

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 = 72 (as of March 2021)

Fiscal Year (FY): 2021/2022

Rationale for Project List Selection for FY 2021/2022 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 submitting to the California Transportation Commission (CTC).

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

- Eligibility criteria for RMRA funds as shown in the text of Senate Bill 1 (SB1).
- 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
- Multi-modal benefits in accordance with the Board of Supervisor's Complete Streets policy
- Positive impact to Road Program performance metrics
- Meeting customer expectations

The County currently uses the majority of the total gas tax funds received 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.

The California State Association of Counties (CSAC) annually provides an estimate of the total funds the County can expect from gas tax revenue, including the total estimated amount for RMRA program funds from SB1. In January, CSAC estimated the County will receive about \$41.4 million in total transportation funding in FY 2021/2022, which is almost double what the County received prior to 2017. Approximately \$16.7 million of that amount is from the RMRA program, which is reported below. The January 2021 estimate is the most current and factors in the impacts due to COVID.

In FY 2021/2022 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.

PROPOSED PROJECTS (Total RMRA = \$16,700,000)

Proposed Project No. 1: Road Drainage Maintenance (RMRA = \$1,400,000)- 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
- **Flush Culvert** – This routine maintenance item is to perform work associated with the cleaning of culverts by flushing with water and removing debris to ensure proper drainage and reduce flooding (RMRA = \$250,000) County Project No.: 0672-6U2306
- **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 thousands of catch basins throughout the unincorporated areas. (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 – 2022

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 = \$1,500,000) - Countywide

Description:

- **Traffic Signing** – This routine maintenance item is to perform sign repair, replacement, and installation along the roadway. (RMRA = \$450,000) 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 roadway to enhance public safety. (RMRA = \$350,000) County Project No.: 0672-6U2505
- **Paint Pavement Marking** – This routine maintenance item is to perform all work associated with new painting, routine painting, and replacement of existing pavement markings along the roadway. (RMRA = \$200,000) County Project No.: 0672-6U2506
- **Inspect & Maintain Guardrails** – This routine maintenance item is to perform all work associated with the annual/periodic inspection and maintenance of County-maintained guardrails, which includes inspection of condition, tightening of nuts and bolts, and other adjustments to ensure that the guardrails perform as designed (RMRA = \$100,000) County Project No.: 0672-6U2527
- **Thermoplastic Pavement Markings** – This routine maintenance item is to perform all work associated with the new application, routine maintenance, and replacement of existing thermoplastic pavement markings. (RMRA = \$100,000) County Project No.: 0672-6U2537
- **Safety Lighting** – This routine maintenance item is to perform the repair, installation, and replacement of County-maintained safety lighting. (RMRA = \$100,000) County Project No.: 0672-6U2801
- **Signals and Flashers** – This routine maintenance item is to perform the repair, installation, and replacement of County-maintained safety lighting. (RMRA = \$200,000) County Project No.: 0672-6U2802

RMRA Priority:

- Road Maintenance and Rehabilitation

Location:

- Countywide

Proposed Schedule for Completion:

- Anticipated construction year – 2022

Estimated Useful Life:

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

Proposed Project No. 3: Pavement Repairs and Preparation (RMRA = \$2,022,000- Countywide)

Description:

- **Pot Hole Patching** – This routine maintenance item is to perform spot pavement repairs of pot holes along the roadway to eliminate surface hazards. (RMRA = \$200,000) County Project No.: 0672-6U2101

- **Pavement Fabric Patching** – This routine maintenance item is to perform pavement fabric patching along the roadway 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 = \$200,000) County Project No.: 0672-6U2102
- **Pavement Failure Repair - Backhoe** – This routine maintenance item is to conduct pavement failure repair along the roadway. 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 = \$300,000) 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 roadways. (RMRA = \$325,000) County Project No.: 0672-6U2104
- **Hand Patching** – This is similar to pot hole patching to conduct spot pavement repairs along the roadway, but on a smaller scale. (RMRA = \$300,000) 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 = \$300,000) 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.. (RMRA = \$225,000) County Project No.: 0672-6U2107
- **Grinder Follow-up Paving** – This routine maintenance item is to place a thin layer of bituminous premixed material on localized settlements and base failure repairs as a follow up to the grinding operation in order to provide a smooth riding surface. (RMRA = \$80,000) County Project No.: 0672-6U2115
- **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 = \$92,000) County Project No.: 0672-6U2123

RMRA Priority:

- Road Maintenance and Rehabilitation

Location:

- Countywide

Proposed Schedule for Completion:

- Anticipated construction year – 2022

Estimated Useful Life:

- 7 years (pavement surface treatment)

Proposed Project No. 4: Countywide Surface Treatments

Proposed Project No. 4A: Countywide Surface Treatment Project (2021) (Total Cost = \$8,070,000; RMRA = \$7,892,000)

Description:

- **Countywide Surface Treatment Project (2021)** This project will apply an asphalt rubber chip seal covered with a type II slurry seal to various roads as a pavement preservation project in the unincorporated Contra Costa County. Work will also include preparation and pavement striping and markings. (Total Project Cost – \$8,070,000; RMRA Cost – \$7,892,000) County Project number 0672-6U2151.

RMRA Priority:

- Road Maintenance and Rehabilitation

Location:

- Countywide (El Sobrante - 2 streets, North Richmond - 33 streets, Castle Hill (Alamo/Walnut Creek) - 25 streets, Alamo - 113 streets, Clyde - 17 streets, Unincorporated Concord - 9 streets)

Proposed Schedule for Completion:

- Anticipated construction year – 2021

Estimated Useful Life:

- 7 years (pavement surface treatment)

Proposed Project No. 4B: Countywide Chip Seal Projects – (RMRA = \$2,500,000)

Description:

- **Single Chip Seal Project (2021)** – This project will apply a single chip seal to various roads as a pavement preservation project. Work will also include surface preparation and pavement striping and markings. (RMRA = \$500,000) County Project No. 0672-6U2153
- **Double Chip Seal Project (2021)** – This project will apply a double chip seal to various roads as a pavement preservation project. Work will also include surface preparation and pavement striping and markings. (RMRA = \$2,000,000) County Project No. 0672-6U2152

RMRA Priority:

- Road Maintenance and Rehabilitation

Location:

- Countywide (Bay Point - 8 streets, Bethel Island - 12 streets, Clyde - 1 street, North Richmond - 5 streets)

Proposed Schedule for Completion:

- Anticipated construction year – 2021

Estimated Useful Life:

- 7 years (pavement surface treatment)

Proposed Project No. 5: Curb Ramp Project (\$1,386,000)

- The project consists of all the work associated with constructing curb ramps at various intersections throughout unincorporated Contra Costa County in advance of the surface treatment project described above, including design, right-of-way acquisition, and construction. (RMRA = \$1,386) County Project No. 0672-6U4000

RMRA Priority:

- Roadway Safety, Road Maintenance and Rehabilitation

Location:

- Countywide (Alamo - 54 ramps, North Richmond - 126 ramps, Clyde - 39 ramps, Unincorporated Concord - 4 ramps)

Proposed Schedule for Completion:

- Construction year – 2021

Estimated Useful Life:

- 40 years (concrete work)

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