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## MEMORANDUM

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To: Matt Todd, TRANSPAC  
Lisa Bobadilla, SWAT  
Jamar Stamps, TRANSPLAN, TVTC  
John Nemeth, WCCTAC  
Ellen Clark, LPMC

From: *MB for:*  
Randell H. Iwasaki, Executive Director

Date: February 27, 2017

Re: Item of interest for circulation to the Regional Transportation Planning Committees (RTPCs)

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At its February 15, 2017 meeting, the Authority discussed the following item, which may be of interest to the Regional Transportation Planning Committees:

- 1. Regional Measure 3 (RM3) – Candidate Projects for Submittal to the Metropolitan Transportation Commission (MTC).** MTC is considering a regional bridge toll increase on the seven state-owned bridges in the Bay Area. RM3 is expected to raise tolls by \$1 to \$3. It is anticipated that MTC will seek legislative approval in the next few months to place RM3 on the ballot in 2018. In preparation, Authority staff has prepared a list of projects in Contra Costa for potential funding by RM3. Staff seeks approval of Contra Costa's proposed RM3 project list for submittal to MTC. *The Authority Board approved Contra Costa's proposed RM3 project list for submittal to MTC. The list of projects is attached to this memorandum.*

**Proposed RM3 Project List for Submittal to MTC**

No	Project Name	Description	Cost (millions)	Funding Available (millions)	Funding Needed [RM3 Request] (millions)	MTC Draft Principles						Sources of Available Funds (millions)	
						Bridge Nexus	Regional Prosperity	Sustain-ability	State of Good Repair	Demand Management	Freight		Resiliency
1	<b>I-680/State Route 4 Interchange Improvements – Phases 1, 2, and 3</b>	Project will improve interchange in phases as follows: Phase 1: Freeway to Freeway connectors for NB I-680 to WB SR-4 Phase 2: EB SR-4 to SB I-680 connector and improvements to the SR-4 interchange at Pacheco Boulevard. Phase 3: Widen SR-4 between Morello Avenue in Martinez and SR-242 in Concord, and replace Grayson Creek Bridge	\$292	\$57	\$235	x	x		x		x		STIP: 5.1 Measure C: 17.3, Measure J: 35.0
2	<b>I-80/San Pablo Dam Road (SPDR) Interchange Improvements – Phase 2</b>	Replace SPDR Interchange at I-80 and modify McBryde Avenue and SPDR ramps. Includes provisions for bicyclists and pedestrians on San Pablo Dam Road.	\$80	\$16	\$64	x	x		x		x		STMP: 6.4, STIP: 9.2
3	<b>SR-4 Integrated Corridor Management (ICM)</b>	SR-4 from I-80 to SR-160: project includes adaptive ramp metering, advanced traveler information, arterial management system, freeway management system, and connected vehicle applications	\$15	\$0	\$15	x	x				x		
4	<b>SR-4 Operational Improvements - Initial Phase</b>	Various operational improvements along SR-4 between I-680 and Bailey Road, including additions of mixed flow lanes, High Occupancy Vehicles (HOV) lanes and auxiliary lanes.	\$144	\$5	\$139	x	x						Measure J
5	<b>I-680 Forward*</b>	Implementation of seven strategies for I-680 including improving efficiency of bus service (e.g. increased service, bus on shoulders, expanded park and ride lots), providing first/last mile connections, innovative operational strategies (e.g. ramp metering, decision support system, integrated corridor management), cooling hot spots (e.g. addition of auxiliary lanes), completing carpool/express lanes, and preparing corridor for Connected Vehicles/Automated Vehicles.	\$233	\$23	\$210	x	x	x			x		Measure J I-680 Reserve
6	<b>Vasco-Byron Highway Connector</b>	Replace/upgrade existing Armstrong Road. Add new road segments west of Armstrong Road to Vasco Road and east of Armstrong Road to Byron Highway.	\$87	\$0	\$87	x	x				x		
7	<b>West Contra Costa High Capacity Transit</b>	Study is underway to evaluate options for major transit investments along I-80 corridor in Contra Costa. Conceptual alternatives currently being evaluated include express bus on I-80, arterial-based bus rapid transit (BRT) on San Pablo Avenue and 23rd Street, short- and mid-term improvements on UPRR commuter rail, and a BART extension from Richmond. Funding request is for project development. Cost estimates being developed but initial review shows a range from \$179 million to \$4.1 billion. Cost reflects the implementation of BRT and Express Bus on I-80 alternatives.	\$424	\$0	\$424	x	x	x			x		

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						Bridge Nexus	Regional Prosperity	Sustain-ability	State of Good Repair	Demand Management	Freight		Resiliency
8	<b>Hercules Intermodal Transit Center</b>	Remaining phases includes track and signal work, fuel and optic lines relocations, transit loop, promenade and civil plaza, landside improvements, bay trail segments.	\$97	\$21	\$76	x	x	x			x		Measure J (various): 8.8, Local: 5.1, STIP: 3.9, OBAG: 2.6, Earmark: 0.7
9	<b>Brentwood Transit Center</b>	Develop a transit center in the City of Brentwood.	\$52	\$0	\$52	x	x	x					
10	<b>Ferry Operations and Landside Improvements</b>	Provide funding for ferry operations and landside improvements in Contra Costa.	\$123	\$53	\$70	x	x	x				x	Measure J
11	<b>Pedestrian and Bicycle Projects</b>	Various pedestrian and bicycle improvements aimed to provide access to transit and improve regional trails along bridge corridors as well as improvements to facilitate transit oriented developments	\$162	\$0	\$162	x	x	x					
12	<b>Innovative Transportation Technologies</b>	Deploy new technologies to improve traffic conditions along bridge corridors and prepare for Autonomous Vehicle/Connected Vehicles	\$53	\$0	\$53	x	x			x	x		
13	<b>BART Fleet Expansion</b>	Contra Costa contribution to BART's proposed fleet expansion	\$300	\$0	\$300	x	x	x				x	
14	<b>Richmond San Rafael Bridge Congestion Relief in the WB direction</b>	Project aims to reduce congestion in the AM peak in the westbound direction at the toll plaza.	\$50	\$0	\$50	x	x						
<b>Subtotal</b>			<b>\$2,112</b>	<b>\$175</b>	<b>\$1,937</b>								

\*Combines following projects in PBA: I-680 Northbound Managed Lane Completion through 680/24 and Operational Improvements between N. Main and Treat Blvd, I-680 Transit Improvements including Express Bus Service, ITS components, and Park & Ride Lots, and I-680 Northbound HOV lane extension between N. Main and SR-242.