

South Bay Measure R Potential Candidate Project List

Preliminary Draft for Discussion: 8/19/2010

| Identification | | Location | | | Description | Status | | | | Source |
|--------------------------------|----------------|----------------------|------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------|---------------------|-------------------------|-----------------------------------|
| ID | Type | Facility | Limits | City/County | | Lead Agency | Design | Cost Estimate | Funding | |
| I-405 Corridor | | | | | | | | | | |
| On/Adjacent to Facility | | | | | | | | | | |
| F1 | Ramp | I-405 | at La Cienega Blvd. | Inglewood | Widen southbound I-405 on-ramp from southbound La Cienega Blvd. | Caltrans | Concept | \$13,000,000 | No Funds | Caltrans Measure R List (5/22/09) |
| F2 | Ramp | I-405 | at Manchester Blvd. | Inglewood | Widen northbound off-ramp. And close Ash Avenue. | Caltrans | Preliminary Design Complete (Caltrans) | \$20,000,000 | No Funds | SBCCOG List |
| F3 | Arterial | Manchester Boulevard | from Ash Avenue to La Cienega Boulevard | Inglewood | Channelize and raise median | Inglewood | In design | \$330,000 | No Funds | City |
| F4 | Auxiliary Lane | I-405 | from Manchester Blvd. to Century Blvd. | Inglewood/ Los Angeles | Add southbound auxiliary lane | Caltrans | Concept | <i>\$31,000,000</i> | No Funds | I-405 CSMP |
| F5 | Auxiliary Lane | I-405 | from Howard Hughes Parkway to Century Boulevard | Inglewood | Add southbound auxiliary lane | Caltrans | Concept | <i>\$75,000,000</i> | No Funds | I-405 CSMP |
| F6 | Interchange | I-405 | at Arbor Vitae Avenue | Inglewood | Construct south half of Interchange | Caltrans | EIR being finalized. No Project Alternative a Potential Selection | \$62,495,000 | No Funds | Caltrans Measure R List, RTIP |
| F7 | Auxiliary Lane | I-405 | Northbound: south of El Segundo Blvd. to I-105 | Hawthorne | Add northbound lane | Caltrans | Concept | \$15,000,000 | No Funds | I-405 CSMP |
| F8 | Auxiliary Lane | I-405 | Northbound: Hawthorne Blvd. to I-105 | Hawthorne, Redondo Beach, Lawndale | Add northbound lane | Caltrans | Concept | \$210,000,000 | No Funds | Caltrans Measure R List |
| F9 | Ramp | I-405 | at Rosecrans Avenue | Hawthorne | Widen northbound off-ramp | Caltrans | Concept | \$13,000,000 | No Funds | SBCCOG List |
| F10 | Ramp | I-405 | at Rosecrans Avenue | Hawthorne | Widen southbound off-ramp to Rosecrans Avenue, add signal at end of ramp | Caltrans | Preliminary Design Complete | \$13,000,000 | No Funds | SBCCOG List |
| F11 | Arterial | Rosecrans Avenue | From I-405 Southbound off-ramp to Isis Avenue | Hawthorne | Widen Rosecrans Avenue to accommodate southbound off-ramp receiving lane. | Hawthorne | Design 80%, City has ROW | \$3,500,000 | \$1.4 million from HSIP | City |
| F12 | Auxiliary lane | I-405 | Northbound: Inglewood Avenue to Rosecrans Avenue | Hawthorne/ Redondo Beach/ Lawndale | Add northbound auxiliary lane | Caltrans | Concept | \$51,000,000 | No Funds | I-405 CSMP |
| F13 | Auxiliary lane | I-405 | Southbound: Rosecrans Avenue to Inglewood Avenue | Hawthorne/Redondo Beach | Add southbound auxiliary lane | Caltrans | Concept | <i>\$50,000,000</i> | No Funds | I-405 CSMP |
| F14 | Ramp | I-405 | at Inglewood Avenue | Redondo Beach, Lawndale | Widen northbound loop on-ramp, widen southbound on-ramp and create right-turn only lane in existing Caltrans ROW. Install a new southbound right-turn only lane on Inglewood Avenue to the southbound 405 on-ramp and off-ramp | Caltrans | Concept | \$13,000,000 | No Funds | SBCCOG List |
