

Memorandum

To: CHAIR AND COMMISSIONERS

CTC Meeting: October 29-30, 2003

Reference No.: 2.5f.(1)
Information Item

From: ROBERT L. GARCIA
Chief Financial Officer

Prepared by: Robert Sertich
Chief
Division of Budgets

Ref: **INFORMATIONAL REPORT - EMERGENCY G-11 ALLOCATIONS**

SUMMARY:

Pursuant to the authority granted by Resolution G-11, State Highway Account and Federal Trust funds totaling \$8,946,000 have been allocated for ten (10) emergency construction projects described below and on the attached list.

Project #1. Near Weitchpec at 0.7 mile east of Rube Ranch Creek Bridge. During the heavy storms of December 2002, a slip out occurred at this location causing the pavement to crack. Initial project placed a rock buttress to support the roadway. The first supplemental was needed following the discovery of additional unsuitable soil on the slopes and the need to extend the buttress wall. This supplemental is needed to close out the contract.

Project #2. Approximately 4.3 miles south of Hopland. Following the heavy rainstorms of December 2002, increasing vertical movement (uplift) was detected across the highway pavement. The vertical movement increased with every passing storm. The initial project was for removing embankment from the top of the failing slope and constructing a soldier pile retaining wall. Following record rainfall in April/May 2003, the slide expanded with new cracks developing. A ground anchor system is now recommended as the only feasible solution. This supplemental is needed to construct three ground anchor walls to stabilize the expanding slide.

Project #3. Approximately 6.2 miles east of Douglas City from 0.7 to 1.2 miles west of Grass Valley Creek Bridge. During the heavy rains of December 2002 and January 2003, significant deformation and bulging at the cut slope face occurred at this location indicating movement of a soil mass. The slide is estimated to have a 10-acre surface area on very steep slope. This project will install 3900 feet of horizontal drains and drain collectors to stabilize the slope.

Project #4. Approximately 3.6 miles west of Placerville between Greenstone Road and Missouri Flat Road. A 96-inch diameter steel pipe is corroding with water washing out the soil below the invert creating voids that extend under the travel way. This project will repair the pipe, inject concrete slurry in the voids and provide erosion control.

Project #5. Near the Gleason Beach Area, 0.1 mile north of Scotty Creek Bridge. As a result of the 2003 winter storms, a slide occurred on the coastal west slope of the highway damaging several homes. The slide is within 13 feet of the highway and wave action continues to undermine and threaten highway stability. This project will build Cast-In-Drill-Hole (CIDH) piles to ensure the protection of the roadway against sudden loss of land during heavy rainstorms.

Project #6. On various highways, at various locations. Dead and dying trees due to the Bark Beetle parasite infestation is causing a fire danger to exist. On March 7, 2003, the Governor declared a state of emergency in three counties. On July 31, 2003, the Office of Emergency Services issued two mission orders directing the Department of Transportation to assist in clearing dead trees and vegetation along state highways. This contract removes dead or dying trees that are a falling hazard to passing motorists and that can pose a fire danger.

Project #7. Approximately 5 miles south of Baker at Oat Ditch Bridge. During a series of storms between August 20-22, 2003, a flash flood washed out the bridge spread footing under two columns and cracked two other columns on bent #5. This project involves the emergency opening of the freeway, the replacement of the damaged columns and making similar corrections at undamaged bents.

Project #8. In Yucca Valley near Yucca Valley Airport at Aviation Drive. During a series of storms between August 20-22, 2003, heavy rains silted up the pipes and upstream channel and caused scour damage. This project will uncover pipe inlets, remove sediments from inside culverts, re-grade channel, provide rock slope protection and reconstruct a retaining wall.

Project #9. Near San Bernardino at 2.9 miles north of the junction of Routes 330/30. On September 5, 2003 the "Bridge Fire" severely damaged highway guardrail, roadside warning signs and guide markers. This project will replace the damaged items.

