

1 [Emergency Declaration - Construct a Temporary Road Around a Landslide Area at Calaveras
2 Road - Total Estimated Cost Not to Exceed \$1,500,000]

3 **Resolution approving an emergency declaration of the San Francisco Public Utilities**
4 **Commission pursuant to Administrative Code, Section 6.60, to construct a temporary**
5 **road around a landslide area at Calaveras Road; with a total estimated cost not to**
6 **exceed \$1,500,000.**

7
8 WHEREAS, On January 10, 2017, a landslide occurred on the downslope edge of a
9 100-ft section of Calaveras Road in Alameda County, resulting in damage to Calaveras Road,
10 which is the only point of access for the Calaveras Dam Replacement Project (CDRP)
11 contractor to mobilize large equipment and materials to the construction site, necessitating the
12 construction of a temporary road around the landslide area; and

13 WHEREAS, The Calaveras Dam is a critical asset for providing continuous delivery of
14 water to the San Francisco Public Utilities Commission's (SFPUC) 2.6 million customers in the
15 Bay Area; inability to use this asset poses a threat to water deliveries, a basic service
16 affecting the lives, property and welfare of the SFPUC water customers in San Francisco, San
17 Mateo, Santa Clara and Alameda Counties; and

18 WHEREAS, A spillway is a critical asset for a dam as it allows for safe release of flood
19 waters from a dam to a downstream area ensuring that there is not catastrophic dam failure;
20 and

21 WHEREAS, The CDRP is being implemented to replace the existing dam with a new
22 dam designed to withstand a magnitude 7.25 earthquake on the nearby Calaveras Fault, and
23 the new dam's spillway is designed to accommodate the probable maximum flood, which is
24 the largest theoretical flood event for the watershed; and

1 WHEREAS, The new Calaveras Dam's spillway cannot be used until the new dam is
2 constructed and placed into service; and

3 WHEREAS, While the SFPUC is aggressively making releases of water over the
4 course of the current wet rainy season through a new outlet pipeline and 72-inch fixed cone
5 valve to a new stilling basin to manage the reservoir level, thereby mitigating potential dam
6 overtopping risk in the event of an extreme flood event, the capacity of the cone valve to
7 evacuate water from the reservoir is limited and there remains a significant threat to the
8 SFPUC in that a potential future extreme flood event could lead to overtopping of the existing
9 dam and catastrophic dam failure, possibly resulting in significant downstream flooding; and

10 WHEREAS, Any delay to constructing the temporary road around the landslide area on
11 Calaveras Road would delay the CDRP for an additional construction season, leaving the
12 Calaveras Dam without a spillway for an additional rainy season, thereby increasing the risk
13 of potential dam failure in a large flood event, which represents unacceptable risk to public
14 health and safety; and

15 WHEREAS, Administrative Code, Chapter 6, Article IV, Section 6.60, authorizes
16 department heads responsible for public work to award an emergency contract, exempt from
17 the competitive bidding process, in the event of an actual emergency, which is defined to
18 include, " ... [t]he breakdown or imminent breakdown of any plant, equipment, structure, street
19 or public work necessitating immediate emergency repair or reconditioning to safeguard the
20 lives or property of the citizens, or the property of the City and County, or to maintain the
21 public health and welfare ..."; and

22 WHEREAS, On February 27, 2017, the SFPUC General Manager declared an
23 emergency, approved by the President of the San Francisco Public Utilities Commission, to
24 construct a temporary road around the landslide area on Calaveras Road so that the critical
25

1 construction work at Calaveras Dam may continue without further delay and thereby protect
2 public health and safety; and

3 WHEREAS, Administrative Code, Section 6.60(d), requires that the General Manager
4 immediately notify the Controller, and seek Board of Supervisors' approval of emergency
5 public works with an estimated cost in excess of \$250,000; and

6 WHEREAS, The SFPUC General Manager estimates that the emergency work to
7 construct a temporary road around the landslide area at Calaveras Road is not expected to
8 exceed \$1,500,000; and

9 WHEREAS, Because the current CDRP contractor, Dragados USA, Inc./Flatiron West,
10 Inc./Sukut Construction, Inc. Joint Venture, is mobilized at the site and can address the
11 majority of this emergency work expeditiously, the SFPUC anticipates that it will authorize the
12 CDRP contractor to complete the work in an amount not to exceed \$1,500,000; and

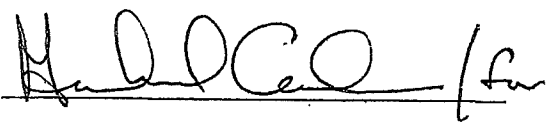
13 WHEREAS, The Controller has certified that funds are available for this emergency
14 work and contract; now, therefore, be it

15 RESOLVED, That the Board of Supervisors approves the emergency work under
16 Administrative Code, Section 6.60, to construct a temporary road around the landslide area at
17 Calaveras Road; and, be it

18 FURTHER RESOLVED, That actions taken to date by the San Francisco Public
19 Utilities Commission to address such emergency work and resolve the emergency condition
20 are hereby ratified.