| F15 | Ramp | I-405 | at Inglewood Avenue | Redondo Beach | Widen southbound on-ramp from southbound Inglewood Avenue including a designated right-turn lane within existing ROW | Caltrans | Concept complete, needs PSR | | No Funds | Caltrans |
| F16 | Auxiliary lane | I-405 | Northbound: Hawthorne Boulevard to Inglewood Avenue | Lawndale | Add northbound auxiliary lane | Caltrans | Concept | \$52,000,000 | No Funds | I-405 CSMP |
| F17 | Ramp | I-405 | at Hawthorne Boulevard | Lawndale | New southbound Hawthorne Blvd. to northbound I-405 and upgrade signalization at northbound and southbound ramps | Caltrans | Concept | <i>\$13,000,000</i> | No Funds | I-405 CSMP |
| F18 | Auxiliary lane | I-405 | Northbound: Redondo Beach Boulevard to Hawthorne Boulevard | Lawndale | Add northbound auxiliary lane | Caltrans | Concept | \$31,000,000 | No Funds | I-405 CSMP |
| F19 | Ramp | I-405 | at Artesia Boulevard | Torrance | Add third lane to northbound on-ramp from westbound Artesia Boulevard | Caltrans | Concept | \$13,000,000 | No Funds | I-405 CSMP |

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| ID | Type | Facility | Limits | City/County | | Lead Agency | Design | Cost Estimate | Funding | |
| F20 | Ramp | I-405 | at Crenshaw/182nd Street | Torrance | Widen northbound off-ramp to 182nd Street, modify signal at terminus | Caltrans | Draft PSR | \$13,000,000 | No Funds | I-405 CSMP |
| F21 | Ramp | I-405 | at 182nd Street | Torrance | Widen northbound on-ramp to two lanes, modify signal | Caltrans | Draft PSR | \$3,500,000 | No Funds | I-405 CSMP |
| F22 | Intersection | Crenshaw Boulevard | at 182nd Street | Torrance | Widen 182nd Street to provide two designated westbound left-turn lanes, two westbound through lanes and a new eastbound through-right lane, reconstruct pavement from Redondo Beach Boulevard to 182nd Street along Crenshaw Boulevard and from Prairie Avenue to Western Avenue on 182nd Street | Torrance | Concept | \$5,000,000 | No Funds | City |
| F23 | Ramp | I-405 | at Crenshaw Boulevard | Torrance | New southbound on-ramp from northbound Crenshaw. | Caltrans | Draft PSR | \$13,000,000 | No Funds | I-405 CSMP |
| F24 | Ramp | I-405 | at 190th Street | Torrance | Widen southbound on-ramp at 190th Street. | Caltrans | Concept | \$13,000,000 | No Funds | SBCCOG List |
| F25 | Auxiliary lane | I-405 | Northbound: Normandie Avenue to Western Avenue | Torrance | Add northbound auxiliary lane to the Western Ave off-ramp | Caltrans | Concept | \$15,000,000 | No Funds | I-405 CSMP |
| F26 | Interchange | I-405 | at I-110 | Los Angeles | Widen from 3 to 4 lanes through interchange. | Caltrans | Concept | \$120,000,000 | No Funds | Caltrans Measure R List |
| F27 | Ramp | I-405 | at Avalon Boulevard | Carson | Interchange improvements | Caltrans | Advertised for Construction | \$29,120,000 | Fed: \$5.5m, Metro \$9.46m, Prop C \$6.77m | SBCCOG List, SCAG RTIP |
| F28 | Ramp | I-405 | at Wilmington Avenue | Carson | Widen Wilmington Avenue from 223rd Street, including I-405 ramp modification. | Caltrans | Received \$4M in Metro 07 Call, In design | \$29,000,000 | Fed: \$4m, City \$10.8m, Prop C \$11.3m | SBCCOG List, SCAG RTIP |
| F29 | ITS | I-405 & Various | Rosecrans to Carson on I-405 and Parallel Arterials | Carson, LA, Torrance, Lawndale Redondo Beach, Hawthorne | I-405 Congestion Relief Corridor: Ramp and Arterial ITS Integration Freeway/Arterial/Interchange Corridor System Management-- CMS, CCTV, etc. | SBCCOG | Concept | \$8,000,000 | No Funding | Iteris Team |
| Generally within One-Mile of Facility | | | | | | | | | | |
