

**Metro**

Los Angeles County
Metropolitan Transportation Authority

One Gateway Plaza
Los Angeles, CA 90012-2952

213.922.2000 Tel
metro.net

**PLANNING AND PROGRAMMING COMMITTEE
SEPTEMBER 17, 2014**

**SUBJECT: RECOMMENDATIONS FROM THE RECONVENED MEASURE R
HIGHWAY ADVISORY COMMITTEE**

ACTION: APPROVE ACTIONS

RECOMMENDATIONS

- A. Amend Attachment (D-1) of the 2009 Long Range Transportation Plan (LRTP), Clarification on Project Eligibility for Highway Operational Improvement and Ramp/Interchange Improvements (Attachment A), to include South Bay Subregion's Operational Improvement projects for Soundwall and Bike Lanes to be part of the Measure R Highway Program Funding Strategy; and
- B. Augment the LRTP Highway Project Eligibility Policy to permit all affected subregions to use their respective Subregional Measure R funds to advance soundwall constructions as set forth in the Board-approved Post 89 Retrofit Soundwall Program priority list (Attachment B).

ISSUE

On August 11, 2014, the Measure R Highway Advisory Committee (HAC) reconvened its fourth meeting to discuss the Measure R Highway Program Funding Strategies as part of the 2009 LRTP. The committee members suggested that any Measure R policy should sustain its consistency for all Subregions affected and therefore recommended that Soundwall and Bike Lanes be made eligible for the South Bay Subregion, along with Arroyo Verdugo and Las Virgenes/Malibu Subregions. For those subregions that are willing to use their respective Subregional Measure R funds to advance their soundwall projects within the subregions, the HAC carried prior recommendation to allow the advancement to proceed, but not to alter the Post 89 Retrofit Soundwall Policy and/or change the priority set forth by the Board.

DISCUSSION

At its October 2009 meeting, the Metro Board authorized that both Soundwalls and bike lanes be eligible for up to 20 percent of the Operational and Ramp/Interchange Improvement dollars earmarked for the Arroyo Verdugo, Las Virgenes/Malibu and South Bay Subregions. The policy statement was, however, repeated inadvertently in the Attachment (D-1) of the LRTP without the mentioning of South Bay Subregion. A recommendation was subsequently made to revise the Attachment (D-1) and to keep South Bay Subregion the same as the other two Subregions. Upon discussion, another suggestion was also made to cover other soundwalls if other subregions are willing to use their respective Measure R funds to advance the soundwall construction enlisted in the Post 89 Retrofit Soundwall Program.

DETERMINATION OF SAFETY IMPACTS

The actions requested will have no impact on LACMTA's established safety standards.

FINANCIAL IMPACT

The actions requested will have no impact on LACMTA's budget and process.

Impact to Budget

The source of funds is from the Measure R Subregional Highway Operational Improvement Subfund for respective Subregions, which would total up to the already programmed amount as documented in the approved LRTP Financial Plan for the first decade. These funds are not eligible for bus/rail operating or capital expenses.

ALTERNATIVE CONSIDERED

The Board could elect not to approve the authorization of the earlier implementation of soundwall construction with various Subregions. This is not recommended, however, as advancing highway and soundwall projects is amongst the highest priorities of the reconvened HAC.

NEXT STEPS

It is anticipated that the HAC would meet again in November 2014 to review the implementation of highway and soundwall project advancement and to discuss any issues that might arise in the next few months.