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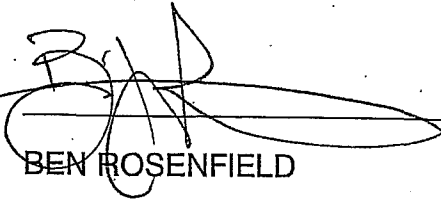
RECOMMENDED:



HARLAN L. KELLY, JR.

General Manager of the SFPUC

FUNDS AVAILABLE:



BEN ROSENFELD

Controller

Item 6 File 17-0229	Department: Public Utilities Commission (PUC)
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EXECUTIVE SUMMARY

Legislative Objectives

- The proposed resolution would approve the emergency declaration of the San Francisco Public Utilities Commission (SFPUC) to construct a temporary bypass road around a landslide area at Calaveras Road, with a total cost not to exceed \$1,500,000.

Key Points

- On January 10, 2017, a landslide destroyed a portion of Calaveras Road, which is the only access point for the construction contractor to transport equipment and materials to the Calaveras Dam Replacement Project (CDRP). The damage to the road has delayed construction on the project, increasing the risk of overtopping or dam failure due to seismic activity or another season of heavy precipitation.
- Alameda County has committed to permanent restoration of the damaged section of road, but they cannot begin construction until summer 2017 at the earliest, which would delay the completion of CDRP through an additional construction season.
- The declaration of emergency would allow SFPUC to build a temporary road to bypass the portion of Calaveras Road affected by the landslide. SFPUC has awarded the emergency contract to the current CDRP contractor, Dragados USA, Inc./Flatiron West, Inc./Sukut Construction, Inc. Joint Venture.
- SFPUC awarded the contract to the CDRP contractor without undergoing a competitive bidding process because the competitive bidding process would take several months and the construction of the temporary road is required immediately to avoid further delays in the CDRP. The CDRP contractor is already on site and is able to begin work on the temporary road immediately.

Fiscal Impact

- The total estimated cost for the construction of the temporary bypass road at Calaveras Road is not to exceed \$1,500,000. Estimates for these costs were developed by the contractor and were reviewed by SFPUC's Construction Management Team.

Recommendation

- Approve the proposed resolution.

MANDATE STATEMENT

Administrative Code Section 6.60 provides for the Department Head to (a) declare an emergency with immediate notice to the Board of Supervisors, (b) execute a contract to perform emergency work, and (c) obtain Board of Supervisors approval for emergency work with estimated costs in excess of \$250,000. According to Administrative Code Section 6.60(d), the proposed resolution approving the emergency determination shall be submitted to the Board of Supervisors within 60 days of the Department Head's emergency declaration.

BACKGROUND

The San Francisco Public Utilities Commission (SFPUC) operates the Calaveras Dam Replacement Project (CDRP) in Alameda and Santa Clara Counties. The Calaveras Dam holds water in the Calaveras Reservoir, which provides water to approximately 2.6 million customers in the Bay Area. The CDRP involves the construction of a new dam and spillway immediately downstream from the existing facilities, with the purpose of protecting public health and safety by safeguarding the facilities against a magnitude 7.25 earthquake and the maximum probable flood.

In April 2016, construction was completed on the new spillway which will serve the new dam. The current schedule for completing the new dam is winter 2018-19. Until that time, the old dam is operating without a spillway, which poses a particular risk given its seismic unreliability and the high levels of precipitation that have fallen in January and February of 2017. In order to mitigate the risk of the dam overtopping, SFPUC has reduced the amount of water being stored in the dam to less than 30 percent capacity.

On January 10, 2017, a landslide occurred on a section of Calaveras Road, which is the only access road for the contractor to transport large equipment and materials to the construction site of the Calaveras Dam Replacement Project. This damage to Calaveras Road has prevented the construction contractors from continuing construction work on the new Calaveras Dam. A small fire access road (Cal-Geary Road) has provided a means for small vehicles to bypass the section of road destroyed by the landslide, but this road is not able to handle the large equipment and materials needed to continue construction on the dam itself.