| N1 | Intersection | La Cienega Boulevard | at Manchester Blvd. | Inglewood | Improve turn radii | Inglewood | Concept | \$1,200,000 | No Funds | SBCCOG List |
| N2 | Intersection | La Cienega Boulevard | at Florence Avenue | Inglewood | Improve turn radii and through-right lane | Inglewood | Concept | \$600,000 | No Funds | SBCCOG List |
| N3 | Arterial | La Cienega Boulevard | from I-405 to I-10 | Inglewood | La Cienega Expressway: complete gaps in La Cienega Blvd. grade separation | Inglewood | Concept | \$62,000,000 | No Funds | City Study, La Cienega SCAG Study |
| N4 | ITS | La Cienega Boulevard | | Inglewood | Traffic Signal Synchronization Program: Design & construction of multijurisdictional traffic signal synchronization and intersection operational improvements, | County | | \$2,000,000 | No funds | SBCCOG List |
| N5 | ITS | Manchester Boulevard | from Aviation Boulevard to Van Ness Avenue | Inglewood | LA County ITS Project: Manchester Boulevard | County | | | | City |
| N6 | ITS | | | Inglewood | 4th Phase of Citywide ITS Master Plan | Inglewood | 4th Phase | | | SBCCOG List |
| N7 | Arterial | Florence Avenue | From West Boulevard to Centinela Avenue | Inglewood | Reconfiguration of 1.2 mile segment of Florence Ave. including new Florence Ave/Redondo Blvd intersection to improve future Crenshaw LRT crossing | Inglewood | Preliminary Design, approved MOU next year (8/10) | \$4,091,404 | Metro CFP: \$2.05m Local Match: \$2.04m | SBCCOG List |
| N8 | Arterial | La Brea Avenue | at La Brea Drive/ Market Street/ Spruce | Inglewood | Reconfigure from six-leg intersection to T-intersection, eliminate dog-leg on La Brea Avenue, replace with S curve alignment. | Inglewood | Preliminary Plan, 2007 MOU | \$9,970,000 | Demo SAFTEA-LU: \$2.64m Prop C: \$528k | 2008 LRTP (Draft) LA Metro |

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| ID | Type | Facility | Limits | City/County | | Lead Agency | Design | Cost Estimate | Funding | |
| N9 | ITS | El Segundo Boulevard | El Segundo | El Segundo | Traffic Signal Synchronization Program: Design & construction of multijurisdictional traffic signal synchronization and intersection operational improvements. | County | | \$1,000,000 | No funding | SBCCOG List |
| N10 | Arterial | Aviation Boulevard | from Arbor Vitae to Manhattan Beach Boulevard | County | Widen roadway | County | Preliminary Design | \$61,800,000 | Demo pre-ISTEA: \$4.28m Local: \$9.7m | SBCCOG List, 2008 RTIP |
| N11 | Arterial | Aviation Boulevard | from Imperial Highway to Hawaii Street | El Segundo | Widen Aviation Boulevard | El Segundo | Preliminary Design | \$6,310,000 | No Funds | SBCCOG List |
| N12 | Intersection | Aviation Boulevard | at El Segundo Boulevard | El Segundo | Add dual southbound left-turn lanes | El Segundo | Preliminary Design | \$400,000 | No Funds | SBCCOG List |
| N13 | Intersection | Aviation Boulevard | at Marine Avenue | Manhattan Beach | Add dual southbound left-turn lanes | Manhattan Beach | Preliminary Design | \$400,000 | No Funds | SBCCOG List |
| N14 | Intersection | Aviation Boulevard | at Marine Avenue | Hawthorne | Construct westbound right-turn lane | Hawthorne | Concept, ROW required | \$412,000 | No Funds | City |
| N15 | Arterial | Inglewood Avenue | from El Segundo Blvd. to Imperial Highway | Hawthorne | Upgrade signals, improve right and left-turn lanes, roadway reconstruction | Hawthorne | Concept | \$2,000,000 | No Funds | City |
