

Memorandum

To: CHAIR AND COMMISSIONERS

CTC Meeting: December 12-13, 2007

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

From: CINDY McKIM
Chief Financial Officer

Prepared by: Norma Ortega
Division Chief
Budgets

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

SUMMARY:

Since the period reported at the last California Transportation Commission (Commission) meeting, the Department of Transportation (Department) allocated \$36,080,000 for 15 emergency construction projects described on the attached list, pursuant to the authority granted by Resolution G-11.

As of November 1, 2007, a total of \$52,705,000 for 26 emergency construction projects has been allocated in FY 2007-08.

Projects listed below are ineligible for federal Emergency Relief (ER) funding, unless otherwise stated.

Project #1. In Nevada County, on Route 80 near Truckee at the Donner Lake interchange. On October 2, 2007, an eight-foot deep sinkhole was discovered at the eastbound on-ramp to Interstate 80. A deteriorated culvert under the ramp and freeway is allowing fill material from the highway embankment to migrate into the pipes and get washed away by water passing through the drain system. Repairs require lining the culvert under the eastbound direction of Interstate 80 and replacing the culvert under the eastbound on-ramp.

Project #2. In Sacramento County, on Route 51 (Capitol City Freeway) in Sacramento at the Route 244/80 Separation (Bridge # 24-0291L). On September 19, 2007, chunks of concrete were reported falling from the structure. Investigations determined that the long suspended side of Hinge 2L had failed and settled 1-2 inches. The hinge seat has been significantly reduced in size due to damage. Two of the four bearing locations are functioning at less than half their capacities. This project installed a temporary shoring system to support the suspended side of the hinge as an interim measure.

Project #3. In Contra Costa County, on Route 24 near Orinda at the Caldecott Tunnel. On August 24, 2007, an electrical fire at the Caldecott Tunnel (Bore # 3) damaged the lighting conductors. In a separate concurrent incident, the gap width for the gallery housing the lane control mechanism has decreased due to settlement. The lane control barrier catches on the edge of the gap as it is raised and lowered, thus affects operation of the safety barrier that separates opposing traffic when traffic direction is switched at the center bore. This project is to remove and replace damaged

electrical wires in the existing conduit, and install new 2.5 inch conduits and necessary wiring to bring lighting system up to code. The project will also remove the cable slot armor and concrete along the edge of each side of the joint through the gallery ceiling, reconstruct the joint to provide adequate gap width, and install new, larger diameter struts.

Project #4. In Sonoma County, on Route 1 near Timber Cove approximately 9.7 miles north of Route 116. As a result of heavy winter rain in March 2006, the fill slope under the shoulder of the southbound lane slipped out. The highway was restricted to one-way traffic control with concrete median barriers blocking the southbound lane. Initial allocation was for the construction of two soil nail walls to retain the fill slope at the southbound lane and cut slope at the northbound lane. This supplemental is due to underestimating the walls' dimensions. The supplemental is needed to complete the construction of the wall on the northbound lane and start construction on the wall at the southbound lane.

Project #5. In Sonoma County, on Route 1 near Stewarts Point approximately 7.4 miles south of the Mendocino County line. On September 5, 2007, a failed culvert at this location was discovered. The failed culvert allowed water to wash away the surrounding material and create a large sinkhole on the roadway. This project is to replace the failed culvert with a 90 linear-foot, 36-inch plastic pipe culvert and backfill the sinkhole.

Project #6. In Alameda, San Mateo, Santa Clara, and Solano Counties, at various locations on Routes 80, 37, 680, 13, 101, 280 and 87. Due to record high market prices of copper, there has been a rash of thefts of installed electrical copper wiring from the highway system in August and September 2007. On Route 80, at Red Top Road, the stolen wiring disabled groundwater pumps that keep the Red Top slide movement manageable. At numerous other locations, lighting, traffic signals and ramp metering were affected. This project is to replace damaged pull boxes, conduits and stolen electrical wiring in order to restore traffic safety and efficiency on the affected highways.

Project #7. In Los Angeles County, on Route 5 near Santa Clarita within the I-5/Route 14 truck Bypass tunnel. On October 12, 2007, two big-rig trucks collided on the truck bypass lanes at this location. Additional trucks and at least one passenger vehicle collided as a result in a chain reaction that ultimately involved more than 31 vehicles. Fire spread within the 550-foot long tunnel and burned into the following day. This project is to clear and remove all fire debris, inspect and determine the extent of structural and pavement damage caused by the fire, place shoring within the tunnel as needed in order to allow traffic back on LA-5 (over the tunnel), and hydro/abrasive blast fire-weakened concrete off walls, soffit and pavement to prepare structure for final repair. This emergency work is pursuant to the Governor's disaster proclamation dated October 14, 2007, and is eligible for federal ER funding.