Alameda County has the right-of-way to Calaveras Road and has committed to the permanent restoration of the damaged section of road, but the permanent restoration would require much more design and construction time than the temporary road, and construction would likely not begin until summer 2017 at the earliest. This would mean that construction of the new Calaveras Dam would be delayed through an additional construction season and that the existing dam would be without a spillway through an additional winter. This delay would increase the risk of overtopping or dam failure due to seismic activity or another season of heavy precipitation.

DETAILS OF PROPOSED LEGISLATION

The proposed resolution would approve the SFPUC's emergency declaration to construct a temporary bypass road around a landslide area on Calaveras Road in order to continue construction on the CDRP, with a total cost not to exceed \$1,500,000.

The SFPUC General Manager declared an emergency as the result of the landslide in a letter to the President of the San Francisco Public Utilities Commission on February 27, 2017. The resolution approving the emergency declaration was submitted to the Board of Supervisors on March 3, 2017, which is 52 days after the January 10, 2017 landslide and four days after the February 27, 2017 emergency declaration, in conformance with Administrative Code Section 6.60(d).

The declaration of emergency would allow SFPUC to build a temporary road to bypass the portion of Calaveras Road affected by the landslide. SFPUC has awarded the emergency contract to the current CDRP contractor, Dragados USA, Inc./Flatiron West, Inc./Sukut Construction, Inc. Joint Venture. According to Ms. Susan Hou, SFPUC Senior Project manager, SFPUC awarded the contract to the existing CDRP construction contractor without undergoing a competitive bidding process, as is permitted under the Administrative Code in cases of emergencies. This was necessary because the competitive bidding process would take several months and the construction of the temporary road is required immediately to avoid further delays in the CDRP. The CDRP contractor is already on site and able to begin work on the temporary road immediately. The contractor has been working on the construction of CDRP since 2011, when it was awarded the contract with SFPUC through a competitive bidding process.

FISCAL IMPACT

The total estimated cost for the construction of the temporary bypass road at Calaveras Road is not to exceed \$1,500,000, as shown in Table 1 below.

Table 1: Estimated Costs for Construction of a Temporary Bypass Road at Calaveras Road

Purpose	Estimated Cost
Excavate and Haul Away Materials	\$350,000
Dump and Haul Tree Mulch	250,000
Paving	90,000
Traffic Control/Flagging	84,000
Clearing/Tree Removal	80,000
Design of the Temporary Bypass	75,000
Storm Water Pollution Prevention Program	75,000
K-Rail	70,000
Buy, Haul, Place Class II Base	60,000
Survey	45,000
Strip and Haul Topsoil	45,000
Fiber Rolls and Jute Netting	35,000
Finish Subgrade	25,000
Crash Barriers	25,000
Street Sweeper	20,000
Dike	15,000
Striping	10,000
Changeable Message Board	10,000
<i>Subtotal</i>	<i>1,364,000</i>
10% Contingency	136,000
Total	\$1,500,000

According to Ms. Hou, the estimates for these costs were developed by the contractor and were reviewed by SFPUC's Construction Management Team. The source of funds for the emergency work is contingency monies which were previously appropriated by the Board of Supervisors for the CDRP budget.

RECOMMENDATION

Approve the proposed resolution.



San Francisco
Water Power Sewer

Services of the San Francisco Public Utilities Commission

525 Golden Gate Avenue, 13th Floor
San Francisco, CA 94102
T 415.554.3155
F 415.554.3161
TTY 415.554.3488

INTER-OFFICE MEMORANDUM

DATE: February 27, 2017
TO: The Honorable Anson Moran
President, San Francisco Public Utilities Commission
FROM: Harlan L. Kelly, Jr. *[Signature]*
General Manager
SUBJECT: Declaration of Emergency – Temporary Construction Bypass of
Calaveras Road Landslide

In accordance with Chapter 6, Section 6.60 of the Administrative Code of the City and County of San Francisco, I am declaring an emergency on behalf of the Public Utilities Commission.

On January 10, 2017, a landslide occurred on the downslope edge of a 100-ft section of Calaveras Road in Alameda County, which is the only point of access for the Calaveras Dam Replacement Project (CDRP) contractor to mobilize large equipment and materials to the construction site. As a result, SFPUC staff immediately initiated discussion with Alameda County to allow the CDRP contractor to construct a temporary road around the slide area on SFPUC property so that temporary construction access can be restored and the project can continue without significant further delay. In the meantime, Alameda County is working on a permanent solution for restoration of Calaveras Road. Based on preliminary discussions with the County, the permanent road restoration will likely not be implemented until Summer 2017 at the earliest.