| N16 | Intersection | Aviation Boulevard | at Artesia Boulevard | Redondo Beach | Construct southbound and northbound right-turn lanes | Redondo Beach | Preliminary Design Complete, City has approval to take ROW | \$955,373 | No funds from 09 CFP | SBCCOG List |
| N17 | Intersection | Aviation Boulevard | at Artesia Boulevard | Redondo Beach | Construct eastbound right-turn lane | Redondo Beach | Concept | \$22,000 | No Funds | Circulation Element Update |
| N18 | Arterial | Inglewood Avenue | Southbound I-405 ramps to Manhattan Beach Boulevard | Redondo Beach | Widen southbound off-ramp and add right-turn at Inglewood Avenue | Redondo Beach | Preliminary Design Complete, starting ROW | \$5,175,000 | No Funds | SBCCOG List |
| N19 | Intersection | Inglewood Avenue | at Manhattan Beach Boulevard | Redondo Beach | Install eastbound right-turn arrow | Redondo Beach | Concept | \$30,000 | No Funds | City |
| N20 | Intersection | Inglewood Avenue | at Manhattan Beach Boulevard | Lawndale | Inglewood Corridor Capacity Enhancing Project Phase 1: Improve westbound right-turn | Lawndale | Caltrans approval to proceed with design services- City interviewing firms 8/19 | \$3,200,000 | \$2.6m in federal funds, \$650k in Prop C | SBCCOG List |
| N21 | Arterial | Inglewood Avenue | from Manhattan Beach Boulevard to Condon Avenue | Lawndale | Inglewood Corridor Capacity Enhancing Project Phase 2: Widen northbound Inglewood Avenue | Lawndale | Interviewing PS&E Consultants (8/10) | \$1,300,000 | \$1.019m from 09 CFP | SBCCOG List |
| N22 | Arterial | Inglewood Avenue | from Condon Avenue to I-405 southbound on-ramp | Lawndale | Extension of Phase 2 widening to I-405 southbound ramp | Lawndale | Concept | | No Funds | City |
| N23 | Arterial | Inglewood Avenue | Rosecrans Avenue to Marine Avenue | Lawndale/Hawthorne | Inglewood Corridor Capacity Enhancing Project: Phase 3: widening and adding SB lane from north city limit | Lawndale | Unresolved ROW issue in Hawthorne stalling project | \$3,168,000 | \$1.9m 09 CFP | SBCCOG List |
| N24 | Arterial | Rosecrans Avenue | from Inglewood Avenue to Prairie Avenue | Lawndale | Traffic signal improvements, left-turn improvements. Pavement rehabilitation and various concrete improvements. | Lawndale | Concept | \$2,400,000 | No Funds | SBCCOG List |
| N25 | ITS | | | Lawndale | Traffic Signal Improvements Citywide | Lawndale | | \$2,700,000 | No Funds | SBCCOG List |
| N26 | Arterial | Hawthorne Boulevard | El Segundo Boulevard to Rosecrans Avenue | Hawthorne | Improve traffic signals; add left-turn pockets; pedestrian, transit & handicap access improvements. | Hawthorne | Concept | \$7,000,000 | Metro: \$2.9m | SBCCOG List |

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| ID | Type | Facility | Limits | City/County | | Lead Agency | Design | Cost Estimate | Funding | |
| N27 | Intersection | 190th Street | at Prairie Avenue | Torrance | Add dual northbound right-turn lanes and restripe for three westbound through lanes | Torrance | Concept | \$400,000 | No Funds | SBCCOG List |
| N28 | Intersection | 190th Street | at Van Ness Avenue | Torrance | Widen signalized intersection and restripe to add three through lanes for westbound and eastbound and prohibit on-street parking and upgrade traffic signal | Torrance | Concept | \$400,000 | No Funds | SBCCOG List |
| N29 | Intersection | 190th Street | at Crenshaw Boulevard | Torrance | Reconstruct intersection (remove median and restripe) - Add one northbound left-turn lane | Torrance | Concept | \$400,000 | No Funds | SBCCOG List |
| N30 | Arterial | Del Amo Boulevard | from Madrona Avenue to Crenshaw Boulevard | Torrance | Construct new segment | Los Angeles | Advertised for Construction | \$19,200,000 | SAFTEA-LU: \$7m, ARRA \$3m, Local \$6m | 2008-2009 SCAG RTIP (Proj ID LA000389) |