Project #10. In San Diego from south of Adams Avenue to south of the junction at Interstate 8. Winter rains of 2002 caused median shoulder failures at two locations. Inspection of the drainage culverts revealed major invert corrosion. This project grouts voids in the invert, paves the inverts of a 54 and a 36-inch culvert, provides inlet protection and repairs highway shoulders.

BACKGROUND:

The California Transportation Commission (Commission) by Resolution G-11, as revised by Resolution G-94, delegated to the Department authority to allocate funds to correct certain situations caused by floods, slides, earthquakes, material failures, slip outs, unusual accidents or other similar events. This allows the Department to immediately begin corrective action in an emergency condition without waiting for the next Commission meeting to receive an allocation.

This authority is operative whenever such an event:

1. Places people or property in jeopardy.
2. Causes or threatens to cause closure of transportation access necessary for:
 - a. Emergency assistance efforts.
 - b. The effective functioning of an area's services, commerce, manufacture or agriculture.
 - c. Persons in the area to reach their homes or employment.
3. Causes either an excessive increase in transportation congestion or delay, or an excessive increase in the necessary distances traveled.

The G-11 Resolution also requires the Department notify the California Transportation Commission at their next meeting, whenever such an emergency allocation is made.

Attachment

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(1) Informational Report – Emergency G-11 Allocations				
1 \$50,000 Humboldt 01U-Hum-169 29.18	Near Weitchpec at 0.7 mile east of Rube Ranch Creek Bridge. During the heavy storms of December 2002, a slipout occurred at this location causing the pavement to crack. Initial project placed a rock buttress to support the roadway. The first supplemental was needed following the discovery of additional unsuitable soil on the slopes and the need to extend the buttress wall. This supplemental is needed to close out the contract. Initial G-11 Allocation: 02/05/03 \$260,000 Supplemental Allocation: 05/12/03 \$990,000 Supplemental Allocation: 09/16/03 \$50,000 Revised Allocation (G-11): \$1,300,000	444501 SHOPP Emergency	2003-04 302-0042 302-0890 20.20.201.130 201/130	\$50,000 - \$50,000
2 \$2,930,000 Mendocino 01U-Men-101 5.7	Approximately 4.3 miles south of Hopland. Following the heavy rainstorms of December 2002, vertical movement (uplift) was detected across the highway pavement. The vertical movement increased with every passing storm. The initial project was for removing embankment from the top of the failing slope and constructing a soldier pile retaining wall. Following record rainfall in April/May 2003, the slide expanded with new cracks developing. A ground anchor system is now recommended as the only feasible solution. This supplemental is needed to construct three ground anchor walls to stabilize the expanding slide. Initial Allocation (G-11): 04/25/03 \$1,600,000 Supplemental Allocation 08/21/03 \$2,930,000 Revised Allocation: \$4,530,000	301701 SHOPP Emergency	2003-04 302-0042 302-0890 20.20.201.130 201/130	\$336,000 \$2,594,000 \$2,930,000
3 \$202,000 Trinity 02U-Tri-299 64.2/64.5	Approximately 6.2 miles east of Douglas City from 0.7 to 1.2 miles west of Grass Valley Creek Bridge. During the heavy rains of December 2002 and January 2003, significant deformation and bulging at the cut slope face occurred at this location indicating movement of a soil mass. The slide is estimated to have a 10-acre surface area on very steep slope. This project will install 3900 feet of horizontal drains and drain collectors to stabilize the slope. Initial G-11 Allocation: 09/05/03 \$202,000	0C8201 SHOPP Emergency	2003-04 302-0042 302-0890 20.20.201.130 201/130	\$23,200 \$178,800 \$202,000
4 \$564,000 El Dorado 03U-ED-50 14.0	Approximately 3.6 miles west of Placerville between Greenstone Road and Missouri Flat Road. A 96-inch diameter steel pipe is corroding with water washing out the soil below the invert creating voids that extend under the travel way. This project will repair the pipe, inject concrete slurry in the voids and provide erosion control. Initial G-11 Allocation: 08/22/03: \$564,000	4C9101 SHOPP Emergency	2003-04 302-0042 302-0890 20.20.201.130 201/130	\$564,000 - \$564,000

