

Appendix A

Local Streets and Roads Project List

As required by the Road Repair and Accountability Act of 2017 – Local Streets and Roads Funding, Road Maintenance and Rehabilitation Account (RMRA)

General Information

Name: Unincorporated Contra Costa County

Point of Contact:

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Legislative Districts:

- Senate – 3, 7, 9
- Assembly – 11, 14, 15, 16

Jurisdiction's Average Network PCI and date/year of measurement:

- County Average PCI = 71 (as of September 2018)

Fiscal Year (FY): 2019/2020

Rationale for Project List Selection for FY 2019/2020 RMRA allocation

Staff has developed a recommended list of projects for the Transportation Water and Infrastructure Committee (TWIC) and the Board of Supervisors to consider for submitting to the Commission.

The following criteria will be used by staff when developing the current and future project lists for RMRA funds:

- Eligibility criteria for RMRA funds
- Emergency storm damage projects that exceeded existing road fund revenue capacity
- Maintenance and rehabilitation priorities
- Roadway safety
- Expiring grants where local funds are necessary to complete the funding package
- Geographic equity
- Projects where expenditures had already occurred for design of the project and had been shelved due to declining gas tax revenues
- Multi-modal benefits in accordance with the Board of Supervisor's Complete Streets policy
- Positive impact to Road Program performance metrics
- Clearing the queue of delayed projects that were a result of declining gas tax revenues
- Meeting customer expectations

The County will receive about \$39.3 million in total transportation funding in FY 2019/2020 from SB1, with approximately \$14.2 million of that amount from the RMRA program. The County currently uses the majority of the Gas Tax funds towards public roadway maintenance and repair for approximately 660 miles of the roadway network in the unincorporated areas of Contra Costa County to ensure a safe and convenient public travel in a variety of modes: driving, walking and bicycling. These funds are also used to improve traffic safety throughout the County by using it as the local match to leverage funds from state and federal grant programs.

In FY 2019/2020 it is proposed to designate the majority of the RMRA funds for maintenance activities. The range of proposed projects in future years is expected to broaden as the amount of RMRA funds increases. It should be noted that project list below is a small subset of projects in overall road program and only focuses on how the RMRA funds will be expended as required by the Commission.

PROPOSED PROJECTS (Total RMRA = \$14.2 million)

Proposed Project No. 1: Road Drainage Maintenance (RMRA = \$1.15 million)- Countywide

Description:

- **Ditch Cleaning** – This routine maintenance item is to perform drainage ditch cleaning to remove debris and vegetation which may obstruct the passage of stormwater and cause local flooding. (RMRA = \$300,000) County Project No.: 0672-6U2303
- **Clean Catch Basin** – This routine maintenance item is to perform cleaning of sediment and prevent obstructions of catch basins (drainage inlets) and related pipe systems. The county has over twenty thousand catch basins throughout the unincorporated portions of the County. (RMRA = \$550,000) County Project No.: 0672-6U2308
- **Inspect Catch Basin** – This routine maintenance item is to perform inspections of catch basins and associated systems. This includes a visual inspection of the drainage inlet and any clean water inserts. Follow-up video inspections may be required for deeper inlets and/or suspected structural issue concerning the inlets. (RMRA = \$300,000) County Project No.: 0672-6U2316
- RMRA Priority: Road Maintenance and Rehabilitation

Location:

- Countywide

Proposed Schedule for Completion:

- Anticipated construction year – 2019

Estimated Useful Life:

- 15 - 40 years (ditch – dirt roadway to concrete V-ditch)
- 40 years (concrete structures)

Proposed Project No.2: Traffic Safety Devices Maintenance (RMRA = \$700,000) - Countywide

Description:

- **Traffic Signing** – This routine maintenance item is to perform sign repair, replacement, and installation along the unincorporated County roadways. (RMRA = \$350,000) County Project No.: 0672-6U2504
- **Traffic Striping** – This routine maintenance item is to perform new painting, routine painting and replacement of pavement striping along the unincorporated County roadways to enhance public safety. (RMRA = \$350,000) County Project No.: 0672-6U2505
- RMRA Priority: Road Maintenance and Rehabilitation

Location:

- Countywide

Proposed Schedule for Completion:

- Anticipated construction year – 2018

Estimated Useful Life:

- 10 years (roadway signage)
- 2 - 4 years (roadway striping - thermoplastic)

Proposed Project No. 3: Pavement Repairs and Preparation (RMRA = \$4.5 million)- Countywide

Description:

