3
OLA Movements :						
FF Movements:						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	36	0	0.000	N-S(1): 0.018
	TH	1.00	25	1,700	0.045 *	N-S(2): 0.062 *
	LT	0.00	15	1,700	0.009	E-W(1): 0.264
Westbound	RT	1.00	18	1,700	0.004	E-W(2): 0.416 *
	TH	2.00	1,356	3,400	0.399 *	
	LT	1.00	27	1,700	0.016	V/C: 0.478
Northbound	RT	1.00	24	1,700	0.002	Lost Time: 0.050
	TH	1.00	15	1,700	0.009	ITS: 0.000
	LT	1.00	29	1,700	0.017 *	
Eastbound	RT	1.00	24	1,700	0.001	ICU: 0.528
	TH	2.00	842	3,400	0.248	
	LT	1.00	29	1,700	0.017 *	LOS: A
Date/Time: PM PEAK HOUR						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	27	0	0.000	N-S(1): 0.030
	TH	1.00	18	1,700	0.037 *	N-S(2): 0.089 *
	LT	0.00	18	1,700	0.011	E-W(1): 0.370
Westbound	RT	1.00	17	1,700	0.002	E-W(2): 0.608 *
	TH	2.00	2,013	3,400	0.592 *	
	LT	1.00	33	1,700	0.019	V/C: 0.697
Northbound	RT	1.00	27	1,700	0.001	Lost Time: 0.050
	TH	1.00	33	1,700	0.019	ITS: 0.000
	LT	1.00	89	1,700	0.052 *	
Eastbound	RT	1.00	45	1,700	0.000	ICU: 0.747
	TH	2.00	1,195	3,400	0.351	
	LT	1.00	28	1,700	0.016 *	LOS: C

* - Denotes critical movement

Project Title: El Toro 100 Acre Intersection: 91 Tustin Ranch Rd. & Irvine Bl. Description: Existing No Project						
Date/Time: AM PEAK HOUR						
Thru Lane:	1700 vph					N-S Split Phase : N
Left Lane:	1700 vph					E-W Split Phase : N
Double Lt Penalty:	0 %					Lost Time (% of cycle) : 5
ITS:	0 %					V/C Round Off (decs.) : 3
OLA Movements :	NBR,					
FF Movements:	SBR,					
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	314	1,700	0.000	N-S(1): 0.105
	TH	3.00	818	5,100	0.160 *	N-S(2): 0.226 *
	LT	1.00	104	1,700	0.061	E-W(1): 0.184
Westbound	RT	1.00	72	1,700	0.000	E-W(2): 0.278 *
	TH	2.00	815	3,400	0.240 *	V/C: 0.504
	LT	2.00	258	3,400	0.076	Lost Time: 0.050
Northbound	RT	1.00	109	1,700	0.000	ITS: 0.000
	TH	3.00	224	5,100	0.044	
	LT	1.00	113	1,700	0.066 *	ICU: 0.554
Eastbound	RT	1.00	244	1,700	0.094	
	TH	3.00	553	5,100	0.108	LOS: A
	LT	2.00	130	3,400	0.038 *	
Date/Time: PM PEAK HOUR						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	331	1,700	0.000	N-S(1): 0.230
	TH	3.00	346	5,100	0.068 *	N-S(2): 0.320 *
	LT	1.00	116	1,700	0.068	E-W(1): 0.190
Westbound	RT	1.00	377	1,700	0.171	E-W(2): 0.454 *
	TH	2.00	1,336	3,400	0.393 *	V/C: 0.774
	LT	2.00	120	3,400	0.035	Lost Time: 0.050
Northbound	RT	1.00	282	1,700	0.131	ITS: 0.000
	TH	3.00	824	5,100	0.162	
	LT	1.00	428	1,700	0.252 *	ICU: 0.824
Eastbound	RT	1.00	169	1,700	0.000	
	TH	3.00	790	5,100	0.155	LOS: D
	LT	2.00	207	3,400	0.061 *	

* - Denotes critical movement

Project Title:		El Toro 100 Acre				
Intersection:		123 Jamboree Rd. & Tustin Ranch Rd.				
Description:		Existing No Project				
Date/Time:		AM PEAK HOUR				
Thru Lane:	1700 vph				N-S Split Phase :	N
Left Lane:	1700 vph				E-W Split Phase :	Y
Double Lt Penalty:	0 %				Lost Time (% of cycle) :	5
ITS:	0 %				V/C Round Off (decs.) :	3
OLA Movements :	SBR,					
FF Movements:						

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	147	1,700	0.073	N-S(1): 0.079
	TH	2.00	1,752	3,400	0.515 *	N-S(2): 0.519 *
	LT	1.00	11	1,700	0.006	E-W(1): 0.020 *
Westbound	RT	1.00	3	1,700	0.000	E-W(2): 0.000
	TH	1.00	5	1,700	0.003	
	LT	1.00	10	1,700	0.006 *	V/C: 0.539
Northbound	RT	1.00	17	1,700	0.006	Lost Time: 0.050
	TH	2.00	248	3,400	0.073	ITS: 0.000
	LT	1.00	6	1,700	0.004 *	
Eastbound	RT	1.00	5	1,700	0.000	ICU: 0.589
	TH	1.00	7	1,700	0.004	
	LT	2.00	47	3,400	0.014 *	LOS: A

Date/Time:		PM PEAK HOUR				
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APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	49	1,700	0.000	N-S(1): 0.563 *
	TH	2.00	431	3,400	0.127	N-S(2): 0.139
	LT	1.00	9	1,700	0.005 *	E-W(1): 0.090 *
Westbound	RT	1.00	31	1,700	0.014	E-W(2): 0.000
	TH	1.00	35	1,700	0.021	
	LT	1.00	49	1,700	0.029 *	V/C: 0.653
Northbound	RT	1.00	3	1,700	0.000	Lost Time: 0.050
	TH	2.00	1,898	3,400	0.558 *	ITS: 0.000
	LT	1.00	21	1,700	0.012	
Eastbound	RT	1.00	9	1,700	0.000	ICU: 0.703
	TH	1.00	7	1,700	0.004	
	LT	2.00	207	3,400	0.061 *	LOS: C

* - Denotes critical movement

Project Title:		El Toro 100 Acre				
Intersection:		124 Jamboree Rd. & Portola Pkwy.				
Description:		Existing No Project				
Date/Time:		AM PEAK HOUR				
Thru Lane:	1700 vph				N-S Split Phase :	N
Left Lane:	1700 vph				E-W Split Phase :	N
Double Lt Penalty:	0 %				Lost Time (% of cycle) :	5
ITS:	0 %				V/C Round Off (decs.) :	3
OLA Movements :						
FF Movements:		NBR,				
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	7	0	0.000	N-S(1): 0.188
	TH	3.00	1,215	5,100	0.240 *	N-S(2): 0.247 *
	LT	2.00	523	3,400	0.154	E-W(1): 0.088 *
Westbound	RT	1.00	131	1,700	0.000	E-W(2): 0.064
	TH	2.00	215	3,400	0.063	
	LT	2.00	147	3,400	0.043 *	V/C: 0.335
Northbound	RT	1.00	97	1,700	0.000	Lost Time: 0.050
	TH	3.00	174	5,100	0.034	ITS: 0.000
	LT	2.00	24	3,400	0.007 *	
Eastbound	RT	1.00	40	1,700	0.018	ICU: 0.385
	TH	2.00	154	3,400	0.045 *	
	LT	1.00	2	1,700	0.001	LOS: A
Date/Time:		PM PEAK HOUR				
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	11	0	0.000	N-S(1): 0.272 *
	TH	3.00	310	5,100	0.063	N-S(2): 0.085
	LT	2.00	157	3,400	0.046 *	E-W(1): 0.105
Westbound	RT	1.00	800	1,700	0.436 *	E-W(2): 0.456 *
	TH	2.00	431	3,400	0.127	
	LT	2.00	178	3,400	0.052	V/C: 0.728
Northbound	RT	1.00	146	1,700	0.000	Lost Time: 0.050
	TH	3.00	1,155	5,100	0.226 *	ITS: 0.000
	LT	2.00	76	3,400	0.022	
Eastbound	RT	1.00	62	1,700	0.020	ICU: 0.778
	TH	2.00	181	3,400	0.053	
	LT	1.00	34	1,700	0.020 *	LOS: C

