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transportation  
authority

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Executive Director

December 21, 2017

Bijan Sartipi, P.E.  
District Director  
Caltrans, District 4  
111 Grand Avenue  
Oakland, CA 94607

Subject: Request for funding from State Highway Operations and Protection Program

Dear Mr. Sartipi:

With the advent of Senate Bill 1 (SB1), the State Highway Operations and Protection Program (SHOPP) provides opportunities to deliver critical infrastructure improvements to the State Highway System. The 2018 SHOPP and 10-Year SHOPP is estimated to be \$2.4 and \$5.2 billion, respectively, for Caltrans District 4. This available funding provides opportunities to collaborate between Caltrans and Congestion Management Agencies to deliver priority projects.

**2018 SHOPP**

The Contra Costa Transportation Authority (CCTA) appreciates the opportunity to review the 2018 SHOPP and appreciate inclusion of pavement rehabilitation projects on SR 242, SR 4 and I-80. CCTA is requesting active coordination with our ongoing projects such as SR 4 Operational Improvements and I-680/ SR 4 Interchange Improvements within the limits of these pavement rehabilitation projects.

CCTA has identified the following important SHOPP eligible projects for Caltrans consideration to program in the 2018 SHOPP.

I-680/SR4 – Phase 3: The project will widen SR 4 from 4 to 6 lanes for approximately 4 miles, including the addition of approximately 2 miles of HOV lane in the eastbound direction. The most significant benefit of the project will be

Total Cost	\$128 million
Committed Funding	\$57.4 million
Shortfall	\$70.6 million
SHOPP Request	\$66 million

improved safety and operations at the interchange. SHOPP eligible items include Bridge Replacement, Seismic Retrofit, Pavement Replacement, and Safety Lighting. Project costs have increased significantly as a result of needed replacement of existing infrastructure, environmental mitigation and escalating construction costs.

2999 Oak Road  
Suite 100  
Walnut Creek  
CA 94597  
PHONE: 925.256.4700  
FAX: 925.256.4701  
www.ccta.net

Innovate 680: As part of seven pronged approach to improve mobility on the 8<sup>th</sup> most congested corridor in the Bay Area, the Authority will be undertaking project development activities on four projects on I-680: 1) Extending HOV lane on Northbound

Total Cost (Ramp Metering)	\$41 million
Committed Funding	\$6 million
Shortfall	\$35 million
SHOPP Request	\$35 million

(NB) I-680 and completing hot spot improvements between Livorna Road and SR242, 2) Bus on Shoulders between Alcosta Blvd and Ygnacio Valley Road, 3) Advanced Technology project which includes implementing innovative operational strategies and preparing the corridor for connected/autonomous vehicle, and 4) Improved transit service in corridor. The "Advanced Technology" project includes the installation of adaptive ramp metering on I-680 in Contra Costa. Ramp metering is an eligible SHOPP project cost. The current estimated cost for the ramp metering including support costs is \$35 million.

I-80 San Pablo Dam Road Interchange – Phase 2:

San Pablo Dam Road is a route of regional significance as it provides a connection between State Route 24 and Interstate 80. In addition, I-80 is a route on the Primary Highway Freight

Total Cost	\$81 million
Committed Funding	\$16 million
Shortfall	\$65 million
SHOPP Request	\$65 million

System. Due to its non-standard vertical clearance, the San Pablo Dam Road overcrossing has been hit repeatedly by trucks resulting in at least one fatality. In addition, there are no shoulders under the overcrossing as the bridge abutment is at the edge of the travel lane. Now that CCTA has substantially completed Phase 1, we are seeking Caltrans assistance in funding Phase 2. Unlike the identified SHOPP bridge replacement projects at Ashby Avenue, University Avenue, and the Maze, this project has been environmentally cleared and 65% design plans are complete. Furthermore, right-of-way (ROW) funding is currently programmed in the STIP. The entire project is SHOPP eligible since it consists of bridge replacement and operational improvements.

State Route 4 Operational Improvements: The project initiation document on this 10<sup>th</sup> worst commute in the Bay Area was completed in May 2017. The initial phase of the project involves the addition of auxiliary lanes between Port

Total Cost	\$69 million
Committed Funding	\$12 million
Shortfall	\$57 million
SHOPP Request	\$57 million

Chicago Highway interchange and Willow Pass Road interchange, extending the auxiliary lane from Willow Pass Road off-ramp to Willow Road on-ramp, and adding a second exit lane at San Marco Blvd off-ramp. Since the proposed improvements are operational in nature they are eligible for SHOPP funds.

SR4 West Gap

Although the project was constructed some time ago, it was discovered recently that a drainage ditch was not built according to the project plans. We request Caltrans to correct this situation as soon as possible. Caltrans administered the construction contract for the segment of the project. Estimated cost for the correction is likely to be less than \$100,000.

I-680 Safety Lighting

Most recently, CCTA was requested by Caltrans to include safety lighting improvements in the vicinity of the I-680/SR 24 interchange, as part of the I-680 HOV/Express Lane project in the southbound direction. We request Caltrans to provide SHOPP funding for such upgrades or completing such improvements as a stand-alone SHOPP project.

Caldecott Tunnel Lighting and Improvements

CCTA requests considering a project to improve lighting in the Caldecott Tunnel along eastbound SR 24 as it may help reduce traffic slowdowns at the entrance of the tunnel. Other safety improvements may also be needed.

10-Year SHOPP

CCTA has identified the following important SHOPP eligible projects for Caltrans consideration to program in the 10-Year SHOPP.

Eastbound (EB) I-80 at Pinole Valley Road:

Add/extend auxiliary lane from Pinole Valley Road on-ramp to EB I-80 to address vehicles accelerating uphill after stopping at ramp-meter.

Total Cost	\$10 million
Committed Funding	--
Shortfall	\$10 million
SHOPP Request	\$10 million

EB SR 24 between Wilder Road to Camino

Pablo: Construct auxiliary lane along EB SR 24 from on-ramp at Wilder Road to downtown Orinda off-ramp at Moraga Road/Camino Pablo/Brookwood Road.

Total Cost	\$7 million
Committed Funding	--
Shortfall	\$7 million
SHOPP Request	\$7 million

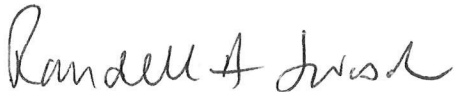
As projects progress further in the project development phases, the Authority will be requesting SHOPP funding for eligible items on future phases of I-680/SR 4 Interchange, SR 4 Operational Improvements, and Innovate 680.

*Bijan Sartipi*  
*Caltrans*  
*December 21, 2017*  
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The Authority appreciates your consideration to program these projects into the 2018 SHOPP and 10-Year SHOPP. Please contact our organization if you have any questions or require additional information at (925) 256-4724.

Sincerely,

A handwritten signature in cursive script, reading "Randell H. Iwasaki". The signature is written in dark ink and is positioned above the printed name and title.

Randell H. Iwasaki, P.E.  
Executive Director