| N31 | Arterial | Del Amo Boulevard | from Denker Avenue to Normandie Avenue | Los Angeles | Construct new segment | Caltrans | Preliminary Design Complete | \$6,800,000 | No Funds | SBCCOG List |
| N32 | Arterial | Del Amo Boulevard | from Normandie Boulevard to Vermont Avenue | County | Reconstruct and widen from one lane in each direction to two lanes in each direction | County | Preliminary Design Complete | \$29,920,250 | \$10.3m in SAFTEA-Lu and Local Funds | SBCCOG List |
| N33 | Intersection | Sepulveda Boulevard | at Wilmington Avenue | Carson | Improvements to the intersection of Wilmington Ave. and Sepulveda Blvd. | Carson | Preliminary Design Complete | \$500,000 | No Funds | City |
| N34 | Arterial | Sepulveda Boulevard | from Alameda Street to ICTF Driveway | Carson | Widen from two to four lanes | Carson | Programmed for 2011 | \$6,000,000 | Fed: \$1.2m, Metro: \$3.6m, City: \$660k | SBCCOG List, 2008 RTIP |
| N35 | ITS | Various | Various | Torrance | Implement ITS components at locations not covered by '95 Metro CFP South Bay Signal Synch Project, to provide effective citywide and multi-jurisdictional traffic management | Torrance | Metro 09 CFP | \$1,363,351 | | SBCCOG List |
| N36 | ITS | | | County | Design & construction of multijurisdictional traffic signal synchronization, intersection operational improvements, and intelligent transportation system components on regional arterials. | County | Partially Funded by Metro. | | \$1.92M Shortfall | SBCCOG List |
| N37 | ITS | | | SB Cities, County | 19.6 miles of Fiber Optic Infrastructure & 129 CCTV cameras | County | | \$10,000,000 | No Funding | SBCCOG List |
| I-105 Corridor | | | | | | | | | | |
| On/Adjacent to Facility | | | | | | | | | | |
| F30 | Ramp | I-105 | at Sepulveda Boulevard or Nash Street | El Segundo, Los Angeles | Study report for Interchange improvements at LAX Airport (E/P, PS/E only) | Caltrans | Funds for PSR | \$400,000 | SAFTEA-LU: \$320k, Metro: \$80k | Draft 2011 FTIP |
| F31 | Auxiliary lane | I-105 | Westbound: Crenshaw on-ramp to Crenshaw off-ramp | Hawthorne | Add WB auxiliary lane Crenshaw on to Crenshaw off. | Caltrans | Concept | \$13,000,000 | No funding | I-405 CSMP |
| F32 | Auxiliary lane | I-105 | Westbound from I-405 to Prairie Avenue | Hawthorne | Add WB auxiliary lane | Caltrans | Concept | | No funding | I-405 CSMP |
| F33 | Auxiliary lane | I-105 | Eastbound from Yukon to Crenshaw | Hawthorne | Add EB auxiliary lane. | Caltrans | Concept | \$29,000,000 | No funding | I-405 CSMP |
| F34 | Interchange | I-105 | at I-405 | Hawthorne | Add HOV connector from westbound I-105 to southbound I-405 | Caltrans | Concept | \$100,000,000 | No funding | Caltrans Measure R List |
| F35 | Interchange | I-105 | at I-405 | Hawthorne | Add HOV connector from westbound I-105 to northbound I-405 | Caltrans | Concept | \$100,000,000 | No funding | Caltrans Measure R List |
| Generally within One-Mile of Facility | | | | | | | | | | |
| N38 | Arterial | LAX area | | Los Angeles, El Segundo | Projects within and near Los Angeles International Airport to eliminate traffic bottlenecks (ISTEA Demo funds) | Metro | Concept | | ISTEA: \$2.48m, Metro: \$2.59m | Draft 2011 FTIP |

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| ID | Type | Facility | Limits | City/County | | Lead Agency | Design | Cost Estimate | Funding | |
