

Memorandum

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: March 16-17, 2016

Reference No.: 2.5f.
Information Item

From: NORMA ORTEGA
Chief Financial Officer

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Division of
Budgets

Subject: **INFORMATIONAL REPORTS – DELEGATED ALLOCATIONS**
EMERGENCY G-11, SHOPP SAFETY, AND MINOR G-05-05

SUMMARY:

Since the period reported at the last California Transportation Commission (Commission) meeting, the California Department of Transportation (Department) allocated or sub-allocated:

- \$24,215,000 for 19 emergency construction projects, pursuant to the authority granted under Resolution G-11 (2.5f.(1)).
- \$7,267,000 for four SHOPP Safety Lump Sum projects Sub-Allocations (2.5f.(3)).
- \$2,924,000 for three State Highway Operation and Protection Program (SHOPP) Minor A projects, pursuant to the authority granted under Resolution G-05-05 (2.5f.(4)).

As of January 28, 2016, the Department has allocated or sub-allocated the following for Fiscal Year 2015-16:

- \$205,473,000 for 117 emergency construction projects.
- \$48,855,000 for 22 SHOPP Safety Lump Sum projects.
- \$9,419,000 for 10 SHOPP Minor A projects.

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 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.

Resolution G-11 authorizes the Department to allocate funds for follow-up restoration projects associated with, and that immediately follow an emergency condition response project. Resolution G-11 also requires the Department to notify the Commission, at their next meeting, whenever such an emergency allocation has been made.

On March 30, 1994, the Commission delegated to the Department authority to allocate funds under Resolution G-11, as amended by Resolution G-00-11, for seismic retrofit projects. This authority allows the Department to begin work without waiting for the next Commission meeting to receive an allocation.

On March 28, 2001, the Commission approved Resolution G-01-10, as amended by Resolution G-03-10, as amended by Resolution G-06-13, delegating to the Department authority under lump sum FM-15-03, to allocate funds for SHOPP safety and pavement rehabilitation projects. This authority allows the Department to begin work without waiting for the next Commission meeting to receive an allocation.

Resolution G-05-05 authorizes the Department to sub-allocate funds for Minor projects. At the June 2015 meeting, the funding and project listing for the FY 2015-16 Lump Sum Minor Construction Program was approved by the Commission under Resolution FM-14-05.

The SHOPP, as approved by the Commission, is a four-year program of projects with the total annual proposed expenditures limited to the biennial Commission-approved Fund Estimate. The Commission, subject to monthly reporting and briefings, has delegated to the Department the authority to amend programmed projects, the authority to allocate funds for safety projects, and the authority to allocate funds to emergency projects. The Department uses prudent business practices to manage the combination of individual project cost increases and savings to meet Commission policies.

In all cases, the delegated authority allows the Department to begin work without waiting for the next Commission meeting to receive an allocation.

The Department has complied with the National Environmental Policy Act and the California Environmental Quality Act requirements in preparing these projects.