ATTACHMENT

- A. Clarification on Project Eligibility for Highway Operational Improvement and Ramp/Interchange Improvements (October 2009 Board Report #10)
- B. Priority List of the Post 89 Retrofit Soundwall Program as approved by the Board

Prepared by: Aziz Elattar, Executive Officer, Highway Program
(213) 922-4715
Gregg Magaziner, P.E., Executive Officer, Highway Program
(213) 922-7337
Gary S. Sidhu, P.E., Managing Executive Officer, Highway Program
(213) 922-6840

Bryan Pennington

Bryan Pennington
Executive Director, Engineering and Construction

Arthur T. Leahy

Arthur T. Leahy
Chief Executive Officer

Attachment A
(Attachment D of original document)

Attachment D

Measure R Highway Program Funding Strategy

To develop both a vision and schedule for the Highway program for the LRTP, we formed a Highway Advisory Committee. Representatives from each of the Councils of Governments, City of Los Angeles, County of Los Angeles and Caltrans composed the Committee. The Committee met six times to assist us with developing the delivery schedule and funding plan for the Highway Component as well as reviewed first decade bonding scenarios should that be necessary to deliver those projects by the dates identified by project sponsors. They also assisted us with clarifying the definitions of Operational and Ramp/Interchange improvements and project completion for Measure R purposes.

With regard to the clarification of the definition of Operational and Ramp/Interchange Improvements, the Committee requested as much flexibility as possible. Therefore, they requested that both Soundwalls and bike lanes be eligible for up to 20% of the Operational and Ramp/Interchange Improvement dollars earmarked for the Arroyo Verdugo, Las Virgenes/Malibu and South Bay subregions and requested that intersection and street widening projects on roadways generally within a one-mile corridor of a State highway also be eligible. These types of improvements have been included in the clarification. For Measure R purposes, the Board needs to adopt the clarification of types of eligible projects to provide direction to staff (see D-1).

With regard to the definition of project completion (see D-2), this would give us guidance should there be Measure R project savings which can be moved to other projects identified by the subregion in which the project is located. The Board would need to deem a project complete for the funds to be moved and the subregion would need to identify a project(s) to which to move the funds, which would also require Board action.

To determine project delivery dates, we contacted each project sponsor to determine their delivery schedule and cash flow needs. Project costs were escalated to year of expenditure based on the LRTP established escalation rates. The funding gap was identified and potential sources of funds to meet those needs were identified. The potential sources and respective amounts were assumed in six-year increments to correspond with Federal Reauthorization periods. The Highway Advisory Committee reviewed these sources and concurred with the funding strategy. The table explanation and the two summary sheets of the funding strategy are attached (see D-3).

Many project sponsors requested that all or a majority of their Measure R funds be reserved in the first 10 years resulting in insufficient Measure R revenues potentially available to meet the needs. We developed several scenarios for bonding in the first decade should it be necessary. Committee members agreed that the bonding and interest costs would be part of the applicable project's costs and Measure R

allotment. One bonding scenario assumed total soundwall funding at \$124 million and in the first decade. Another bonding scenario assumed total soundwall funding at \$220 million, also in the first decade. Currently Soundwall Packages 5, 6, 7, 8 and 10 are in final design and Package 11 is in preliminary design. The \$220 million figure represents the cost to construct soundwalls through Package 11. At the time that these soundwalls are ready for construction, the Board will need to decide how many it wishes to deliver without affecting the delivery of other projects. D-4 shows the location of the soundwall packages. The Highway Advisory Committee was supportive of soundwalls, but not at the expense of the delivery of other projects.

The Measure R Expenditure Plan contained an estimated cost of the highway projects of \$22.3 B – with Measure R funding only about one-third. Current cost estimates for these projects exceed \$30 B. We expect to use the Measure R funds to leverage significant other local, state and federal funds as well as to attract potential private partners for some of the projects identified as high potential for Private Financial Participation in order to complete them.

For each project, the attached 30-year Highway Program Strategy indicates the latest escalated cost estimate, the Measure R funds earmarked for the project, and the other funds that we, in partnership with the project sponsors, will seek to fill the funding gaps. The estimated funding needs are shown in 6-year periods that coincide with the federal transportation reauthorization cycles.

In partnership with the project sponsors and our highway advisory committee, and in consultation with our government relations staff, we identified the "pots" of local, state and federal money for which each project would be eligible. These pots and the dollars needed from them are reflected in the columns based on the 6-year reauthorization periods discussed above. These are the funds that we as a County need to pursue to deliver these projects within their specified completion date. In addition, we have also estimated the amount of private resources that we need to secure through tolls, private financial participation, railroads, container fees, etc.