Project #8. In Los Angeles County, on Route 5 near Santa Clarita within the I-5/Route 14 truck Bypass tunnel. On October 12, 2007, two big-rig trucks collided on the truck bypass lanes at this location. Additional trucks and at least one passenger vehicle collided as a result in a chain reaction that ultimately involved more than 31 vehicles. This project is to replace all the tunnel structural concrete and steel damaged by the fire. The most damaged segment of the structure roof (soffit) will be removed and replaced with a new pre-cast segment. The project will also, replace fire-weakened concrete in walls and parts of the soffit, replace wiring and lighting, repair drainage, remove and

replace the entire pavement throughout the tunnel, and replace traffic signing and striping and re-open. This emergency work is pursuant to the Governor's disaster proclamation dated October 14, 2007, and is eligible for federal ER funding.

Project #9. In Merced County, on Route 152 near Santa Nella at 0.3 mile west of Interstate 5. On August 21, 2007, a motorist towing a trailer carrying an elevator for harvesting almonds struck an overhead sign structure (Sign # 178CS). The collision caused damage to the structural steel truss members, catwalk, sign panels and other appurtenances of the sign structure. This project is to remove and replace damaged structural steel truss members (total of 10 members), sign panel, catwalk and other appurtenances of the overhead sign structure. Repair work requires freeway lane closures.

Project #10. In San Diego County, on Route 78 near Escondido at Nordahl Road. On October 16, 2007, a truck traveling eastbound hit the Nordahl Road Overcrossing bridge. The hit damaged the outside of the girder and the prestressed tendon. The shoulder on Nordahl was closed. This project is to replace the concrete girder and bridge deck, repair pavement on Nordahl Road and conduct traffic control as needed.

Project #11. In San Diego County, near San Diego on Route 94 from Steele Canyon Road to east of Potrero Valley Road and on Route 188 from the international border to Route 94. On October 21, 2007, several fires ignited and spread throughout the region. The fire burned guardrail wooden posts and roadside signs. The guardrail is used to protect traffic from steep slopes, fixed objects and approaches to bridge rail. Many of the signs are used for traffic control or serve as warning signs. This project is to repair all damaged guardrail and signposts. This emergency work is pursuant to the Governor's disaster proclamation dated October 21, 2007, and is eligible for federal ER funding.

Project #12. In San Diego County, on Routes 78 (PM R16.5/51.1), 67 (PM 13.5/24.3), 76 (PM 12.0/52.3), and 15 (R46.0/R54.2) near San Diego, at various locations. On October 21, 2007, several fires ignited and spread throughout the region. The fire burned guardrail wooden posts and roadside signs. The guardrail is used to protect traffic from steep slopes, fixed objects and approaches to bridge rail. Many of the signs are used for traffic control or serve as warning signs. This project is to repair all damaged guardrail and signposts. This emergency work is pursuant to the Governor's disaster proclamation dated October 21, 2007, and is eligible for federal ER funding.

Project #13. In San Diego and Imperial counties, from Tavern Road in San Diego County near El Cajon to Route 98 in Imperial County near El Centro. On October 21, 2007, heavy Santa Ana winds moved through the mountain regions of San Diego County with gusts up to 70 miles per hour. These winds caused numerous sign panels to blow over or break off from their posts. This project is to replace damaged sign panels.

Project #14. In San Diego County, on Route 15 in San Diego from Carmel Mountain Road vercrossing to Clarence Lane Undercrossing. On October 21, 2007, several fires ignited and spread throughout the region. The fire burned guardrail wooden posts and roadside signs. The guardrail is used to protect traffic from steep slopes, fixed objects and approaches to bridge rail. Many of the signs are used for traffic control or serve as traffic warning signs. This project is to repair all

damaged guardrail and signposts and to place erosion control within the project limits. This emergency work is pursuant to the Governor's disaster proclamation dated October 21, 2007, and is eligible for federal ER funding.

Project #15. In Orange County, on Route 405 in the City of Costa Mesa along Red Hill Avenue. On February 17, 2007 cracking in the pavement along Red Hill Avenue was reported. The embankment slope was found to be slowly moving and causing the cracking and separation of an existing retaining wall. The original strategy was to program the project in the SHOPP under permanent restoration. On October 15, 2007, inspections found that the soil movement was accelerating and could result in the failure of the retaining wall, the roadway or both. Surveys also showed that the retaining wall face is tilting. This project is to place soil nails within the slope embankments of the southwest and southeast quadrants; remove and replace the failed asphalt roadway pavement on Red Hill Avenue within the city limits of Costa Mesa; and conduct structural repairs of the existing wall. This project involves right of way related activities such as right of entry, construction easements, and possible parcel acquisition.

BACKGROUND:

The Commission by Resolution G-11, as amended by Resolution G-00-11, 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 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 authorizes the Department to allocate funds for follow-up restoration projects associated with and that immediately follow an emergency condition response project.

