

Memorandum

To: CHAIR AND COMMISSIONERS

CTC Meeting: July 13-14, 2005

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

From: CINDY McKIM
Chief Financial Officer

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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 \$17,551,000 have been allocated for eighteen (18) emergency construction projects described below and on the attached list.

Due to the series of severe rainstorms that swept through Southern California beginning December 28, 2004, the Governor declared a State of Emergency on January 12 and January 15, 2005, in multiple Southern California counties. Over \$14,186,000 of this month's project allocations cover damages caused by these storms. The repair costs are expected to climb over \$300 million (including pavement repair costs) as more highway damage is discovered. The majority of the storm damage projects will be reported at the April, May, and July, 2005 California Transportation Commission meetings. Approximately \$215 million have already been allocated to storm related damage projects to date.

Project #1. In Del Norte County, near Crescent City 1.7 miles to 0.7 miles south of Hamilton Road. In 2004, a 190-foot long x 30-foot high retaining wall with timber facing supporting the west side of the highway exhibited considerable movement and deformation and threatened the structural stability of the roadway. The initial project was to replace the wall with a soldier pile tieback wall and repave the highway. This supplemental is needed to complete the project and close out this contract.

Project #2. In Lake County, near Clear Lake Oaks at the Colusa County line. Due to heavy rain in early 2005, a landslide occurred within the limits of an ongoing highway construction project to realign a highway curve at this location (EA: 01-412104, PPNO: 0120E). This allocation is needed to excavate the damaged area, rebuild the slopes using geogrid reinforcing and use excess

excavated material as buttress. The slope repairs will be completed before the completion of the curve realignment contract.

Project #3. In Mendocino County, near Willits 0.4 mile east of Marina Drive. In March 2005, a combination of two rainstorms produced approximately eight inches of rain. The runoff and debris damaged the existing drainage system and redirected flows over the roadway embankment causing a washout over 11 feet deep next to the highway shoulder. This project will replace damaged drainage system and roadway structure.

Project #4. In Mendocino County, near Yorkville at 0.1 kilometer east of Maple Creek Bridge. Due to above normal precipitation in March and April 2005, high water in Maple Creek eroded the toe of slope supporting this highway and caused a 75-foot section of the highway to sink. This project will place rock slope protection at the toe of slope, replace a broken 24-inch culvert and headwall, and repair the pavement.

Project #5. In Santa Clara County, in San Jose south of Coleman Avenue. Local springs and shallow ground water are causing groundwater to seep out through the pavement in the southbound number two lane. The seepage area is enlarging and has the potential of developing into a sinkhole. This project will remove approximately 50 square feet of pavement at the seepage area and provide a drainage blanket and perforated pipe below the pavement section to drain the water away.

Project #6. In Monterey County, near Priest Valley from 2 miles east of Route 25 to 2.4 miles east of Priest Valley Road. Heavy rain in February 2005 saturated the embankment supporting the highway and caused slipouts below the roadway. The initial allocation was for reconstructing the embankment, repaving of the roadway, and providing traffic control. The supplemental allocation is needed to remove and replace unsuitable soil material discovered during construction.

Project #7. In Santa Barbara County, near Buellton from Ytias Creek Bridge (Bridge #51-92) to 0.2 mile west of Ytias Creek Bridge. On January 8, 2005, heavy rain scoured the highway embankment resulting in the loss of the roadway. An initial emergency opening contract in February 2005 established a temporary roadway at 25 MPH. This project is the permanent restoration of the roadway, consisting of a soldier pile tieback wall and full reconstruction of the highway.

Project #8. In Santa Barbara County, near Lompoc from 0.6 mile south, to 0.4 mile north of the El Jaro Creek Bridge. On January 16, 2005, heavy rain caused the northbound lane of this highway to break at the centerline and drop down 15 feet. An initial emergency opening contract was initiated to install one-way signalized traffic control system, set K-rail, stripe existing southbound lane, and stabilize roadway embankment. This project is the permanent restoration of this highway segment, consisting of a soldier pile tieback wall and full reconstruction of the highway.