(D-1)

Clarification on Project Eligibility for Highway Operational Improvement and Ramp/Interchange Improvements

The intent of a Measure R Highway Operational Improvement is to improve traffic flow in an existing State Highway corridor by reducing congestion and operational deficiencies at spot locations that do not **significantly** expand the design capacity of the system and are intended to address recurrent congestion. In addition to those eligible projects on the State Highway System, for Measure R, projects located on **primary roadways located generally within a one mile** corridor of any State Highway, **including principal arterials, minor arterials, and key collector roadways**, will be considered eligible for Operational Improvements and for ramp and interchange improvements. Examples of **eligible** improvement projects include:

- interchange modifications (but not to accommodate traffic volumes that are significantly larger than the existing facilities were designed for);
- ramp modifications (acceleration - deceleration/weaving);
- auxiliary lanes for merging or weaving between adjacent interchanges;
- curve corrections/improve alignment;
- signals and/or intersection improvements;
- two-way left-turn lanes;
- **intersection and street widening;**
- **traffic signal upgrade/ timing/synchronization;**
- **traffic surveillance;**
- channelization;
- **Park and Ride facilities;**
- turnouts;
- shoulder widening/improvement;
- **safety improvements that reduce incident delay.**

Up to 20% of the Arroyo Verdugo and Las Virgenes/Malibu Subregions' Operational Improvement dollars may be used for soundwalls and bike lanes.

Other projects could be considered on a case-by-case basis as long as a nexus to State Highway Operational Improvements can be shown.

*Bolded words reflect Committee's input

Attachment B

Post 1989 Retrofit Soundwall Program

January 10, 2014

Phase I, Priority 1 contains soundwall projects along freeway HOV segments where soundwalls were constructed on one side of the freeway only.

Rte	Postmile		Dist	Proj. Dist	Project Description	
	From	To			General Location	Project Location
Construction Completed:						
PACKAGE 1						
170	18.8	19.3	0.5	0.5	Los Angeles	South of Saticoy St/South of Strathern St: SB
170	19.3	19.8	0.5	0.5	Los Angeles	South of Strathern St/North of Roscoe Blvd: SB
PACKAGE 2						
210	40.6	41.1	0.5	0.5	Azusa & Glendora	E Citrus Ave/W Barranca Ave: EB
210	40.6	42.1	1.5	1.3	Azusa & Glendora	W Citrus Ave/E Big Dalton Wash: WB
PACKAGE 3						
210	29.5	29.9	0.4	0.4	Arcadia	W Michillinda Ave/E Rosemead Blvd: WB
210	29.5	29.9	0.4	0.3	Arcadia	Rosemead Blvd/Michillinda Ave: EB
210	29.9	30.7	0.8	1.1	Arcadia	N Baldwin Ave/E Michillinda Ave: WB
210	30.6	30.7	0.1	0.1	Arcadia	E Baldwin Ave/Mile E Baldwin Ave: WB
DUARTE COMPANION SOUNDWALL						
210	R35.5	R36.0	0.5	0.5	Duarte	Highland Ave./Wo Duncannon Ave: WB
PACKAGE 4						
210	31.8	33.0	1.2	1	Arcadia & Monrovia	Huntington Dr/Santa Anita Ave: WB
210	31.8	32.2	0.4	0.3	Arcadia & Monrovia	Santa Anita Ave/2nd Ave: EB
210	33.0	33.5	0.5	0.5	Arcadia & Monrovia	E Huntington Dr/E Mayflower Ave: EB
210	33.7	33.9	0.2	0.2	Arcadia & Monrovia	W Magnolia Ave/W Myrtle Ave: EB
210	33.9	34.2	0.3	0.3	Arcadia & Monrovia	E Myrtle Ave/E California Ave: EB
In Construction:						
PACKAGE 5						
405	46.2	46.8	0.6	0.6	Los Angeles	S Devonshire St/S Route 118 : NB
405	46.3	47.1	0.8	0.8	Los Angeles	N Route 118/N Devonshire St: SB
405	47.0	47.6	0.6	0.6	Los Angeles	N Route 118/S Rinaldi St: NB
405	47.3	47.8	0.5	0.5	Los Angeles	Rinaldi St/N San Fern Mission Blvd: SB
PACKAGE 6						
405	0.0	1.0	1.0	1.0	Long Beach	San Gabriel River/Atherton: SB
PACKAGE 7						
134	0.9	2.6	1.7	1.7	Los Angeles	Eo Cahuenga Blvd/Eo California St: EB
134	2.7	2.9	0.2	0.4	Burbank	Eo & Wo Riverside Dr: WB & EB
PACKAGE 8						
605	11.4	12.0	0.6	1.2	Los Angeles County	So Slauson Ave / So Washington Blvd: NB & SB
605	12.0	12.8	0.8	0.8	Los Angeles County	Washington Blvd / So Dunlap Crossing: SB
605	13.4	13.9	0.5	0.5	Whittier	So Whittier Blvd / So Obregon St: SB
605	13.5	13.6	0.1	0.1	Whittier	So Whittier Blvd / No Whittier Blvd: NB
PACKAGE 9 - Cancelled per Sep 2007 Board						