- **Pot Hole Patching** – This routine maintenance item is to perform spot pavement repairs of pot holes along the unincorporated County roadways to eliminate surface hazards. (RMRA = \$500,000) County Project No.: 0672-6U2101
- **Pavement Fabric Patching** – This routine maintenance item is to perform pavement fabric patching along the unincorporated County roadways to correct minor pavement defects and prevent further cracking. An area of existing damaged asphalt will be removed and excavated to allow a fabric patch to be placed. The roadway base will be compacted and leveled to support the new fabric layer and asphalt layer. (RMRA = \$500,000) County Project No.: 0672-6U2102
- **Pavement Failure Repair - Backhoe** – This routine maintenance item is to conduct pavement failure repair along the unincorporated County roadways. This task requires the removal of a larger area of cracked or damaged pavement with a backhoe. The roadway base will be compacted and overlaid with new asphalt. (RMRA = \$600,000) County Project No.: 0672-6U2103
- **Pull Box Paving** – This is a roadway paving operation to place asphalt on localized roadway depressions to provide a smooth riding surface for the motorized public along the unincorporated County roadways. (RMRA = \$625,000) County Project No.: 0672-6U2104
- **Hand Patching** – This is similar to pot hole patching to conduct spot pavement repairs along unincorporated County roadway, but on a smaller scale. (RMRA = \$600,000) County Project No.: 0672-6U2105

- **Crack Sealing** – This pavement preservation task is to seal cracks in the roadway. Cracks are typically filled in to seal the roadway structural section from water penetration. The goal is to prolong the service life of the pavement and/or prepare the roadway surface for an overlay. (RMRA = \$700,000) County Project No.: 0672-6U2106
- **Leveling** – This task is associated with leveling of large settlements, depressions, surface irregularities and recent large pavement repairs. This is to provide a smooth riding surface for the motorized public along unincorporated County roadways. (RMRA = \$475,000) County Project No.: 0672-6U2107
- **Pavement Failure Repair – Grinder** – This task is to remove badly cracked or broken pavement. The roadway is then replaced with new asphalt and roadway base rock. This task supports pavement preservation operations and also extends the service life of the roadway pavement. (RMRA = \$500,000) County Project No.: 0672-6U2123
- RMRA Priority: Road Maintenance and Rehabilitation

Location:

- Countywide

Proposed Schedule for Completion:

- Anticipated construction year – 2018

Estimated Useful Life:

- 7 years (pavement surface treatment)

Proposed Project No. 4: County-Wide Surface Treatments (RMRA = \$4.50 million)

Countywide:

- **Single Chip Seal Project (2019)** – This project will apply a single chip seal to various roads as a pavement preservation project in the unincorporated Contra Costa County. Work will also include surface preparation and pavement striping and markings. (RMRA = \$700,000) County Project No. 0672-6U2181
- **Double Chip Seal Project (2019)** – This project will apply a double chip seal to various roads as a pavement preservation project in the unincorporated Contra Costa County. Work will also include surface preparation and pavement striping and markings. (RMRA = \$800,000) County Project No. 0672-6U2182
- **Microsurface Project (2019)** – This project will apply a microsurface seal to Pleasant Hill Road and Taylor Boulevard in the unincorporated area of Martinez and Lafayette area. Work will also include surface preparation and pavement striping and markings. (RMRA = \$500,000) County Project No. 0672-6U2183
- **Asphalt Rubber Cape Seal Project (2019)** - The project will apply an asphalt rubber chip seal covered with a type II slurry seal to various roadways in the Bay View (19 streets), Montalvin (18 streets), and unincorporated Lafayette and Martinez (67 streets), Work will also include surface preparation and pavement striping and markings. (RMRA = \$2,500,000) County Project No. 0672-6U2184
- RMRA Priority: Road Maintenance and Rehabilitation

Location:

- Countywide (Bay Point and Central County)

Proposed Schedule for Completion:

- Anticipated construction year – 2018

Estimated Useful Life:

7 years (pavement surface treatment)

Proposed Project No. 5: Kirker Pass Road Northbound Truck Lanes (\$3.35 million)

- The project consists of pavement widening for a truck climbing lane with 8 foot paved shoulders; relocation of HMA dike, concrete ditches, and other drainage features; retaining wall construction; installation of signage and striping; construction of two C.3 bioretention areas; relocation of existing roadside features, and pavement rehabilitation on Kirker Pass Road which consists of 0.1 foot grind and overlay of open grade rubberized hot mix asphalt (HMA). There are significant roadway conformances at Hess Road due to change in grade
- RMRA Priority: Roadway Safety, Road Maintenance and Rehabilitation

Location:

- Kirker Pass Road from Concord Pavilion to about 4,200 feet north of North Hess Road

Proposed Schedule for Completion:

- Construction year – 2019-2020

Estimated Useful Life:

- 40 years (roadway widening)
- 15 years (pavement surface treatment)

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