Council Meeting of
January 25, 2011

SUPPLEMENTAL

Honorable Mayor and Members
of the City Council
City Hall
Torrance, California

Members of the Council:

SUBJECT: City Manager and Public Works – Supplemental Material to Item 12D

The following attachments to Item 12D, as noted in the Council item to be available on January 21, 2011, are hereby transmitted:

Attachment B - South Bay Measure R Early Action Program Project List
Attachment C - City of Torrance projects on the EAP
Attachment D - Funded Projects that could become eligible for Measure R funding

Additionally, please note a correction to the Analysis section of Item 12D as follows:

The last sentence of the third paragraph currently reads: Over the life of the program, the City is expected to receive funding of approximately 1.78 million to facilitate improved traffic flow."

The dollar amount should read $178 million.

Respectfully submitted,

Mary Giordano

Mary K. Giordano
Assistant City Manager

CONCUR:

LeRoy J. Jackson
City Manager

MKG/dle
Attachments: B) South Bay Measure R Early Action Program Project List *(available 1/21/11)*
C) City of Torrance projects on the EAP *(available 1/21/11)*
D) List of Fully-Funded Projects that could become eligible for Measure R funding *(available 1/21/11)*

12D

South Bay Measure R Highway Program

SBCCOG Board January 27, 2011 submission

Early Action Projects

Identification		Location			Description	Lead Agency	Nexus	South Bay Measure R Funding Allocation					
ID	Type	Facility	Limits	City/County				FY 2011/ 2012	FY 2012 / 2013	FY 2013 / 2014	FY 2014 / 2015	FY 2015 / 2016	Total 5-Year Allocation
Program Contingency								$2,000,000	$700,000	$300,000	$1,000,000	$1,000,000	$5,000,000
F2	Ramp	I-405	at Manchester Blvd.	Inglewood	Early Action: Improve turn radii at northbound I-405 off-ramp at Manchester Boulevard	Caltrans/ Inglewood	on/ adjacent to I-405	$186,000					$186,000
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	on/ adjacent to I-405	$2,100,000					$2,100,000
F29	ITS	I-405 & Arterial Roadways	Imperial Highway to Carson on I-405 and Parallel Arterials	Caltrans, Carson, County, Lawndale, Hawthorne, Redondo Beach, Torrance	I-405 Congestion Relief Corridor: Ramp and Arterial ITS Integration Freeway/Arterial/Interchange Corridor System Management - Rosecrans Ave., Manhattan Beach Blvd., Artesia Blvd., Inglewood Ave., Hawthorne Blvd., Crenshaw Blvd.	Caltrans	on/ adjacent to I-405		$5,000,000	$2,000,000			$7,000,000
F39	Arterial	Sepulveda Boulevard	from Imperial Highway to El Segundo Boulevard	El Segundo	PCH Study Improvements: Implement PCH Study Recommendations	El Segundo	on/ adjacent to SR-1				$400,000		$400,000
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	on/ adjacent to SR-1		$4,550,000	$4,550,000			$9,100,000
F42	Intersection	Sepulveda Boulevard	at Marine Avenue	Manhattan Beach	Add westbound dual left turns	Manhattan Beach	on/ adjacent to SR-1	$235,000					$235,000