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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(1) Informational Report – Emergency G-11 Allocations (Continued)				
5 \$600,000 Sonoma 04U-Son-1 15.5	Near the Gleason Beach Area, 0.1 mile north of Scotty Creek Bridge. As a result of the 2003 winter storms, a slide occurred on the coastal west slope of the highway damaging several homes. The slide is within 13 feet of the highway and wave action continues to undermine and threaten highway stability. This project will build Cast-In-Drill-Hole (CIDH) piles to ensure the protection of the roadway against sudden loss of land during heavy rainstorms. Initial G-11 Allocation: 9/24/03	2S2001 SHOPP Emergency	2003-04 302-0042 302-0890 20.20.201.130 201/130	\$68,800 \$531,200 \$600,000
6 \$1,000,000 San Bernardino/ Riverside 08U-SBd/Riv-Var Var	On various highways, at various locations. Dead and dying trees due to the Bark Beetle parasite infestation is causing a fire danger to exist. On March 7, 2003, the Governor declared a state of emergency in three counties. On July 31, 2003, the Office of Emergency Services issued two mission orders directing the Department to assist in clearing dead trees and vegetation along state highways. This contract removes dead or dying trees that are a falling hazard to passing motorists and that can pose a fire danger. Initial G-11 Allocation: 09/22/03	0E6901 SHOPP Emergency	2003-04 302-0042 302-0890 20.20.201.130 201/130	\$1,000,000 - \$1,000,000
7 \$1,000,000 San Bernardino 08-SBd-15 130.6	Approximately 5 miles south of Baker at Oat Ditch Bridge. During a series of storms between August 20-22, 2003, a flash flood washed out the bridge spread footing under two columns and cracked two other columns on bent #5. This project involves the emergency opening of the freeway, replacing damaged columns and making similar corrections at undamaged bents. Initial G-11 Allocation: 08/26/03	0E6301 SHOPP Emergency	2003-04 302-0042 302-0890 20.20.201.130 201/130	\$1,000,000 - \$1,000,000
8 \$350,000 San Bernardino 08U-SBd-247 0.2/0.3	In Yucca Valley near Yucca Valley Airport at Aviation Drive. During a series of storms between August 20-22, 2003, heavy rains silted up the pipes and upstream channel and caused scour damage. This project will uncover pipe inlets, remove sediments from inside culverts, re-grade channel, provide rock slope protection and reconstruct a retaining wall. Initial G-11 Allocation: 09/02/03	0E6401 SHOPP Emergency	2003-04 302-0042 302-0890 20.20.201.130 201/130	\$350,000 - \$350,000
9 \$250,000 San Bernardino 08U-SBd-330 32.3/35.0	Near San Bernardino at 2.9 miles north of the junction of Routes 330/30. On September 5, 2003 the "Bridge Fire" severely damaged highway guardrail, roadside warning signs and guide markers. This project will replace the damaged items. Initial G-11 Allocation: 09/16/03	0E6601 SHOPP Emergency	2003-04 302-0042 302-0890 20.20.201.130 201/130	\$250,000 - \$250,000

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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(1) Informational Report – Emergency G-11 Allocations (Continued)				
10				
\$2,000,000	In San Diego from south of Adams Avenue to south of the junction with Interstate 8. Winter rains of 2002 caused median shoulder failures at two locations. Inspection of the drainage culverts revealed major invert corrosion. This project grouts voids in the invert and paves the inverts of a 54 and a 36-inch culvert, provides inlet protection and repairs highway shoulders.	260801	2003-04	
San Diego		SHOPP	302-0042	\$168,600
11-SD-805		Emergency	302-0890	\$1,831,400
16.9/17.6			20.20.201.130 201/130	\$2,000,000
	Initial G-11 Allocation: 09/05/03			\$2,000,000