Project #9. In Kern County, near Buttonwillow and Kettleman City, also between Kern postmile 82.7 and Kings Postmile 14.6. Due to above average precipitation during the 2004/2005 winter, accelerated pavement failure occurred along this segment of freeway. This project will replace 290 failed concrete pavement slabs with full depth asphalt concrete.

Project #10. In Los Angeles County, near Santa Clarita, within the Angeles National Forest and north of the Templin Highway. Heavy rain during late December 2004 and early January 2005 caused massive erosion that damaged a 13-foot arch culvert drainage system and threatened the highway and adjacent private property. The initial project was to dewater the slope, clear and repair the drainage system, and the damage caused by erosion. This supplemental is to repair additional damage caused by continuing heavy rain in February 2005.

Project #11. In Los Angeles County, near the City of Montebello, 1 mile south of Highway 60. High water in the flood channel under Rosemead Avenue recently receded uncovering major scour damage to the bridge footings. The bridge settled two to three inches and is expected to settle more. This project will place grouting and other stabilization measures to support the scoured column footings and prevent further settlement or damage.

Project #12. In Los Angeles County, at Rancho Palos Verdes Western Avenue south of Westmont Avenue. Heavy rain in early 2005 caused pronounced pavement settlement at this location causing the restriction of the highway to one lane in the southbound direction. Investigation revealed a failed 30-inch corrugated metal pipe (CMP) located 45 feet under the roadway grade. This project will tunnel a new 36-inch reinforced concrete pipe (RCP), fill voids under roadway, repair the damaged pavement, and fill and abandon old CMP.

Project #13. In San Bernardino County, in Crestline between Junction Route 18/138 and Crest Forest Drive. On December 31, 2004, several inches of rain fell on this area followed by mud/rock slides. Deposited material clogged drainage facilities and damaged the pavement and metal mesh curtain. The initial and first supplemental allocations were to remove debris and sediment from drainage facilities and mesh curtains, and repair pavement. The second supplemental was needed due to additional damage following the heavy rain in mid February 2005. This supplemental is to continue and complete removal of debris, and repair slope, curtain and pavement.

Project #14. In San Diego County, in National City at 0.3 mile west of Reo Drive. On February 22, 2005, a portion of the slope on this route was eroded by heavy rain. The slope failure threatens damage to an adjacent private property. This project will repair the slope, including the ice plant ground cover.

Project #15. In San Diego County, near Vista at 0.1 mile east of Sycamore Avenue. On January 1, 2005, heavy rain washed away a portion of the slope on the westbound direction of the off-ramp to Sycamore Avenue. The slope damage had the potential of a larger slipout that would close the off-ramp. This project will repair the slope and drainage system.

Project #16. In San Diego County, in San Diego at the 15/78 Separation. On January 1, 2005, a storm washed away a portion of the abutment slope. This project will replace a damaged 18" corrugated metal pipe (CMP), repair the abutment, and replace a damaged asphalt concrete ditch with Portland cement concrete ditch.

Project #17. In Orange County, in Garden Grove between Garden Grove Boulevard and the eastbound off-ramp. Due to heavy rain in January and February 2005, part of the roadway embankment at this location slipped out. The failure threatened the structural integrity of the roadway and shoulder. This project will extend an existing culvert and rebuild the slope.

Project #18. In Orange County, in the City of Orange north of Lincoln Avenue. Heavy rain in January and February 2005 caused the slope embankment on the southbound off-ramp to Lincoln Avenue to fail and threaten the collapse of Tustin Avenue. The slope provides structural support to Tustin Avenue and various public utilities. This project will remove and reconstruct the failed section of embankment with geosynthetic reinforcement as needed to stabilize the slope.