F43	Intersection	Sepulveda Boulevard	at Manhattan Beach Boulevard	Manhattan Beach	Add northbound, westbound and eastbound dual left turn lanes and southbound right-turn lane	Manhattan Beach	on/ adjacent to SR-1			$980,000			$980,000
F44	Intersection	Pacific Coast Highway	at Aviation Boulevard	Hermosa Beach	Add southbound dual left turn lanes	Hermosa Beach	on/ adjacent to SR-1					$1,000,000	$1,000,000
F45	Arterial	Pacific Coast Highway	from Artesia Boulevard to Anita Street	Hermosa Beach	PCH Study Improvements: Implement PCH Study Recommendations	Hermosa Beach	on/ adjacent to SR-1	$240,000					$240,000
F46	Arterial	Pacific Coast Highway	from Anita Street to Palos Verdes Boulevard	Redondo Beach	PCH Study Improvements: Implement PCH Study Recommendations	Redondo Beach	on/ adjacent to SR-1	$1,400,000					$1,400,000
F47	Intersection	Pacific Coast Highway	at Torrance Boulevard	Redondo Beach	Add northbound right-turn lane	Redondo Beach	on/ adjacent to SR-1	$58,500	$526,500				$585,000
F48	Intersection	Pacific Coast Highway	at Palos Verdes Boulevard	Redondo Beach	Install westbound right-turn lane	Redondo Beach	on/ adjacent to SR-1	$32,000	$288,000				$320,000
F49	Arterial	Pacific Coast Highway	from Palos Verdes Boulevard to Crenshaw Boulevard	Torrance	PCH Study Improvements: Implement PCH Study Recommendations	Torrance	on/ adjacent to SR-1	$1,840,000					$1,840,000
F51	Intersection	Pacific Coast Highway	at Hawthorne Boulevard	Torrance	Add northbound, eastbound, and westbound right-turn lane, add eastbound left-turn, signal upgrades	Torrance	on/ adjacent to SR-1	$1,300,000		$300,000	$18,000,000		$19,600,000
F53	Intersection	Pacific Coast Highway	at Walnut	Lomita	Improve receiving lane of northern leg of intersection	Lomita	on/ adjacent to SR-1		$50,000	$450,000			$500,000
F56	Intersection	Western Avenue	at Palos Verdes Drive North	Lomita	Intersection improvements	Lomita	on/ adjacent to SR-213		$40,000	$360,000			$400,000
F60	ITS	I-405, I-110, I-105, SR-91	at freeway ramp/arterial signalized intersections	Carson, County, El Segundo, Hawthorne, Inglewood, Los Angeles, Lawndale, Redondo Beach, Torrance	Coordinate freeway ramp/arterial intersections with arterial corridors. (e.g. NB I-405 Off-Ramp at Artesia Boulevard, SB I-110 Off-Ramp at Pacific Coast Highway)	Caltrans	on/ adjacent to I-405	$5,000,000					$5,000,000
FN 1	ITS	Pacific Coast Highway and Parallel Arterials	From Imperial Highway to Artesia Boulevard	Caltrans, County, El Segundo, Hawthorne, Manhattan Beach	PCH North Corridor - Improve traffic operations and implement ITS Elements. North/South: Pacific Coast Highway, Aviation Boulevard. East/West: Imperial Highway, El Segundo Blvd., Rosecrans Ave., Manhattan Beach Blvd., Artesia Blvd.	Caltrans	on/ adjacent to SR-1		$4,000,000	$2,000,000			$6,000,000
FN 2	ITS	Pacific Coast Highway and Parallel Arterials	Palos Verde Blvd to I-110	County, Lomita, Torrance	PCH South Corridor-- Torrance Area ATMS. Improve traffic operations and implement ITS Elements	Caltrans	on/ adjacent to SR-1		$3,000,000				$3,000,000