Post 1989 Retrofit Soundwall Program

January 10, 2014

Phase I, Priority 2 contains soundwall projects along freeway segments where HOV lanes were constructed without the warranted soundwalls.

Rte	Postmile		Dist	Proj. Dist	Project Description	
	From	To			General Location	Project Location
Final Design & Engineering In Progress:						
PACKAGE 10						
210	25.3	26.6	1.2	1.2	Pasadena	Fair Oaks Ave. / Wilson Ave / IC 210/134: EB & WB
210	30.8	32.2	1.1	1.1	Arcadia	Baldwin Ave/Arcadia Wash: EB & WB
PACKAGE 11						
405	43.0	43.1	0.1	0.1	Los Angeles	No Stagg St / So Stagg St: SB
170	14.7	16.6	1.9	1.9	Los Angeles	Route 101 / Oxnard Street: NB
170	14.7	16.6	1.9	1.9	Los Angeles	Route 101 / Oxnard Street: SB
170	16.7	17.2	0.5	0.5	Los Angeles	Laurel Canyon Blvd / Victory Blvd: SB
170	17.2	18.3	1.1	2.2	Los Angeles	Victory Blvd / Sherman Way: NB & SB
Currently Unfunded:						
PACKAGE 12 (Unfunded)						
210	41.3	41.9	0.6	0.6	Glendora	EB Offramp Grand Ave / Big Dalton Wash: EB
210	42.3	43.1	0.8	0.8	Glendora	Wo Bonnie Cove Ave / Eo Bonnie Cove Ave: EB
210	43.1	43.4	0.3	0.3	Glendora	Wo Lyman Ave / Eo Sunflower Ave: EB
PACKAGE 13 (Unfunded)						
405	6.4	10.9	4.5	9.0	Long Beach	Long Beach Blvd / 213 St: NB & SB
					Carson & LA	
PACKAGE 14 (Unfunded)						
134	10.8	11.4	0.6	0.6	Eagle Rock	Wo Mt. Helena Ave/Wo Figueroa St: EB

Post 1989 Retrofit Soundwall Program

January 10, 2014

Phase I, Priority 3 contains soundwalls that met requirements to be in Phase I but was identified after the Board action of April 27, 2000.