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 PPNO Program	Budget Year Item # Program Codes	State Federal Total Amount
2.5f.(1) Informational Report – Emergency G-11 Allocations				
1 \$150,000 Nevada 03U-Nev-80 9.0	Near Truckee, at the Donner Lake interchange. On October 2, 2007, an 8-foot deep sinkhole was discovered at the eastbound on-ramp to Interstate 80. This project is to replace the culvert under the eastbound on-ramp and install lining in the culvert section under eastbound Interstate 80.	4E3101 03-4283 SHOPP Emergency	2005-06 302-0042 20.20.201.130	\$150,000 \$150,000
Initial G-11 Allocation 10/26/07:		\$150,000		
2 \$250,000 Sacramento 03U-Sac-51 8.46	In Sacramento, on the Capitol City Freeway at Route 244/80 Separation (Bridge # 24-0291L). On September 19, 2007, chunks of concrete were reported falling from the structure. Structure investigation revealed a hinge failure. This project is to install a temporary shoring system to support the suspended side of the hinge as an interim measure.	4E2701 03-6400 SHOPP Emergency	2005-06 302-0042 20.20.201.130	\$250,000 \$250,000
Initial G-11 Allocation 09/28/07:		\$250,000		
3 \$400,000 Contra Costa 04U-CC-24 0.1	Near Orinda, at the Caldecott Tunnel. On August 24, 2007, an electrical fire in Bore # 3 damaged the lighting conductors. In a separate concurrent incident, settlement is preventing the lane control barrier from operating smoothly. The lane control barrier helps switch direction of traffic in the center tunnel between east and westbound depending on traffic demands. This project is to remove and replace damaged electrical wiring, reconstruct the barrier joint and install new, larger diameter struts.	4A7201 04-0228C SHOPP Emergency	2005-06 302-0042 20.20.201.130	\$400,000 \$400,000
Initial G-11 Allocation 10/11/07:		\$400,000		
4 \$2,000,000 Sonoma 04U-Son-1 29.8	Near Timber Cove, approximately 9.7 miles north of Route 116. As a result of heavy winter rain in March 2006, the fill slope under the shoulder of the southbound lane slipped out. The highway was restricted to one-way traffic control with concrete median barriers. Initial allocation was for the construction of two soil nail walls to retain the fill slope. This supplemental is due to underestimating the walls' dimensions.	3S4701 04-0752T SHOPP Emergency	2006-07 302-0042 302-0890 20.20.201.130	\$229,000 \$1,771,000 \$2,000,000
Initial G-11 Allocation 08/02/06:		\$1,300,000		
Supplemental G-11 Allocation 10/29/07:		\$2,000,000		
Revised Allocation:		\$3,300,000		
5 \$200,000 Sonoma 04U Son-1 51.23	Near Stewarts Point, approximately 7.4 miles south of the Mendocino County line. On September 5, 2007, a failed culvert at this location was discovered. The failed culvert caused a sinkhole to form in the roadway. This project is to replace the failed culvert with a 90-linear-foot, 36-inch plastic pipe culvert and backfill the sinkhole.	4S2301 04-0815A SHOPP Emergency	2005-06 302-0042 20.20.201.130	\$200,000 \$200,000
Initial G-11 Allocation 10/11/07:		\$200,000		
6 \$2,000,000 Var 04U Var, Var Var	At various locations, in the San Francisco Bay Area. Recent rash of copper wire theft from highway electrical installations resulted in disabling highway lighting, ramp-metering signals, changeable message signs, groundwater control pumps, and other facilities. This project is needed to replace damaged pull boxes, conduits and wiring in order to maintain highway safety and operational efficiency.	4A6801 04-0273Q SHOPP Emergency	2005-06 302-0042 20.20.201.130	\$2,000,000 \$2,000,000
Initial G-11 Allocation 09/28/07:		\$2,000,000		

