

Summary of Results for Completed Regional Traffic Signal Synchronization Projects

	Corridor Name	Timing Completed	Lead Agency	Length (Miles)	Signals	M1 / M2 Grant Board Allocation	Project Life Fuel Consumed Savings (gal)	Estimated Project Life Gas Savings (Dollars)^	Estimated Project Life Greenhouse Gas Savings (lbs.)	Travel Time Improvement	Average Speed Improvement	Stops Improvement
1	Euclid Street*	2008	OCTA	15	62	\$450,000	792,726	\$ 3,091,631	16,188,276	20%	24%	43%
2	Pacific Park/Oso Parkway*	2009	OCTA	9	34	\$250,000	935,223	\$ 3,647,370	19,098,249	22%	29%	50%
3	Alicia Parkway	2010	OCTA	11	41	\$945,000	206,667	\$ 806,001	4,220,358	13%	12%	40%
4	Beach Boulevard	2010	OCTA	21	70	\$1,300,000	2,684,544	\$ 10,469,722	54,821,202	14%	21%	28%
5	Chapman Avenue (South)	2010	OCTA	14	52	\$800,000	831,969	\$ 3,244,679	16,989,696	16%	18%	46%
6	Edinger/Irvine Center Drive/Moulton*	2011	OCTA	22.3	109	\$846,000	1,181,976	\$ 4,609,706	24,137,220	11%	14%	34%
7	Harbor Boulevard*	2011	OCTA	16	107	\$520,000	827,208	\$ 3,226,111	16,892,430	11%	12%	23%
8	Orangethorpe Avenue	2011	OCTA	17	47	\$698,000	681,804	\$ 2,659,036	13,923,183	17%	20%	42%
9	State College/Bristol Street*	2011	OCTA	17	97	\$760,000	1,048,650	\$ 4,089,735	21,414,531	15%	18%	28%
10	Westminster Avenue	2011	OCTA	13	48	\$620,000	1,085,484	\$ 4,233,390	22,166,736	14%	17%	35%
11	Brookhurst Street	2012	OCTA	16	56	\$631,764	2,012,875	\$ 7,850,213	41,105,031	19%	18%	31%
12	El Toro Road*	2012	OCTA	11	40	\$478,916	846,879	\$ 3,302,828	17,294,160	19%	24%	32%
13	Katella Avenue	2012	OCTA	17	69	\$673,845	1,137,363	\$ 4,435,716	23,226,165	14%	14%	36%
14	La Palma Avenue	2012	OCTA	18	61	\$803,999	1,610,653	\$ 6,281,546	32,391,229	18%	22%	27%
15	Bastanchury Road	2013	Fullerton	8	27	\$539,936	270,002	\$ 1,053,007	5,513,723	13%	15%	49%
16	Euclid Street*	2013	Fullerton	17	66	\$1,000,000	1,106,675	\$ 4,316,031	22,599,458	15%	17%	39%
17	Tustin/Rose Drive	2013	OCTA	10	43	\$683,200	592,267	\$ 2,309,842	12,094,717	15%	17%	37%
18	Yorba Linda Boulevard	2013	OCTA	12	46	\$521,837	465,049	\$ 1,813,693	9,496,799	12%	10%	21%
19	Culver Drive	2014	Irvine	11	39	\$779,856	929,653	\$ 3,625,648	18,984,498	12%	12%	19%
20	Fairview Road/Street	2014	Costa Mesa	8	31	\$620,001	444,993	\$ 1,735,472	9,087,220	11%	12%	24%
21	Jamboree Road	2014	Irvine	9	27	\$230,608	813,645	\$ 3,173,217	16,615,495	9%	9%	19%
22	Jeffrey Road	2014	Irvine	9	40	\$410,032	489,977	\$ 1,910,910	10,005,845	9%	10%	26%
23	Lincoln Avenue	2014	Anaheim	13	53	\$777,910	401,102	\$ 1,564,300	8,190,935	9%	15%	25%
24	MacArthur Boulevard/Talbert Avenue	2014	OCTA	7	24	\$392,256	134,391	\$ 524,129	2,744,427	7%	8%	13%
25	Magnolia Street	2014	OCTA	16	54	\$400,000	566,394	\$ 2,208,937	11,566,362	10%	12%	26%
26	Pacific Park/Oso Parkway*	2014	OCTA	8	32	\$490,222	490,380	\$ 1,912,481	10,014,071	16%	19%	29%
27	Valley View Street	2014	Buena Park	3	20	\$280,000	783,613	\$ 3,056,089	16,002,194	28%	24%	37%
28	Warner Avenue	2014	OCTA	13	43	\$621,848	460,817	\$ 1,797,186	9,410,366	8%	6%	15%
29	Avenida Pico	2014	San Clemente	4	21	\$416,453	181,023	\$ 705,991	3,696,687	9%	10%	21%
30	Crown Valley Parkway	2014	OCTA	9	30	\$367,200	142,785	\$ 556,861	2,915,820	4%	3%	20%
31	Edinger Avenue*	2014	OCTA	12	38	\$753,800	324,316	\$ 1,264,832	6,622,870	2%	5%	25%
32	El Camino Real	2014	San Clemente	4	19	\$359,998	380,188	\$ 1,482,733	7,763,838	9%	10%	25%
33	First Street/Bolsa Avenue	2014	OCTA	12	49	\$980,000	899,045	\$ 3,506,276	18,359,448	11%	12%	26%
34	Jeronimo Road	2015	OCTA	6	16	\$267,360	386,683	\$ 1,508,063	7,896,471	12%	3%	35%
35	Lake Forest Drive	2014	OCTA	2	10	\$119,679	175,873	\$ 685,904	3,591,510	19%	23%	33%
