

Summary of Results for Completed Regional Traffic Signal Synchronization Projects											
Corridor Name	Timing Completed	Lead Agency	Length (Miles)	Signals	Project Cost	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
Euclid Street	2008	OCTA	15	62	\$450,000	792,726	\$ 2,298,905	16,188,276	20%	24%	43%
Pacific Park/Oso Parkway*	2009	OCTA	9	34	\$250,000	935,223	\$ 2,712,147	19,098,249	22%	29%	50%
Alicia Parkway	2010	OCTA	11	41	\$945,000	206,667	\$ 599,334	4,220,358	13%	12%	40%
Beach Boulevard	2010	OCTA	20	70	\$1,300,000	2,684,544	\$ 7,785,178	54,821,202	14%	21%	28%
Chapman Avenue (South)	2010	OCTA	15	52	\$800,000	831,969	\$ 2,412,710	16,989,696	16%	18%	46%
Edinger Avenue/Irvine Center Drive/Moulton Parkway	2011	OCTA	22	109	\$846,000	1,181,976	\$ 3,427,730	24,137,220	11%	14%	34%
Harbor Boulevard	2011	OCTA	16	107	\$520,000	827,208	\$ 2,398,903	16,892,430	11%	12%	23%
Orangethorpe Avenue	2011	OCTA	19	44	\$698,000	681,804	\$ 1,977,232	13,923,183	17%	20%	42%
State College Boulevard/Bristol Street	2011	OCTA	17	97	\$760,000	1,048,650	\$ 3,041,085	21,414,531	15%	18%	28%
Westminster Avenue	2011	OCTA	13	48	\$620,000	1,085,484	\$ 3,147,904	22,166,736	14%	17%	35%
Brookhurst Street	2012	OCTA	16	56	\$631,764	2,012,875	\$ 5,837,338	41,105,031	19%	18%	31%
El Toro Road	2012	OCTA	11	40	\$478,916	846,879	\$ 2,455,949	17,294,160	19%	24%	32%
Katella Avenue	2012	OCTA	17	69	\$673,845	1,137,363	\$ 3,298,353	23,226,165	14%	14%	36%
La Palma Avenue	2012	OCTA	18	58	\$803,999	1,610,653	\$ 4,670,894	32,391,229	18%	22%	27%
Bastanchury Road	2013	Fullerton	8	27	\$674,920	270,002	\$ 783,006	5,513,723	13%	15%	49%
Euclid Street*	2013	Fullerton	17	66	\$1,250,000	1,106,675	\$ 3,209,358	22,599,458	15%	17%	40%
Tustin Avenue/Rose Drive	2013	OCTA	10	43	\$854,000	592,267	\$ 1,717,574	12,094,717	15%	17%	37%
Yorba Linda Boulevard	2013	OCTA	12	46	\$521,837	465,049	\$ 1,348,643	9,496,799	14%	17%	32%
Culver Drive	2014	Irvine	11	39	\$979,320	929,653	\$ 2,695,994	18,984,498	12%	12%	19%
Fairview Road/Street	2014	Costa Mesa	8	31	\$775,001	444,993	\$ 1,290,479	9,087,220	11%	12%	24%
Jamboree Road	2014	Irvine	8	27	\$288,260	813,645	\$ 2,359,571	16,615,495	9%	9%	19%
Jeffrey Road	2014	Irvine	9	33	\$512,540	489,977	\$ 1,420,933	10,005,845	9%	10%	26%
Lincoln Avenue	2014	Anaheim	13	47	\$1,192,810	401,102	\$ 1,163,196	8,190,935	9%	15%	25%
MacArthur Boulevard/Talbert Avenue	2014	OCTA	7	26	\$490,320	134,391	\$ 389,734	2,744,427	7%	8%	13%
Magnolia Street	2014	OCTA	16	53	\$400,000	566,394	\$ 1,642,543	11,566,362	10%	12%	15%
Pacific Park/Oso Parkway*	2014	OCTA	8	31	\$612,778	490,380	\$ 1,422,102	10,014,071	16%	19%	29%
Valley View Street	2014	Buena Park	3	14	\$350,000	783,613	\$ 2,272,478	16,002,194	28%	24%	37%
Warner Avenue	2014	OCTA	13	43	\$777,310	460,817	\$ 1,336,369	9,410,366	8%	6%	26%
Avenida Pico	2014	San Clemente	4	21	\$483,166	181,023	\$ 524,967	3,696,687	9%	10%	21%
Crown Valley Parkway	2014	OCTA	9	30	\$400,627	142,625	\$ 413,613	2,912,557	4%	3%	20%