Not in Rank Order and Unfunded:						
Rte	Postmile		Dist	Proj. Dist	Project Description	
	From	To			General Location	Project Location
57	1.2	5.1	3.9	7.8	Diamond Bar	N of Brea Cyn Road/N of Sunset Crossing: NB & SB
91	11.8	14.6	2.8	5.6	Bellflower	Los Angeles River/Lakewood Blvd :NB & SB
118	4.6	8.3	3.7	7.4	Los Angeles	E of Tampa Ave/W of Havenhurst Ave :WB & EB
118	9.2	12.4	3.2	6.4	Los Angeles	E of Woodely Ave/San Fernando Road :WB & EB
134	0.1	0.3	0.2	0.2	Toluca Lake	Rte 101/134/Ensign Ave: EB
134	2.9	3.0	0.1	0.1	Burbank	West Riverside Dr. UC: WB
134	3.2	3.5	0.3	0.3	Burbank	0.2 E/o Buena Vista St/LA River: WB
405	3.4	3.7	0.3	0.3	Long Beach	0.1No Lakewood Blvd/0.4 No Lakewood Blvd: SB
405	13.4	13.8	0.4	0.4	Los Angeles	Denker Ave./Normandie: NB

Post 1989 Retrofit Soundwall Projects

January 10, 2014

Phase II contains all other qualified soundwalls including soundwalls identified prior to the adoption of this policy

Not in Rank Order and Unfunded:						
Rte	Postmile		Dist	Proj. Dist	Project Description	
	From	To			General Location	Project Location
2	14.20	15.10	0.90	1.80	Los Angeles	Glendale Blvd / Route 5: WB & EB
2	15.10	18.80	3.70	7.40	Los Angeles	Route 5 / Route 134: WB & EB
5	14.00	17.76	3.80	7.60	Los Angeles	0.1 So Olympic / First St: NB & SB
5	22.90	23.70	0.80	1.60	Los Angeles	Fletcher Dr / So Glendale Blvd: NB & SB
5	22.50	23.00	0.50	0.50	Los Angeles	Fletcher Dr. to Route 2: SB
5	19.60	20.10	0.50	0.50	Los Angeles	S. of Broadway to S. of Humboldt St. NB
10	2.20	3.70	1.50	3.00	Santa Monica	Lincoln Blvd / Eo 27th St: WB & EB
10	4.00	6.80	2.80	5.60	Santa Monica/LA	E of Centinela Ave / Motor Ave: WB & EB
10	6.80	7.20	0.80	1.60	Los Angeles	Motor Ave/ Palms/National Blvd. : WB & EB
10	7.20	9.30	2.10	4.20	Los Angeles	Wo Palms / Fairfax Ave: WB & EB
10	10.10	14.75	4.70	9.40	Los Angeles	Redondo Blvd / Eo Albany St: WB & EB
10	18.40	24.00	5.60	11.20	Alhambra	Wo Route 5 / Garfield : WB & EB
10	24.80	26.40	1.60	3.20	Monterey Park	New Ave / Walnut Grove Ave: WB & EB
10	47.60	47.80	0.13	0.13	Los Angeles	0.1 mile Wo Indian Hill Blvd to 0.1 mile Eo Indian Hill Blvd
14	47.30	47.60	0.30	0.30	Los Angeles	North of Red Rover Mine Rd: NB (Vasquez High School)
14	60.70	68.80	8.10	8.10	Lancaster	Ave P-8 / Ave I: NB
