

# Memorandum

To: CHAIR AND COMMISSIONERS

CTC Meeting: February 26-27, 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 \$6,445,000 have been allocated for fifteen (15) emergency construction projects described below and on the attached list.

Project # 1. In Del Norte County, approximately ten miles north of Gasquet. On December 15, 2002 following heavy rains, a slide occurred resulting in the closure of the highway. Approximately 1,200 cubic yards of material covered the roadway. This project will remove the slide material and reopen the roadway.

Project # 2. In Mendocino County, in the town of Piercy. On December 27, 2002 following a storm that produced five inches of rain in one day, a slide occurred closing the highway in both directions. The slide weakened the embankment supporting the shoulder of Highway 101 that runs parallel to Highway 271 and threatened the traveled lanes of Highway 101. This project will buttress Highway 101 embankment and remove the slide material to open Highway 271.

Project #3. In Humboldt County, near Carlotta from one mile east of the Van Duzen River Bridge to 0.7 mile west of Humboldt County line. On December 27, 2002 heavy rains caused the Van Duzen River to reach close to flood stage. The river meanders alongside the highway and caused significant scour in the highway embankment at two locations posing an eminent threat to highway stability. This project will place Rock Slope Protection (RSP) at the two locations to save the roadway.

Project #4. In Mendocino County, approximately 4.3 miles south of Piercy from 0.1 mile south to 0.8 mile north of Confusion Hill Viaduct # 10-288. During the weekend of December 27-29, 2002 a series of heavy rainstorms caused two major landslides and closed Route 101 to travel in both directions for nearly three days. This project is to remove slide material, to conduct traffic control, repair a damaged bin wall supporting the steep slopes, and repair guardrails and pavement.

Project #5. In Nevada County, at Castle Peak Undercrossing. The freeway pavement at this location showed signs of excessive settlement. Inspection of two 12-foot drainage culverts revealed severe corrosion and buckling of the inverts. Voids are expected to exist under the pavement due to loss of fill material with the possibility of catastrophic pavement failure. This project involves the injection of a polyurethane material to fill the voids and lift the pavement concrete slabs back to their original grade and the repair of pipe inverts with concrete slurry.

Project #6. In El Dorado County, approximately 0.8 mile west of Bridal Veil Falls Road. The December 2002 rainstorms weakened the soil on the steep cut slope at this location resulting in soil and large rock boulders rolling onto the traveled way. K-rails were placed to contain any fallen soil and rocks. This project is for traffic control, and removal of slide material.

Project #7. In Sonoma County, in the City of Sonoma from MacArthur Street to Leveroni/Napa Road. Initial emergency occurred in December 2001 when a 100-ft eucalyptus tree fell down causing property damage. An independent arborist then determined that 46 other trees adjacent to the highway pavement needed removal since their fall is imminent based on their health and age. This supplemental request is to close out this contract.

Project #8. In San Mateo County, in the City of San Mateo, north of Pescadero Road. Project was initiated late January 2002 when a portion of an existing cliff eroded as a result of ocean wave action undermining the highway shoulder. The highway was realigned inland. This supplemental request is to place Rock Slope Protection on the slopes of the newly realigned highway to protect it from the heavy tidal action and heavy rains that occurred during the December 2002 rain storms and eroded the slopes to within 15 feet off the roadway.

Project #9. In San Mateo County, at the Separation structure of Freeways 280 and 380. The season's first storm on November 7, 2002 caused a large amount of material to wash out from below the bridge slope paving (bridge abutment) and flow across live traffic lanes of eastbound Route 380. A film of moisture and sediment is left all across the pavement at a curved portion of the roadway. This project will remove the slope paving to install proper drainage facilities, backfill voids, and replace slope paving.

Project #10. In San Mateo County, approximately 1.5 miles north of Edgewood Road. During the storms of December 28-29, 2002 a sinkhole 9-foot deep by 10-foot wide developed within the median and shoulder of the freeway southbound lanes. This project will repair the drainage system, backfill the sinkhole and repair the median and shoulder

Project #11. In San Mateo County, in the City of San Mateo, approximately 1,000 feet south of Pescadero Road. A combination of ocean waves and surf, heavy rain and ground water washed out the slope to the edge of the highway creating a vertical drop of 20 feet. This project will place Rock Slope Protection (RSP) using a crane to form a wedge-like rock wall at the toe of the slope to prevent further erosion.