36	Lambert Avenue	2013	La Habra	10	26	\$520,000	1,173,926	\$ 4,578,312	23,972,807	14%	16%	41%
37	Marguerite Parkway	2014	OCTA	9	31	\$323,056	156,175	\$ 609,084	3,189,264	11%	12%	21%
38	Santa Margarita Parkway	2015	OCTA	5	20	\$311,912	437,265	\$ 1,705,334	8,929,416	15%	18%	41%
39	Del Obispo Street	2014	San Juan Capistrano	4	16	\$138,800	254,554	\$ 992,762	5,198,269	13%	10%	11%
40	Knott Avenue	2015	Buena Park	7	28	\$448,000	491,820	\$ 1,918,098	10,043,483	23%	26%	37%
41	17th Street	2014	Costa Mesa	3	9	\$220,000	31,564	\$ 123,098	644,563	7%	3%	0%
42	Baker/Placentia	2014	Costa Mesa	8	27	\$519,960	138,520	\$ 540,228	2,828,724	14%	16%	34%
43	Victoria Street	2014	Costa Mesa	3	11	\$200,000	32,005	\$ 124,820	653,581	22%	15%	25%
44	Brea Boulevard	2014	Fullerton	4	16	\$320,000	208,598	\$ 813,531	4,259,783	12%	13%	43%
45	Commonwealth Avenue	2014	Fullerton	8	30	\$600,000	205,903	\$ 803,023	4,204,761	11%	12%	36%
46	Lemon Street / Anaheim Boulevard	2014	Fullerton	2	13	\$280,000	136,377	\$ 531,872	2,784,969	16%	21%	40%
47	Placentia Avenue	2014	Fullerton	4	15	\$380,000	146,390	\$ 570,921	2,989,436	18%	22%	48%
48	La Habra Boulevard	2014	La Habra	6	23	\$460,000	397,483	\$ 1,550,184	8,117,025	10%	11%	27%
49	Paseo de Valencia	2014	Laguna Hills	3	12	\$190,742	43,554	\$ 169,859	889,411	8%	5%	34%
50	Newport Coast Drive	2015	Newport Beach	5	15	\$260,000	167,175	\$ 651,984	3,413,896	10%	0%	6%
51	San Joaquin Hills Road	2015	Newport Beach	4	11	\$220,000	149,978	\$ 584,913	3,062,701	11%	12%	32%
52	Avenida Vista Hermosa	2015	San Clemente	3	17	\$305,856	64,846	\$ 252,899	1,324,219	17%	19%	54%
53	Camino De Los Mares	2015	San Clemente	2	13	\$248,208	463,252	\$ 1,806,683	3,153,365	27%	37%	57%
54	Los Alisos Boulevard	2014	OCTA	7	21	\$332,617	7,148	\$ 27,876	145,962	5%	3%	16%
55	Antonio Parkway	2016	OCTA	10	27	\$1,156,920	583,109	\$ 2,274,125	11,907,699	16%	19%	23%
56	Adams Avenue	2016	OCTA	5	17	\$1,042,374	529,737	\$ 2,065,973	10,817,781	12%	14%	27%
57	Trabuco Road	2015	OCTA	5	16	\$266,971	332,011	\$ 1,294,844	6,780,018	15%	18%	32%
58	State College Boulevard*	2016	OCTA	5	35	\$1,041,578	380,749	\$ 1,484,920	7,775,289	10%	11%	16%
59	Newport Avenue/Boulevard (North)	2016	OCTA	7	24	\$946,044	149,162	\$ 581,731	3,046,041	12%	15%	36%
60	Ball Road	2014	OCTA	11	38	\$733,416	392,850	\$ 1,532,115	8,022,411	5%	7%	13%
61	Alton Parkway	2016	Irvine	14	48	\$1,209,397	790,279	\$ 3,082,089	16,138,332	12%	14%	39%
62	Bake Parkway	2016	OCTA	6	19	\$532,603	367,780	\$ 1,434,344	7,510,464	12%	12%	28%
63	Barranca Parkway	2016	Irvine	13	44	\$2,106,434	701,256	\$ 2,734,900	14,320,395	10%	11%	26%
64	Seal Beach/Los Alamitos Boulevard	2016	Seal Beach	3	13	\$586,720	260,610	\$ 1,016,379	5,321,931	10%	11%	31%
65	La Paz Road	2016	OCTA	8	23	\$328,192	500,477	\$ 1,951,861	10,220,270	14%	16%	21%
66	Harbor Boulevard*	2017	Anaheim	4	22	\$731,867	362,716	\$ 1,414,593	7,407,047	8%	9%	15%
67	Birch Street/Rose Drive	2017	Brea	4	14	\$664,230	161,437	\$ 629,603	3,296,709	23%	30%	37%
68	El Toro Road*	2018	Laguna Woods	3	15	\$514,000	286,340	\$ 1,116,724	5,847,356	17%	20%	33%
69	Moulton Parkway	2018	Laguna Woods	11	37	\$645,440	240,928	\$ 939,620	4,920,008	12%	2%	41%
Summary of All Projects						\$ 39,575,058	37,068,867	\$ 144,568,588	750,178,606	13%	15%	31%

* Euclid Street, Pacific Park Drive/Oso Parkway, Edinger Avenue, Harbor Boulevard, State College Boulevard, and El Toro Road are included twice because these projects have been revisited

^ \$3.90 per gallon gasoline price used to estimate savings

Note: Improvements are averaged across both directions over the full corridor

Acronyms

Gal - Gallons

Lbs - Pounds

M1 - Measure M1

M2 - Measure M2

OCTA - Orange County Transportation Authority