

**ATTACHMENT B: SITE ACCESS (NO RIDGE VALLEY ACCESS) INTERSECTION ICU
CALCULATIONS**

Project Title: EL TORO 100 ACRE
Intersection: MARINE WAY & RIDGE VALLEY
Description: YEAR 2035 WITH PROPOSED PROJECT (NO RIDGE VALLEY ACCESS)

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: 20 %	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	1.00	270	1,700	0.110	N-S(1): 0.194 * N-S(2): 0.110 E-W(1): 0.435 * E-W(2): 0.400
	TH	0.00	0	0	0.000	
	LT	1.00	330	1,700	0.194 *	
Westbound	RT	1.00	100	1,700	0.059	V/C: 0.629 Lost Time: 0.050 ITS: 0.000
	TH	2.00	1,140	3,400	0.335	
	LT	0.00	0	0	0.000 *	
Northbound	RT	0.00	0	0	0.000	ICU: 0.679
	TH	0.00	0	0	0.000 *	
	LT	0.00	0	0	0.000	
Eastbound	RT	0.00	0	0	0.000	LOS: B
	TH	2.00	1,480	3,400	0.435 *	
	LT	1.00	110	1,700	0.065	

Date/Time: PM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	1.00	260	1,700	0.091	N-S(1): 0.171 * N-S(2): 0.091 E-W(1): 0.553 E-W(2): 0.573 *
	TH	0.00	0	0	0.000	
	LT	1.00	290	1,700	0.171 *	
Westbound	RT	1.00	310	1,700	0.182	V/C: 0.744 Lost Time: 0.050 ITS: 0.000
	TH	2.00	1,670	3,400	0.491 *	
	LT	0.00	0	0	0.000	
Northbound	RT	0.00	0	0	0.000	ICU: 0.794
	TH	0.00	0	0	0.000 *	
	LT	0.00	0	0	0.000	
Eastbound	RT	0.00	0	0	0.000	LOS: C
	TH	2.00	1,880	3,400	0.553	
	LT	1.00	140	1,700	0.082 *	

* - Denotes critical movement

Project Title: EL TORO 100 ACRE
Intersection: MARINE WAY & E STREET
Description: YEAR 2035 WITH PROPOSED PROJECT (NO RIDGE VALLEY ACCESS)

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: 20 %	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	0	0	0.000	N-S(1): 0.000
	TH	0.00	0	0	0.000 *	N-S(2): 0.188 *
	LT	0.00	0	0	0.000	E-W(1): 0.467 *
Westbound	RT	0.00	0	0	0.000	E-W(2): 0.271
	TH	2.00	920	3,400	0.271	V/C: 0.655
	LT	1.00	50	1,700	0.029 *	Lost Time: 0.050
Northbound	RT	1.00	30	1,700	0.000	ITS: 0.000
	TH	0.00	0	0	0.000	
	LT	1.00	320	1,700	0.188 *	ICU: 0.705
Eastbound	RT	1.00	320	1,700	0.188	
	TH	2.00	1,490	3,400	0.438 *	LOS: C
	LT	0.00	0	0	0.000	

Date/Time: PM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	0	0	0.000	N-S(1): 0.000
	TH	0.00	0	0	0.000 *	N-S(2): 0.235 *
	LT	0.00	0	0	0.000	E-W(1): 0.600 *
Westbound	RT	0.00	0	0	0.000	E-W(2): 0.465
	TH	2.00	1,580	3,400	0.465	V/C: 0.835
	LT	1.00	110	1,700	0.065 *	Lost Time: 0.050
Northbound	RT	1.00	30	1,700	0.000	ITS: 0.000
	TH	0.00	0	0	0.000	
	LT	1.00	400	1,700	0.235 *	ICU: 0.885
Eastbound	RT	1.00	350	1,700	0.206	
	TH	2.00	1,820	3,400	0.535 *	LOS: D
	LT	0.00	0	0	0.000	

* - Denotes critical movement

Project Title: EL TORO 100 ACRE
Intersection: MARINE WAY & GREAT PARK BOULEVARD WEST
Description: YEAR 2035 WITH PROPOSED PROJECT (NO RIDGE VALLEY ACCESS)

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: 20 %	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	70	1,700	0.041 *	N-S(1): 0.077
	TH	2.00	20	1,700	0.012	N-S(2): 0.135 *
	LT	1.00	10	1,700	0.006	E-W(1): 0.365 *
Westbound	RT	0.00	10	0	0.000	E-W(2): 0.303
	TH	2.00	740	3,400	0.221	V/C: 0.500
	LT	1.00	10	1,700	0.006 *	Lost Time: 0.050
Northbound	RT	0.00	10	0	0.000	ITS: 0.000
	TH	1.00	110	1,700	0.071	
	LT	1.00	160	1,700	0.094 *	
Eastbound	RT	1.00	160	1,700	0.024	ICU: 0.550
	TH	2.00	1,220	3,400	0.359 *	
	LT	1.00	140	1,700	0.082	LOS: A