Project #12. In San Luis Obispo County, near San Simeon, at 1.6 miles north of Piedras Blancas Lighthouse Road. Initial emergency was caused by the erosion of ocean bluff coming within a few feet of the highway pavement. The initial project realigns the highway farther inland. This supplemental request is due to cost increases in storm water pollution prevention.

Project #13. In Santa Cruz County, near Ben Lomond. During the heavy rains of December 2002 multiple locations on Highway 9 required immediate emergency repairs to stabilize and maintain the highway. Highway side slopes eroded at various locations. This project will improve drainage diversions and prevent further surface erosion at various locations.

Project #14. In Santa Cruz County, approximately 1 mile south of the San Mateo County line at Waddell Creek. The storms of December 15-20, 2002 combined with abnormally high surf, caused the ocean bluffs at and adjacent to Waddell Creek to erode. Heavy surf and opposing creek flow caused a loss of the northerly bridge abutment fill at the downstream (ocean end). This project will place Rock Slope Protection (RSP) at and near the bridge to protect the bridge and approach roadway from further bluff erosion.

Project #15. In San Luis Obispo County, in Oceano. During the rainstorms of November and December 2002 a flooding problem recurred at this location with subsequent pavement deterioration. This project will grind out the existing pavement and place multiple paving lifts to achieve the cross slope necessary to facilitate drainage in this location.

**BACKGROUND:**

The California Transportation Commission (Commission) by Resolution G-11, as revised by Resolution G-94, Delegated to the Department of Transportation (Department) authority to allocate funds to correct certain situations caused by floods, slides, earthquakes, material failures, slipouts, unusual accidents or other similar events. This immediately allows the Department to 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 to notify the California Transportation Commission, at their next meeting, whenever such an emergency allocation has been made.

Attachment(s)

Project # Amount County Dist-Co-Rte Postmile	Location Project Description Allocation History	EA Program	Budget Year Item # Program Codes	State Federal Total Amount
<b>2.5f(1) Informational Report – Emergency G-11 Allocations</b>				
1 \$250,000 Del Norte 01U-DN-199 27.5/28.5	Approximately ten miles north of Gasquet. On December 15, 2002 following heavy rains, a slide occurred resulting in the closure of the highway. Approximately 1,200 cubic yards of material covered the roadway. This project will remove the slide material and reopen the roadway.  Initial G-11 Allocation: 01/02/03: \$250,000	435201  SHOPP Emergency	2002-03 302-0042 302-0890 20.20.201.130 201/130	\$250,000 -  \$250,000
2 \$300,000 Mendocino 01U-Men-271 20.5	In the town of Piercy. On December 27, 2002 following a storm that produced five inches of rain in one day, a slide occurred closing the highway in both directions. The slide weakened the embankment supporting the shoulder of Highway 101 that runs parallel to Highway 271 and threatened the traveled lanes of Highway 101. This project will buttress Highway 101 embankment and remove the slide material to open Highway 271.  Initial G-11 Allocation: 01/10/03: \$300,000	443801  SHOPP Emergency	2002-03 302-0042 302-0890 20.20.201.130 201/130	\$300,000 -  \$300,000
3 \$560,000 Humboldt 01U-Hum-36 14.3/45.0	Near Carlotta from one mile east of the Van Duzen River Bridge to 0.7 mile west of Humboldt County line. On December 27, 2002 heavy rains caused the Van Duzen river to reach close to flood stage. The river meanders alongside the highway and caused significant scour in the highway embankment at two locations posing an eminent threat to highway stability. This project will place Rock Slope Protection (RSP) at the two locations to save the roadway.  Initial G-11 Allocation: 01/07/03: \$560,000	443901  SHOPP Emergency	2002-03 302-0042 302-0890 20.20.201.130 201/130	\$560,000 -  \$560,000
4 \$1,900,000 Mendocino 01U-Men-101 99.5/100.5	Approximately 4.3 miles south of Piercy from 0.1 mile south to 0.8 mile north of Confusion Hill Viaduct # 10-288. During the weekend of December 27-29, 2002 a series of heavy rainstorms caused two major landslides and closed Route 101 to travel in both directions for nearly three days. This project is to remove slide material, to conduct traffic control, repair a damaged bin wall supporting the steep slopes, and repair guardrails and pavement.  Initial G-11 Allocation: 01/14/03: \$1,900,000	444001  SHOPP Emergency	2002-03 302-0042 302-0890 20.20.201.130 201/130	\$1,900,000 -  \$1,900,000
5 \$400,000 Nevada 03U-Nev-80 4.0	At Castle Peak Undercrossing. The freeway pavement at this location showed signs of excessive settlement. Inspection of two 12-foot drainage culverts revealed severe corrosion and buckling of the inverts. Voids are expected to exist under the pavement due to loss of fill material with the possibility of catastrophic pavement failure. This project involves the injection of a polyurethane material to fill the voids and lift the pavement concrete slabs back to their original grade and the repair of pipe inverts with concrete slurry.  Initial G-11 Allocation: 12/16/02: \$400,000	4C3601  SHOPP Emergency	2002-03 302-0042 302-0890 20.20.201.130 201/130	\$400,000 -  \$400,000

