

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 Gas Savings (lbs.)	Travel Time Improvement	Average Speed Improvement	Stops Improvement
1	Eucild Street*	2008	OCTA	15	62	\$ 450,000	\$ 3,091,631	16,188,276	20%	24%	43%
2	Pacific Park/Oso Parkway*	2009	OCTA	9	34	\$ 250,000	\$ 3,647,370	19,098,249	22%	29%	50%
3	Alicia Parkway	2010	OCTA	11	41	\$ 945,000	\$ 806,001	4,220,358	13%	12%	40%
4	Beach Boulevard	2010	OCTA	21	70	\$ 1,300,000	\$ 10,469,722	54,821,202	14%	21%	28%
5	Chapman Avenue (South)*	2010	OCTA	14	52	\$ 800,000	\$ 3,244,679	16,989,696	16%	18%	46%
6	Edinger Ave/Irvine Center Dr/Moulton Pkwy*	2011	OCTA	22	109	\$ 846,000	\$ 4,609,706	24,137,220	11%	14%	34%
7	Harbor Boulevard*	2011	OCTA	16	107	\$ 520,000	\$ 3,226,111	16,892,430	11%	12%	23%
8	Orangethorpe Avenue	2011	OCTA	17	47	\$ 698,000	\$ 2,659,036	13,923,183	17%	20%	42%
9	State College/Bristol Street*	2011	OCTA	17	97	\$ 760,000	\$ 4,089,735	21,414,531	15%	18%	28%
10	Westminster Avenue	2011	OCTA	13	48	\$ 620,000	\$ 4,233,390	22,166,736	14%	17%	35%
11	Brookhurst Street	2012	OCTA	16	56	\$ 631,764	\$ 7,850,213	41,105,031	19%	18%	31%
12	El Toro Road*	2012	OCTA	11	40	\$ 478,916	\$ 3,302,828	17,294,160	19%	24%	32%
13	Katella Avenue	2012	OCTA	17	69	\$ 673,845	\$ 4,435,716	23,226,165	14%	14%	36%
14	La Palma Avenue	2012	OCTA	18	61	\$ 803,999	\$ 6,281,546	32,391,229	18%	22%	27%
15	Bastanchury Road	2013	Fullerton	8	27	\$ 539,936	\$ 1,053,007	5,513,723	13%	15%	49%
16	Eucild Street*	2013	Fullerton	17	66	\$ 1,000,000	\$ 4,316,031	22,599,458	15%	17%	39%
17	Lambert Avenue	2013	La Habra	10	26	\$ 520,000	\$ 4,578,312	23,972,807	14%	16%	41%
18	Tustin/Rose Drive	2013	OCTA	10	43	\$ 683,200	\$ 2,309,842	12,094,717	15%	17%	37%
19	Yorba Linda Boulevard	2013	OCTA	12	46	\$ 521,837	\$ 1,813,693	9,496,799	12%	10%	21%
20	Lincoln Avenue	2014	Anaheim	13	53	\$ 777,910	\$ 1,564,300	8,190,935	9%	15%	25%
21	Valley View Street	2014	Buena Park	3	20	\$ 280,000	\$ 3,056,089	16,002,194	28%	24%	37%
22	Fairview Road/Street	2014	Costa Mesa	8	31	\$ 620,001	\$ 1,735,472	9,087,220	11%	12%	24%
23	17th Street	2014	Costa Mesa	3	9	\$ 220,000	\$ 123,098	644,563	7%	3%	0%
24	Baker/Placentia	2014	Costa Mesa	8	27	\$ 519,960	\$ 540,228	2,828,724	14%	16%	34%
25	Victoria Street	2014	Costa Mesa	3	11	\$ 200,000	\$ 124,820	653,581	22%	15%	25%
26	Brea Boulevard	2014	Fullerton	4	16	\$ 320,000	\$ 813,531	4,259,783	12%	13%	43%
27	Commonwealth Avenue	2014	Fullerton	8	30	\$ 600,000	\$ 803,023	4,204,761	11%	12%	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%	22%	48%
30	Culver Drive	2014	Irvine	11	39	\$ 779,856	\$ 3,625,648	18,984,498	12%	12%	19%
31	Jamboree Road	2014	Irvine	9	27	\$ 230,608	\$ 3,173,217	16,615,495	9%	9%	19%
32	Jeffrey Road	2014	Irvine	9	40	\$ 410,032	\$ 1,910,910	10,005,845	9%	10%	26%
33	La Habra Boulevard	2014	La Habra	6	23	\$ 460,000	\$ 1,550,184	8,117,025	10%	11%	27%
34	Paseo de Valencia	2014	Laguna Hills	3	12	\$ 190,742	\$ 169,859	889,411	8%	5%	34%
35	MacArthur Boulevard/Talbert Avenue	2014	OCTA	7	24	\$ 392,256	\$ 524,129	2,744,427	7%	8%	13%
36	Magnolia Street	2014	OCTA	16	54	\$ 400,000	\$ 2,208,937	11,566,362	10%	12%	26%
37	Pacific Park/Oso Parkway*	2014	OCTA	8	32	\$ 490,222	\$ 1,912,481	10,014,071	16%	19%	29%
38	Warner Avenue	2014	OCTA	13	43	\$ 621,848	\$ 1,797,186	9,410,366	8%	6%	15%
39	Crown Valley Parkway	2014	OCTA	9	30	\$ 367,200	\$ 556,861	2,915,820	4%	3%	20%
40	Edinger Avenue*	2014	OCTA	12	38	\$ 753,800	\$ 1,264,832	6,622,870	2%	5%	25%
41	First Street/Bolsa Avenue	2014	OCTA	12	49	\$ 980,000	\$ 3,506,276	18,359,448	11%	12%	26%
42	Lake Forest Drive	2014	OCTA	2	10	\$ 119,679	\$ 685,904	3,591,510	19%	23%	33%
43	Marquerte Parkway	2014	OCTA	9	31	\$ 323,056	\$ 609,084	3,189,264	11%	12%	21%
44	Los Alisos Boulevard	2014	OCTA	7	21	\$ 332,617	\$ 27,876	145,962	5%	3%	16%
45	Ball Road	2014	OCTA	11	38	\$ 733,416	\$ 1,532,115	8,022,411	5%	7%	13%
46	Avenida Pico	2014	San Clemente	4	21	\$ 416,453	\$ 705,991	3,696,687	9%	10%	21%
47	El Camino Real	2014	San Clemente	4	19	\$ 359,998	\$ 1,482,733	7,763,838	9%	10%	25%
48	Del Obispo Street	2014	San Juan Capistrano	4	16	\$ 138,800	\$ 992,762	5,198,269	13%	10%	11%
49	Knott Avenue	2015	Buena Park	7	28	\$ 448,000	\$ 1,918,098	10,043,483	23%	26%	37%