BACKGROUND:

The California Transportation Commission (Commission) by Resolution G-11, as amended by Resolution G-00-11, delegated to the Department of Transportation (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 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 Commission, at their next meeting, whenever such an emergency allocation has been 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 \$800,000 Del Norte 01U-DN-101 21.0/22.0	Near Crescent City 1.7 miles to 0.7 miles south of Hamilton Road. In 2004, a 190-foot long x 30-foot high retaining wall with timber facing supporting the west side of the highway exhibited considerable movement and deformation and threatened the structural stability of the roadway. The initial project was to replace the wall with a soldier pile tieback wall and repave the highway. This supplemental is needed to complete the project and close out this contract. Initial G-11 Allocation 8/11/04: \$3,030,000 Supplemental G-11 Allocation 5/19/05: \$800,000 Revised Allocation: \$3,830,000	457001 SHOPP Emergency	2004-05 302-0042 302-0890 20.20.201.130	\$92,000 \$708,000 \$800,000
2 \$600,000 Lake 01N-Lak-20 45.8/46.5	Near Clear Lake Oaks at the Colusa County line. Due to heavy rain in early 2005, a landslide occurred within the limits of an ongoing highway construction project to realign a highway curve at this location (EA: 01-412104, PPNO: 0120E). This allocation is needed to excavate the damaged area, rebuild the slopes using geogrid reinforcing and use excess excavated material as buttress. The slope repairs will be completed before the completion of the curve realignment contract. Initial G-10 Allocation 5/10/04: \$2,590,000 Award 7/09/04: \$2,072,000 Initial G-11 Allocation 6/01/05: \$600,000 Revised Allocation: \$2,672,000	412101 SHOPP Emergency	2003-04 302-0042 302-0890 20.20.201.010	\$60,000 \$540,000 \$600,000
3 \$215,000 Mendocino 01U-Men-020 35.93	Near Willits 0.4 mile east of Marina Drive. In March 2005, a combination of two rainstorms produced approximately eight inches of rain. The runoff and debris damaged the existing drainage system and redirected flows over the roadway embankment causing a washout over 11 feet deep next to the highway shoulder. This project will replace damaged drainage system and roadway structure. Initial G-11 Allocation 4/21/05: \$215,000	462401 SHOPP Emergency	2004-05 302-0042 302-0890 20.20.201.130	\$215,000 - \$215,000
4 \$350,000 Mendocino 01U-Men-128 36.2	Near Yorkville at 0.1 kilometer east of Maple Creek Bridge. Due to above normal precipitation in March and April 2005, high water in Maple Creek eroded the toe of slope supporting this highway and caused a 75-foot section of the highway to sink. This project will place rock slope protection at the toe of slope, replace a broken 24-inch culvert and headwall, and repair the pavement. Initial G-11 Allocation 5/03/05: \$350,000	462501 SHOPP Emergency	2004-05 302-0042 302-0890 20.20.201.130	\$350,000 - \$350,000
5 \$200,000 Santa Clara 04U-SCI-880 2.25	In San Jose south of Coleman Avenue. Local springs and shallow ground water are causing groundwater to seep out through the pavement in the southbound Number 2 lane. The seepage area is enlarging and has the potential of developing into a sinkhole. This project will remove approximately 50 square feet of pavement at the seepage area and provide a drainage blanket and perforated pipe below the pavement section to drain the water away. Initial G-11 Allocation 5/04/05: \$200,000	2S6601 SHOPP Emergency	2004-05 302-0042 302-0890 20.20.201.130	\$200,000 - \$200,000