Project # Amount County Dist-Co-Rte Postmile	Location Project Description Allocation History	EA Program	Budget Year Item # Program Codes	State Federal Total Amount
<b>2.5f(1) Informational Report – Emergency G-11 Allocations</b>				
6 \$150,000 El Dorado 03U-ED-50 36.4	Approximately 0.8 mile west of Bridal Veil Falls Road. The December 2002 rainstorms weakened the soil on the steep cut slope at this location resulting in soil and large rock boulders rolling onto the traveled way. K-rails were placed to contain any fallen soil and rocks. This project is for traffic control, and removal of slide material.  Initial G-11 Allocation: 01/09/03: \$150,000	4C4701  SHOPP Emergency	2002-03 302-0042 302-0890 20.20.201.130 201/130	\$150,000 -  \$150,000
7 \$5,000 Sonoma 04U-Son-12 38.1/38.7	In the City of Sonoma from MacArthur Street to Leveroni/Napa Road. Initial emergency occurred in December 2001 when a 100-ft eucalyptus tree fell down causing property damage. An independent arborist then determined that 46 other trees adjacent to the highway pavement needed removal since their fall is imminent based on their health and age. This supplemental request is to close out this contract.  Initial G-11 Allocation: 03/08/02: \$350,000 Supplemental Allocation: 01/02/03 \$5,000 Revised Allocation (G-11): \$355,000	1S8801  SHOPP Emergency	2001-02 301-0042 301-0890 20.20.201.130 201/130	\$5,000 -  \$5,000
8 \$800,000 San Mateo 04U-SM-1 13.7	In the City of San Mateo, north of Pescadero Road. Project was initiated late January 2002 when a portion of an existing cliff eroded as a result of ocean wave action undermining the highway shoulder. The highway was realigned inland. This supplemental request is to place Rock Slope Protection on the slopes of the newly realigned highway to protect it from the heavy tidal action and heavy rains that occurred during the December 2002 rain storms and eroded the slopes to within 15 feet off the roadway.  Initial G-11 Allocation: 04/02/02: \$1,200,000 Supplemental Allocation: 12/27/02 \$800,000 Revised Allocation (G-11): \$2,000,000	1S8901  SHOPP Emergency	2001-02 301-0042 301-0890 20.20.201.130 201/130	\$800,000 -  \$800,000
9 \$500,000 San Mateo 04U-SM-280 21.7	At the separation structure of Freeways 280 and 380. The first storm of the season on November 7, 2002 caused a large amount of material to wash out from below the bridge slope paving (bridge abutment) and flow across live traffic lanes of eastbound Route 380. A film of moisture and sediment is left all across the pavement at a curved portion of the roadway. This project will remove the slope paving to install proper drainage facilities, backfill voids, and replace slope paving.  Initial G-11 Allocation: 12/16/02: \$500,000	2S1201  SHOPP Emergency	2002-03 302-0042 302-0890 20.20.201.130 201/130	\$500,000 -  \$500,000
10 \$250,000 San Mateo 04U-SM-280 8.7	Approximately 1.5 miles north of Edgewood Road. During the storms of December 28-29, 2002, a sinkhole 9-foot deep by 10-foot wide developed within the median and shoulder of the freeway southbound lanes. This project will repair the drainage system, backfill the sinkhole and repair the median and shoulder.  Initial G-11 Allocation: 01/03/03: \$250,000	2S1501  SHOPP Emergency	2002-03 302-0042 302-0890 20.20.201.130 201/130	\$250,000 -  \$250,000