* - Denotes critical movement

Project Title: El Toro 100 Acre Intersection: 125 Jamboree Rd. & Irvine Bl. Description: Existing No Project						
Date/Time: AM PEAK HOUR						
Thru Lane:	1700 vph					N-S Split Phase : N
Left Lane:	1700 vph					E-W Split Phase : N
Double Lt Penalty:	0 %					Lost Time (% of cycle) : 5
ITS:	0 %					V/C Round Off (decs.) : 3
OLA Movements :	NBR,					
FF Movements:	SBR,					
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	108	1,700	0.000	N-S(1): 0.102
	TH	3.00	1,865	5,100	0.366 *	N-S(2): 0.394 *
	LT	2.00	187	3,400	0.055	E-W(1): 0.221 *
Westbound	RT	1.00	56	1,700	0.000	E-W(2): 0.141
	TH	3.00	641	5,100	0.126	
	LT	2.00	365	3,400	0.107 *	V/C: 0.615
Northbound	RT	1.00	110	1,700	0.000	Lost Time: 0.050
	TH	3.00	242	5,100	0.047	ITS: 0.000
	LT	2.00	94	3,400	0.028 *	
Eastbound	RT	1.00	148	1,700	0.066	ICU: 0.665
	TH	3.00	582	5,100	0.114 *	
	LT	2.00	52	3,400	0.015	LOS: B
Date/Time: PM PEAK HOUR						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	72	1,700	0.000	N-S(1): 0.327 *
	TH	3.00	635	5,100	0.125	N-S(2): 0.254
	LT	2.00	143	3,400	0.042 *	E-W(1): 0.237
Westbound	RT	1.00	305	1,700	0.148	E-W(2): 0.307 *
	TH	3.00	1,217	5,100	0.239 *	
	LT	2.00	337	3,400	0.099	V/C: 0.634
Northbound	RT	1.00	328	1,700	0.094	Lost Time: 0.050
	TH	3.00	1,454	5,100	0.285 *	ITS: 0.000
	LT	2.00	440	3,400	0.129	
Eastbound	RT	1.00	186	1,700	0.012	ICU: 0.684
	TH	3.00	704	5,100	0.138	
	LT	2.00	230	3,400	0.068 *	LOS: B

* - Denotes critical movement

**CITY OF TUSTIN EXISTING PLUS PROPOSED PROJECT
INTERSECTION CAPACITY UTILIZATION (ICU) WORKSHEETS**



Project Title: El Toro 100 Acre Intersection: 16 Newport Av. & Irvine Blvd. Description: Existing Plus Proposed Project						
Date/Time: AM PEAK HOUR						
Thru Lane:	1700 vph					N-S Split Phase : N
Left Lane:	1700 vph					E-W Split Phase : N
Double Lt Penalty:	0 %					Lost Time (% of cycle) : 5
ITS:	0 %					V/C Round Off (decs.) : 3
OLA Movements :	NBR,					
FF Movements:						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	246	1,700	0.114	N-S(1): 0.116
	TH	3.00	849	5,100	0.166 *	N-S(2): 0.212 *
	LT	1.00	92	1,700	0.054	E-W(1): 0.153
Westbound	RT	1.00	28	1,700	0.000	E-W(2): 0.212 *
	TH	3.00	874	5,100	0.171 *	V/C: 0.424
	LT	2.00	237	3,400	0.070	Lost Time: 0.050
Northbound	RT	1.00	106	1,700	0.000	ITS: 0.000
	TH	3.00	316	5,100	0.062	
	LT	1.00	78	1,700	0.046 *	ICU: 0.474
Eastbound	RT	1.00	55	1,700	0.000	
	TH	3.00	424	5,100	0.083	LOS: A
	LT	2.00	140	3,400	0.041 *	
Date/Time: PM PEAK HOUR						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	167	1,700	0.047	N-S(1): 0.239 *
	TH	3.00	475	5,100	0.093	N-S(2): 0.184
	LT	1.00	102	1,700	0.060 *	E-W(1): 0.217
Westbound	RT	1.00	51	1,700	0.000	E-W(2): 0.356 *
	TH	3.00	1,469	5,100	0.288 *	V/C: 0.595
	LT	2.00	177	3,400	0.052	Lost Time: 0.050
Northbound	RT	1.00	246	1,700	0.093	ITS: 0.000
	TH	3.00	911	5,100	0.179 *	
	LT	1.00	155	1,700	0.091	ICU: 0.645
Eastbound	RT	1.00	88	1,700	0.000	
	TH	3.00	844	5,100	0.165	LOS: B
	LT	2.00	231	3,400	0.068 *	

* - Denotes critical movement

Project Title: El Toro 100 Acre Intersection: 34 Red Hill Av. & Irvine Blvd. Description: Existing Plus Proposed Project						
Date/Time: AM PEAK HOUR						
Thru Lane:	1700 vph					N-S Split Phase : N
Left Lane:	1700 vph					E-W Split Phase : N
Double Lt Penalty:	0 %					Lost Time (% of cycle) : 5
ITS:	0 %					V/C Round Off (decs.) : 3
OLA Movements :						
FF Movements:						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	65	0	0.000	N-S(1): 0.085
	TH	2.00	251	3,400	0.093 *	N-S(2): 0.150 *
	LT	2.00	102	3,400	0.030	E-W(1): 0.268 *
Westbound	RT	0.00	31	0	0.000	E-W(2): 0.244
	TH	3.00	1,154	5,100	0.232	
	LT	1.00	142	1,700	0.084 *	V/C: 0.418
Northbound	RT	1.00	87	1,700	0.000	Lost Time: 0.050
	TH	1.00	93	1,700	0.055	ITS: 0.000
	LT	2.00	194	3,400	0.057 *	
Eastbound	RT	0.00	272	0	0.000	ICU: 0.468
	TH	3.00	668	5,100	0.184 *	
	LT	1.00	20	1,700	0.012	LOS: A
Date/Time: PM PEAK HOUR						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	59	0	0.000	N-S(1): 0.188
	TH	2.00	116	3,400	0.051 *	N-S(2): 0.209 *
	LT	2.00	76	3,400	0.022	E-W(1): 0.333
Westbound	RT	0.00	108	0	0.000	E-W(2): 0.455 *
	TH	3.00	1,965	5,100	0.406 *	
	LT	1.00	138	1,700	0.081	V/C: 0.664
Northbound	RT	1.00	122	1,700	0.011	Lost Time: 0.050
	TH	1.00	282	1,700	0.166	ITS: 0.000
	LT	2.00	538	3,400	0.158 *	
Eastbound	RT	0.00	179	0	0.000	ICU: 0.714
	TH	3.00	1,105	5,100	0.252	
	LT	1.00	84	1,700	0.049 *	LOS: C

* - Denotes critical movement

Project Title: El Toro 100 Acre Intersection: 54 Browning Av. & Irvine Blvd. Description: Existing Plus Proposed Project						
Date/Time: AM PEAK HOUR						
Thru Lane:	1700 vph					N-S Split Phase : N
Left Lane:	1700 vph					E-W Split Phase : N
Double Lt Penalty:	0 %					Lost Time (% of cycle) : 5
ITS:	0 %					V/C Round Off (decs.) : 3
OLA Movements :						
FF Movements:						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	41	0	0.000	N-S(1): 0.019
	TH	1.00	26	1,700	0.049 *	N-S(2): 0.065 *
	LT	0.00	17	1,700	0.010	E-W(1): 0.270
Westbound	RT	1.00	18	1,700	0.003	E-W(2): 0.416 *
	TH	2.00	1,353	3,400	0.398 *	
	LT	1.00	25	1,700	0.015	V/C: 0.481
Northbound	RT	1.00	23	1,700	0.003	Lost Time: 0.050
	TH	1.00	15	1,700	0.009	ITS: 0.000
	LT	1.00	28	1,700	0.016 *	
Eastbound	RT	1.00	24	1,700	0.002	ICU: 0.531
	TH	2.00	866	3,400	0.255	
	LT	1.00	30	1,700	0.018 *	LOS: A
Date/Time: PM PEAK HOUR						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	27	0	0.000	N-S(1): 0.030
	TH	1.00	18	1,700	0.038 *	N-S(2): 0.090 *
	LT	0.00	19	1,700	0.011	E-W(1): 0.371
Westbound	RT	1.00	17	1,700	0.002	E-W(2): 0.614 *
	TH	2.00	2,034	3,400	0.598 *	
	LT	1.00	34	1,700	0.020	V/C: 0.704
Northbound	RT	1.00	27	1,700	0.001	Lost Time: 0.050
	TH	1.00	33	1,700	0.019	ITS: 0.000
	LT	1.00	88	1,700	0.052 *	
Eastbound	RT	1.00	44	1,700	0.000	ICU: 0.754
	TH	2.00	1,194	3,400	0.351	
	LT	1.00	27	1,700	0.016 *	LOS: C