| N39 | Arterial | Century Boulevard | I-405 to Van Ness | Inglewood | Construct raised median with turn pockets and additional turn lanes at major intersections | Inglewood | Design and EIR starting (8/10), PSRE | \$8,600,000 | Metro 09 CFP: \$3.22 Local: \$5.37m | SBCCOG List |
| N40 | Arterial | El Segundo Blvd. | from Prairie Avenue to Crenshaw Boulevard | Hawthorne | Upgrade signals, improve right and left-turn lanes, roadway reconstruction | Hawthorne | Concept | \$3,000,000 | No funds | City |
| N41 | Arterial | 120th Street | from Prairie Avenue to Inglewood Avenue | Hawthorne | Upgrade signals, improve right and left-turn lanes, roadway reconstruction | Hawthorne | Concept | \$2,000,000 | No funds | City |
| N42 | Arterial | Rosecrans Avenue | from Vermont Avenue to Crenshaw Boulevard | Gardena | Install median, left turn pockets, intersection upgrade. | Gardena | Concept | \$3,000,000 | No funds | SBCCOG List |
| I-110 Corridor | | | | | | | | | | |
| On/Adjacent to Facility | | | | | | | | | | |
| F36 | Ramp | I-110 | at SR-91 Interchange | County | Add new HOV connectors for northbound and southbound I-110 to eastbound SR-91 and from westbound SR-91 to northbound I-110 | Caltrans | Concept | <i>\$100,000,000</i> | No funds | Caltrans Measure R List |
| F37 | Ramp | I-110 | at Pacific Coast Highway | County | Widen southbound off-ramp | Caltrans | Concept | <i>\$15,000,000</i> | No funds | Caltrans Measure R List |
| F38 | Auxiliary lane | I-110 | Southbound: I-405 to Del Amo Boulevard Undercrossing | County | Widened southbound from three to four lanes | County, Caltrans | Concept | <i>\$50,000,000</i> | No funds | Iteris Team |
| Generally within One-Mile of Facility | | | | | | | | | | |
| N43 | Arterial | Torrance Boulevard | at I-110 undercrossing | County | Widen undercrossing | County | Concept | \$27,000,000 | No funds | SBCCOG List |
| N44 | Arterial | Sepulveda Boulevard | from Avalon Boulevard to Main Street | Carson | Landscape median, street lights, pavement restoration and signal upgrade | Carson | Concept | <i>\$2,000,000</i> | No funds | City |
| N45 | ITS | Avalon Boulevard | | County | Traffic Signal Synchronization Program: Design & construction of multijurisdictional traffic signal synchronization and intersection operational improvements, | County | | \$2,300,000 | No funds | SBCCOG List |
| SR-1 Corridor | | | | | | | | | | |
| On/Adjacent to Facility | | | | | | | | | | |
| F39 | Arterial | Sepulveda Boulevard | from Imperial Highway to El Segundo Boulevard | El Segundo | Implement PCH Study Recommendations (8) | El Segundo, Caltrans | Concept | <i>\$2,000,000</i> | Not funded | PCH Study (2009) |
| F40 | Arterial | Sepulveda Boulevard | from El Segundo Boulevard to Artesia Boulevard | Manhattan Beach | Implement PCH Study Recommendations (10) | Manhattan Beach, Caltrans | Concept | <i>\$2,500,000</i> | Not funded | PCH Study (2009) |
| F41 | Arterial | Sepulveda Boulevard | from 33rd Street to south of Rosecrans Avenue | Manhattan Beach | Add one northbound lane by widening bridge no. 53-62 | Manhattan Beach | City advertised for conceptual design 8/10, 2013/2014 construction | \$17,300,000 | Metro 09 CFP: \$6.8m SAFTEA-LU Demo: \$1.4m | SBCCOG List |
| F42 | Intersection | Sepulveda Boulevard | at Marine Avenue | Manhattan Beach | Add westbound dual left turns | Manhattan Beach | Design and Caltrans Permit complete, City has ROW | \$500,000 | No Funding | City |
| F43 | Intersection | Sepulveda Boulevard | at Manhattan Beach Boulevard | Manhattan Beach | Add northbound, westbound and eastbound dual left turn lanes | Manhattan Beach | Conceptual design and traffic analysis complete | \$980,000 | Not funded | SBCCOG List |