Project # Amount County Dist-Co-Rte Postmile	Location Project Description Allocation History	EA Program	Budget Year Item # Program Codes	State Federal Total Amount
<b>2.5f(1) Informational Report – Emergency G-11 Allocations</b>				
11 \$800,000 San Mateo 04U-SM-1 13.4	In the City of San Mateo, Approximately 1,000 feet south of Pescadero Road. A combination of ocean waves and surf, heavy rain and ground water washed out the slope to the edge of the highway creating a vertical drop of 20 feet. This project will place Rock Slope Protection (RSP) using a crane to form a wedge-like rock wall at the toe of the slope to prevent further erosion.	2S1601  SHOPP Emergency	2002-03 302-0042 302-0890 20.20.201.130 201/130	\$800,000 -  \$800,000
	Initial G-11 Allocation: 01/09/03: \$800,000			
12 \$30,000 San Luis Obispo 05U-SLO-1 65.4/66.5	Near San Simeon, at 1.6 miles north of Piedras Blancas Lighthouse Road. Initial emergency was caused by the erosion of ocean bluff coming within few feet of the highway pavement. The initial project realigns the highway farther inland. This supplemental request is due to cost increases in storm water pollution prevention.	0F8101  SHOPP Emergency	2002-03 302-0042 302-0890 20.20.201.130 201/130	\$30,000 -  \$30,000
	Initial G-11 Allocation: 06/26/02: \$800,000 Supplemental Allocation: 12/27/02 \$30,000 Revised Allocation (G-11): \$830,000			
13 \$150,000 Santa Cruz 05U-SCr-9 Various	Near Ben Lomond. During the heavy rains of December 2002, multiple locations on Highway 9 required immediate emergency repairs to stabilize and maintain the highway. Highway side slopes eroded at various locations. This project will improve drainage diversions and prevent further surface erosion at various locations.	0K0101  SHOPP Emergency	2002-03 302-0042 302-0890 20.20.201.130 201/130	\$150,000 -  \$150,000
	Initial G-11 Allocation: 01/03/03: \$150,000			
14 \$200,000 Santa Cruz 05U-SCr-1 36.3/36.6	Approximately 1 mile south of the San Mateo County line at Waddell Creek. The storms of December 15-20, 2002 combined with abnormally high surf, caused the ocean bluffs at and adjacent to Waddell Creek to erode. Heavy surf and opposing creek flow caused a loss of the northerly bridge abutment fill at the downstream (ocean end). This project will place Rock Slope Protection (RSP) at and near the bridge to protect the bridge and approach roadway from further bluff erosion.	0K0301  SHOPP Emergency	2002-03 302-0042 302-0890 20.20.201.130 201/130	\$200,000 -  \$200,000
	Initial G-11 Allocation: 12/27/02: \$200,000			
15 \$150,000 San Luis Obispo 05U-SLO-1 12.4	In Oceano. During the rainstorms of November and December 2002, a flooding problem recurred at this location with subsequent pavement deterioration. This project will grind out the existing pavement and place multiple paving lifts to achieve the cross slope necessary to facilitate drainage in this location.	0J4801  SHOPP Emergency	2002-03 302-0042 302-0890 20.20.201.130 201/130	\$150,000 -  \$150,000
	Initial G-11 Allocation: 12/20/02: \$150,000			