

Summary of Results for Completed Regional Traffic Signal Synchronization Projects

	Corridor Name	Timing Completed	Lead Agency	Length (Miles)	Signals	M1 / M2 Grant Board Allocation	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	\$ 480,083	\$ 3,091,631	16,188,276	20%	24%	43%
2	Pacific Park Drive/Oso Parkway*	2009	OCTA	9	34	\$ 248,272	\$ 3,647,370	19,098,249	22%	29%	50%
3	Alicia Parkway ¹	2010	OCTA	11	41	\$ 939,144	\$ 806,001	4,220,358	13%	12%	40%
4	Beach Boulevard ¹	2010	OCTA	21	70	\$ 1,243,859	\$ 10,469,722	54,821,202	14%	21%	28%
5	Chapman Avenue (South)* ¹	2010	OCTA	14	52	\$ 798,161	\$ 3,244,679	16,989,696	16%	21%	46%
6	Edinger Avenue/Irvine Center Drive/ Moulton Parkway* ¹	2011	OCTA	22	109	\$ 846,217	\$ 4,609,706	24,137,220	11%	21%	34%
7	Harbor Boulevard* ¹	2011	OCTA	16	107	\$ 890,377	\$ 3,226,111	16,892,430	11%	21%	23%
8	Orangethorpe Avenue ¹	2011	OCTA	17	47	\$ 697,585	\$ 2,659,036	13,923,183	17%	21%	42%
9	State College Boulevard/Bristol Street* ¹	2011	OCTA	17	97	\$ 574,639	\$ 4,089,735	21,414,531	15%	21%	28%
10	Westminster Avenue ¹	2011	OCTA	13	48	\$ 308,847	\$ 4,233,390	22,166,736	14%	21%	35%
11	Brookhurst Street ¹	2012	OCTA	16	56	\$ 631,764	\$ 7,850,213	41,105,031	19%	21%	31%
12	El Toro Road* ¹	2012	OCTA	11	40	\$ 478,916	\$ 3,302,828	17,294,160	19%	21%	32%
13	Katella Avenue ¹	2012	OCTA	17	69	\$ 673,845	\$ 4,435,716	23,226,165	14%	21%	36%
14	La Palma Avenue ¹	2012	OCTA	18	61	\$ 803,999	\$ 6,281,546	32,391,229	18%	21%	27%
15	Bastanchury Road	2013	Fullerton	8	27	\$ 539,936	\$ 1,053,007	5,513,723	13%	21%	49%
16	Euclid Street*	2013	Fullerton	17	66	\$ 1,000,000	\$ 4,316,031	22,599,458	15%	21%	39%
17	Lambert Avenue	2013	La Habra	10	26	\$ 520,000	\$ 4,578,312	23,972,807	14%	21%	41%
18	Tustin Avenue/Rose Drive	2013	OCTA	10	43	\$ 683,200	\$ 2,309,842	12,094,717	15%	21%	37%
19	Yorba Linda Boulevard ¹	2013	OCTA	12	46	\$ 521,837	\$ 1,813,693	9,496,799	12%	21%	21%
20	Lincoln Avenue	2014	Anaheim	13	53	\$ 777,910	\$ 1,564,300	8,190,935	9%	21%	25%
21	Valley View Street	2014	Buena Park	3	20	\$ 280,000	\$ 3,056,089	16,002,194	28%	21%	37%
22	17th Street	2014	Costa Mesa	3	9	\$ 220,000	\$ 123,098	644,563	7%	21%	0%
23	Baker Street/Placentia Avenue	2014	Costa Mesa	8	27	\$ 519,960	\$ 540,228	2,828,724	14%	21%	34%