* - Denotes critical movement

Project Title: El Toro 100 Acre Intersection: 91 Tustin Ranch Rd. & Irvine Bl. Description: Existing Plus Proposed Project						
Date/Time: AM PEAK HOUR						
Thru Lane:	1700 vph					N-S Split Phase : N
Left Lane:	1700 vph					E-W Split Phase : N
Double Lt Penalty:	0 %					Lost Time (% of cycle) : 5
ITS:	0 %					V/C Round Off (decs.) : 3
OLA Movements :	NBR,					
FF Movements:	SBR,					
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	318	1,700	0.000	N-S(1): 0.111
	TH	3.00	813	5,100	0.159 *	N-S(2): 0.224 *
	LT	1.00	116	1,700	0.068	E-W(1): 0.189
Westbound	RT	1.00	72	1,700	0.000	E-W(2): 0.277 *
	TH	2.00	810	3,400	0.238 *	
	LT	2.00	253	3,400	0.074	V/C: 0.501
Northbound	RT	1.00	114	1,700	0.000	Lost Time: 0.050
	TH	3.00	221	5,100	0.043	ITS: 0.000
	LT	1.00	111	1,700	0.065 *	
Eastbound	RT	1.00	242	1,700	0.093	ICU: 0.551
	TH	3.00	586	5,100	0.115	
	LT	2.00	131	3,400	0.039 *	LOS: A
Date/Time: PM PEAK HOUR						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	335	1,700	0.000	N-S(1): 0.228
	TH	3.00	344	5,100	0.067 *	N-S(2): 0.319 *
	LT	1.00	114	1,700	0.067	E-W(1): 0.190
Westbound	RT	1.00	378	1,700	0.172	E-W(2): 0.462 *
	TH	2.00	1,356	3,400	0.399 *	
	LT	2.00	120	3,400	0.035	V/C: 0.781
Northbound	RT	1.00	277	1,700	0.128	Lost Time: 0.050
	TH	3.00	819	5,100	0.161	ITS: 0.000
	LT	1.00	428	1,700	0.252 *	
Eastbound	RT	1.00	172	1,700	0.000	ICU: 0.831
	TH	3.00	791	5,100	0.155	
	LT	2.00	213	3,400	0.063 *	LOS: D

* - Denotes critical movement

Project Title:	El Toro 100 Acre		
Intersection:	123 Jamboree Rd. & Tustin Ranch Rd.		
Description:	Existing Plus Proposed Project		
Date/Time:	AM PEAK HOUR		
Thru Lane:	1700 vph	N-S Split Phase :	N
Left Lane:	1700 vph	E-W Split Phase :	Y
Double Lt Penalty:	0 %	Lost Time (% of cycle) :	5
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :	SBR,		
FF Movements:			

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	147	1,700	0.073	N-S(1): 0.079
	TH	2.00	1,752	3,400	0.515 *	N-S(2): 0.519 *
	LT	1.00	11	1,700	0.006	E-W(1): 0.020 *
Westbound	RT	1.00	3	1,700	0.000	E-W(2): 0.000
	TH	1.00	5	1,700	0.003	
	LT	1.00	10	1,700	0.006 *	V/C: 0.539
Northbound	RT	1.00	17	1,700	0.006	Lost Time: 0.050
	TH	2.00	248	3,400	0.073	ITS: 0.000
	LT	1.00	6	1,700	0.004 *	
Eastbound	RT	1.00	5	1,700	0.000	ICU: 0.589
	TH	1.00	7	1,700	0.004	
	LT	2.00	47	3,400	0.014 *	LOS: A

Date/Time:	PM PEAK HOUR		
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APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	52	1,700	0.000	N-S(1): 0.565 *
	TH	2.00	424	3,400	0.125	N-S(2): 0.136
	LT	1.00	9	1,700	0.005 *	E-W(1): 0.091 *
Westbound	RT	1.00	31	1,700	0.014	E-W(2): 0.000
	TH	1.00	35	1,700	0.021	
	LT	1.00	49	1,700	0.029 *	V/C: 0.656
Northbound	RT	1.00	3	1,700	0.000	Lost Time: 0.050
	TH	2.00	1,905	3,400	0.560 *	ITS: 0.000
	LT	1.00	18	1,700	0.011	
Eastbound	RT	1.00	6	1,700	0.000	ICU: 0.706
	TH	1.00	7	1,700	0.004	
	LT	2.00	210	3,400	0.062 *	LOS: C

* - Denotes critical movement

Project Title: El Toro 100 Acre Intersection: 124 Jamboree Rd. & Portola Pkwy. Description: Existing Plus Proposed Project						
Date/Time: AM PEAK HOUR						
Thru Lane:	1700 vph					N-S Split Phase : N
Left Lane:	1700 vph					E-W Split Phase : N
Double Lt Penalty:	0 %					Lost Time (% of cycle) : 5
ITS:	0 %					V/C Round Off (decs.) : 3
OLA Movements :						
FF Movements:	NBR,					
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	7	0	0.000	N-S(1): 0.191
	TH	3.00	1,202	5,100	0.237 *	N-S(2): 0.244 *
	LT	2.00	536	3,400	0.158	E-W(1): 0.092 *
Westbound	RT	1.00	131	1,700	0.000	E-W(2): 0.065
	TH	2.00	218	3,400	0.064	
	LT	2.00	153	3,400	0.045 *	V/C: 0.336
Northbound	RT	1.00	101	1,700	0.000	Lost Time: 0.050
	TH	3.00	170	5,100	0.033	ITS: 0.000
	LT	2.00	23	3,400	0.007 *	
Eastbound	RT	1.00	35	1,700	0.016	ICU: 0.386
	TH	2.00	160	3,400	0.047 *	
	LT	1.00	2	1,700	0.001	LOS: A
Date/Time: PM PEAK HOUR						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	11	0	0.000	N-S(1): 0.272 *
	TH	3.00	306	5,100	0.062	N-S(2): 0.084
	LT	2.00	160	3,400	0.047 *	E-W(1): 0.108
Westbound	RT	1.00	808	1,700	0.440 *	E-W(2): 0.460 *
	TH	2.00	432	3,400	0.127	
	LT	2.00	184	3,400	0.054	V/C: 0.732
Northbound	RT	1.00	153	1,700	0.000	Lost Time: 0.050
	TH	3.00	1,147	5,100	0.225 *	ITS: 0.000
	LT	2.00	74	3,400	0.022	
Eastbound	RT	1.00	60	1,700	0.019	ICU: 0.782
	TH	2.00	183	3,400	0.054	
	LT	1.00	34	1,700	0.020 *	LOS: C

* - Denotes critical movement

Project Title: El Toro 100 Acre Intersection: 125 Jamboree Rd. & Irvine Bl. Description: Existing Plus Proposed Project						
Date/Time: AM PEAK HOUR						
Thru Lane:	1700 vph					N-S Split Phase : N
Left Lane:	1700 vph					E-W Split Phase : N
Double Lt Penalty:	0 %					Lost Time (% of cycle) : 5
ITS:	0 %					V/C Round Off (decs.) : 3
OLA Movements :	NBR,					
FF Movements:	SBR,					
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	106	1,700	0.000	N-S(1): 0.104
	TH	3.00	1,861	5,100	0.365 *	N-S(2): 0.392 *
	LT	2.00	193	3,400	0.057	E-W(1): 0.228 *
Westbound	RT	1.00	55	1,700	0.000	E-W(2): 0.140
	TH	3.00	633	5,100	0.124	
	LT	2.00	364	3,400	0.107 *	V/C: 0.620
Northbound	RT	1.00	112	1,700	0.000	Lost Time: 0.050
	TH	3.00	240	5,100	0.047	ITS: 0.000
	LT	2.00	93	3,400	0.027 *	
Eastbound	RT	1.00	152	1,700	0.069	ICU: 0.670
	TH	3.00	615	5,100	0.121 *	
	LT	2.00	55	3,400	0.016	LOS: B
Date/Time: PM PEAK HOUR						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	73	1,700	0.000	N-S(1): 0.327 *
	TH	3.00	635	5,100	0.125	N-S(2): 0.256
	LT	2.00	142	3,400	0.042 *	E-W(1): 0.237
Westbound	RT	1.00	305	1,700	0.148	E-W(2): 0.310 *
	TH	3.00	1,236	5,100	0.242 *	
	LT	2.00	338	3,400	0.099	V/C: 0.637
Northbound	RT	1.00	324	1,700	0.091	Lost Time: 0.050
	TH	3.00	1,453	5,100	0.285 *	ITS: 0.000
	LT	2.00	444	3,400	0.131	
Eastbound	RT	1.00	188	1,700	0.013	ICU: 0.687
	TH	3.00	702	5,100	0.138	
	LT	2.00	232	3,400	0.068 *	LOS: B

* - Denotes critical movement

**CITY OF TUSTIN EXISTING PLUS ALTERNATIVE 1
INTERSECTION CAPACITY UTILIZATION (ICU) WORKSHEETS**



Project Title: El Toro 100 Acre Intersection: 16 Newport Av. & Irvine Blvd. Description: Existing Plus Alt3 Date/Time: AM PEAK HOUR								
Thru Lane:	1700 vph					N-S Split Phase :	N	
Left Lane:	1700 vph					E-W Split Phase :	N	
Double Lt Penalty:	0 %					Lost Time (% of cycle) :	5	
ITS:	0 %					V/C Round Off (decs.) :	3	
OLA Movements :	NBR,							
FF Movements:								
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS		
Southbound	RT	1.00	242	1,700	0.111	N-S(1):	0.118	
	TH	3.00	850	5,100	0.167 *	N-S(2):	0.209 *	
	LT	1.00	95	1,700	0.056	E-W(1):	0.157	
Westbound	RT	1.00	29	1,700	0.000	E-W(2):	0.210 *	
	TH	3.00	861	5,100	0.169 *	V/C:	0.419	
	LT	2.00	255	3,400	0.075	Lost Time:	0.050	
Northbound	RT	1.00	104	1,700	0.000	ITS:	0.000	
	TH	3.00	316	5,100	0.062	ICU:	0.469	
	LT	1.00	72	1,700	0.042 *	LOS:	A	
Eastbound	RT	1.00	54	1,700	0.000			
	TH	3.00	418	5,100	0.082			
	LT	2.00	141	3,400	0.041 *			
Date/Time: PM PEAK HOUR								
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS		
Southbound	RT	1.00	165	1,700	0.047	N-S(1):	0.240 *	
	TH	3.00	474	5,100	0.093	N-S(2):	0.183	
	LT	1.00	103	1,700	0.061 *	E-W(1):	0.218	
Westbound	RT	1.00	51	1,700	0.000	E-W(2):	0.352 *	
	TH	3.00	1,452	5,100	0.285 *	V/C:	0.592	
	LT	2.00	179	3,400	0.053	Lost Time:	0.050	
Northbound	RT	1.00	255	1,700	0.097	ITS:	0.000	
	TH	3.00	912	5,100	0.179 *	ICU:	0.642	
	LT	1.00	153	1,700	0.090	LOS:	B	
Eastbound	RT	1.00	87	1,700	0.000			
	TH	3.00	844	5,100	0.165			
	LT	2.00	229	3,400	0.067 *			