Attachment

2.5 Highway Financial Matters

Project # Amount County Dist-Co-Rte Postmile	Location Project Description Allocation History	PPNO Program/Year Project ID Adv Phase EA	Budget Year Item # Fund Type Program Code	Amount by Fund Type
2.5f.(1) Informational Report - Emergency G-11 Allocations				
1 \$2,000,000 Del Norte 01-DN-101 21.2	Near Crescent City, at 0.2 mile north of Cushing Creek Viaduct. On December 24, 2015 large cracks were observed within the traveled way. The roadway condition has quickly deteriorated with complete failure of an existing soldier pile retaining wall and loss of the southbound lane. Without immediate action, a complete loss of the route is likely. This project will install sheet piles to shore, stabilize and salvage what remains of the route. Borings for soil data will be obtained to characterize the landslide and aid in the selection of a permanent repair. Work also includes traffic control, surface and sub-surface drainage repairs and modifications, and placement of erosion control measures. (Construction Support: \$500,000) Initial G-11 Allocation 02/01/16: \$2,000,000 (Additional \$20,000 was allocated for right of way purposes).	01-1119 SHOPP/15-16 0116000117 4 0G030 Emergency	2014-15 302-0042 SHA 20.20.201.130	\$2,000,000
2 \$600,000 Humboldt 01-Hum-36 32.2/32.3	Near Bridgeville, at 1.3 miles west of Larabee Valley Road. Following a series of large rain events, on December 18, 2015 Department staff investigated a report of embankment failure and a nearby separated culvert. Newly placed fill on the roadway embankment is sloughing and eroding, causing sediment to impact adjacent property and undermining roadway stability. Also, the nearby down-drain culvert has disconnected at a joint causing erosion on the slope. Slope movement caused the separation, now made worse by the escaping culvert water. Immediate repairs are necessary given further forecasted storms. This project will stabilize one embankment with rock slope protection (RSP), reconstruct the embankment at the second location, repair the down-drain system, and provide erosion control measures. (Construction Support: \$200,000) Initial G-11 Allocation 01/06/16: \$600,000 (Additional \$10,000 was allocated for right of way purposes).	01-2446 SHOPP/15-16 0116000104 4 0F940 Emergency	2014-15 302-0042 SHA 20.20.201.130	\$600,000
3 \$850,000 Mendocino 01-Men-1 0.0/R55.0	From Sonoma County Line to Caspar. The Governor issued a emergency proclamation on October 30, 2015 in response to drought induced tree die-off throughout the State. Widespread tree mortality has been attributed to the lack of precipitation and associated tree infestations and disease. Maintenance crews are unable to keep up with the elevated tree mortality with resources available. In this stretch of Route 1, approximately 400 trees have been identified by the landscape specialist/arborist as requiring removal. Identified trees have been classified as dead or having major structural deficiencies that are predisposed to failure. Tree failure within the state highway right of way are a threat to traffic, highway appurtenances and adjacent properties. This project will remove the identified trees. (Construction Support: \$500,000) Initial G-11 Allocation 01/13/16: \$850,000 (Additional \$100,000 was allocated for right of way purposes).	01-4637 SHOPP/15-16 0116000106 4 0F950 Emergency	2014-15 302-0042 SHA 20.20.201.130	\$850,000

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2.5f.(1) Informational Report - Emergency G-11 Allocations				
4 \$750,000 Mendocino 01-Men-271 18.4/20.3	Near Leggett, at Mc Coy Creek Sidehill Viaduct (No. 10-0100) and at 2.3 miles south of South Fork Eel River Bridge. On December 21, 2015 Maintenance staff observed excessive seepage and accelerated erosion under the sidehill viaduct, resulting in voids extending below the middle of the viaduct and up to the deck surface. Significant erosion has exposed portions of the foundation piles, and cracks in the roadway surface beyond the viaduct are visible. In addition, a nearby slipout occurred below the southbound lane. The void area extends under the lane and threatens the northbound section of roadway resulting in complete road closure. The slipout is a result of recent heavy rain and poor condition of a culvert. This project will repair eroded slopes, failed drainage systems, and roadway surfaces at both locations. In addition, exposed piles at the viaduct will be repaired and further drainage improvements made at the site. (Construction Support: \$250,000) Initial G-11 Allocation 01/28/16: \$750,000 (Additional \$20,000 was allocated for right of way purposes).	01-4638 SHOPP/15-16 0116000116 4 0G020 Emergency	2014-15 302-0042 SHA 20.20.201.130	\$750,000
5 \$500,000 Plumas 02-Plu-70 11.3	Near Belden, at 2.3 miles west of Chipps Creek Bridge. On January 2 and 3, 2016 rock slides fell across the roadway covering both sides and were cleared separately by Maintenance forces. Further small slides occurred on each of January 5th and 6th requiring clearing. Subsequent geotechnical staff investigations reveal further areas of potential slides. To reduce further threats and closures, work includes removal of loose rocks from the slope by scaling, airbags, or blasting and then clearing and disposal. Further unstable rocks are to then be stabilized by mechanical means. (Construction Support: \$250,000) Initial G-11 Allocation 01/19/16: \$500,000 (Additional \$5,000 was allocated for right of way purposes).	02-3651 SHOPP/15-16 0216000076 4 2H440 Emergency	2014-15 302-0042 SHA 20.20.201.130	\$500,000
6 \$600,000 Siskiyou 02-Sis-96 26.7	Near Happy Camp, at 1.1 miles east of Beck Ranch Road. On December 31, 2015 a landslide across both lanes of travel resulted in complete roadway closure. The slide continued to increase in size as the cleanup effort progressed. This work will include complete removal of the slide so that the roadway can be re-opened to traffic. (Construction Support: \$200,000) Initial G-11 Allocation 01/13/16: \$600,000	02-3650 SHOPP/15-16 0216000073 4 2H300 Emergency	2014-15 302-0042 SHA 20.20.201.130	\$600,000