24	Fairview Road/Street	2014	Costa Mesa	8	31	\$ 620,001	\$ 1,735,472	9,087,220	11%	21%	24%
25	Victoria Street	2014	Costa Mesa	3	11	\$ 200,000	\$ 124,820	653,581	22%	21%	25%
26	Brea Boulevard	2014	Fullerton	4	16	\$ 320,000	\$ 813,531	4,259,783	12%	21%	43%
27	Commonwealth Avenue	2014	Fullerton	8	30	\$ 600,000	\$ 803,023	4,204,761	11%	21%	36%
28	Lemon Street/Anaheim Boulevard	2014	Fullerton	2	13	\$ 280,000	\$ 531,872	2,784,969	16%	21%	40%
29	Placentia Avenue	2014	Fullerton	4	15	\$ 380,000	\$ 570,921	2,989,436	18%	21%	48%
30	Culver Drive	2014	Irvine	11	39	\$ 779,856	\$ 3,625,648	18,984,498	12%	21%	19%
31	Jamboree Road	2014	Irvine	9	27	\$ 230,608	\$ 3,173,217	16,615,495	9%	21%	19%
32	Jeffrey Road	2014	Irvine	9	40	\$ 410,032	\$ 1,910,910	10,005,845	9%	21%	26%
33	La Habra Boulevard/Central Avenue/ State College Boulevard	2014	La Habra	6	23	\$ 460,000	\$ 1,550,184	8,117,025	10%	21%	27%
34	Paseo de Valencia	2014	Laguna Hills	3	12	\$ 190,742	\$ 169,859	889,411	8%	21%	34%
35	Ball Road	2014	OCTA	11	38	\$ 733,416	\$ 1,532,115	8,022,411	5%	21%	13%
36	Crown Valley Parkway	2014	OCTA	9	30	\$ 367,200	\$ 556,861	2,915,820	4%	21%	20%
37	Edinger Avenue*	2014	OCTA	12	38	\$ 753,800	\$ 1,264,832	6,622,870	2%	21%	25%
38	First Street/Bolsa Avenue	2014	OCTA	12	49	\$ 980,000	\$ 3,506,276	18,359,448	11%	21%	26%
39	Lake Forest Drive	2014	OCTA	2	10	\$ 119,679	\$ 685,904	3,591,510	19%	21%	33%
40	Los Alisos Boulevard	2014	OCTA	7	21	\$ 332,617	\$ 27,876	145,962	5%	21%	16%
41	MacArthur Boulevard/Talbert Avenue	2014	OCTA	7	24	\$ 392,256	\$ 524,129	2,744,427	7%	21%	13%
42	Magnolia Street	2014	OCTA	16	54	\$ 399,943	\$ 2,208,937	11,566,362	10%	21%	26%
43	Marguerite Parkway	2014	OCTA	9	31	\$ 323,056	\$ 609,084	3,189,264	11%	21%	21%
44	Pacific Park Drive/Oso Parkway*	2014	OCTA	8	32	\$ 490,222	\$ 1,912,481	10,014,071	16%	21%	29%
45	Warner Avenue	2014	OCTA	13	43	\$ 621,848	\$ 1,797,186	9,410,366	8%	21%	15%
46	Avenida Pico	2014	San Clemente	4	21	\$ 416,453	\$ 705,991	3,696,687	9%	21%	21%
47	El Camino Real	2014	San Clemente	4	19	\$ 359,998	\$ 1,482,733	7,763,838	9%	21%	25%
48	Del Obispo Street	2014	San Juan Capistrano	4	16	\$ 138,800	\$ 992,762	5,198,269	13%	21%	11%