Edinger Avenue	2014	OCTA	12	38	\$803,019	324,316	\$ 940,516	6,622,870	2%	5%	25%
El Camino Real	2014	San Clemente	4	18	\$580,267	380,188	\$ 1,102,545	7,763,838	9%	10%	25%
First Street / Bolsa Avenue	2014	OCTA	12	49	\$1,123,449	899,045	\$ 2,607,231	18,359,448	11%	12%	26%
Jeronimo Road	2015	OCTA	6	16	\$307,621	386,683	\$ 1,121,381	7,896,471	12%	3%	35%
Lake Forest Drive	2014	OCTA	2	10	\$135,302	175,873	\$ 510,032	3,591,510	19%	23%	33%
Lambert Avenue	2013	La Habra	10	36	\$174,893	1,173,926	\$ 3,404,385	23,972,807	14%	16%	41%
Marguerite Parkway	2014	OCTA	9	31	\$332,397	156,175	\$ 452,908	3,189,264	11%	12%	21%
Santa Margarita Parkway	2015	OCTA	5	20	\$351,750	437,265	\$ 1,268,069	8,929,416	15%	18%	41%
Del Obispo Street	2014	San Juan Capistrano	4	16	\$158,553	254,554	\$ 738,207	5,198,269	13%	10%	11%
Knott Avenue	2015	Buena Park	7	28	\$707,100	491,820	\$ 1,426,278	10,043,483	23%	26%	37%
17th Street	2014	Costa Mesa	3	9	\$275,000	31,564	\$ 91,536	644,563	7%	3%	0%
Baker Street/Placentia Avenue	2014	Costa Mesa	8	27	\$650,000	138,520	\$ 401,708	2,828,724	14%	16%	34%
Victoria Street	2014	Costa Mesa	3	12	\$250,000	32,005	\$ 92,815	653,581	22%	15%	25%
Brea Boulevard	2014	Fullerton	4	16	\$400,000	208,598	\$ 604,934	4,259,783	12%	13%	43%
Commonwealth Avenue	2014	Fullerton	8	25	\$750,000	205,903	\$ 597,119	4,204,761	11%	12%	36%
Lemon Street / Anaheim Boulevard	2014	Fullerton	2	13	\$325,000	136,377	\$ 395,493	2,784,969	16%	21%	40%
Placentia Avenue	2014	Fullerton	4	15	\$475,000	146,390	\$ 424,531	2,989,436	18%	22%	48%
La Habra Boulevard	2014	La Habra	6	23	\$575,000	397,483	\$ 1,152,701	8,117,025	10%	11%	27%
Paseo de Valencia	2014	Laguna Hills	3	12	\$229,080	43,554	\$ 126,307	889,411	8%	5%	34%
Newport Coast Drive	2015	Newport Beach	5	13	\$504,318	167,175	\$ 484,808	3,413,896	10%	0%	6%
San Joaquin Hills Road	2015	Newport Beach	4	11	\$585,715	149,978	\$ 434,936	3,062,701	11%	12%	32%
Avenida Vista Hermosa	2015	San Clemente	4	17	\$316,518	64,846	\$ 188,053	1,324,219	17%	19%	54%
Camino De Los Mares	2015	San Clemente	2	13	\$241,160	463,252	\$ 1,343,431	3,153,365	27%	37%	57%
Los Alisos Boulevard	2014	OCTA	7	21	\$371,409	7,148	\$ 20,729	145,962	5%	3%	16%
Antonio Parkway	2016	OCTA	10	25	\$1,317,499	583,109	\$ 1,691,016	11,907,699	16%	19%	23%
Adams Avenue	2016	OCTA	5	17	\$1,144,786	529,737	\$ 1,536,237	10,817,781	12%	14%	27%
Trabuco Road	2015	OCTA	4	14	\$319,861	332,011	\$ 962,832	6,780,018	15%	18%	32%
State College Boulevard/The City Drive	2016	OCTA	5	35	\$940,870	380,749	\$ 1,104,172	7,775,289	10%	11%	16%
Newport Avenue/Boulevard (North)	2016	OCTA	7	24	\$1,099,276	149,162	\$ 432,570	3,046,041	12%	15%	36%
Summary of All Projects			540	2068	\$ 35,785,254	33,004,033	\$ 95,711,697	667,170,420	13%	15%	31%

* Euclid Street and Oso Parkway/Pacific Park Drive are included twice because both have been revisited

^ \$2.90 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