

State of California
Business, Transportation and Housing Agency
Department of Transportation

HIGHWAY FINANCIAL MATTERS
Seismic G-11 Allocations
Resolution: Information Item

Prepared By:
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CTC Meeting: February 28, 2002

Reference No.: 2.5f.(2)

Original Signed By
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Chief Financial Officer
February 1, 2002

ALLOCATIONS FOR SEISMIC RETROFIT PHASE I PROJECTS

INFORMATION

BACKGROUND

On March 30, 1994, the California Transportation Commission delegated to the Department authority to allocate funds by Resolution G-11, as revised by Resolution G-94, for seismic retrofit project. This authority allows the Department to begin work without waiting for the next CTC meeting to receive an allocation.

This project is part of the legislatively mandated Bridge Seismic Retrofit Program (SB131), approved by the Governors Office on March 15, 1994.

SUMMARY AND CONCLUSIONS

Pursuant to the authority granted by Resolution G-11, State and Federal Funds of \$667,953 was allocated for one (1) Seismic Retrofit Phase I project:

Project #1, In Montrose, Glendale, and In La Canada Flintridge. - Supplemental G-11 Allocation was required to compensate the contractor for time delays associated with the quality assurance requirements.

HISTORY

This project seismically retrofitted seven structures in Los Angeles County. At the time the original retrofit strategy was developed, cable restraints for bridge hinges and supports were considered to be sufficient to prevent the bridges from becoming unseated as a result of large displacements during a seismic event. Later, after additional research studies on the seismic response of bridge structures, it was determined that the bridge support widths and hinge lengths needed to be increased to reduce the risk of

the bridges from becoming unseated in a seismic event. A supplemental G-11 for \$400,000 was approved in September 1995 to fund the change.

Due to the quality control problems on a few other seismic retrofit projects, all seismic retrofit projects with welded reinforcement steel under construction at that time were delayed to double check completed welds and to implement enhanced quality assurance efforts. This contract was completed in August of 1997, but the contractor claimed the state did not adequately compensate for delay impacts. In December 2001, an arbitration settlement was reached and the contractor was awarded damages. This supplemental G-11 for \$667,953 was required to satisfy the terms of the arbitration settlement.

2.5 Highway Financial Matters

Project # Amount County Dist-Co-Rte Postmile	Location Project Description Allocation History	EA Program	Budget Year Item # Program Codes	State Federal Total Amount
2.5f(2) Informational Report - Seismic Retrofit G-11 Allocations (Phase 1)				
1 \$667,953	In Montrose, Glendale and In La Canada Flintridge. Seismic Retrofit of seven bridges.	129201	1999-00 301-0042	\$133,500
Los Angeles 07-LA-2 R23.0	During construction rebar welding quality assurance procedures caused time delays. This Supplemental G-11 funds request was required to compensate the contractor for time delays associated with the quality assurance requirements. This compensation was awarded as a result of an arbitration settlement.	Seismic Phase 1	301-0890 20.20.201.140 201/140	\$534,363
	Initial G-11 Allocation: 04/11/94: \$2,550,000 Award Allocation (G-11): 07/07/94 -\$44,000 Supplemental Allocation (G-11): 09/25/95 \$400,000 Supplemental Allocation (G-11): 12/28/01 \$667,953 Revised Allocation (G-11): 12/28/01 \$3,573,953			\$667,953