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2.5f.(1) Informational Report – Emergency G-11 Allocations				
7 \$4,450,000 Los Angeles 07U-LA-5 R44.8/R46.5	Near Santa Clarita, within the I-5/Route 14 truck bypass tunnel. On October 12, 2007, a chain reaction collision involving more than 31 vehicles, mostly big rig trucks, occurred at this location. Fire inside the 550-foot tunnel burned into the following day. This project is to clear and remove all fire debris, inspect and determine the extent of structural and pavement damage, and place shoring within the tunnel as needed.	1X8301 07-4073 SHOPP Emergency	2007-08 302-0890 20.20.201.130	\$4,450,000 \$4,450,000
	Initial G-11 Allocation 10/16/07: \$2,250,000 Supplemental G-11 Allocation 10/25/07: \$2,200,000 Revised Allocation: \$4,450,000			
8 \$20,000,000 Los Angeles 07U-LA-5 R44.8/R46.5	Near Santa Clarita, within the I-5/Route 14 truck Bypass tunnel. On October 12, 2007, a chain reaction collision involving more than 31 vehicles, mostly big rig trucks, occurred at this location. Fire inside the 550-foot tunnel burned into the following day. This project is to replace the burned tunnel roof (soffit), replace fire-weakened concrete and reinforcement steel, replace paving, replace electrical wiring and lighting, repair drainage, and replace traffic signing and striping.	1X8401 07-4072 SHOPP Emergency	2007-08 302-0890 20.20.201.130	\$20,000,000 \$20,000,000
	Initial G-11 Allocation 10/25/07: \$20,000,000			
9 \$200,000 Merced 10U-Mer-152 13.5	Near Santa Nella, at 0.3 mile west of Interstate 5. On August 21, 2007, a motorist towing a trailer carrying an elevator for harvesting almonds struck an overhead sign structure. This project is to remove and replace damaged structural steel truss members, sign panel, catwalk and other appurtenances of the overhead sign structure, and conduct traffic control as necessary.	0S3001 10-0194 SHOPP Emergency	2005-06 302-0042 20.20.201.130	\$200,000 \$200,000
	Initial G-11 Allocation 10/16/07: \$200,000			
10 \$700,000 San Diego 11U-SD-78 15.48	Near Escondido, at Nordahl Road. On October 16, 2007, a truck traveling eastbound hit the Nordahl Road Overcrossing bridge. This project is to replace a damaged concrete girder and bridge deck, repair pavement on Nordahl Road and conduct traffic control as needed.	293401 11-0838 SHOPP Emergency	2005-06 302-0042 20.20.201.130	\$700,000 \$700,000
	Initial G-11 Allocation 10/24/07: \$700,000			
11 \$500,000 San Diego 11U-SD-94,188 R17.4/42.0, 0.0/1.8	Near San Diego, from Steele Canyon Road to east of Potrero Valley Road and on Route 188 from the international border to Route 94. On October 21, 2007, several fires ignited and spread throughout the region. The fire burned wooden posts for metal beam guardrails and roadside signs. This project is to repair all damaged guardrail and signposts within project limits	293501 11-0924 SHOPP Emergency	2006-07 302-0890 20.20.201.130	\$500,000 \$500,000
	Initial G-11 Allocation 10/26/07: \$500,000			
12 \$500,000 San Diego 11U-SD-78 R16.5/51.1	Near San Diego, at various locations on Routes 78, 67, 76, and 15. On October 21, 2007, several fires ignited and spread throughout the region. The fire burned wooden posts for metal beam guardrails and roadside signs. This project is to repair all damaged guardrail and signposts within project limits	293601 11-0925 SHOPP Emergency	2006-07 302-0890 20.20.201.130	\$500,000 \$500,000
	Initial G-11 Allocation 10/26/07: \$500,000			

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2.5f.(1) Informational Report – Emergency G-11 Allocations				
13 \$500,000 San Diego, Imperial 11U-SD, Imp-8 R28.5 (SD)/ R10.0 (Imp)	Between El Cajon and El Centro, from Tavern Road in San Diego County to Route 98 in Imperial County. On October 21, 2007, heavy Santa Ana winds caused numerous sign panels to blow over or break off from their posts. This project is to replace damaged sign panels. Initial G-11 Allocation 10/26/07: \$500,000	293701 11-0926 SHOPP Emergency	2005-06 302-0042 20.20.201.130	\$500,000 \$500,000
14 \$500,000 San Diego 11U-SD-15 M20.6/M27.8	In San Diego, from Carmel Mountain Road to Clarence Lane. On October 21, 2007, several fires ignited and spread throughout the region. The fire burned wooden posts for metal beam guardrails and roadside signs. This project is to repair all damaged guardrail and signposts and to place erosion control within project limits. Initial G-11 Allocation 10/26/07: \$500,000	293801 11-0927 SHOPP Emergency	2006-07 302-0890 20.20.201.130	\$500,000 \$500,000
15 \$3,730,000 Orange 12U-Ora-405 8.4	In Costa Mesa, along Red Hill Avenue. On February 17, 2007, cracking in the pavement along Red Hill Avenue was noticed. The embankment slope was found to be slowly moving and causing pavement cracking and separation of an existing retaining wall. The project was going to be programmed in the SHOPP under permanent restoration; however, on October 15, 2007, inspections found that the soil movement was accelerating. This project is to place soil nails within the slope embankment and repair the failing retaining wall and pavement. Initial G-11 Allocation 10/24/07: \$3,730,000 (Additional \$1,570,000 was allocated for right-of-way purposes.)	0J1201 12-5010A SHOPP Emergency	2005-06 302-0042 20.20.201.130	\$3,730,000 \$3,730,000