47	0.00	0.60	0.60	1.20	Los Angeles	East of Gaffey St. to West of Harbor Blvd., NB & EB
57	6.00	7.40	1.40	2.80	Pomona	0.2 So Temple Ave / No Campus: NB & SB
60	2.20	3.30	1.10	1.10	Los Angeles	Rowan / Route 710: WB
60	8.60	11.70	3.10	6.20	Los Angeles	San Gabriel Blvd / Route 605: WB & EB
71	2.50	4.20	1.70	1.70	Pomona	0.1 mile South of North Ranch Rd to Rte 71/60 IC: NB
90	1.10	2.00	0.90	0.90	Los Angeles	Ballona Creek / Inglewood Blvd: WB
90	2.00	2.50	0.50	1.00	Culver City	Inglewood Blvd / Route 405: WB & EB
90	1.70	2.00	0.30	0.30	Los Angeles	E. of Centinela Ave. to W. of Inglewood Blvd, WB
90	1.20	1.60	0.40	0.40	Los Angeles	E. of Mindanao Short Ave. to W. of Culver Blvd. EB
101	2.70	4.60	1.90	3.80	Los Angeles	So Alvarado St / No Vermont Ave: NB & SB
101	7.40	7.50	0.10	0.10	Los Angeles	Cahuenga Blvd/0.1 No Cahuenga Blvd: SB
101	11.10	11.50	0.40	0.80	Los Angeles	Vineland Ave / 0.2 N. Moorpark St: NB & SB
101	12.60	12.80	0.20	0.20	Los Angeles	Radford Ave / Laurel Canyon Blvd: NB (0.20 mi) & Radford Ave. OC: SB (0.03 mi)
101	18.80	21.00	2.20	4.40	Los Angeles	No Hayvenhurst Ave / Burbank Blvd: NB & SB
101	21.20	21.50	0.30	0.30	Los Angeles	Wo Reseda Blvd/Yolanda Ave: SB
101	23.20	24.30	1.10	1.10	Woodland Hills	Winnetka Ave / Desoto Ave: NB
101	24.90	25.20	0.30	0.30	Los Angeles	Canoga Ave/Owensmouth Ave:NB
101	25.80	26.60	0.80	0.80	Los Angeles	Shoup Ave/E Woodlanke Ave: NB
101	26.70	26.90	0.20	0.20	Woodland Hills	Dunman Ave/0.4 mile s/o Mulholland Dr: SB
101	31.90	32.20	0.30	0.30	Calabasas	Lost Hills Rd / 0.3 No Lost Hills Rd: NB
101	0.88	1.15	0.27	0.27	Los Angeles	1st Street to Kearney St: NB
101	10.50	11.20	0.70	0.70	Los Angeles	N. of Lankershim Blvd to N. of Vineland Ave. SB
101	25.40	25.54	0.14	0.40	Los Angeles	W. of Topanga Canyon to E of Farralone Ave. WB
101	6.37	6.37	0.00	0.00	Los Angeles	Along Hollywood Blvd. On-Ramp
101	1.60	2.70	1.10	1.10	Los Angeles	Beaudry Ave to Alvarado St. NB
105	2.93	3.35	0.42	0.42	Los Angeles	W Inglewood Ave/Hawthorne: WB
105	6.50	6.80	0.30	0.30	Hawthorne	W. of Budlong Ave. to W. of Vermont Ave. WB
105	4.50	4.90	0.40	0.40	Hawthorne	E. of Crenshaw Blvd., to W. of Crenshaw Blvd. WB
105	3.60	3.80	0.20	0.20	Hawthorne	E. of Praire Ave. to W. of Doty Ave. WB

