

3030106000—Public Works-Construction

Roads & Facilities

Kris Balaji, Public Works Director

Special Revenue Fund	2017-2018 Actual	2018-2019 Adjusted	2019-2020 Requested	2019-2020 Recommended	Increase/ (Decrease)
Expenditures					
<i>Other Charges & Uses</i>	\$0	\$650,000	\$367,000	\$367,000	(\$283,000)
<i>Public Works Project Expense</i>	29,222,943	39,976,000	43,073,000	43,073,000	3,097,000
<i>Total Expenditures</i>	\$29,222,943	\$40,626,000	\$43,440,000	\$43,440,000	\$2,814,000
<i>Expenditure Reimbursements</i>	(340,623)	(600,000)	0	0	600,000
<i>Total Appropriations</i>	\$28,882,320	\$40,026,000	\$43,440,000	\$43,440,000	\$3,414,000
Earned Revenues By Source					
<i>Fund Balance</i>	\$28,882,320	\$40,026,000	\$43,440,000	\$43,440,000	\$3,414,000
<i>Total Revenues</i>	\$28,882,320	\$40,026,000	\$43,440,000	\$43,440,000	\$3,414,000
Net County Cost	\$0	\$0	\$0	\$0	\$0

Purpose

The Public Works-Construction budget provides funding for the construction of County public roads, bridges, and related facilities. Projects financed exclusively by Road Districts and Community Development Block Grant (CDBG) funds are not included in this budget.

Program Discussion

The 2019-2020 recommended budget for Public Works-Construction totals \$43,440,000, which is an increase of \$2,814,000 from the 2018-2019 adjusted budget. Construction contracts are scheduled to be awarded for 33 projects in 2019-2020, including 14 projects with construction to be completed, 10 projects to begin construction by the end of 2019-2020, and 7 projects to be awarded late in 2019-2020. Construction expenditures for 2 multiyear bridge projects, which started construction in 2016-2017 and 2017-2018, were re-budgeted into the 2019-2020 program. In addition, 5 Right of Way projects are planned for future years.

Discretionary Federal gas tax and State sales tax revenues are projected to increase slightly in 2019-2020. These discretionary revenues support basic roadway operations and maintenance activities in addition to capital construction contracts. Overall, capital construction for 2019-2020 reflects an increase of \$3,097,000 from the 2018-2019 adjusted budget. This change is primarily due to construction of major multiyear projects including the

McHenry Avenue Corridor Improvement Project and the Woodward Island Bridge Project.

2018-2019 Construction Projects

During 2018-2019, construction contracts were awarded for 15 projects, totaling \$34.1 million, including 6 projects scheduled to complete construction in 2018-2019 and 7 projects to begin construction in 2019-2020.

Projects	No.	Cost
<i>Road Maintenance and Rehab (SB 1)</i>	8	\$6.1M
<i>Surface Transportation Program</i>	1	500,000
<i>Highway Bridge Program</i>	3	24.8M
<i>Local Transportation Fund</i>	2	1.2M
<i>Active Transportation Program</i>	1	1.5M
Total	15	\$34.1M

2019-2020 Construction Projects

The 2019-2020 program includes the re-budgeting of \$1,567,000 for the final expenditures for the McHenry project, \$4,762,000 for the third-year expenditures for the Woodward Island project, as well as five other bridge projects scheduled for construction within the Federal Highway Bridge Program.

Projects	No.	Cost
<i>Road Maintenance and Rehab (SB 1)</i>	18	\$13.9M
<i>Highway Bridge Program</i>	7	18.8M
<i>Surface Transportation Program</i>	4	4.1M

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<i>Projects</i>	<i>No.</i>	<i>Cost</i>
<i>Local Transportation Fund</i>	1	750,000
<i>Highway Safety Improvement Program</i>		
<i>High Risk Rural Roads</i>	1	1.0M
<i>Highway Users Tax Account</i>	1	1.5M
<i>Measure K Congestion Relief</i>	1	3.0M
<i>Right of Way</i>	5	367,000
Total	38	\$43.4M

Federal Programs

Surface Transportation Program (STP)

This Program is funded by a flexible block grant administered by the San Joaquin Council of Governments (SJCOG). Historically, Federal gas tax dollars have been distributed to local agencies for discretionary use on local roadways classified as Federal aid routes. The County utilizes these funds to rehabilitate local regional and inter-city roadways. The County's 2019-2020 STP budget is expected to be \$4.1 million for four resurfacing projects at El Dorado Street, French Camp Road, and West Lane (East side and West side of West Lane).

Highway Safety Improvement Program (HSIP), and High Risk Rural Roads Program

These competitive Federal Grant Programs are administered by the California Department of Transportation (Caltrans) to reduce the number and severity of traffic accidents, and to support projects that target active forms of transportation, including bicycles and pedestrians. The appropriation request for construction in 2019-2020 is \$1.0 million, which will support the construction of one HSIP roundabout project.