Attachment B

Early Action Projects (continued)

Identification		Location			Description	Lead Agency	Nexus	South Bay Measure R Funding Allocation					
ID	Type	Facility	Limits	City/County				FY 2011/ 2012	FY 2012 / 2013	FY 2013 / 2014	FY 2014 / 2015	FY 2015 / 2016	Total 5-Year Allocation
N6	ITS	Various	Various	Inglewood	4th Phase of Citywide ITS Master Plan (central computer system with fiber optic interconnection linking all signalized intersections for two-way communications)	Inglewood	I-405 Corridor	$300,000	$3,200,000				$3,500,000
N13	Intersection	Aviation Boulevard	at Marine Avenue	Manhattan Beach	Add dual southbound left-turn lanes. Aviation Boulevard Phase 1: Intersection Projects	Manhattan Beach	I-405 Corridor			$1,500,000			$1,500,000
N14	Intersection	Aviation Boulevard	at Marine Avenue	Hawthorne	Construct westbound right-turn lane	Hawthorne	I-405 Corridor		$600,000				$600,000
N17	Intersection	Aviation Boulevard	at Artesia Boulevard	Redondo Beach	Construct eastbound right-turn lane.	Redondo Beach	SR-1 / I-405 Corridor	$22,000					$22,000
N18	Intersection	Inglewood Avenue	at Manhattan Beach Boulevard	Redondo Beach	Add southbound right-turn lane south of railroad tracks to Manhattan Beach Boulevard	Redondo Beach	I-405 Corridor			$517,500	$4,657,500		$5,175,000
N19	Intersection	Inglewood Avenue	at Manhattan Beach Boulevard	Redondo Beach	Install eastbound right-turn arrow	Redondo Beach	I-405 Corridor	$30,000					$30,000
N22	Arterial	Inglewood Avenue	from 156th Street to I-405 southbound on-ramp	Lawndale	Extension of Phase 2 widening to I-405 southbound ramp	Lawndale	I-405 Corridor	$100,000	$400,000				$500,000
N25	ITS	Various	Citywide	Lawndale	Traffic Signal Improvements Citywide	Lawndale	I-405 Corridor		$150,000		$1,350,000		$1,500,000
N26	Arterial	Hawthorne Boulevard	El Segundo Boulevard to Rosecrans Avenue	Hawthorne	Improve traffic signals; add left-turn pockets; pedestrian, transit & handicap access improvements.	Hawthorne	I-405 Corridor			$4,171,372			$4,171,372
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	I-405 Corridor	$500,000	$500,000	$1,000,000	$24,920,250		$26,920,250
N34	Arterial	Sepulveda Boulevard	from Alameda Street to ICTF Driveway	Carson	Widen from four lanes to six lanes, rehabilitate bridge.	Carson	SR-47 / I-405 Corridor		$1,158,000				$1,158,000
N42	Arterial	Rosecrans Avenue	from Vermont Avenue to Crenshaw Boulevard	Gardena	Install median, left turn pockets, intersection upgrade.	Gardena	I-110 / I-105 Corridor	$300,000	$317,000	$4,523,000			$5,140,000
N46	Arterial	Vista Del Mar	north of southern City Limit	El Segundo	Roadway safety improvements: realign S-Curve	El Segundo	SR-1 Corridor		$150,000		$1,350,000		$1,500,000
N47	Intersection	Maple Avenue	at Sepulveda Boulevard	Torrance	Add southbound right-turn pocket	Torrance	SR-107 Corridor	$60,000	$540,000				$600,000
N53	Intersection	Artesia Boulevard	at Western Avenue	Gardena, Torrance	Add westbound dual left turns.	Gardena	I-405 / SR-91 Corridor	$75,000		$600,000			$675,000
N57	Intersection	Aviation Boulevard	at Artesia Boulevard	Manhattan Beach	Construct southbound right-turn lane	Manhattan Beach	SR-1 / I-405 Corridor					$1,500,000	$1,500,000
N58	Intersection	Aviation Boulevard	at Artesia Boulevard	Redondo Beach	Construct northbound right-turn lane.	Redondo Beach	SR-1 / I-405 Corridor	$847,000					$847,000
N67	Arterial	Vermont Avenue	From Rosecrans Avenue to 182nd Street	Gardena	Addition of turn pockets, channelization, pavement upgrade, traffic signal improvements, and minor concrete work	Gardena	I-110 Corridor	$150,000	$132,000	$2,068,000			$2,350,000
N69	Arterial	Maple Avenue	from Sepulveda Boulevard to Parkview Avenue	El Segundo	Improve signage and roadway to provide a connection between northbound Sepulveda Boulevard and the eastbound I-105 ramps.	El Segundo	I-105 Corridor	$2,500,000					$2,500,000
P4	Park and Ride and Intersection	Torrance Transit Park and Ride Regional Terminal	465 Crenshaw Boulevard	Torrance	Construct a regional Transit Center including an 8 bus berth transit center building, a kiss-n-ride passenger drop-off, and a park-and-ride vehicle lot for 250 vehicles for the initial parking space provision	Torrance	I-405 / I-110 Corridor		$10,500,000	$10,500,000			$21,000,000
Torrance Transit Center Contingency Projects													
F55	Intersection	Western Avenue	at Sepulveda Boulevard	Torrance, Los Angeles	Add northbound left-turn lane; widen and restripe for dual eastbound left-turn lanes and westbound right-turn lanes, modify signals.	Torrance	on/ adjacent to SR-213						$ TBD*
F52	Intersection	Pacific Coast Highway	at Crenshaw Boulevard	Torrance	Add a second southbound left-turn lane, add northbound right-turn overlap phase. Continue third southbound lane on PCH from Rolling Hills Way to 600 feet east of intersection. Add an eastbound far side bus turn-out.	Torrance	on/ adjacent to SR-1						$ TBD*
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	Torrance	on/ adjacent to SR-1						$ TBD*

Early Action Projects (continued)