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2.5f.(1) Informational Report - Emergency G-11 Allocations				
7 \$3,450,000 Trinity 02-Tri-299 12.3/12.9	Near Burnt Ranch, from 1.4 miles to 0.9 mile west of Mill Creek Road. Within the limits of an ongoing construction project, heavy rains beginning mid-December have saturated the foundation soil under a newly constructed embankment. The saturated foundation soil slipped out, carrying the newly constructed embankment down the slope towards the Trinity River. The uncontrolled drainage and mudslide is over topping containment basins and perimeter controls 500 feet below the roadway. Cracks and settlement are visible directly adjacent to the roadway. Continued heavy rain events are worsening the conditions and creating an imminent threat of failure to the roadway and to river water quality. This project will stabilized the roadway by removing saturated material, reestablishing the sediment basin at the toe of the slip-out, modifying drainage, installing extensive erosion measures, and monitoring the site. (Construction Support: \$1,000,000) Initial G-11 Allocation 01/27/16: \$3,450,000 (Additional \$50,000 was allocated for right of way purposes).	02-3652 SHOPP/15-16 0216000077 4 2H450 Emergency	2014-15 302-0042 SHA 20.20.201.130	\$3,450,000
8 \$975,000 Trinity 02-Tri-299 23.3	Near Del Loma, at Big French Creek Road. A series of rock slides continue to occur at this location since January 16, 2016. Geotechnical investigations determined that the slope is likely to continue to shed rocks and soil. A future year project is in the planning phase to construct a permanent rock drapery system. The highway is now fully open, but with a continued threat of slides during rain events. This project will provide slope monitoring during rain events, traffic control, lighting of the site, rock scaling as required, and rock and soil removal as necessary to keep the route clear the remainder of the winter months. (Construction Support: \$300,000) Initial G-11 Allocation 02/01/16: \$975,000 (Additional \$5,000 was allocated for right of way purposes).	02-3654 SHOPP/15-16 0216000092 4 2H090 Emergency	2014-15 302-0042 SHA 20.20.201.130	\$975,000
9 \$1,200,000 Sacramento 03-Sac-5 Var.	In Sacramento County on Routes 5 and 99 and in Yolo County on Routes 50 and 80 at various locations. As a result of heavy storm events in December 2015 and January 2016, there are numerous concrete pavement slabs that have broken and are moving under traffic due to water saturation. Many locations exhibit destabilized, settled, and broken slabs resulting in loose debris and large potholes. State Maintenance forces have been performing emergency repairs; however, the rate of deterioration is faster than temporary repairs can be made. The project will remove and replace approximately 110 failed slabs with rapid strength concrete. Future year construction projects are planned for permanent pavement rehabilitation. (Construction Support: \$160,000) Initial G-11 Allocation 01/19/16: \$1,200,000	03-5861 SHOPP/15-16 0316000149 4 1H420 Emergency	2014-15 302-0042 SHA 20.20.201.130	\$1,200,000

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2.5f.(1) Informational Report - Emergency G-11 Allocations				
10 \$900,000 Sacramento 03-Sac-99 20.2	Near the city of Sacramento, at Turnbridge Drive Pedestrian Overcrossing (POC) No. 24-0169. On November 2, 2015 the POC was closed to public use after a tree branch fell and collapsed approximately 140 feet of fence railing. A follow-up inspection identified the need to also replace the remaining fencing due to corrosion of the fence posts. Additional time was required to develop the appropriate repairs. A 1962 Maintenance Agreement with the County of Sacramento identifies that the County will maintain the POC. The County is in disagreement with responsibility of repairs and the Department is pursuing abatement for cost. (Construction Support: \$80,000) Initial G-11 Allocation 01/29/16: \$900,000	03-6929 SHOPP/15-16 0316000161 4 1H450 Emergency	2014-15 302-0042 SHA 20.20.201.130	\$900,000
11 \$600,000 San Mateo 04-SM-1 R47.2	In Daly City, at Clarinada Avenue. Ongoing storms have caused a washout contributed by a leaking culvert and a separated downdrain pipe. If allowed to continue unabated, undermining will expand and lead to lane loss and ramp closure. Work includes installing rock slope protection (RSP), repairing the drainage system, and reconstructing pavement. (Construction Support: \$150,000) Initial G-11 Allocation 01/22/16: \$600,000	04-1497G SHOPP/15-16 0416000252 4 1K490 Emergency	2014-15 302-0042 SHA 20.20.201.130	\$600,000
12 \$500,000 Santa Barbara 05-SB-101 R15.0/R15.2	In Santa Barbara, from 0.2 to 0.4 mile north of Carrillo Street. On January 21, 2016 a city waterline break caused a sinkhole under the median and northbound inside lane. Pavement is damaged in two adjacent lanes and erosion occurred at the outside shoulders. State maintenance forces repaved a portion of the affected lanes and applied slurry backfill to the sinkhole. There is a dip in the inside northbound lane with unknown damage under the remaining lanes. This project will excavate the inside northbound lane to determine the extent of damage and proceed with rebuilding the structural section. Abatement amount in seeking reimbursement from the City is being determined as the damage extent is learned. (Construction Support: \$75,000) Initial G-11 Allocation 01/29/16: \$500,000	05-2643 SHOPP/15-16 0516000034 4 1H180 Emergency	2014-15 302-0042 SHA 20.20.201.130	\$500,000