The old spillway at Calaveras Dam was demolished to make room for the foundation excavation of the new spillway and dam to be constructed immediately downstream of the existing facilities. Although the new spillway was completed in April 2016, it cannot be used until the new dam is constructed and placed into service, currently scheduled to be prior to the winter of 2018-19. In the meantime, the SFPUC is aggressively making releases through the new outlet pipeline and 72-inch fixed cone valve to the new stilling basin to manage the reservoir level, thereby mitigating potential dam overtopping risk in the event of an extreme flood event. Without a spillway in service, the occurrence of an extreme flood event could lead to overtopping of the existing dam and catastrophic dam failure, possibly resulting in significant downstream flooding. Although the SFPUC has effectively managed the dam overtopping risk to date, keeping the reservoir to the restricted level mandated by the California Division of Safety of Dams for seismic safety has been challenging given the high levels of precipitation experienced in January and February 2017.

- Edwin M. Lee
Mayor
- Anson Moran
President
- Ike Kwon
Vice President
- Ann Moller Caen
Commissioner
- Francesca Vietor
Commissioner
- Vince Courtney
Commissioner
- Harlan L. Kelly, Jr.
General Manager



Date: February 27, 7
Subject: Declaration of Emergency
Page 2

Any delay to constructing the bypass around the landslide on Calaveras Road would effectively delay the project for an additional construction season, rendering the facility to be without a spillway for an additional winter. Much larger precipitation events than those experienced since the beginning of the construction project are possible, and risk exposure increases with every winter season the spillway is out of service. Therefore, not having the new spillway in service for an additional winter season represents unacceptable risk to public health and safety for the reasons stated above.

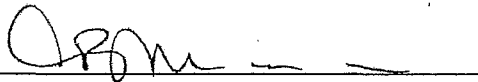
The CDRP construction contractor will perform the emergency construction work at the direction of the City under the express waiver of liability for public use or public safety of the temporary construction access bypass road. The contractor will warrant its workmanship, but cannot otherwise warrant the adequacy of the repair work given the exigent circumstances. Consistent with these limitations, Alameda County has requested the SFPUC to keep the road closed for the foreseeable future, thereby effectively restricting public access to one resident who owns a house within the closed portion of the road.

The CDRP construction contractor will allow access consistent with SFPUC and Alameda County's needs.

This request for emergency declaration is for the SFPUC to authorize the CDRP contractor to perform the emergency work consistent with the above-cited terms as soon as possible. The change order is expected to not exceed \$1.5 million.

I am therefore declaring the existence of an emergency. I trust that this meets with your concurrence and approval.

CONCUR AND APPROVE:



Anson Moran, President
San Francisco Public Utilities Commission

cc:

I. Kwon	B. Hale
A. Moller Caen	K. How
F. Viotor	T. Ramirez
V. Courtney	S. Ritchie
	D. Wade



San Francisco
Water Power Sewer

Services of the San Francisco Public Utilities Commission

525 Golden Gate Avenue, 13th Floor
San Francisco, CA 94102
T 415.554.3155
F 415.554.3161
TTY 415.554.347

TO: Angela Calvillo, Clerk of the Board
FROM: John Scarpulla, Policy and Government Affairs
DATE: March 3, 2017
**SUBJECT: Emergency Declaration – Construct a Temporary Road
Around a Landslide Area at Calaveras Road – Total
Estimated Cost Not to Exceed \$1,500,000**

Attached please find an original and one copy of a proposed resolution approving an emergency declaration of the San Francisco Public Utilities Commission (SFPUC) pursuant to San Francisco Administrative Code, Section 6.60, to construct a temporary road around a landslide area at Calaveras Road; with a total estimated cost not to exceed \$1,500,000.

The following is a list of accompanying documents (2 sets):

- 1. Board of Supervisors Resolution
- 2. Letter from the PUC Commission President Ratifying Declaration
- 3. Form SFEC-126

Please contact John Scarpulla at (415) 934-5782 if you need additional information on these items.