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49	Knott Avenue	2015	Buena Park	7	28	\$ 448,000	\$ 1,918,098	10,043,483	23%	21%	37%
50	Newport Coast Drive	2015	Newport Beach	5	15	\$ 260,000	\$ 651,984	3,413,896	10%	21%	6%
51	San Joaquin Hills Road	2015	Newport Beach	4	11	\$ 220,000	\$ 584,913	3,062,701	11%	21%	32%
52	Jeronimo Road ¹	2015	OCTA	6	16	\$ 267,360	\$ 1,508,063	7,896,471	12%	21%	35%
53	Santa Margarita Parkway	2015	OCTA	5	20	\$ 311,912	\$ 1,705,334	8,929,416	15%	21%	41%
54	Trabuco Road ¹	2015	OCTA	5	16	\$ 266,971	\$ 1,294,844	6,780,018	15%	21%	32%
55	Avenida Vista Hermosa	2015	San Clemente	3	17	\$ 305,856	\$ 252,899	1,324,219	17%	21%	54%
56	Camino De Los Mares	2015	San Clemente	2	13	\$ 248,208	\$ 1,806,683	3,153,365	27%	21%	57%
57	Artesia Boulevard	2016	Buena Park	2	11	\$ 422,142	\$ 795,156	4,163,572	20%	21%	38%
58	Alton Parkway	2016	Irvine	14	48	\$ 1,209,396	\$ 3,082,089	16,138,332	12%	21%	39%
59	Barranca Parkway	2016	Irvine	13	44	\$ 2,106,434	\$ 2,734,900	14,320,395	10%	21%	26%
60	Adams Avenue ¹	2016	OCTA	5	17	\$ 1,042,374	\$ 2,065,973	10,817,781	7%	21%	27%
61	Antonio Parkway ¹	2016	OCTA	10	27	\$ 1,156,920	\$ 2,274,125	11,907,699	16%	21%	23%
62	Bake Parkway	2016	OCTA	6	19	\$ 532,603	\$ 1,434,344	7,510,464	12%	21%	28%
63	La Paz Road	2016	OCTA	8	23	\$ 328,192	\$ 1,951,861	10,220,270	14%	21%	21%
64	Newport Avenue/Boulevard (North) ¹	2016	OCTA	7	24	\$ 946,045	\$ 581,731	3,046,041	12%	21%	36%
65	Newport Boulevard (South)	2016	OCTA	7	33	\$ 1,304,596	\$ 944,446	4,945,276	5%	21%	17%
66	State College Boulevard* ¹	2016	OCTA	5	35	\$ 1,041,579	\$ 1,484,920	7,775,289	10%	21%	16%
67	Seal Beach Boulevard/Los Alamitos Boulevard	2016	Seal Beach	3	13	\$ 586,720	\$ 1,016,379	5,321,931	10%	21%	31%
68	Harbor Boulevard*	2017	Anaheim	4	22	\$ 731,867	\$ 1,414,593	7,407,047	8%	21%	15%
69	Birch Street/Rose Drive	2017	Brea	4	14	\$ 664,230	\$ 629,603	3,296,709	23%	21%	37%
70	Bristol Street*	2017	OCTA	8	45	\$ 1,884,620	\$ 1,649,926	8,639,290	7%	21%	13%
71	Goldenwest Street	2017	OCTA	8	32	\$ 380,800	\$ 374,406	1,960,454	11%	21%	23%
72	Harbor Boulevard*	2017	Santa Ana	10	46	\$ 1,852,080	\$ 4,320,825	22,624,563	10%	21%	15%
73	El Toro Road*	2018	Laguna Woods	3	15	\$ 514,000	\$ 1,116,724	5,847,356	17%	21%	33%
74	Moulton Parkway*	2018	Laguna Woods	11	37	\$ 645,440	\$ 939,620	4,920,008	12%	21%	41%
75	Marguerite Parkway*	2018	Mission Viejo	9	30	\$ 759,232	\$ 1,663,372	8,709,695	8%	21%	18%
76	Olympiad Road-Felipe Road	2018	Mission Viejo	6	18	\$ 515,656	\$ 197,900	1,036,240	3%	21%	6%
77	Chapman Avenue*	2018	OCTA	14	55	\$ 2,344,044	\$ 2,322,428	12,160,622	8%	21%	0%
78	Kraemer Boulevard/Glassell Street/ Grand Avenue	2018	OCTA	15	61	\$ 2,433,520	\$ 1,722,240	441,600	12%	21%	8%
79	Orangewood Avenue	2019	Anaheim	3	15	\$ 683,328	\$ 1,140,726	5,973,032	17%	21%	46%
80	Irvine Boulevard	2019	Irvine	7	29	\$ 378,166	\$ 2,757,359	14,437,996	17%	21%	37%
81	Alicia Parkway*	2019	OCTA	11	40	\$ 1,847,200	\$ 3,550,240	18,589,652	12%	21%	31%
82	Coast Highway	2019	OCTA	9	27	\$ 1,799,210	\$ 1,907,001	9,985,376	5%	21%	8%
83	El Toro Road*	2019	OCTA	7	25	\$ 1,112,447	\$ 4,079,112	21,358,911	20%	21%	42%
84	Westminster Avenue/17th Street*	2019	OCTA	16	63	\$ 2,820,102	\$ 141,754	742,246	5%	21%	16%
Summary of All Projects				746	2897	\$ 59,950,327	\$ 172,135,479	885,947,131	13%	21%	29%

* Euclid Street, Pacific Park Drive/Oso Parkway, Harbor Boulevard, State College Boulevard, Bristol Street, Moulton Parkway, Chapman Avenue, Westminster Avenue, El Toro Road, Alicia Parkway, and Marguerite Parkway are included multiple times because these corridors have been revisited.

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

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

¹ Project Board allocation includes external funding.

M1/M2 - Measure M1/Measure M2

Board - Board of Directors

lbs - pounds

OCTA - Orange County Transportation Authority