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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
Newport Coast Drive	2015	Newport Beach	5	15	\$ 260,000	\$ 651,984	3,413,896	10%	0%	6%
San Joaquin Hills Road	2015	Newport Beach	4	11	\$ 220,000	\$ 584,913	3,062,701	11%	12%	32%
Jerônimo Road	2015	OCTA	6	16	\$ 267,360	\$ 1,508,063	7,896,471	12%	3%	35%
Santa Margarita Parkway	2015	OCTA	5	20	\$ 311,912	\$ 1,705,334	8,929,416	15%	18%	41%
Trabuco Road	2015	OCTA	5	16	\$ 266,971	\$ 1,294,844	6,780,018	15%	18%	32%
Avenida Vista Hermosa	2015	San Clemente	3	17	\$ 305,856	\$ 252,899	1,324,219	17%	19%	54%
Carmino De Los Mares	2015	San Clemente	2	13	\$ 248,208	\$ 1,806,683	3,153,365	27%	37%	57%
Artesia Boulevard	2016	Buena Park	2	11	\$ 422,142	\$ 795,156	4,163,572	20%	16%	38%
Alton Parkway	2016	Invine	14	48	\$ 1,209,397	\$ 3,082,089	16,138,332	12%	14%	39%
Barranca Parkway	2016	Invine	13	44	\$ 2,106,434	\$ 2,734,900	14,320,395	10%	11%	26%
Antonio Parkway	2016	OCTA	10	27	\$ 1,156,920	\$ 2,274,125	11,907,699	16%	19%	23%
Adams Avenue	2016	OCTA	5	17	\$ 1,042,374	\$ 2,065,973	10,817,781	7%	14%	27%
State College Boulevard*	2016	OCTA	5	35	\$ 1,041,579	\$ 1,484,920	7,775,289	10%	11%	16%
Newport Avenue/Boulevard (North)	2016	OCTA	7	24	\$ 946,045	\$ 581,731	3,046,041	12%	15%	36%
Bake Parkway	2016	OCTA	6	19	\$ 532,603	\$ 1,434,344	7,510,464	12%	12%	28%
La Paz Road	2016	OCTA	8	23	\$ 328,192	\$ 1,951,861	10,220,270	14%	16%	21%
Newport Boulevard (South)	2016	OCTA	7	33	\$ 1,304,596	\$ 944,446	4,945,276	5%	7%	17%
Seal Beach/Los Alamitos Boulevard	2016	Seal Beach	3	13	\$ 586,720	\$ 1,016,379	5,321,931	10%	11%	31%
Harbor Boulevard*	2017	Anaheim	4	22	\$ 731,867	\$ 1,414,593	7,407,047	8%	9%	15%
Birch Street/Rose Drive	2017	Brea	4	14	\$ 664,230	\$ 629,603	3,296,709	23%	30%	37%
Bristol Street*	2017	OCTA	8	45	\$ 1,884,620	\$ 1,649,926	8,639,290	7%	8%	13%
Goldenwest Street	2017	OCTA	8	32	\$ 380,800	\$ 374,406	1,960,454	11%	7%	23%
Harbor Boulevard*	2017	Santa Ana	10	46	\$ 1,852,080	\$ 4,320,825	22,624,563	10%	10%	15%
El Toro Road*	2018	Laguna Woods	3	15	\$ 514,000	\$ 1,116,724	5,847,356	17%	20%	33%
Moulton Parkway*	2018	Laguna Woods	11	37	\$ 645,440	\$ 939,620	4,920,008	12%	2%	41%
Kraemer Blvd/Glassell St/Grand Ave	2018	OCTA	15	61	\$ 2,433,520	\$ 1,722,240	441,600	12%	7%	8%
Chapman Avenue*	2018	OCTA	14	55	\$ 2,344,044	\$ 2,322,428	12,160,622	8%	9%	0%
Orangewood Avenue	2019	Anaheim	3	15	\$ 683,328	\$ 1,140,726	5,973,032	17%	22%	46%
Invine Boulevard	2019	Invine	7	29	\$ 378,166	\$ 2,757,359	14,437,996	17%	21%	37%
Westminster Avenue/17th Street*	2019	OCTA	16	63	\$ 2,820,102	\$ 141,754	742,246	5%	5%	16%
Summary of All Projects			705	2757	\$ 54,078,458	\$ 160,737,854	826,267,257	13%	14%	29%

* Euclid Street, Pacific Park Drive/Oso Parkway, Harbor Boulevard, State College Boulevard, Bristol Street, Moulton Parkway, Chapman Avenue, Westminster Avenue, and El Toro Road 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

gal - gallons

lbs - pounds

OCTA - Orange County Transportation Authority