



**PLANNING AND PROGRAMMING COMMITTEE
FEBRUARY 16, 2005**

SUBJECT: POST 1989 RETROFIT SOUNDWALL PROGRAM

ACTION: APPROVE RECOMMENDATION FOR THE DESIGN OF THE POST 1989, PHASE I, PRIORITY 1 SOUNDWALLS DESIGN PACKAGE 4.

RECOMMENDATIONS

Authorize the Chief Executive Officer to amend the existing soundwall design Memorandum of Understanding (MOU) with Caltrans to add the final design and right-of-way support of the Post 1989, Phase I, Priority 1 Soundwalls, Design Package 4 (Attachment A) and increase the amount by \$2.3 million to a total contract amount not to exceed of \$6.4 million.

ISSUE

In July 2003, the Board approved staff's recommendation to enter into a Memorandum of Understanding (MOU) with Caltrans for an amount not to exceed \$4.3 million for the final engineering design and right-of way certification of the Post 1989, Phase I, Priority 1 Soundwalls, Design Packages 1, 2, and 3 (Attachment B). Final design work on Packages 1, 2, and 3 is currently in progress.

In September 2004, the Board approved accelerated funding for deferred transportation programs including \$26.4 million for the previously programmed Soundwall Program. This additional funding of \$26.4 million is sufficient to move forward with the final design and construction of the Phase I, Priority 1, Package 4 soundwalls. The final design cost is \$2.3 million and the construction cost is estimated at \$17. 2 million for an estimated total cost of \$19.5 million. Of the remaining \$6.9 million, \$5.0 million will be budgeted for the soundwall design-build demonstration project which will be presented to the Board under separate cover. The balance of \$1.9 million will be reserved for future soundwall delivery.

POLICY IMPLICATIONS

The recommended action is consistent with the Board adopted Post 1989 Retrofit Soundwall Implementation Policies (April 2000) which includes delivery and funding strategies for the Post 1989, Phase I Soundwall projects. The policy assigns responsibility for the work of preparing final design plans to Caltrans. Caltrans has designated a specialized soundwall design team to ensure the efficient delivery of the Post 1989 Soundwalls.

ALTERNATIVES CONSIDERED

The Board could choose not to amend the funding agreement with Caltrans for the final design of Post 1989, Phase I, Priority 1 Soundwall projects, Design Package 4. However, staff is not recommending this action because Caltrans has the experience and has reorganized in-house resources by dedicating a special design team to perform this work efficiently and cost effectively. In addition, the final design of Package 4 will extend the much need soundwalls on Route 210 immediately adjacent to the soundwall projects under Package 3. If the Board chooses not to enter into a funding agreement with Caltrans, the design and construction of Post 1989, Phase I, Priority 1 Soundwalls, Design Package 4 would be unnecessarily delayed. The Board could also choose to design the remaining list of Phase I, Priority 1 Soundwall projects (packages 4 to 7) at this time. Staff is not recommending this, however, as there is not currently sufficient funds to construct the entire Post 1989, Phase I, Priority 1 Soundwall projects. The currently available funding will allow the construction of the walls in Design Packages 1,2,3, and 4. As further funds are identified, staff will request Board approval to initiate final design of additional packages of Phase I, Priority 1 Soundwalls.

FINANCIAL IMPACT

Sufficient funds have been budgeted in Cost Center 4340, Gateway Cities Area Team, under Project Number 405522, Account Number 50316, Task Number 001.19, Post 1989 retrofit soundwall program to cover FY 05 design activities for the Phase I, Priority 1 Soundwalls, Design Package 4. Since this is a multi-year work program, the cost center manager and Chief Planning Officer will be accountable for budgeting for the costs in future years.

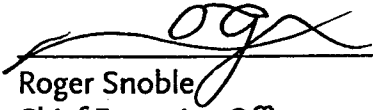
DISCUSSION

Using data from the completed soundwall project reports, Caltrans computed Priority Index Numbers (PIN's) using the State required methodology for all of the Phase I, Priority 1 Soundwall segments. Staff grouped the soundwall segments into seven design packages based on their proximity along freeway corridors to ensure cost efficient construction. The design packages were in-turn prioritized based on the average of the PIN's in the respective design packages. Soundwall segments are not prioritized within design packages.

The estimated design cost of \$ 2.3 million was derived by reviewing the complexity of the soundwall construction and updating the costs estimates from the Noise Barrier Scope Summary Reports (NBSSR) that were completed in 2003. The estimated construction costs of the Phase I, Priority 1 Soundwall projects, Design Package 4 was calculated from its NBSSR. An amendment to the existing memorandum of understanding (MOU) between Caltrans and MTA (for the design of the Soundwalls Phase I, Priority I, Packages 1 to 3) will be executed to reflect the addition of soundwall project Package 4.



James L. de la Loza
Chief Planning Officer
Countywide Planning & Development



Roger Snoble
Chief Executive Officer

ATTACHMENT A

**Post 1989, Phase I, Priority 1 Soundwalls
Design and Construction Cost - Package 4
Projects are not prioritized within design package**

				Consultant Est. Construction Cost*	Est. Design Cost	Total Cost	Average PIN
City	RTE	Dist.	Project Location	\$1000's			
Cities of Arcadia	210	1	Huntington Dr/Santa Anita Ave: WB				
& Monrovia	210	0.3	Santa Anita Ave/2nd Ave: EB				
	210	0.5	E Huntington Dr/E Mayflower Ave: EB				
	210	0.2	W Magnolia Ave/W Myrtle Ave: EB				
	210	0.3	E Myrtle Ave/E California Ave: EB				
			Total Cost Design Package 4	\$ 17,187	\$ 2,242	\$19,429	20.832

* Includes 15% cost increase contingency over preliminary Engineering estimates to account for recent construction inflation costs.

ATTACHMENT B

**Post 1989, Phase I, Priority 1 Soundwalls
Design and Construction Cost - Packages 1 to 3
Projects are not prioritized within design packages**

				Design Package Number	Consultant Est. Construction Cost	Est. Design Cost	Average PIN
City	RTE	Dist.	Project Location		\$1000's		
City of Los Angeles	170	0.5	So Saticoy St/So Strathern St: SB	1			
	170	0.5	So Strathern St/No Roscoe Blvd: SB				
			Total Cost Design Package 1		\$ 7,380	\$ 1,107	30.243
Cities of Azusa & Glendora	210	0.5	E Citrus Ave/W Barranca Ave: EB	2			
	210	1.3	W Citrus Ave/E Big Dalton Wash: WB				
			Total Cost Design Package 2		\$ 9,212	\$ 1,382	24.771
City of Arcadia	210	0.4	W Michillinda Ave/E Rosemead Blvd: WB	3			
	210	0.3	Rosemead Blvd/Michillinda Ave: EB				
	210	1.1	N Baldwin Ave/E Michillinda Ave: WB				
	210	0.1	E Baldwin Ave/Mile E Baldwin Ave: WB				
			Total Cost Design Package 3		\$ 12,345	\$ 1,852	21.601
Total Construction Cost & Mgmt Design Packages 1 to 3					\$ 28,937		
Total Design Cost Design Packages 1 to 3						\$ 4,341	

NOTE:

The remaining of Phase I, Priority 1, Design Packages 5, 6, and 7 will be updated and presented to the Board for approval whenever additional funding becomes available.