Post 1989 Retrofit Soundwall Projects

January 10, 2014

Phase II contains all other qualified soundwalls including soundwalls identified prior to the adoption of this policy

Not in Rank Order and Unfunded:						
Rte	Postmile		Dist	Proj. Dist	Project Description	
	From	To			General Location	Project Location
105	2.30	3.30	1.00	1.00	Hawthorne	E. of Rte 405 to W. of Praire Ave. WB
105	4.20	4.40	0.20	0.20	Hawthorne	W. to E. of Dominguez Creek. EB
105	3.50	3.80	0.30	0.30	Hawthorne	E. of Praire Ave. to W. of Praire Ave. EB
105	2.70	3.20	0.50	0.50	Hawthorne	E. of Inglewood Ave. to W. of Hawthorne Blvd. EB
105	6.10	7.00	0.90	0.90	Hawthorne/LA	W. of Normandie Ave. to W. of Hoover St. EB
105	7.60	8.30	0.70	0.70	Los Angeles	E. of Rte 110 to E. of Avalon Blvd. WB
105	7.40	7.90	0.50	0.50	Los Angeles	E. of Rte 110 to W. of Main St. EB
105	11.60	11.90	0.30	0.30	Lynwood	W. of Long Beach Blvd to W. of Spruce St. WB
105	10.90	11.60	0.70	0.70	Lynwood	W. of State St. to W. of Long Beach Blvd. EB
105	12.00	13.20	1.20	1.20	Lynwood	W. of Bullis St to E. of Wright Rd. EB
105	8.70	9.70	1.00	1.00	Willowbrook	W. of Central Ave. to W. of Wilmington Ave. WB
105	8.90	9.40	0.50	0.50	Willowbrook	W. of Central Ave. to E. of Compton Ave. EB
105	9.70	11.10	1.40	1.40	Willowbrook/Lynw	W. of Wilmington Ave. to E. of State St. WB
110	0.70	6.60	5.90	11.80	Los Angeles	No Oliver St / 0.1 No 223rd St: NB & SB
110	0.95	1.20	0.25	0.25	San Pedro	N El Beron Ave/ N Mac Arthur Ave: NB
110	20.80	20.90	0.19	0.20	Los Angeles	Flower St / 23rd St: NB
110	24.16	30.10	5.90	5.90	Los Angeles	So College / Arroyo Dr: SB
110	20.80	21.20	0.40	0.40	Los Angeles	23rd St to Washington Blvd. SB
118	1.80	1.90	0.10	0.10	Chatsworth	Topanga Canyon Blvd/118 Freeway Off-Ramp: EB
118	1.80	1.90	0.10	0.10	Chatsworth	E. of Topanga Canyon Blvd to E. of Topanga Blvd. WB
134	2.80	3.80	1.0	1.0	Burbank	0.2 mile Eo Buena Vista St to Forest Lawn Dr: WB
134	12.25	12.36	0.11	0.11	Glendale	W San Rafael Ave/E San Rafaek Ave: EB
134	12.96	13.14	0.18	0.18	Los Angeles	574 ft. Wo Orange Grove Blvd OC to 394 ft. Eo Orange Grove OC: WB
210	0.50	4.80	4.30	8.60	Los Angeles	Eo Foothill Blvd / Wo Maclay St: WB & EB
210	6.00	11.10	5.10	10.20	Los Angeles	Paxton St / So Sunland Ave: WB & EB
210	15.30	15.90	0.60	1.20	Glendale	0.4 mi. Wo Honolulu Ave/Boston Ave: WB & EB
210	15.90	21.50	5.60	11.20	La Canada/Flintridge	Boston / Berkshire Place: WB & EB
210	22.50	24.60	2.10	4.20	Pasadena	N. Arroyo Blvd / Orange Grove Blvd: WB & EB
210	31.80	34.20	2.40	2.40	Arcadia	Santa Anita Avenue Off-Ramp: WB
210	44.60	47.00	2.40	4.80	Glendora	0.3 mi. Wo Glastone St to 0.5 m. w of Via Verde in S-Dimas: WB & EB
405	2.75	2.79	0.04	0.04	Long Beach	Clark Ave Bridge Structure: SB
405	7.50	9.40	1.90	1.90	Long Beach	LA-405 SB to LA-710 SB Connector: SB
405	19.20	20.30	1.10	1.10	Los Angeles	W. Rosecrans Ave. to W. El Segundo Blvd: SB
605	25.80	26.10	0.30	0.60	Inwindale	Route 210 / So Huntington Dr: NB & SB
605	2.45	3.0	0.60	0.60	Lakewood	El Dorado Park HOV S/W between Spring St & Carson St: EB
605	0.15			0.15	Lakewood	North of Coyote Creek Overcrossing to South of Spring St. NB On Ramp: NB
605	10.20	11.30	1.10	1.10	Pico Riviara	S of Telegraph Rd. to S of Slauson Ave. SB
605	14.10	14.50	0.40	0.40	Whittier	UPRR bridge to No. of Beverly Blvd.: NB
605	7.10	7.30	0.20	0.20	Norwalk	LA-605 SB from Eo LA-105 to Wo Rosecrans Ave
710	17.00	19.40	2.40	2.40	Bell/South Gate	Imperial Hwy to So Clara St: SB