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2.5f.(1) Informational Report - Emergency G-11 Allocations				
13 \$1,500,000 San Benito 05-SBt-25 18.8/19.5	Near Pinnacles, from 2.7 to 2.0 miles south of Route 146. With January 2016 winter storms, the cut slope conditions on both sides of the traveled way have resulted in rock fall that is overwhelming the catchment area and falling on to the shoulder and traveled way. Temporary concrete k-rail was placed and traffic is restricted to one-way control. Slopes continue to collapse as material is cleared from the roadway. This project will continue to clear rock and debris, provide traffic control, and construct a temporary detour around the site until a permanent restoration project can be developed. (Construction Support: \$300,000) Initial G-11 Allocation 01/29/16: \$1,500,000 (Additional \$10,000 was allocated for right of way purposes).	05-2642 SHOPP/15-16 0516000033 4 1H170 Emergency	2014-15 302-0042 SHA 20.20.201.130	\$1,500,000
14 \$2,000,000 Kern 06-Ker-5 82.9/85.8	Near Kettleman City, from 9.9 miles north of Route 46 to 7.6 miles south of Route 41 (also in Kings County on Route 5 from PM 0.0 to 9.0). As a result of heavy storm events in January 2016, numerous slabs have broken and are moving under traffic due to water saturation of base and subbase materials. The unstable slabs are creating loose debris and large potholes. State Maintenance crews have been performing emergency work to stabilize the slabs, but the pavement is deteriorating faster than repairs can be made. If conditions worsen, there is a threat of lane closures due to lack of driveability. The project will replace only the worst slabs with asphalt pavement. Future year projects are proposed for permanent rehabilitation. (Construction Support: \$125,000) Initial G-11 Allocation 01/26/16: \$2,000,000	06-6786 SHOPP/15-16 0616000121 4 0V040 Emergency	2014-15 302-0042 SHA 20.20.201.130	\$2,000,000
15 \$1,000,000 Kern 06-Ker-99 7.3	Near Bakersfield, at Sandrini Road Overcrossing No. 50-0221. On September 5, 2015 an unsecured backhoe bucket being towed on a truck trailer struck the underside of the overcrossing. The high-load hit damaged all five pre-cast girders at mid-span causing concrete spalls and cracks. The outer girder damage required a partial lane closure on the roadway above. This girder requires complete replacement and the remaining girders require patching of spalls and cracks. This project will restore the structural capacity. Abatement is being sought from responsible parties. (Construction Support: \$100,000) Initial G-11 Allocation 12/17/15: \$1,000,000	06-6782 SHOPP/15-16 0616000107 4 0V030 Emergency	2014-15 302-0042 SHA 20.20.201.130	\$1,000,000