* - Denotes critical movement

Project Title: El Toro 100 Acre Intersection: 34 Red Hill Av. & Irvine Blvd. Description: Existing Plus Alt3 Date/Time: AM PEAK HOUR						
Thru Lane:	1700 vph					N-S Split Phase : N
Left Lane:	1700 vph					E-W Split Phase : N
Double Lt Penalty:	0 %					Lost Time (% of cycle) : 5
ITS:	0 %					V/C Round Off (decs.) : 3
OLA Movements :						
FF Movements:						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	67	0	0.000	N-S(1): 0.087
	TH	2.00	257	3,400	0.095 *	N-S(2): 0.151 *
	LT	2.00	103	3,400	0.030	E-W(1): 0.264 *
Westbound	RT	0.00	34	0	0.000	E-W(2): 0.247
	TH	3.00	1,159	5,100	0.234	
	LT	1.00	143	1,700	0.084 *	V/C: 0.415
Northbound	RT	1.00	85	1,700	0.000	Lost Time: 0.050
	TH	1.00	97	1,700	0.057	ITS: 0.000
	LT	2.00	192	3,400	0.056 *	
Eastbound	RT	0.00	268	0	0.000	ICU: 0.465
	TH	3.00	650	5,100	0.180 *	
	LT	1.00	22	1,700	0.013	LOS: A
Date/Time: PM PEAK HOUR						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	59	0	0.000	N-S(1): 0.188
	TH	2.00	116	3,400	0.051 *	N-S(2): 0.209 *
	LT	2.00	75	3,400	0.022	E-W(1): 0.335
Westbound	RT	0.00	107	0	0.000	E-W(2): 0.455 *
	TH	3.00	1,956	5,100	0.405 *	
	LT	1.00	137	1,700	0.081	V/C: 0.664
Northbound	RT	1.00	122	1,700	0.011	Lost Time: 0.050
	TH	1.00	282	1,700	0.166	ITS: 0.000
	LT	2.00	537	3,400	0.158 *	
Eastbound	RT	0.00	181	0	0.000	ICU: 0.714
	TH	3.00	1,113	5,100	0.254	
	LT	1.00	85	1,700	0.050 *	LOS: C

* - Denotes critical movement

Project Title:		El Toro 100 Acre				
Intersection:		54 Browning Av. & Irvine Blvd.				
Description:		Existing Plus Alt3				
Date/Time:		AM PEAK HOUR				
Thru Lane:	1700 vph				N-S Split Phase :	N
Left Lane:	1700 vph				E-W Split Phase :	N
Double Lt Penalty:	0 %				Lost Time (% of cycle) :	5
ITS:	0 %				V/C Round Off (decs.) :	3
OLA Movements :						
FF Movements:						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	36	0	0.000	N-S(1): 0.017
	TH	1.00	27	1,700	0.045 *	N-S(2): 0.062 *
	LT	0.00	13	1,700	0.008	E-W(1): 0.266
Westbound	RT	1.00	18	1,700	0.005	E-W(2): 0.416 *
	TH	2.00	1,356	3,400	0.399 *	V/C: 0.478
	LT	1.00	29	1,700	0.017	Lost Time: 0.050
Northbound	RT	1.00	23	1,700	0.001	ITS: 0.000
	TH	1.00	15	1,700	0.009	ICU: 0.528
	LT	1.00	29	1,700	0.017 *	LOS: A
Eastbound	RT	1.00	30	1,700	0.005	
	TH	2.00	845	3,400	0.249	
	LT	1.00	29	1,700	0.017 *	
Date/Time:		PM PEAK HOUR				
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	27	0	0.000	N-S(1): 0.030
	TH	1.00	18	1,700	0.037 *	N-S(2): 0.089 *
	LT	0.00	18	1,700	0.011	E-W(1): 0.370
Westbound	RT	1.00	17	1,700	0.002	E-W(2): 0.608 *
	TH	2.00	2,013	3,400	0.592 *	V/C: 0.697
	LT	1.00	33	1,700	0.019	Lost Time: 0.050
Northbound	RT	1.00	27	1,700	0.001	ITS: 0.000
	TH	1.00	33	1,700	0.019	ICU: 0.747
	LT	1.00	89	1,700	0.052 *	LOS: C
Eastbound	RT	1.00	45	1,700	0.000	
	TH	2.00	1,195	3,400	0.351	
	LT	1.00	28	1,700	0.016 *	

* - Denotes critical movement

Project Title:		El Toro 100 Acre				
Intersection:		91 Tustin Ranch Rd. & Irvine Bl.				
Description:		Existing Plus Alt3				
Date/Time:		AM PEAK HOUR				
Thru Lane:	1700 vph			N-S Split Phase :	N	
Left Lane:	1700 vph			E-W Split Phase :	N	
Double Lt Penalty:	0 %			Lost Time (% of cycle) :	5	
ITS:	0 %			V/C Round Off (decs.) :	3	
OLA Movements :	NBR,					
FF Movements:	SBR,					
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	316	1,700	0.000	N-S(1): 0.105
	TH	3.00	816	5,100	0.160 *	N-S(2): 0.227 *
	LT	1.00	104	1,700	0.061	E-W(1): 0.185
Westbound	RT	1.00	71	1,700	0.000	E-W(2): 0.277 *
	TH	2.00	809	3,400	0.238 *	V/C: 0.504
	LT	2.00	255	3,400	0.075	Lost Time: 0.050
Northbound	RT	1.00	110	1,700	0.000	ITS: 0.000
	TH	3.00	222	5,100	0.044	ICU: 0.554
	LT	1.00	114	1,700	0.067 *	LOS: A
Eastbound	RT	1.00	247	1,700	0.095	
	TH	3.00	561	5,100	0.110	
	LT	2.00	131	3,400	0.039 *	
Date/Time:		PM PEAK HOUR				
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	330	1,700	0.000	N-S(1): 0.230
	TH	3.00	349	5,100	0.068 *	N-S(2): 0.321 *
	LT	1.00	115	1,700	0.068	E-W(1): 0.192
Westbound	RT	1.00	374	1,700	0.169	E-W(2): 0.452 *
	TH	2.00	1,331	3,400	0.391 *	V/C: 0.773
	LT	2.00	122	3,400	0.036	Lost Time: 0.050
Northbound	RT	1.00	283	1,700	0.131	ITS: 0.000
	TH	3.00	824	5,100	0.162	ICU: 0.823
	LT	1.00	430	1,700	0.253 *	LOS: D
Eastbound	RT	1.00	173	1,700	0.000	
	TH	3.00	798	5,100	0.156	
	LT	2.00	208	3,400	0.061 *	

* - Denotes critical movement

Project Title:		El Toro 100 Acre				
Intersection:		123 Jamboree Rd. & Tustin Ranch Rd.				
Description:		Existing Plus Alt3				
Date/Time:		AM PEAK HOUR				
Thru Lane:	1700 vph			N-S Split Phase :	N	
Left Lane:	1700 vph			E-W Split Phase :	Y	
Double Lt Penalty:	0 %			Lost Time (% of cycle) :	5	
ITS:	0 %			V/C Round Off (decs.) :	3	
OLA Movements :	SBR,					
FF Movements:						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	147	1,700	0.073	N-S(1): 0.079
	TH	2.00	1,752	3,400	0.515 *	N-S(2): 0.519 *
	LT	1.00	11	1,700	0.006	E-W(1): 0.020 *
Westbound	RT	1.00	3	1,700	0.000	E-W(2): 0.000
	TH	1.00	5	1,700	0.003	
	LT	1.00	10	1,700	0.006 *	V/C: 0.539
Northbound	RT	1.00	17	1,700	0.006	Lost Time: 0.050
	TH	2.00	248	3,400	0.073	ITS: 0.000
	LT	1.00	6	1,700	0.004 *	
Eastbound	RT	1.00	5	1,700	0.000	ICU: 0.589
	TH	1.00	7	1,700	0.004	
	LT	2.00	47	3,400	0.014 *	LOS: A
Date/Time:		PM PEAK HOUR				
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	49	1,700	0.000	N-S(1): 0.563 *
	TH	2.00	431	3,400	0.127	N-S(2): 0.139
	LT	1.00	9	1,700	0.005 *	E-W(1): 0.090 *
Westbound	RT	1.00	31	1,700	0.014	E-W(2): 0.000
	TH	1.00	35	1,700	0.021	
	LT	1.00	49	1,700	0.029 *	V/C: 0.653
Northbound	RT	1.00	3	1,700	0.000	Lost Time: 0.050
	TH	2.00	1,898	3,400	0.558 *	ITS: 0.000
	LT	1.00	21	1,700	0.012	
Eastbound	RT	1.00	9	1,700	0.000	ICU: 0.703
	TH	1.00	7	1,700	0.004	
	LT	2.00	207	3,400	0.061 *	LOS: C