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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				
6 \$400,000 Monterey 05U-Mon-198 16.4/21.3	Near Priest Valley from 2 miles east of Route 25 to 2.4 miles east of Priest Valley Road. Heavy rain in February 2005 saturated the embankment supporting the highway and caused slipouts below the roadway. The initial allocation was for reconstructing the embankment, repaving of the roadway, and providing traffic control. The supplemental allocation is needed to remove and replace unsuitable soil material discovered during construction. Initial G-11 Allocation 4/15/05: \$250,000 Supplemental G-11 Allocation 5/03/05: \$150,000 Revised Allocation: \$400,000	0M8501 SHOPP Emergency	2004-05 302-0042 302-0890 20.20.201.130	\$400,000 - \$400,000
7 \$3,831,000 Santa Barbara 05U-SB-1 10.1/10.3	Near Buellton from Ytias Creek Bridge (Bridge #51-92) to 0.2 mile west of Ytias Creek Bridge. On January 8, 2005, heavy rain scoured the highway embankment resulting in the loss of the roadway. An initial emergency opening contract in February 2005 established a temporary roadway at 25 MPH. This project is the permanent restoration of the roadway, consisting of a soldier pile tieback wall and full reconstruction of the highway. Initial G-11 Allocation 5/20/05: \$3,831,000	0M7301 SHOPP Emergency	2004-05 302-0042 302-0890 20.20.201.130	\$439,000 \$3,392,000 \$3,831,000
8 \$3,117,000 Santa Barbara 05U-SB-1 11.6/11.8	Near Lompoc from 0.6 mile south, to 0.4 mile north of the El Jaro Creek Bridge. On January 16, 2005, heavy rain caused the northbound lane of this highway to break at the centerline and drop down 15 feet. An initial emergency opening contract was initiated to install one-way signalized traffic control system, set K-rail, stripe existing southbound lane, and stabilize roadway embankment. This project is the permanent restoration of this highway segment, consisting of a soldier pile tieback wall and full reconstruction of the highway. Initial G-11 Allocation 5/20/05: \$3,117,000	0M7401 SHOPP Emergency	2004-05 302-0042 302-0890 20.20.201.130	\$358,000 \$2,759,000 \$3,117,000
9 \$1,200,000 Kern 06S-Ker-5 39.0/53.0	Near Buttonwillow and Kettleman City, also between Kern postmile 82.7 and Kings Postmile 14.6. Due to above average precipitation during the 2004/2005 winter, accelerated pavement failure occurred along this segment of freeway. This project will replace 290 failed concrete pavement slabs with full depth asphalt concrete. Initial G-11 Allocation 5/18/05: \$1,200,000	0E2901 SHOPP Emergency	2004-05 302-0042 302-0890 20.20.201.120	\$101,000 \$1,099,000 \$1,200,000
10 \$1,000,000 Los Angeles 07U-LA-005 66.2	Near Santa Clarita, within the Angeles National Forest and north of the Templin Highway. Heavy rain during late December 2004 and early January 2005 caused massive erosion that damaged a 13-foot arch culvert drainage system and threatened the highway and adjacent private property. The initial project was to dewater the slope, clear and repair the drainage system and the damage caused by erosion. This supplemental is to repair additional damage caused by continuing heavy rain in February 2005. Initial G-11 Allocation 2/16/05: \$1,200,000 Supplemental G-11 Allocation 5/03/05: \$1,000,000 Revised Allocation: \$2,200,000	4K9201 SHOPP Emergency	2004-05 302-0042 302-0890 20.20.201.130	- \$1,000,000 \$1,000,000