Highway Bridge Program (HBP) and Bridge Preventative Maintenance Program (BPMP)

Caltrans establishes Statewide lists of deficient bridges based upon inspection reports. These reports designate which bridges are eligible for replacement, rehabilitation, preventative maintenance, and erosion counter measures.

Despite the passage of the Federal Fixing America's Surface Transportation Act, which provides additional funding for local bridges over the five-year term of the Act, it did not include dedicated funding for on-system bridges. These on-system bridges are essentially forced to compete with roadway projects for the same funding. Additionally, Caltrans recently advised local agencies that the HBP is financially constrained as there are more needs than available funding. However, the County successfully secured initial funding for the preliminary engineering and environmental phases for 28 bridge projects to be

constructed over the next 10 years. Five HBP and BPMP projects, totaling \$10.1 million, will be awarded in 2019-2020. One barrier rail replacement project, one scour mitigation project, one bridge rehabilitation, and two bridge replacements will begin construction late in the year. Also included is the third and final year of funding (\$8.7 million) for two multiyear projects.

Congestion Mitigation & Air Quality (CMAQ) Improvement Program

The CMAQ Program is for those areas that do not meet the National Ambient Air Quality Standards as well as former non-attainment areas that are now in compliance. The formula for fund distribution considers an area's population by county and the severity of its ozone and carbon monoxide problems, with greater weight given to areas that have not attained both carbon monoxide and ozone standards. CMAQ funds are competitively allocated by SJCOG and are directed to transportation projects and programs, which reduce emissions and mitigate congestion. While not included in the 2019-2020 Construction budget, Public Works was successful in obtaining \$3.2 million of CMAQ funds for two roundabout projects on Jack Tone Road and State Routes 4 and 26 that are expected to begin construction in 2020-2021.

State Programs

Highway Users Tax Account (HUTA)

HUTA funds are derived from State fuel excise taxes to support research, planning, construction, maintenance, and operation of public streets and highways. The County's share is determined by funding formulas based on proportions of registered vehicles and maintained road mileage. The appropriation request for construction in 2019-2020 is \$1.5 million, of which \$1.0 million will support the construction of one new HUTA project with the balance to provide local match for other Federally-funded projects.

Road Maintenance and Rehabilitation Account (RMRA) - Senate Bill (SB) 1

The RMRA was established in the State Transportation Fund by SB 1. SB 1 is a transportation funding bill signed by the Governor on April 28, 2017, for the purpose of addressing deferred maintenance on the State highway system and the local street and road systems. RMRA funds are generated by a series of increases in fuel and vehicle taxes and fees to support research, planning, construction maintenance, and operation of public streets and highways. Similar to HUTA, the County's share is determined by funding formulas based on the number of registered vehicles and maintained road mileage. The appropriation request for construction in 2019-

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2020 is \$13.9 million, which will support the construction of 18 new RMRA projects.

Local Transportation Fund (LTF)

LTF revenues are derived from one-quarter cent of the retail sales tax collected Statewide. Regional revenues are distributed based on population and managed by the SJCOG. Other than a small portion allocated for bike and pedestrian needs, the County's allocation of new LTF funds ended in 2016-2017, due to the redistribution to the San Joaquin Regional Transit District. Unused funds from previous year's allocations in the amount of \$750,000 are available for accessibility improvements. The Sidewalk Accessibility Improvements project will utilize the remaining funds in 2019-2020.

Active Transportation Program (ATP)

The ATP was created to encourage increased use of active modes of transportation, such as walking and biking. The ATP consolidated various State and Federal transportation programs, including the Transportation Alternatives Program, Bicycle Transportation Account, and State Safe Routes to Schools, into a single competitive program with a focus to make California a national leader in active transportation. While not included in the 2019-2020 Construction budget, Public Works has been successful in obtaining a competitive grant in the amount of \$1.4 million

for the Oro Avenue and Section Avenue Sidewalk Improvements project, which will be constructed in 2020-2021.

Local Programs

Measure K— Local Street Repair (MKLSR)

Measure K funds are used as local match for Federal and State-funded projects, as well as ongoing road maintenance needs. The Measure K Program was renewed by voters in 2006, and does not sunset until 2041. Under the Program, 30% of the total funding is designated for MKLSR road resurfacing/rehabilitation of which 5% must be used for MKLSR safety needs. Measure K funds will be utilized in 2019-2020 to provide local match for the Federal funding of other projects.

Measure K— Congestion Relief Program (MKCR)

MKCR funds are designated for County roadway improvement projects specified in Measure K that provide capacity-enhancing features, additional travel lanes, signalization, and channelization. One new MKCR project totaling \$3.0 million will be awarded in 2019-2020, utilizing cost savings from the construction of the Lower Sacramento Road Improvements project which was completed in 2016-2017. SJCOG has stated that no additional MKCR funds will be available until 2021.