* - Denotes critical movement

Project Title:		El Toro 100 Acre				
Intersection:		124 Jamboree Rd. & Portola Pkwy.				
Description:		Existing Plus Alt3				
Date/Time:		AM PEAK HOUR				
Thru Lane:	1700 vph				N-S Split Phase :	N
Left Lane:	1700 vph				E-W Split Phase :	N
Double Lt Penalty:	0 %				Lost Time (% of cycle) :	5
ITS:	0 %				V/C Round Off (decs.) :	3
OLA Movements :						
FF Movements:		NBR,				
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	7	0	0.000	N-S(1): 0.190
	TH	3.00	1,209	5,100	0.238 *	N-S(2): 0.245 *
	LT	2.00	529	3,400	0.156	E-W(1): 0.091 *
Westbound	RT	1.00	133	1,700	0.000	E-W(2): 0.065
	TH	2.00	216	3,400	0.064	
	LT	2.00	154	3,400	0.045 *	V/C: 0.336
Northbound	RT	1.00	99	1,700	0.000	Lost Time: 0.050
	TH	3.00	173	5,100	0.034	ITS: 0.000
	LT	2.00	23	3,400	0.007 *	
Eastbound	RT	1.00	38	1,700	0.017	ICU: 0.386
	TH	2.00	156	3,400	0.046 *	
	LT	1.00	2	1,700	0.001	LOS: A
Date/Time:		PM PEAK HOUR				
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	11	0	0.000	N-S(1): 0.273 *
	TH	3.00	308	5,100	0.063	N-S(2): 0.085
	LT	2.00	159	3,400	0.047 *	E-W(1): 0.105
Westbound	RT	1.00	804	1,700	0.438 *	E-W(2): 0.458 *
	TH	2.00	423	3,400	0.124	
	LT	2.00	182	3,400	0.054	V/C: 0.731
Northbound	RT	1.00	151	1,700	0.000	Lost Time: 0.050
	TH	3.00	1,152	5,100	0.226 *	ITS: 0.000
	LT	2.00	74	3,400	0.022	
Eastbound	RT	1.00	60	1,700	0.019	ICU: 0.781
	TH	2.00	174	3,400	0.051	
	LT	1.00	34	1,700	0.020 *	LOS: C

* - Denotes critical movement

Project Title:		El Toro 100 Acre				
Intersection:		125 Jamboree Rd. & Irvine Bl.				
Description:		Existing Plus Alt3				
Date/Time:		AM PEAK HOUR				
Thru Lane:	1700 vph				N-S Split Phase :	N
Left Lane:	1700 vph				E-W Split Phase :	N
Double Lt Penalty:	0 %				Lost Time (% of cycle) :	5
ITS:	0 %				V/C Round Off (decs.) :	3
OLA Movements :	NBR,					
FF Movements:	SBR,					

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	105	1,700	0.000	N-S(1): 0.103
	TH	3.00	1,864	5,100	0.365 *	N-S(2): 0.392 *
	LT	2.00	190	3,400	0.056	E-W(1): 0.224 *
Westbound	RT	1.00	56	1,700	0.000	E-W(2): 0.140
	TH	3.00	637	5,100	0.125	
	LT	2.00	368	3,400	0.108 *	V/C: 0.616
Northbound	RT	1.00	111	1,700	0.000	Lost Time: 0.050
	TH	3.00	241	5,100	0.047	ITS: 0.000
	LT	2.00	92	3,400	0.027 *	
Eastbound	RT	1.00	149	1,700	0.067	ICU: 0.666
	TH	3.00	590	5,100	0.116 *	
	LT	2.00	52	3,400	0.015	LOS: B

Date/Time:		PM PEAK HOUR				
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APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	71	1,700	0.000	N-S(1): 0.328 *
	TH	3.00	634	5,100	0.124	N-S(2): 0.253
	LT	2.00	145	3,400	0.043 *	E-W(1): 0.240
Westbound	RT	1.00	306	1,700	0.148	E-W(2): 0.306 *
	TH	3.00	1,213	5,100	0.238 *	
	LT	2.00	339	3,400	0.100	V/C: 0.634
Northbound	RT	1.00	330	1,700	0.094	Lost Time: 0.050
	TH	3.00	1,453	5,100	0.285 *	ITS: 0.000
	LT	2.00	437	3,400	0.129	
Eastbound	RT	1.00	187	1,700	0.014	ICU: 0.684
	TH	3.00	714	5,100	0.140	
	LT	2.00	231	3,400	0.068 *	LOS: B

* - Denotes critical movement

**CITY OF TUSTIN EXISTING PLUS ALTERNATIVE 2
INTERSECTION CAPACITY UTILIZATION (ICU) WORKSHEETS**



Project Title:		El Toro 100 Acre				
Intersection:		16 Newport Av. & Irvine Blvd.				
Description:		Existing Plus Alt2				
Date/Time:		AM PEAK HOUR				
Thru Lane:	1700 vph				N-S Split Phase :	N
Left Lane:	1700 vph				E-W Split Phase :	N
Double Lt Penalty:	0 %				Lost Time (% of cycle) :	5
ITS:	0 %				V/C Round Off (decs.) :	3
OLA Movements :	NBR,					
FF Movements:						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	244	1,700	0.113	N-S(1): 0.118
	TH	3.00	848	5,100	0.166 *	N-S(2): 0.210 *
	LT	1.00	95	1,700	0.056	E-W(1): 0.155
Westbound	RT	1.00	28	1,700	0.000	E-W(2): 0.209 *
	TH	3.00	858	5,100	0.168 *	V/C: 0.419
	LT	2.00	241	3,400	0.071	Lost Time: 0.050
Northbound	RT	1.00	110	1,700	0.000	ITS: 0.000
	TH	3.00	316	5,100	0.062	ICU: 0.469
	LT	1.00	74	1,700	0.044 *	LOS: A
Eastbound	RT	1.00	54	1,700	0.000	
	TH	3.00	428	5,100	0.084	
	LT	2.00	139	3,400	0.041 *	
Date/Time:		PM PEAK HOUR				
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	167	1,700	0.048	N-S(1): 0.239 *
	TH	3.00	476	5,100	0.093	N-S(2): 0.184
	LT	1.00	102	1,700	0.060 *	E-W(1): 0.216
Westbound	RT	1.00	51	1,700	0.000	E-W(2): 0.354 *
	TH	3.00	1,460	5,100	0.286 *	V/C: 0.593
	LT	2.00	177	3,400	0.052	Lost Time: 0.050
Northbound	RT	1.00	246	1,700	0.093	ITS: 0.000
	TH	3.00	911	5,100	0.179 *	ICU: 0.643
	LT	1.00	155	1,700	0.091	LOS: B
Eastbound	RT	1.00	87	1,700	0.000	
	TH	3.00	835	5,100	0.164	
	LT	2.00	230	3,400	0.068 *	

* - Denotes critical movement

Project Title:		El Toro 100 Acre				
Intersection:		34 Red Hill Av. & Irvine Blvd.				
Description:		Existing Plus Alt2				
Date/Time:		AM PEAK HOUR				
Thru Lane:	1700 vph				N-S Split Phase :	N
Left Lane:	1700 vph				E-W Split Phase :	N
Double Lt Penalty:	0 %				Lost Time (% of cycle) :	5
ITS:	0 %				V/C Round Off (decs.) :	3
OLA Movements :						
FF Movements:						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	65	0	0.000	N-S(1): 0.086
	TH	2.00	249	3,400	0.092 *	N-S(2): 0.149 *
	LT	2.00	104	3,400	0.031	E-W(1): 0.267 *
Westbound	RT	0.00	31	0	0.000	E-W(2): 0.242
	TH	3.00	1,145	5,100	0.231	V/C: 0.416
	LT	1.00	141	1,700	0.083 *	Lost Time: 0.050
Northbound	RT	1.00	88	1,700	0.000	ITS: 0.000
	TH	1.00	93	1,700	0.055	ICU: 0.466
	LT	2.00	193	3,400	0.057 *	LOS: A
Eastbound	RT	0.00	266	0	0.000	
	TH	3.00	674	5,100	0.184 *	
	LT	1.00	19	1,700	0.011	
Date/Time:		PM PEAK HOUR				
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	59	0	0.000	N-S(1): 0.188
	TH	2.00	116	3,400	0.051 *	N-S(2): 0.209 *
	LT	2.00	75	3,400	0.022	E-W(1): 0.333
Westbound	RT	0.00	107	0	0.000	E-W(2): 0.456 *
	TH	3.00	1,965	5,100	0.406 *	V/C: 0.665
	LT	1.00	137	1,700	0.081	Lost Time: 0.050
Northbound	RT	1.00	121	1,700	0.011	ITS: 0.000
	TH	1.00	282	1,700	0.166	ICU: 0.715
	LT	2.00	538	3,400	0.158 *	LOS: C
Eastbound	RT	0.00	181	0	0.000	
	TH	3.00	1,102	5,100	0.252	
	LT	1.00	85	1,700	0.050 *	