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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				
11 \$900,000 Los Angeles 07U-LA-164 2.06	Near the City of Montebello, 1 mile south of Highway 60. High water in the flood channel under Rosemead Avenue recently receded uncovering major scour damage to the bridge footings. The bridge settled two to three inches and is expected to settle more. This project will place grouting and other stabilization measures to support the scoured column footings and prevent further settlement or damage.	4L2101 SHOPP Emergency	2004-05 302-0042 302-0890 20.20.201.130	\$900,000 - \$900,000
	Initial G-11 Allocation 5/25/05:			\$900,000
12 \$2,000,000 Los Angeles 07U-LA-213 3.0	At Rancho Palos Verdes Western Avenue south of Westmont Avenue. Heavy rain in early 2005 caused pronounced pavement settlement at this location causing the restriction of the highway to one lane in the southbound direction. Investigation revealed a failed 30-inch corrugated metal pipe (CMP) located 45 feet under the roadway grade. This project will tunnel a new 36-inch reinforced concrete pipe (RCP), fill voids under roadway, repair the damaged pavement, and fill and abandon old CMP.	4L1201 SHOPP Emergency	2004-05 302-0042 302-0890 20.20.201.130	\$2,000,000 - \$2,000,000
	Initial G-11 Allocation 5/20/05:			\$2,000,000
13 \$500,000 San Bernardino 08U-SBd-138 36.5/37.5	In Crestline between Junction Route 18/138 and Crest Forest Drive. On December 31, 2004, several inches of rain fell on this area followed by mud/rock slides. Deposited material clogged drainage facilities and damaged the pavement and metal mesh curtain. The initial and first supplemental allocations were to remove debris and sediment from drainage facilities and mesh curtains, and repair pavement. The second supplemental was needed due to additional damage following the heavy rain in mid February 2005. This supplemental is to continue and complete removal of debris, and repair slope, curtain and pavement.	0F9901 SHOPP Emergency	2004-05 302-0042 302-0890 20.20.201.130	- \$500,000 \$500,000
	Initial G-11 Allocation 1/7/05:			\$200,000
	Supplemental G-11 Allocation 2/2/05:			\$300,000
	Supplemental G-11 Allocation 3/1/05:			\$400,000
	Supplemental G-11 Allocation 4/29/05:			\$500,000
	Revised Allocation:			\$1,400,000
14 \$155,000 San Diego 11U-SD-054 2.6	In National City at 0.3 mile west of Reo Drive. On February 22, 2005, a portion of the slope on this route was eroded by heavy rain. The slope failure threatens damage to an adjacent private property. This project will repair the slope, including the ice plant ground cover.	273301 SHOPP Emergency	2004-05 302-0042 302-0890 20.20.201.130	\$17,778 \$137,222 \$155,000
	Initial G-11 Allocation 5/04/05:			\$155,000
15 \$318,000 San Diego 11U-SD-078 9.2	Near Vista at 0.1 mile east of Sycamore Avenue. On January 1, 2005, heavy rain washed away a portion of the slope on the westbound direction of the off-ramp to Sycamore Avenue. The slope damage had the potential of a larger slipout that would close the off-ramp. This project will repair the slope and drainage system.	272401 SHOPP Emergency	2004-05 302-0042 302-0890 20.20.201.130	\$36,475 \$281,525 \$318,000
	Initial G-11 Allocation 5/04/05:			\$318,000
16 \$165,000 San Diego 11U-SD-078 16.5	In San Diego at the 15/78 Separation. On January 1, 2005, a storm washed away a portion of the abutment slope. This project will replace a damaged 18" corrugated metal pipe (CMP), repair the abutment, and replace a damaged asphalt concrete ditch with Portland cement concrete ditch.	271901 SHOPP Emergency	2004-05 302-0042 302-0890 20.20.201.130	\$18,926 \$146,074 \$165,000
	Initial G-11 Allocation 5/07/05:			\$165,000

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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				
17 \$300,000 Orange 12U-Ora-022 1.2	In Garden Grove between Garden Grove Boulevard and the eastbound off-ramp. Due to heavy rain in January and February 2005, part of the roadway embankment at this location slipped out. The failure threatened the structural integrity of the roadway and shoulder. This project will extend an existing culvert and rebuild the slope.	0H1201 SHOPP Emergency	2004-05 302-0042 302-0890 20.20.201.130	- \$300,000 \$300,000
	Initial G-11 Allocation 5/07/05:			\$300,000
18 \$1,500,000 Orange 12U-Ora-55 16.7	In the City of Orange north of Lincoln Avenue. Heavy rain in January and February 2005 caused the slope embankment on the southbound off-ramp to Lincoln Avenue to fail and threaten the collapse of Tustin Avenue. The slope provides structural support to Tustin Avenue and various public utilities. This project will remove and reconstruct the failed section of embankment with geosynthetic reinforcement as needed to stabilize the slope.	0H0491 SHOPP Emergency	2004-05 302-0042 302-0890 20.20.201.130	- \$1,500,000 \$1,500,000
	Initial G-11 Allocation 5/13/05:			\$1,200,000