| F44 | Intersection | Pacific Coast Highway | at Aviation Boulevard | Hermosa Beach | Add southbound dual left turn lanes | Hermosa Beach | Concept | <i>\$400,000</i> | Not funded | SBCCOG List |

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| F45 | Arterial | Pacific Coast Highway | from Artesia Boulevard to Anita Street | Hermosa Beach | Implement PCH Study Recommendations | Hermosa Beach, Caltrans | Concept | \$500,000 | Not funded | PCH Study (2009) |
| F46 | Arterial | Pacific Coast Highway | from Anita Street to Palos Verdes Boulevard | Redondo Beach | Implement PCH Study Recommendations (11) | Redondo Beach, Caltrans | Concept | \$2,750,000 | Not funded | PCH Study (2009) |
| F47 | Intersection | Pacific Coast Highway | at Torrance Boulevard | Redondo Beach | Add northbound right-turn lane | Redondo Beach | Concept | \$585,000 | Not funded | City |
| F48 | Intersection | Pacific Coast Highway | at Palos Verdes Boulevard | Redondo Beach | Install westbound right-turn lane | Redondo Beach | Concept | \$320,000 | Not funded | City |
| F49 | Arterial | Pacific Coast Highway | from Palos Verdes Boulevard to Crenshaw Boulevard | Torrance | Implement PCH Study Recommendations (8) | Torrance, Caltrans | Concept | \$2,000,000 | Not funded | PCH Study (2009) |
| F50 | Intersection | Pacific Coast Highway | at Vista Montana/Anza Avenue | Torrance | Restripe to add southbound through lane & signal modification for protected northbound/southbound left turn phasing. Modify striping to accommodate a longer northbound left-turn lane | Caltrans | Preliminary Design Complete | \$1,900,000 | Not funded | SBCCOG List |
| F51 | Intersection | Pacific Coast Highway | at Hawthorne Boulevard | Torrance | Add northbound, eastbound, and westbound right-turn lane, add eastbound left-turn, signal upgrades | Torrance, Caltrans | Preliminary Design Complete; PSR complete (2002) | \$18,000,000 | Not funded | City Traffic Study |
| F52 | Intersection | Pacific Coast Highway | at Crenshaw Boulevard | Torrance | Add a second southbound left-turn lane, add northbound right-turn overlap phase. | Torrance | Preliminary Design Complete, ROW required | \$2,645,736 | Not funded | City Traffic Study |
| F53 | Intersection | Pacific Coast Highway | at Walnut | Lomita | Improve receiving lane of northern leg of intersection | Lomita | Concept | \$400,000 | Not funded | City |
| FN 1 | Arterial | Pacific Coast Highway and Parallel Arterials | From Imperial Highway to Artesia Boulevard | El Segundo, Manhattan Beach LA County | PCH North Corridor-- El Segundo Area ATMS. Improve traffic operations and implement ITS Elements | El Segundo | Concept | \$7,000,000 | Not funded | Iteris Team |
| FN 2 | Arterial | Pacific Coast Highway | Torrance City Limits Palos Verde Blvd to Crenshaw | Torrance | PCH South Corridor-- Torrance Area ATMS. Improve traffic operations and implement ITS Elements | Torrance | Concept | \$3,000,000 | Not funded | Iteris Team |
| Generally within One-Mile of Facility | | | | | | | | | | |
| N46 | Arterial | Vista Del Mar | north of southern City Limit | El Segundo | Roadway safety improvements: realign S-Curve | El Segundo | Concept | \$1,500,000 | Received \$500k in SAFETEA-LU | SBCCOG List |
| N47 | Intersection | Maple Avenue | at Sepulveda Boulevard | Torrance | Add southbound right-turn pocket | Torrance | Concept | \$400,000 | No funding | SBCCOG List |
| SR-107 Corridor / SR-213 Corridor | | | | | | | | | | |
| On/Adjacent to Facility | | | | | | | | | | |