* - Denotes critical movement

Project Title: El Toro 100 Acre Intersection: 54 Browning Av. & Irvine Blvd. Description: Existing Plus Alt2 Date/Time: AM PEAK HOUR							
Thru Lane:	1700 vph					N-S Split Phase :	N
Left Lane:	1700 vph					E-W Split Phase :	N
Double Lt Penalty:	0 %					Lost Time (% of cycle) :	5
ITS:	0 %					V/C Round Off (decs.) :	3
OLA Movements :							
FF Movements:							
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	41	0	0.000	N-S(1):	0.020
	TH	1.00	27	1,700	0.051 *	N-S(2):	0.067 *
	LT	0.00	18	1,700	0.011	E-W(1):	0.271
Westbound	RT	1.00	18	1,700	0.003	E-W(2):	0.412 *
	TH	2.00	1,342	3,400	0.395 *	V/C:	0.479
	LT	1.00	25	1,700	0.015	Lost Time:	0.050
Northbound	RT	1.00	24	1,700	0.003	ITS:	0.000
	TH	1.00	15	1,700	0.009	ICU:	0.529
	LT	1.00	28	1,700	0.016 *	LOS:	A
Eastbound	RT	1.00	24	1,700	0.002		
	TH	2.00	869	3,400	0.256		
	LT	1.00	29	1,700	0.017 *		
Date/Time: PM PEAK HOUR							
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	27	0	0.000	N-S(1):	0.030
	TH	1.00	18	1,700	0.037 *	N-S(2):	0.089 *
	LT	0.00	18	1,700	0.011	E-W(1):	0.368
Westbound	RT	1.00	17	1,700	0.002	E-W(2):	0.611 *
	TH	2.00	2,023	3,400	0.595 *	V/C:	0.700
	LT	1.00	33	1,700	0.019	Lost Time:	0.050
Northbound	RT	1.00	27	1,700	0.001	ITS:	0.000
	TH	1.00	33	1,700	0.019	ICU:	0.750
	LT	1.00	89	1,700	0.052 *	LOS:	C
Eastbound	RT	1.00	45	1,700	0.000		
	TH	2.00	1,185	3,400	0.349		
	LT	1.00	28	1,700	0.016 *		

* - Denotes critical movement

Project Title: El Toro 100 Acre Intersection: 91 Tustin Ranch Rd. & Irvine Bl. Description: Existing Plus Alt2 Date/Time: AM PEAK HOUR						
Thru Lane:	1700 vph					N-S Split Phase : N
Left Lane:	1700 vph					E-W Split Phase : N
Double Lt Penalty:	0 %					Lost Time (% of cycle) : 5
ITS:	0 %					V/C Round Off (decs.) : 3
OLA Movements :	NBR,					
FF Movements:	SBR,					
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	311	1,700	0.000	N-S(1): 0.112
	TH	3.00	811	5,100	0.159 *	N-S(2): 0.224 *
	LT	1.00	118	1,700	0.069	E-W(1): 0.192
Westbound	RT	1.00	73	1,700	0.000	E-W(2): 0.276 *
	TH	2.00	809	3,400	0.238 *	
	LT	2.00	257	3,400	0.076	V/C: 0.500
Northbound	RT	1.00	116	1,700	0.000	Lost Time: 0.050
	TH	3.00	221	5,100	0.043	ITS: 0.000
	LT	1.00	110	1,700	0.065 *	
Eastbound	RT	1.00	240	1,700	0.093	ICU: 0.550
	TH	3.00	591	5,100	0.116	
	LT	2.00	130	3,400	0.038 *	LOS: A
Date/Time: PM PEAK HOUR						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	331	1,700	0.000	N-S(1): 0.227
	TH	3.00	348	5,100	0.068 *	N-S(2): 0.319 *
	LT	1.00	113	1,700	0.066	E-W(1): 0.190
Westbound	RT	1.00	378	1,700	0.173	E-W(2): 0.459 *
	TH	2.00	1,352	3,400	0.398 *	
	LT	2.00	123	3,400	0.036	V/C: 0.778
Northbound	RT	1.00	279	1,700	0.128	Lost Time: 0.050
	TH	3.00	819	5,100	0.161	ITS: 0.000
	LT	1.00	427	1,700	0.251 *	
Eastbound	RT	1.00	173	1,700	0.000	ICU: 0.828
	TH	3.00	784	5,100	0.154	
	LT	2.00	209	3,400	0.061 *	LOS: D

* - Denotes critical movement

Project Title:	El Toro 100 Acre		
Intersection:	123 Jamboree Rd. & Tustin Ranch Rd.		
Description:	Existing Plus Alt2		
Date/Time:	AM PEAK HOUR		
Thru Lane:	1700 vph	N-S Split Phase :	N
Left Lane:	1700 vph	E-W Split Phase :	Y
Double Lt Penalty:	0 %	Lost Time (% of cycle) :	5
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :	SBR,		
FF Movements:			

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	147	1,700	0.073	N-S(1): 0.079
	TH	2.00	1,752	3,400	0.515 *	N-S(2): 0.519 *
	LT	1.00	11	1,700	0.006	E-W(1): 0.020 *
Westbound	RT	1.00	3	1,700	0.000	E-W(2): 0.000
	TH	1.00	5	1,700	0.003	
	LT	1.00	10	1,700	0.006 *	V/C: 0.539
Northbound	RT	1.00	17	1,700	0.006	Lost Time: 0.050
	TH	2.00	248	3,400	0.073	ITS: 0.000
	LT	1.00	6	1,700	0.004 *	
Eastbound	RT	1.00	5	1,700	0.000	ICU: 0.589
	TH	1.00	7	1,700	0.004	
	LT	2.00	47	3,400	0.014 *	LOS: A

Date/Time:	PM PEAK HOUR		
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APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	52	1,700	0.000	N-S(1): 0.565 *
	TH	2.00	424	3,400	0.125	N-S(2): 0.136
	LT	1.00	9	1,700	0.005 *	E-W(1): 0.091 *
Westbound	RT	1.00	31	1,700	0.014	E-W(2): 0.000
	TH	1.00	35	1,700	0.021	
	LT	1.00	49	1,700	0.029 *	V/C: 0.656
Northbound	RT	1.00	3	1,700	0.000	Lost Time: 0.050
	TH	2.00	1,905	3,400	0.560 *	ITS: 0.000
	LT	1.00	18	1,700	0.011	
Eastbound	RT	1.00	6	1,700	0.000	ICU: 0.706
	TH	1.00	7	1,700	0.004	
	LT	2.00	210	3,400	0.062 *	LOS: C

* - Denotes critical movement

Project Title:		El Toro 100 Acre				
Intersection:		124 Jamboree Rd. & Portola Pkwy.				
Description:		Existing Plus Alt2				
Date/Time:		AM PEAK HOUR				
Thru Lane:	1700 vph				N-S Split Phase :	N
Left Lane:	1700 vph				E-W Split Phase :	N
Double Lt Penalty:	0 %				Lost Time (% of cycle) :	5
ITS:	0 %				V/C Round Off (decs.) :	3
OLA Movements :						
FF Movements:		NBR,				
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	7	0	0.000	N-S(1): 0.192
	TH	3.00	1,197	5,100	0.236 *	N-S(2): 0.242 *
	LT	2.00	542	3,400	0.159	E-W(1): 0.095 *
Westbound	RT	1.00	124	1,700	0.000	E-W(2): 0.060
	TH	2.00	201	3,400	0.059	
	LT	2.00	158	3,400	0.046 *	V/C: 0.337
Northbound	RT	1.00	107	1,700	0.000	Lost Time: 0.050
	TH	3.00	167	5,100	0.033	ITS: 0.000
	LT	2.00	21	3,400	0.006 *	
Eastbound	RT	1.00	37	1,700	0.017	ICU: 0.387
	TH	2.00	168	3,400	0.049 *	
	LT	1.00	2	1,700	0.001	LOS: A
Date/Time:		PM PEAK HOUR				
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	11	0	0.000	N-S(1): 0.272 *
	TH	3.00	307	5,100	0.062	N-S(2): 0.084
	LT	2.00	159	3,400	0.047 *	E-W(1): 0.105
Westbound	RT	1.00	808	1,700	0.440 *	E-W(2): 0.459 *
	TH	2.00	432	3,400	0.127	
	LT	2.00	184	3,400	0.054	V/C: 0.731
Northbound	RT	1.00	152	1,700	0.000	Lost Time: 0.050
	TH	3.00	1,148	5,100	0.225 *	ITS: 0.000
	LT	2.00	75	3,400	0.022	
Eastbound	RT	1.00	59	1,700	0.018	ICU: 0.781
	TH	2.00	174	3,400	0.051	
	LT	1.00	33	1,700	0.019 *	LOS: C