Date/Time: PM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	310	1,700	0.182 *	N-S(1): 0.194
	TH	2.00	100	1,700	0.059	N-S(2): 0.347 *
	LT	1.00	10	1,700	0.006	E-W(1): 0.400
Westbound	RT	0.00	10	0	0.000	E-W(2): 0.461 *
	TH	2.00	1,100	3,400	0.326 *	V/C: 0.808
	LT	1.00	40	1,700	0.024	Lost Time: 0.050
Northbound	RT	0.00	50	0	0.000	ITS: 0.000
	TH	1.00	270	1,700	0.188	
	LT	1.00	280	1,700	0.165 *	
Eastbound	RT	1.00	340	1,700	0.076	ICU: 0.858
	TH	2.00	1,280	3,400	0.376	
	LT	1.00	230	1,700	0.135 *	LOS: D

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Project Title: EL TORO 100 ACRE
Intersection: MARINE WAY & I STREET
Description: YEAR 2035 WITH PROPOSED PROJECT (NO RIDGE VALLEY ACCESS)

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:	20 %	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	0	0	0.000	N-S(1): 0.082 *
	TH	0.00	0	0	0.000	N-S(2): 0.000
	LT	0.00	0	0	0.000 *	E-W(1): 0.344 *
Westbound	RT	0.00	0	0	0.000	E-W(2): 0.224
	TH	2.00	760	3,400	0.224	V/C: 0.426
	LT	0.00	0	0	0.000 *	Lost Time: 0.050
Northbound	RT	1.00	140	1,700	0.082 *	ITS: 0.000
	TH	0.00	0	0	0.000	ICU: 0.476
	LT	0.00	0	0	0.000	LOS: A
Eastbound	RT	1.00	70	1,700	0.041	
	TH	2.00	1,170	3,400	0.344 *	
	LT	0.00	0	0	0.000	

Date/Time: PM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	0	0	0.000	N-S(1): 0.076 *
	TH	0.00	0	0	0.000	N-S(2): 0.000
	LT	0.00	0	0	0.000 *	E-W(1): 0.350 *
Westbound	RT	0.00	0	0	0.000	E-W(2): 0.338
	TH	2.00	1,150	3,400	0.338	V/C: 0.426
	LT	0.00	0	0	0.000 *	Lost Time: 0.050
Northbound	RT	1.00	130	1,700	0.076 *	ITS: 0.000
	TH	0.00	0	0	0.000	ICU: 0.476
	LT	0.00	0	0	0.000	LOS: A
Eastbound	RT	1.00	150	1,700	0.088	
	TH	2.00	1,190	3,400	0.350 *	
	LT	0.00	0	0	0.000	

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Project Title: EL TORO 100 ACRE
Intersection: MARINE WAY & J STREET
Description: YEAR 2035 WITH PROPOSED PROJECT (NO RIDGE VALLEY ACCESS)

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: 20 %	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	0	0	0.000	N-S(1): 0.129 *
	TH	0.00	0	0	0.000	N-S(2): 0.000
	LT	0.00	0	0	0.000 *	E-W(1): 0.338 *
Westbound	RT	0.00	0	0	0.000	E-W(2): 0.224
	TH	2.00	760	3,400	0.224	
	LT	0.00	0	0	0.000 *	V/C: 0.467
Northbound	RT	1.00	220	1,700	0.129 *	Lost Time: 0.050
	TH	0.00	0	0	0.000	ITS: 0.000
	LT	0.00	0	0	0.000	
Eastbound	RT	1.00	160	1,700	0.094	ICU: 0.517
	TH	2.00	1,150	3,400	0.338 *	
	LT	0.00	0	0	0.000	LOS: A

Date/Time: PM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	0	0	0.000	N-S(1): 0.100 *
	TH	0.00	0	0	0.000	N-S(2): 0.000
	LT	0.00	0	0	0.000 *	E-W(1): 0.347 *
Westbound	RT	0.00	0	0	0.000	E-W(2): 0.338
	TH	2.00	1,150	3,400	0.338	
	LT	0.00	0	0	0.000 *	V/C: 0.447
Northbound	RT	1.00	170	1,700	0.100 *	Lost Time: 0.050
	TH	0.00	0	0	0.000	ITS: 0.000
	LT	0.00	0	0	0.000	
Eastbound	RT	1.00	140	1,700	0.082	ICU: 0.497
	TH	2.00	1,180	3,400	0.347 *	
	LT	0.00	0	0	0.000	LOS: A

* - Denotes critical movement

Project Title: EL TORO 100 ACRE
Intersection: MARINE WAY & K STREET
Description: YEAR 2035 WITH PROPOSED PROJECT (NO RIDGE VALLEY ACCESS)

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: 20 %	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	0	0	0.000	N-S(1): 0.000
	TH	0.00	0	0	0.000 *	N-S(2): 0.053 *
	LT	0.00	0	0	0.000	E-W(1): 0.547 *
Westbound	RT	0.00	0	0	0.000	E-W(2): 0.197
	TH	2.00	670	3,400	0.197	
	LT	1.00	330	1,700	0.194 *	V/C: 0.600
Northbound	RT	1.00	90	1,700	0.000	Lost Time: 0.050
	TH	0.00	0	0	0.000	ITS: 0.000
	LT	1.00	90	1,700	0.053 *	
Eastbound	RT	1.00	170	1,700	0.100	ICU: 0.650
	TH	2.00	1,200	3,400	0.353 *	
	LT	0.00	0	0	0.000	LOS: B