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2.5f.(1) Informational Report - Emergency G-11 Allocations				
16 \$2,000,000 Los Angeles 07-LA-39 28.0/31.0	Near Azusa, in the Angeles National Forest. In August 2015 the Cabin Fire burned over 1,700 acres in the vicinity of the route. A series of January 2016 storms resulted in mud and debris flows in the burn area, which blocked drainage systems and caused support slope washouts at three locations. This portion of the route is open to public traffic and provides important access for emergency vehicles. This project will repair the washed out slopes, restore the drainage systems and remain active during the current storm season to address the threat of additional slope failures. (Construction Support: \$400,000) Initial G-11 Allocation 01/29/16: \$2,000,000 (Additional \$100,000 was allocated for right of way purposes).	07-4954 SHOPP/15-16 0716000239 4 4X810 Emergency	2014-15 302-0042 SHA 20.20.201.130	\$2,000,000
17 \$2,500,000 Ventura 07-Ven-101 32.2/R34.8	Near the city of Ventura, from 0.7 mile north of West Main Street to 0.1 mile north of Dulah Road Undercrossing; also on Route 1 from PM 21.5 to 23.3. On December 25, 2015 the Solimar wildfire closed Routes 1 and 101 and eventually burned 1,300 acres. Fire damage included burned guardrail and damaged roadway signs, culverts, drainage systems, and fencing. The project will repair fire damage by replacing these systems where necessary, clearing ditches, stabilizing slopes, and deploying storm water measures to protect the highways and bike path from post-fire debris flow. (Construction Support: \$500,000) Initial G-11 Allocation 01/13/16: \$2,500,000 (Additional \$25,000 was allocated for right of way purposes).	07-4953 SHOPP/15-16 0716000230 4 4X800 Emergency	2014-15 302-0042 SHA 20.20.201.130	\$2,500,000
18 \$2,050,000 San Bernardino 08-SBd-40 R129.8	Near Needles, at Arbol Ditch Bridge No. 54-0204L/R. During a recent field review, Department staff discovered severe scour damage to the ditch channel. Both directional bridges are founded on spread footings that could be undermined under continued erosion conditions. This project will replace and/or stabilize the damaged rock slope protection (RSP) on the channel banks to arrest erosion and protect bridge supports. (Construction Support: \$200,000) Initial G-11 Allocation 02/02/16: \$2,050,000 (Additional \$50,000 was allocated for right of way purposes).	08-3005F SHOPP/15-16 0816000103 4 1G940 Emergency	2014-15 302-0042 SHA 20.20.201.130	\$2,050,000

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2.5f.(1) Informational Report - Emergency G-11 Allocations				
19 \$240,000 Orange 12-Ora-5 43.6	In Buena Park, at the Beach Boulevard Pump Plant. A pumping plant inspection in May 2015 found that the existing pumps are operating at about half the design flow, which is insufficient for anticipated winter storm events. Pump failure will cause complete closure of the route. The project replaces the defective pumps. This supplemental is necessary because the new pump order will take several additional months for delivery. The supplemental scope of work is to remove and rebuild the two existing pumps to increase reliability and rental of a third stand-by pump for use during heavy rain events, until the new pump units arrive and are installed. (Construction Support: \$120,000) Initial G-11 Allocation 08/04/15: \$460,000 Supplemental G-11 Allocation 01/29/16: \$240,000 Revised Allocation: \$700,000	12-2863C SHOPP/15-16 1216000009 4 0P740 Emergency	2014-15 302-0042 SHA 20.20.201.130	\$240,000

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Project # Allocation Amount County Dist-Co-Rte Postmile	Location Project Description Allocation History	PPNO Program/Year Prgm'd Amount Project ID Adv Phase EA	Budget Year Item # Fund Type Program Code	Amount by Fund Type
2.5f.(3) Informational Report - SHOPP Safety Resolution G-03-10 Delegated Allocations				
4 \$3,032,000 Orange 12-Ora-5 VAR	In the cities of Laguna Hills, Lake Forest, Irvine, Costa Mesa, Tustin and Orange, on Routes 5, 55, and 73 at various locations. <u>Outcome/Output</u> : Place Open Graded Friction Course and High Friction Surface Treatment, grove existing Portland Cement Concrete pavement and place Polyester Concrete overlay on bridge decks to reduce the number and severity of collisions during wet conditions. Preliminary <u>Engineering</u> <u>Programmed</u> <u>Expended</u> PA&ED \$0 \$0 PS&E \$1,185,000 \$1,080,854 R/W Supp \$15,000 \$0 (Construction Support: \$1,215,000) (CEQA - CE, 3/14/2014.) (NEPA - CE, 3/14/2014.) Allocation Date: 02/03/16	12-2530E SHOPP/15-16 \$3,000,000 1213000098 4 0N070	2014-15 302-0042 SHA 302-0890 FTF 20.20.201.010	\$61,000 \$2,971,000

2.5 Highway Financial Matters

#	Dist	County	Route	Postmile	Location/Description	EA	Program Code	Original Est. FM-09-05	Allocations
2.5f.(4) Informational Report - Minor Construction Program - Resolution G-05-05 Delegated Allocations									
1	02	Sha	Var	Var	Install fiber hub and activate fiber optic communication system along I-5 and SR 44.	4G840	201.315	\$1,000,000	\$1,000,000
2	09	Iny	395	75.1	Reclaim the Independence Material Site (MS) #118 at Independence at Fort Road Intersection.	33340	201.240	\$1,000,000	\$994,000
3	12	Ora	405	3.7/3.9	Widen the existing on-ramp to increase the storage capacity on southbound Route 405 at University Drive.	0P250	201.310	\$992,000	\$930,000