* - Denotes critical movement

Project Title:	El Toro 100 Acre		
Intersection:	125 Jamboree Rd. & Irvine Bl.		
Description:	Existing Plus Alt2		
Date/Time:	AM PEAK HOUR		
Thru Lane:	1700 vph	N-S Split Phase :	N
Left Lane:	1700 vph	E-W Split Phase :	N
Double Lt Penalty:	0 %	Lost Time (% of cycle) :	5
ITS:	0 %	V/C Round Off (decs.) :	3
OLA Movements :	NBR,		
FF Movements:	SBR,		

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	104	1,700	0.000	N-S(1): 0.104
	TH	3.00	1,860	5,100	0.365 *	N-S(2): 0.392 *
	LT	2.00	195	3,400	0.057	E-W(1): 0.230 *
Westbound	RT	1.00	55	1,700	0.000	E-W(2): 0.139
	TH	3.00	629	5,100	0.123	
	LT	2.00	367	3,400	0.108 *	V/C: 0.622
Northbound	RT	1.00	113	1,700	0.000	Lost Time: 0.050
	TH	3.00	240	5,100	0.047	ITS: 0.000
	LT	2.00	91	3,400	0.027 *	
Eastbound	RT	1.00	153	1,700	0.070	ICU: 0.672
	TH	3.00	623	5,100	0.122 *	
	LT	2.00	55	3,400	0.016	LOS: B

Date/Time:	PM PEAK HOUR		
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APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	73	1,700	0.000	N-S(1): 0.327 *
	TH	3.00	635	5,100	0.125	N-S(2): 0.255
	LT	2.00	142	3,400	0.042 *	E-W(1): 0.236
Westbound	RT	1.00	306	1,700	0.149	E-W(2): 0.309 *
	TH	3.00	1,234	5,100	0.242 *	
	LT	2.00	338	3,400	0.099	V/C: 0.636
Northbound	RT	1.00	326	1,700	0.092	Lost Time: 0.050
	TH	3.00	1,452	5,100	0.285 *	ITS: 0.000
	LT	2.00	443	3,400	0.130	
Eastbound	RT	1.00	185	1,700	0.011	ICU: 0.686
	TH	3.00	697	5,100	0.137	
	LT	2.00	228	3,400	0.067 *	LOS: B

* - Denotes critical movement

**CITY OF TUSTIN EXISTING PLUS ALTERNATIVE 3
INTERSECTION CAPACITY UTILIZATION (ICU) WORKSHEETS**



Project Title:		El Toro 100 Acre				
Intersection:		16 Newport Av. & Irvine Blvd.				
Description:		Existing Plus Alt3				
Date/Time:		AM PEAK HOUR				
Thru Lane:	1700 vph				N-S Split Phase :	N
Left Lane:	1700 vph				E-W Split Phase :	N
Double Lt Penalty:	0 %				Lost Time (% of cycle) :	5
ITS:	0 %				V/C Round Off (decs.) :	3
OLA Movements :	NBR,					
FF Movements:						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	242	1,700	0.111	N-S(1): 0.118
	TH	3.00	850	5,100	0.167 *	N-S(2): 0.209 *
	LT	1.00	95	1,700	0.056	E-W(1): 0.157
Westbound	RT	1.00	29	1,700	0.000	E-W(2): 0.210 *
	TH	3.00	861	5,100	0.169 *	V/C: 0.419
	LT	2.00	255	3,400	0.075	Lost Time: 0.050
Northbound	RT	1.00	104	1,700	0.000	ITS: 0.000
	TH	3.00	316	5,100	0.062	ICU: 0.469
	LT	1.00	72	1,700	0.042 *	LOS: A
Eastbound	RT	1.00	54	1,700	0.000	
	TH	3.00	418	5,100	0.082	
	LT	2.00	141	3,400	0.041 *	
Date/Time:		PM PEAK HOUR				
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	165	1,700	0.047	N-S(1): 0.239 *
	TH	3.00	475	5,100	0.093	N-S(2): 0.184
	LT	1.00	102	1,700	0.060 *	E-W(1): 0.217
Westbound	RT	1.00	51	1,700	0.000	E-W(2): 0.352 *
	TH	3.00	1,451	5,100	0.285 *	V/C: 0.591
	LT	2.00	178	3,400	0.052	Lost Time: 0.050
Northbound	RT	1.00	251	1,700	0.095	ITS: 0.000
	TH	3.00	912	5,100	0.179 *	ICU: 0.641
	LT	1.00	154	1,700	0.091	LOS: B
Eastbound	RT	1.00	88	1,700	0.000	
	TH	3.00	840	5,100	0.165	
	LT	2.00	229	3,400	0.067 *	

* - Denotes critical movement

Project Title: El Toro 100 Acre Intersection: 34 Red Hill Av. & Irvine Blvd. Description: Existing Plus Alt3 Date/Time: AM PEAK HOUR						
Thru Lane:	1700 vph					N-S Split Phase : N
Left Lane:	1700 vph					E-W Split Phase : N
Double Lt Penalty:	0 %					Lost Time (% of cycle) : 5
ITS:	0 %					V/C Round Off (decs.) : 3
OLA Movements :						
FF Movements:						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	68	0	0.000	N-S(1): 0.086
	TH	2.00	256	3,400	0.095 *	N-S(2): 0.152 *
	LT	2.00	105	3,400	0.031	E-W(1): 0.267 *
Westbound	RT	0.00	31	0	0.000	E-W(2): 0.245
	TH	3.00	1,162	5,100	0.234	
	LT	1.00	144	1,700	0.085 *	V/C: 0.419
Northbound	RT	1.00	86	1,700	0.000	Lost Time: 0.050
	TH	1.00	93	1,700	0.055	ITS: 0.000
	LT	2.00	194	3,400	0.057 *	
Eastbound	RT	0.00	269	0	0.000	ICU: 0.469
	TH	3.00	660	5,100	0.182 *	
	LT	1.00	19	1,700	0.011	LOS: A
Date/Time: PM PEAK HOUR						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	59	0	0.000	N-S(1): 0.188
	TH	2.00	116	3,400	0.051 *	N-S(2): 0.209 *
	LT	2.00	75	3,400	0.022	E-W(1): 0.335
Westbound	RT	0.00	107	0	0.000	E-W(2): 0.455 *
	TH	3.00	1,956	5,100	0.405 *	
	LT	1.00	137	1,700	0.081	V/C: 0.664
Northbound	RT	1.00	122	1,700	0.011	Lost Time: 0.050
	TH	1.00	282	1,700	0.166	ITS: 0.000
	LT	2.00	537	3,400	0.158 *	
Eastbound	RT	0.00	181	0	0.000	ICU: 0.714
	TH	3.00	1,113	5,100	0.254	
	LT	1.00	85	1,700	0.050 *	LOS: C

* - Denotes critical movement

Project Title: El Toro 100 Acre Intersection: 54 Browning Av. & Irvine Blvd. Description: Existing Plus Alt3 Date/Time: AM PEAK HOUR							
Thru Lane:	1700 vph					N-S Split Phase :	N
Left Lane:	1700 vph					E-W Split Phase :	N
Double Lt Penalty:	0 %					Lost Time (% of cycle) :	5
ITS:	0 %					V/C Round Off (decs.) :	3
OLA Movements :							
FF Movements:							
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	35	0	0.000	N-S(1):	0.018
	TH	1.00	28	1,700	0.046 *	N-S(2):	0.062 *
	LT	0.00	15	1,700	0.009	E-W(1):	0.268
Westbound	RT	1.00	18	1,700	0.004	E-W(2):	0.415 *
	TH	2.00	1,358	3,400	0.399 *	V/C:	0.477
	LT	1.00	29	1,700	0.017	Lost Time:	0.050
Northbound	RT	1.00	24	1,700	0.001	ITS:	0.000
	TH	1.00	15	1,700	0.009	ICU:	0.527
	LT	1.00	28	1,700	0.016 *	LOS:	A
Eastbound	RT	1.00	29	1,700	0.005		
	TH	2.00	852	3,400	0.251		
	LT	1.00	28	1,700	0.016 *		
Date/Time: PM PEAK HOUR							
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS	
Southbound	RT	0.00	27	0	0.000	N-S(1):	0.030
	TH	1.00	18	1,700	0.037 *	N-S(2):	0.089 *
	LT	0.00	18	1,700	0.011	E-W(1):	0.370
Westbound	RT	1.00	17	1,700	0.002	E-W(2):	0.608 *
	TH	2.00	2,013	3,400	0.592 *	V/C:	0.697
	LT	1.00	33	1,700	0.019	Lost Time:	0.050
Northbound	RT	1.00	27	1,700	0.001	ITS:	0.000
	TH	1.00	33	1,700	0.019	ICU:	0.747
	LT	1.00	89	1,700	0.052 *	LOS:	C
Eastbound	RT	1.00	45	1,700	0.000		
	TH	2.00	1,195	3,400	0.351		
	LT	1.00	28	1,700	0.016 *		

