

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

HIGHWAY FINANCIAL MATTERS
Allocations for Supplemental Funds
Resolution: FP-01-57

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CTC Meeting: February 28, 2002

Reference No.: 2.5d

Original Signed by _____
ROBERT L. GARCIA
Chief Financial Officer
February 13, 2002

**ALLOCATION FOR PROJECTS WITH VALUE GREATER THAN 120 PERCENT OF
PROGRAMMED AMOUNT**

RESOLUTION FP-01-57

RECOMMENDATION

The Department recommends that the California Transportation Commission (Commission) approve the following Resolution.

FINANCIAL RESOLUTION

Resolved that \$2,700,000 from Items 2660-301-0042 and 2660-301-0890 of the Budget Act of 2000 for the project on the attached sheet.

The Department has complied with the National Environmental Policy Act and the California Environmental Quality Act requirements in preparation of this project.

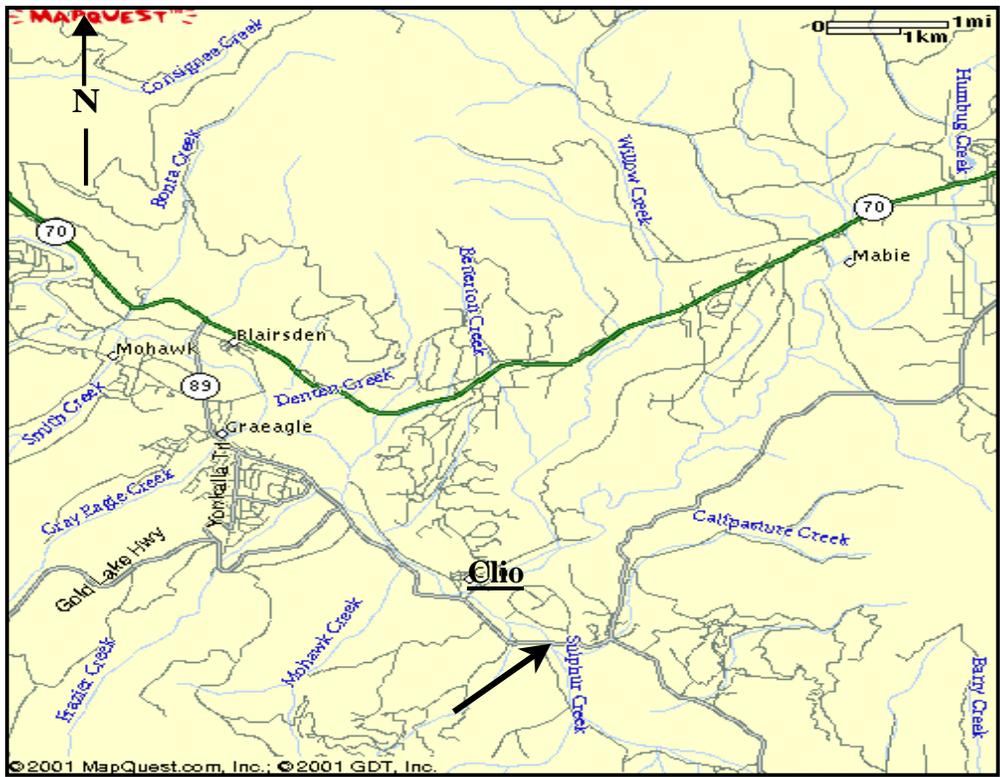
This major construction project proposed for funding is included in the State Highway Operations Protection Program.

SUMMARY AND CONCLUSIONS

This resolution allocates State and Federal funds of \$2,700,000 for one (1) new major construction project. This project has a total cost greater than 120 percent of the programmed amount.

The additional funds of \$1,151,000 requested for this SHOPP project will come from savings on other SHOPP projects.

Project # Allocation Amount Recipient RTPA/CTC County Dist-Co-Rte Postmile (Kilopost)	Location Project Description Project Support Expenditures	EA PPNO Program (Prog Year) Prog Amount	Budget Year Item # Program Code	State Federal Total Amount
2.5d(1) Allocations for Projects with Cost Increases Greater than 120 Percent			Resolution: FP-01-57	
1 \$2,700,000 Department of Transportation <u>PLUMAS LTC</u> Plumas 02N-Plu-89 3.2/3.6	In Plumas County, near Clio, from 0.3 kilometer south to 0.3 kilometer north of Sulphur Creek Bridge. Replace bridge (scour). Support Expenditures to Date: \$572,000	344201 02-5810 SHOPP / 01-02 \$0 \$0 \$0 \$1,549,000	2000-01 301-0042 301-0890 20.20.201.111	\$540,000 \$2,160,000 \$2,700,000



PROJECT DESCRIPTION

This project is in Plumas County, Near Clio, on State Route 89. This project will replace the Sulphur Creek Bridge.

FUNDING STATUS

The project is programmed in the 2000 SHOPP for \$1,549,000 in the 2001/02 fiscal year. This request of \$2,700,000 is an increase of 74% over the programmed amount for this project.

BACKGROUND

The project proposes to replace the existing Sulphur Creek Bridge with a new structure for scour mitigation purposes. The work involves replacing the existing multi-span Sulphur Creek Bridge with a single span structure and reconstructing the bridge approaches to match the new bridge width.

The original four span concrete slab structure was built in 1948. The structure was damaged by flooding in December of 1955, and repaired in 1956 by constructing pile extensions. In 1963 the structure was again damaged by flood flows resulting in 0.3-meter of settlement at the south abutment. In 1964, the bridge was lengthened by 45 feet to mitigate the scour issue at the abutment. There is a history of a chronic debris problem and significant scour concerns with the existing bridge.

The new Sulphur Creek Bridge will consist of a single span bridge with two (2) 3.66-meter lanes with 2.44-meter shoulders. The total width of the bridge will be 12.2 meters.

REASON FOR INCREASE

When the bridge Advanced Planning Study (APS) was prepared, the strategy called for replacement of the existing Sulphur Creek Bridge with a new 52.2-meter long multi-span bridge. This strategy was based on the estimated scour conditions as identified in the Preliminary Hydraulic Report.

After drilling the bridge site and reviewing foundation information, it was discovered that the potential scour depth significantly exceeds the amount estimated in the Preliminary Hydraulic Report. The Department considered two options in revising the design to mitigate for the scour concerns at the center support, and found it is more cost-effective to construct a single span bridge with no vertical supports in the creek than to proceed with the multi-span alternative. An additional \$700,000 is needed to construct a single span bridge so the foundation will be protected from future scour damage. The Engineer's Estimate also increased by \$451,000 to build a temporary detour needed for construction of the single span bridge and associated revisions to the traffic handling and erosion control plans.

FUNDING OPTIONS

OPTION A: Approve this request as presented above for \$2,700,000 to allow this project to be advertised.

OPTION B: Deny this request and reprogram this project in a future funding cycle of the SHOPP.

The Department considered these options, and determined that the project as submitted provides the best solution for addressing the scour issues at the Sulphur Creek Bridge.

RECOMMENDED OPTION

The Department recommends that this request for \$2,700,000, as presented in Option A above, be approved to allow this project to be advertised.