Identification		Location			Description	Lead Agency	Nexus	South Bay Measure R Funding Allocation					
ID	Type	Facility	Limits	City/County				FY 2011/ 2012	FY 2012 / 2013	FY 2013 / 2014	FY 2014 / 2015	FY 2015 / 2016	Total 5-Year Allocation
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	Torrance	on/ adjacent to SR-1						$ TBD*
B9	Intersection	190th Street	190th Street Intersection Projects	Torrance	**Bundled Projects Group 9**: N27, N28, N29	Torrance	I-405 Corridor						$ TBD*
N27	Intersection	190th Street	at Prairie Avenue	Torrance	Add dual northbound right-turn lanes and restripe for three westbound through lanes	Torrance	I-405 Corridor						$ TBD*
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	I-405 Corridor						$ TBD*
N29	Intersection	190th Street	at Crenshaw Boulevard	Torrance	Reconstruct intersection (remove median and restripe) - Add one northbound left-turn lane, part of Bundle B9	Torrance	I-405 Corridor						$ TBD*

* These projects will only be funded as part of the Early Action Program of the South Bay Measure R Highway Program with funds that remain from the Torrance Transit Center allocation following its completion.

Total Funding Allocation

FY 2011/ 2012	FY 2012 / 2013	FY 2013 / 2014	FY 2014 / 2015	FY 2015 / 2016	Total 5-Year Allocation
$19,275,500	$35,801,500	$35,819,872	$51,677,750	$3,500,000	$146,074,622

South Bay Measure R Highway Program

Lead Agency Jurisdiction: Torrance

Early Action Projects

Identification		Location			Description	Lead Agency	Nexus	South Bay Measure R Funding Allocation					
ID	Type	Facility	Limits	City/County				FY 2011 / 2012	FY 2012 / 2013	FY 2013 / 2014	FY 2014 / 2015	FY 2015 / 2016	Total 5-Year Allocation
F49	Artenal	Pacific Coast Highway	from Palos Verdes Boulevard to Crenshaw Boulevard	Torrance	PCH Study Improvements: Implement PCH Study Recommendations	Torrance	on/ adjacent to SR-1	$1,840,000					$1,840,000
F51	Intersection	Pacific Coast Highway	at Hawthorne Boulevard	Torrance	Add northbound, eastbound, and westbound right-turn lane, add eastbound left-turn, signal upgrades	Torrance	on/ adjacent to SR-1	$1,300,000		$300,000	$18,000,000		$19,600,000
N47	Intersection	Maple Avenue	at Sepulveda Boulevard	Torrance	Add southbound right-turn pocket	Torrance	SR-107 Corridor	$60,000	$540,000				$600,000
P4	Park and Ride	Torrance Transit Park and Ride Regional Terminal	465 Crenshaw Boulevard	Torrance	Construct a regional Transit Center including an 8 bus berth transit center building, a kiss-n-ride passenger drop-off, and a park-and-ride vehicle lot for 250 vehicles for the initial parking space provision	Torrance	I-405 / I-110 Corridor		$10,500,000	$10,500,000			$21,000,000

Torrance Transit Center Contingency Projects

F55	Intersection	Western Avenue	at Sepulveda Boulevard	Torrance, Los Angeles	Add northbound left-turn lane; widen and restripe for dual eastbound left-turn lanes and westbound right-turn lanes, modify signals.	Torrance	on/ adjacent to SR-213						$ TBD*
F52	Intersection	Pacific Coast Highway	at Crenshaw Boulevard	Torrance	Add a second southbound left-turn lane, add northbound right-turn overlap phase. Continue third southbound lane on PCH from Rolling Hills Way to 600 feet east of intersection. Add an eastbound far side bus turn-out.	Torrance	on/ adjacent to SR-1						$ TBD*
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	Torrance	on/ adjacent to SR-1						$ TBD*
B9	Intersection	190th Street	190th Street Intersection Projects	Torrance	**Bundled Projects Group 9**: N27, N28, N29	Torrance	I-405 Corridor						$ TBD*
N27	Intersection	190th Street	at Prairie Avenue	Torrance	Add dual northbound right-turn lanes and restripe for three westbound through lanes	Torrance	I-405 Corridor						$ TBD*
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	I-405 Corridor						$ TBD*
N29	Intersection	190th Street	at Crenshaw Boulevard	Torrance	Reconstruct intersection (remove median and restripe) - Add one northbound left-turn lane, part of Bundle B9	Torrance	I-405 Corridor						$ TBD*

* These projects will only be funded as part of the Early Action Program of the South Bay Measure R Highway Program with funds that remain from the Torrance Transit Center allocation following its completion.