* - Denotes critical movement

Project Title: El Toro 100 Acre Intersection: 91 Tustin Ranch Rd. & Irvine Bl. Description: Existing Plus Alt3						
Date/Time: AM PEAK HOUR						
Thru Lane:	1700 vph					N-S Split Phase : N
Left Lane:	1700 vph					E-W Split Phase : N
Double Lt Penalty:	0 %					Lost Time (% of cycle) : 5
ITS:	0 %					V/C Round Off (decs.) : 3
OLA Movements :	NBR,					
FF Movements:	SBR,					
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	312	1,700	0.000	N-S(1): 0.108
	TH	3.00	816	5,100	0.160 *	N-S(2): 0.226 *
	LT	1.00	108	1,700	0.064	E-W(1): 0.187
Westbound	RT	1.00	72	1,700	0.000	E-W(2): 0.277 *
	TH	2.00	814	3,400	0.239 *	V/C: 0.503
	LT	2.00	258	3,400	0.076	Lost Time: 0.050
Northbound	RT	1.00	112	1,700	0.000	ITS: 0.000
	TH	3.00	222	5,100	0.044	
	LT	1.00	112	1,700	0.066 *	ICU: 0.553
Eastbound	RT	1.00	244	1,700	0.094	
	TH	3.00	565	5,100	0.111	LOS: A
	LT	2.00	130	3,400	0.038 *	
Date/Time: PM PEAK HOUR						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	332	1,700	0.000	N-S(1): 0.227
	TH	3.00	348	5,100	0.068 *	N-S(2): 0.322 *
	LT	1.00	113	1,700	0.066	E-W(1): 0.191
Westbound	RT	1.00	374	1,700	0.170	E-W(2): 0.455 *
	TH	2.00	1,338	3,400	0.394 *	V/C: 0.777
	LT	2.00	122	3,400	0.036	Lost Time: 0.050
Northbound	RT	1.00	281	1,700	0.129	ITS: 0.000
	TH	3.00	823	5,100	0.161	
	LT	1.00	432	1,700	0.254 *	ICU: 0.827
Eastbound	RT	1.00	174	1,700	0.000	
	TH	3.00	792	5,100	0.155	LOS: D
	LT	2.00	209	3,400	0.061 *	

* - Denotes critical movement

Project Title:		El Toro 100 Acre				
Intersection:		123 Jamboree Rd. & Tustin Ranch Rd.				
Description:		Existing Plus Alt3				
Date/Time:		AM PEAK HOUR				
Thru Lane:	1700 vph				N-S Split Phase :	N
Left Lane:	1700 vph				E-W Split Phase :	Y
Double Lt Penalty:	0 %				Lost Time (% of cycle) :	5
ITS:	0 %				V/C Round Off (decs.) :	3
OLA Movements :	SBR,					
FF Movements:						
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	146	1,700	0.072	N-S(1): 0.082
	TH	2.00	1,752	3,400	0.515 *	N-S(2): 0.519 *
	LT	1.00	11	1,700	0.006	E-W(1): 0.020 *
Westbound	RT	1.00	3	1,700	0.000	E-W(2): 0.000
	TH	1.00	5	1,700	0.003	
	LT	1.00	10	1,700	0.006 *	V/C: 0.539
Northbound	RT	1.00	17	1,700	0.006	Lost Time: 0.050
	TH	2.00	258	3,400	0.076	ITS: 0.000
	LT	1.00	7	1,700	0.004 *	
Eastbound	RT	1.00	5	1,700	0.000	ICU: 0.589
	TH	1.00	7	1,700	0.004	
	LT	2.00	47	3,400	0.014 *	LOS: A
Date/Time:		PM PEAK HOUR				
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	51	1,700	0.000	N-S(1): 0.563 *
	TH	2.00	423	3,400	0.124	N-S(2): 0.135
	LT	1.00	9	1,700	0.005 *	E-W(1): 0.090 *
Westbound	RT	1.00	31	1,700	0.014	E-W(2): 0.000
	TH	1.00	35	1,700	0.021	
	LT	1.00	49	1,700	0.029 *	V/C: 0.653
Northbound	RT	1.00	3	1,700	0.000	Lost Time: 0.050
	TH	2.00	1,896	3,400	0.558 *	ITS: 0.000
	LT	1.00	19	1,700	0.011	
Eastbound	RT	1.00	7	1,700	0.000	ICU: 0.703
	TH	1.00	7	1,700	0.004	
	LT	2.00	209	3,400	0.061 *	LOS: C

* - Denotes critical movement

Project Title:		El Toro 100 Acre				
Intersection:		124 Jamboree Rd. & Portola Pkwy.				
Description:		Existing Plus Alt3				
Date/Time:		AM PEAK HOUR				
Thru Lane:	1700 vph			N-S Split Phase :	N	
Left Lane:	1700 vph			E-W Split Phase :	N	
Double Lt Penalty:	0 %			Lost Time (% of cycle) :	5	
ITS:	0 %			V/C Round Off (decs.) :	3	
OLA Movements :						
FF Movements:		NBR,				
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	7	0	0.000	N-S(1): 0.191
	TH	3.00	1,204	5,100	0.237 *	N-S(2): 0.243 *
	LT	2.00	534	3,400	0.157	E-W(1): 0.094 *
Westbound	RT	1.00	134	1,700	0.000	E-W(2): 0.065
	TH	2.00	218	3,400	0.064	
	LT	2.00	162	3,400	0.048 *	V/C: 0.337
Northbound	RT	1.00	102	1,700	0.000	Lost Time: 0.050
	TH	3.00	171	5,100	0.034	ITS: 0.000
	LT	2.00	21	3,400	0.006 *	
Eastbound	RT	1.00	36	1,700	0.017	ICU: 0.387
	TH	2.00	158	3,400	0.046 *	
	LT	1.00	2	1,700	0.001	LOS: A
Date/Time:		PM PEAK HOUR				
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	11	0	0.000	N-S(1): 0.272 *
	TH	3.00	309	5,100	0.063	N-S(2): 0.085
	LT	2.00	157	3,400	0.046 *	E-W(1): 0.106
Westbound	RT	1.00	803	1,700	0.438 *	E-W(2): 0.458 *
	TH	2.00	431	3,400	0.127	
	LT	2.00	180	3,400	0.053	V/C: 0.730
Northbound	RT	1.00	147	1,700	0.000	Lost Time: 0.050
	TH	3.00	1,152	5,100	0.226 *	ITS: 0.000
	LT	2.00	75	3,400	0.022	
Eastbound	RT	1.00	62	1,700	0.020	ICU: 0.780
	TH	2.00	181	3,400	0.053	
	LT	1.00	34	1,700	0.020 *	LOS: C

* - Denotes critical movement

Project Title:		El Toro 100 Acre				
Intersection:		125 Jamboree Rd. & Irvine Bl.				
Description:		Existing Plus Alt3				
Date/Time:		AM PEAK HOUR				
Thru Lane:	1700 vph				N-S Split Phase :	N
Left Lane:	1700 vph				E-W Split Phase :	N
Double Lt Penalty:	0 %				Lost Time (% of cycle) :	5
ITS:	0 %				V/C Round Off (decs.) :	3
OLA Movements :	NBR,					
FF Movements:	SBR,					
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	107	1,700	0.000	N-S(1): 0.102
	TH	3.00	1,863	5,100	0.365 *	N-S(2): 0.393 *
	LT	2.00	188	3,400	0.055	E-W(1): 0.223 *
Westbound	RT	1.00	56	1,700	0.000	E-W(2): 0.141
	TH	3.00	641	5,100	0.126	
	LT	2.00	365	3,400	0.107 *	V/C: 0.616
Northbound	RT	1.00	111	1,700	0.000	Lost Time: 0.050
	TH	3.00	241	5,100	0.047	ITS: 0.000
	LT	2.00	94	3,400	0.028 *	
Eastbound	RT	1.00	149	1,700	0.067	ICU: 0.666
	TH	3.00	590	5,100	0.116 *	
	LT	2.00	52	3,400	0.015	LOS: B
Date/Time:		PM PEAK HOUR				
APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	72	1,700	0.000	N-S(1): 0.327 *
	TH	3.00	635	5,100	0.125	N-S(2): 0.254
	LT	2.00	144	3,400	0.042 *	E-W(1): 0.238
Westbound	RT	1.00	307	1,700	0.149	E-W(2): 0.308 *
	TH	3.00	1,222	5,100	0.240 *	
	LT	2.00	340	3,400	0.100	V/C: 0.635
Northbound	RT	1.00	328	1,700	0.093	Lost Time: 0.050
	TH	3.00	1,454	5,100	0.285 *	ITS: 0.000
	LT	2.00	438	3,400	0.129	
Eastbound	RT	1.00	186	1,700	0.013	ICU: 0.685
	TH	3.00	706	5,100	0.138	
	LT	2.00	230	3,400	0.068 *	LOS: B

* - Denotes critical movement