RECEIVED
BOARD OF SUPERVISORS
SAN FRANCISCO
2017 MAR -3 AM 11:15
BY [Signature]

Edwin M. Lee
Mayor
Francesca Vietor
President
Anson Moran
Vice President
Ann Moller Caen
Commissioner
Vince Courtney
Commissioner
Ike Kwon
Commissioner
Harlan L. Kelly, Jr.
General Manager



**FORM SFEC-126:
NOTIFICATION OF CONTRACT APPROVAL
(S.F. Campaign and Governmental Conduct Code § 1.126)**

City Elective Officer Information <i>(Please print clearly.)</i>	
Name of City elective officer(s): Members, Board of Supervisors	City elective office(s) held: Members, Board of Supervisors

Contractor Information <i>(Please print clearly.)</i>	
Name of contractor: DRAGADOS USA, INC./FLATIRON WEST, INC./SUKUT CONSTRUCTION, INC. JOINT VENTURE	
Please list the names of (1) members of the contractor's board of directors; (2) the contractor's chief executive officer, chief financial officer and chief operating officer; (3) any person who has an ownership of 20 percent or more in the contractor; (4) any subcontractor listed in the bid or contract; and (5) any political committee sponsored or controlled by the contractor. Use additional pages as necessary.	
1) Jose Luis Mendez Sanches. Dragados West Coast President. Chairman of the JV Executive Committee Richard Grabinski . Flatiron Executive Vice President . Division Manager. Mike Zanaboni. . Sukut Vice President.	
2)N/A The contractor is a Joint Venture. NO Chief Executive Officer or CFO.	
3) N/A	
4) Subcontractors are still to be confirmed. Initially we will be working with Tri Valley Excavating U.S.A. Trucking Engeo Inc.	
5) N/A	
Contractor address: 12750 Calaveras Road, Suite B. Fremont , CA 94539. (Any mail sent using USPS should be addressed to P.O.Box 608. Sunol, CA 94586)	
Date that contract was approved:	Amount of contract: Not to exceed \$1,500,000
Describe the nature of the contract that was approved: To construct a temporary road around a land slide area at Calaveras Road in Alameda County.	
Comments:	

This contract was approved by (check applicable):

the City elective officer(s) identified on this form

a board on which the City elective officer(s) serves San Francisco Board of Supervisors
Print Name of Board

the board of a state agency (Health Authority, Housing Authority Commission, Industrial Development Authority Board, Parking Authority, Relocation Appeals Board, and Local Workforce Investment Board) on which an appointee of the City elective officer(s) identified on this form sits

Print Name of Board

Filer Information <i>(Please print clearly.)</i>	
Name of filer: Angela Calvillo, Clerk of the Board	Contact telephone number: (415) 554-5184

Address: City Hall, Room 244, 1 Dr. Carlton B. Goodlett Pl., San Francisco, CA 94102	E-mail: Board.of.Supervisors@sfgov.org
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Signature of City Elective Officer (if submitted by City elective officer)

Date Signed

Signature of Board Secretary or Clerk (if submitted by Board Secretary or Clerk)

Date Signed

S:\ALL FORMS\Campaign Finance\SFEC - 126\ Form SFEC-126 Notification of Contract Approval 9.14.doc



Operated by the San Francisco Public Utilities Commission

Emergency Declaration for Temporary Construction Bypass of Calaveras Road Landslide

**Dan Wade, Director
Water Capital Projects and Programs**

**San Francisco Board of Supervisors
Budget & Finance Committee
March 23, 2017**

Services of the San Francisco Public Utilities Commission

170229
3/23/17



Project Background

- On January 10, 2017, a landslide occurred on the downslope edge of a 100-ft. section of Calaveras Road in Alameda County
- Calaveras Road is the only point of access for the Calaveras Dam Replacement Project (CDRP) contractor to mobilize large equipment and materials to the construction site
- CDRP construction will be delayed until the contractor can once again access the construction site fully
- CDRP is a critical asset for providing continuous delivery of water to the SFPUC's 2.6 million customers in the Bay Area





Declaration of Emergency

- Alameda County has advised that it will not implement permanent road repair until Summer 2017 at the earliest
- The existing Calaveras Dam is currently without a spillway
- Without a spillway, the occurrence of an extreme flood event could lead to overtopping the existing dam and catastrophic dam failure
- SFPUC declared an emergency under Section 6.60 of the Administrative Code of the City and County of San Francisco on February 27, 2017



Emergency Contract

- The CDRP Contractor, Dragados USA/Flatiron West, Inc./Sukut Construction, Inc. Joint Venture (CDRP Contractor), is mobilized at the site and can address the temporary bypass work expeditiously
- SFPUC anticipates that it will authorize the CDRP Contractor to complete the work in an amount not to exceed \$1,500,000.
- The Controller has certified that funds are available for the emergency work and contract



Request

Approve the emergency work and contract under Administrative Code, Section 6.60, to have the CDRP Contractor construct a temporary bypass road around the landslide area at Calaveras Road for an amount not to exceed \$1,500,000.