| F54 | ITS | Hawthorne Boulevard | | | LA County ITS Project: Hawthorne Boulevard | County | | | | SBCCOG List |
| F55 | Intersection | Western Avenue | at Sepulveda Boulevard | Torrance | Add northbound left-turn lane; widen and restripe for dual eastbound left-turn lanes and westbound right-turn lanes, modify signals. | Torrance | Preliminary Design Complete | \$1,900,000 | No funding | 2008 LRTP (Draft) LA Metro, Citywide Traffic Study |
| F56 | Intersection | Western Avenue | at Palos Verdes Drive North | Lomita/Los Angeles | Intersection improvements | Lomita | Concept | \$400,000 | Not funded | City |
| Generally within One-Mile of Facility | | | | | | | | | | |
| N48 | Intersection | Crenshaw Boulevard | at Sepulveda Boulevard | Torrance | Add dual northbound right-turn lanes, one eastbound right-turn lane and one eastbound through-lane | Torrance | Concept | \$400,000 | No funding | SBCCOG List |

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| N49 | Intersection | Crenshaw Boulevard | at Lomita Boulevard | Lomita/Torrance | On Crenshaw Boulevard add dual northbound right-turn lanes and one southbound through lane. On Lomita Boulevard add one westbound right turn lane and one westbound through lane | Torrance | Concept | \$400,000 | No funding | SBCCOG List, Torrance Citywide Traffic Study |
| N50 | Intersection | Crenshaw Boulevard | at Carson Street | Torrance | Add fourth northbound through lane | Torrance | Concept | \$400,000 | No funding | SBCCOG List |
| N51 | Intersection | Crenshaw Boulevard | at Torrance Boulevard | Torrance | Provided dedicated southbound right-turn lane. | Torrance | ROW needed | \$400,000 | No funding | SBCCOG List, Torrance Citywide Traffic Study |
| N52 | ITS | | | | LA County ITS Project: Crenshaw Boulevard | County | | | | |
| SR-91 Corridor | | | | | | | | | | |
| On/Adjacent to Facility | | | | | | | | | | |
| F57 | ITS | Artesia Boulevard | | | LA County ITS Project: Artesia Boulevard | County | | | | SBCCOG List |
| Generally within One-Mile of Facility | | | | | | | | | | |
| N53 | Intersection | Artesia Boulevard | at Western Avenue | Gardena, Torrance | Add westbound dual left turns | Gardena | Concept | \$400,000 | No funding | City |
| N54 | Intersection | Del Amo Boulevard | at Santa Fe Avenue | Carson | Intersection improvements | Carson | Preliminary Design Complete | \$500,000 | No funding | SBCCOG List |
| Park and Ride | | | | | | | | | | |
| P1 | Park and Ride | Carson Regional Transit Center | Northwest corner of the South Bay Pavilion Mall parking lot | Carson | Construct Regional Transit Center on Del Amo Blvd | Carson | Land not dedicated by South Bay Pavilion | \$5,500,000 | \$5.5K Prop. C | SBCCOG List |
| P2 | Park and Ride | Artesia Transit Center | Artesia Transit Center | Los Angeles | Expand park & ride facility. | Caltrans | | \$5,000,000 | | SBCCOG List |
| P3 | Park and Ride | Redondo Beach Regional Transit Center | Near South Bay Galleria | Redondo Beach | Construct a regional Transit Center including a 14 bus berth transit center building, a kiss-n-ride passenger drop-off, a park-and-ride vehicle lot for 282 vehicles and a police annex | Redondo Beach | Design Complete | \$6,595,778 | Fully funded | SBCCOG List |
| P4 | Park and Ride | Torrance Regional Transit Center | 465 Crenshaw Boulevard | Torrance | Regional Transit Center | Torrance | Related to Green Line Extension | \$16,000,000 | \$13m from draft 2011 TIP (LA0G358) | SBCCOG List |

Notes:

Red numbers indicate project cost estimates by Iteris Team (8/16/10)

Estimated Total Program Cost **\$1,738,938,892**