South Bay Measure R Highway Program

SBCCOG Board January 27, 2011 submission

Fully Funded Projects (No Measure R Funding)

Identification		Location			Description	Lead Agency	Nexus
ID	Type	Facility	Limits	City/County			
F28	Ramp	I-405	at Wilmington Avenue	Carson	Widen Wilmington Avenue from 223rd Street, including I-405 ramp modification.	Caltrans	on/ adjacent to facility
F27	Ramp	I-405	at Avalon Boulevard	Carson	Interchange improvements	Caltrans	on/ adjacent to facility
F57	ITS	Artesia Boulevard	Artesia Boulevard	County	LA County ITS Project: Artesia Boulevard	County	on/ adjacent to facility
N5	ITS	Manchester Boulevard	from Aviation Boulevard to Van Ness Avenue	Inglewood	LA County ITS Project: Manchester Boulevard	County	I-405 Corridor
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	I-405 Corridor
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	I-405 Corridor
N20	Intersection	Inglewood Avenue	at Marine Avenue	Lawndale	Inglewood Corridor Capacity Enhancing Project Phase 1: Signal improvements and dedicated right turn lanes on three corners	Lawndale	I-405 Corridor
N21	Arterial	Inglewood Avenue	from Manhattan Beach Boulevard to 156th Street	Lawndale	Inglewood Corridor Capacity Enhancing Project Phase 2: Widen northbound Inglewood Avenue	Lawndale	I-405 Corridor
N23	Arterial	Inglewood Avenue	from south of Rosecrans Avenue to Marine Avenue	Lawndale/Hawthorne	Inglewood Corridor Capacity Enhancing Project: Phase 3: widening and adding SB lane from north city limit	Lawndale	I-405 Corridor
N36	ITS	Systemwide	2007 Call for Projects ITS	County	2007 Call for Projects South Bay Forum systemwide operational improvements, coordination and timing, and ITS improvements	County	I-405 Corridor
N37	ITS	Systemwide	2009 Call for Projects ITS	County	2009 Call for Projects South Bay Forum systemwide operational improvements, coordination and timing, and ITS improvements	County	I-405 Corridor
N45	ITS	Avalon Boulevard	from 126th Street to Sepulveda Boulevard	Carson	Upgrade traffic signal operations, vehicle detection, parking restrictions, signing and striping, and minor widening	County	I-110 Corridor
N52	ITS	Crenshaw Boulevard	from Rosecrans Avenue to Crestridge Road	County, Torrance, Gardena	Upgrade traffic signal operations, vehicle detection, parking restrictions, signing and striping, and minor widening	County	I-405 / SR-213 Corridor
N56	ITS	Aviation Boulevard	from 178th Street to Prospect Avenue	County, El Segundo, Manhattan Beach, Redondo Beach, Hermosa Beach	Upgrade traffic signal operations, vehicle detection, parking restrictions, signing and striping, and minor widening at approximately 14 locations	County	I-405 Corridor
N59	ITS	Rosecrans Avenue	from Ocean Gate Avenue to Vermont Avenue	Hawthorne, Lawndale, Gardena	Upgrade traffic signal operations, vehicle detection, parking restrictions, signing and striping, and minor widening at approximately 16 locations	County	I-405 Corridor

Fully Funded Projects (No Measure R Funding) continued

Identification		Location			Description	Lead Agency	Nexus
ID	Type	Facility	Limits	City/County			
N63	ITS	El Segundo Boulevard	from Illinois Street to Vermont Avenue	El Segundo, County, Hawthorne, Gardena	Upgrade traffic signal operations, vehicle detection, parking restrictions, signing and striping, and minor widening at approximately 28 locations	County	I-405 / I-105 / I-110 Corridor
N64	ITS	Imperial Highway	from Sundale Avenue to Budlong Avenue	Inglewood, Hawthorne, County	Upgrade traffic signal operations, vehicle detection, parking restrictions, signing and striping, and minor widening at approximately 17 locations	County	I-405 / I-105 Corridor
P3	Park and Ride	Redondo Beach Regional Transit Center	Near South Bay Gallena	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	I-405 Corridor