Date/Time: PM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	0	0	0.000	N-S(1): 0.062
	TH	0.00	0	0	0.000 *	N-S(2): 0.194 *
	LT	0.00	0	0	0.000	E-W(1): 0.491 *
Westbound	RT	0.00	0	0	0.000	E-W(2): 0.241
	TH	2.00	820	3,400	0.241	
	LT	1.00	220	1,700	0.129 *	V/C: 0.685
Northbound	RT	1.00	270	1,700	0.062	Lost Time: 0.050
	TH	0.00	0	0	0.000	ITS: 0.000
	LT	1.00	330	1,700	0.194 *	
Eastbound	RT	1.00	120	1,700	0.071	ICU: 0.735
	TH	2.00	1,230	3,400	0.362 *	
	LT	0.00	0	0	0.000	LOS: C

* - Denotes critical movement

Project Title: EL TORO 100 ACRE
Intersection: MARINE WAY & L STREET
Description: YEAR 2035 WITH PROPOSED PROJECT (NO RIDGE VALLEY ACCESS)

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: 20 %	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	0	0	0.000	N-S(1): 0.053 *
	TH	0.00	0	0	0.000	N-S(2): 0.000
	LT	0.00	0	0	0.000 *	E-W(1): 0.306 *
Westbound	RT	0.00	0	0	0.000	E-W(2): 0.294
	TH	2.00	1,000	3,400	0.294	
	LT	0.00	0	0	0.000 *	V/C: 0.359
Northbound	RT	1.00	90	1,700	0.053 *	Lost Time: 0.050
	TH	0.00	0	0	0.000	ITS: 0.000
	LT	0.00	0	0	0.000	
Eastbound	RT	1.00	250	1,700	0.147	ICU: 0.409
	TH	2.00	1,040	3,400	0.306 *	
	LT	0.00	0	0	0.000	LOS: A

Date/Time: PM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	0	0	0.000	N-S(1): 0.124 *
	TH	0.00	0	0	0.000	N-S(2): 0.000
	LT	0.00	0	0	0.000 *	E-W(1): 0.406 *
Westbound	RT	0.00	0	0	0.000	E-W(2): 0.306
	TH	2.00	1,040	3,400	0.306	
	LT	0.00	0	0	0.000 *	V/C: 0.530
Northbound	RT	1.00	210	1,700	0.124 *	Lost Time: 0.050
	TH	0.00	0	0	0.000	ITS: 0.000
	LT	0.00	0	0	0.000	
Eastbound	RT	1.00	120	1,700	0.071	ICU: 0.580
	TH	2.00	1,380	3,400	0.406 *	
	LT	0.00	0	0	0.000	LOS: A

* - Denotes critical movement

Project Title: EL TORO 100 ACRE
Intersection: MARINE WAY & M STREET
Description: YEAR 2035 WITH PROPOSED PROJECT (NO RIDGE VALLEY ACCESS)

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: 20 %	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	0	0	0.000	N-S(1): 0.000
	TH	0.00	0	0	0.000 *	N-S(2): 0.029 *
	LT	0.00	0	0	0.000	E-W(1): 0.520 *
Westbound	RT	0.00	0	0	0.000	E-W(2): 0.279
	TH	2.00	950	3,400	0.279	
	LT	1.00	410	1,700	0.241 *	V/C: 0.549
Northbound	RT	1.00	110	1,700	0.000	Lost Time: 0.050
	TH	0.00	0	0	0.000	ITS: 0.000
	LT	1.00	50	1,700	0.029 *	
Eastbound	RT	1.00	180	1,700	0.106	ICU: 0.599
	TH	2.00	950	3,400	0.279 *	
	LT	0.00	0	0	0.000	LOS: A

Date/Time: PM PEAK HOUR

APPROACH	MVMT	LANES	VOLUME	CAPACITY	V/C	ICU ANALYSIS
Southbound	RT	0.00	0	0	0.000	N-S(1): 0.000
	TH	0.00	0	0	0.000 *	N-S(2): 0.118 *
	LT	0.00	0	0	0.000	E-W(1): 0.680 *
Westbound	RT	0.00	0	0	0.000	E-W(2): 0.247
	TH	2.00	840	3,400	0.247	
	LT	1.00	370	1,700	0.218 *	V/C: 0.798
Northbound	RT	1.00	270	1,700	0.000	Lost Time: 0.050
	TH	0.00	0	0	0.000	ITS: 0.000
	LT	1.00	200	1,700	0.118 *	
Eastbound	RT	1.00	20	1,700	0.012	ICU: 0.848
	TH	2.00	1,570	3,400	0.462 *	
	LT	0.00	0	0	0.000	LOS: D

* - Denotes critical movement