

# 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:

Nancy Wein  
Senior Civil Engineer  
Contra Costa County Public Works Department  
255 Glacier Drive  
Martinez, CA 94553  
(925) 313-2275  
Nancy.Wein@pw.cccounty.us

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): 2022/2023

### **Rationale for Project List Selection for FY 2022/2023 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 of over 660 miles of the roadway network in the unincorporated areas 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 \$46.3 million in total transportation funding in FY 2022/2023, which is almost double, what the County received prior to 2017. Approximately \$19.1 million of that amount is from the RMRA program, which is reported below.

In FY 2022/2023 it is proposed to designate all 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 = \$19,085,000)**

### **Proposed Project No. 1: Road Drainage Maintenance (RMRA = \$1,678,100)- Countywide**

Description:

- **Ditch Cleaning** – This routine item is to perform drainage ditch cleaning to remove debris and vegetation, which may obstruct the passage of storm water and cause local flooding. (RMRA = \$550,000) County Project No.: 0672-6U2303
- **Flush Culvert** – This routine 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 = \$500,000) County Project No.: 0672-6U2306
- **Clean Catch Basin** – This routine 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 = \$328,100) County Project No.: 0672-6U2308
- **Inspect Catch Basin** – This routine 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 – FY22/23

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 = \$1,600,000) - Countywide**

### Description:

- **Traffic Signing** – This routine item is to perform sign repair, replacement, and installation along the roadway. (RMRA = \$450,000) County Project No.: 0672-6U2504
- **Traffic Striping** – This routine 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 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 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 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 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 item is to perform the repair, installation, and replacement of County-maintained signals and flasher. (RMRA = \$300,000) County Project No.: 0672-6U2802

### RMRA Priority:

- Road Maintenance and Rehabilitation

### Location:

- Countywide

### Proposed Schedule for Completion:

- Anticipated construction year – FY22/23

### Estimated Useful Life:

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

## **Proposed Project No. 3: General Housekeeping (RMRA = \$2,810,000) – Countywide**

### Description:

- **Machine Sweeping** - This routine item is machine sweep areas around traffic islands, intersections, bike lanes, curbs and bridge desk. (RMRA = \$200,000), County Project No.: 0672-6U2301

- **Tree Trimming** – This routine item involves removing tree branches from the County right of way around street name signs, and anything blocking roadway and pedestrian areas. (RMRA = \$600,000) County Project No.: 0672-6U2302
- **Debris Pickup** – This routine maintenance item is to remove debris, litter and nonhazardous materials within right of way. (RMRA = \$510,000) County Project No.: 0672-6U230
- **Litter Pickup (West, Central and East)** – This work includes pick up of litter within road right of way (RMRA = \$600,000) County Project Nos.: 0672-6U2309, 2420 and 2411)
- **Weed Spray** – This routine item includes all work associated with an integrated pest management program by applying chemical herbicides to road shoulders, road ditches and access roads to control growth of vegetation for reduction of fire and sign obstruction hazards. (RMRA = \$350,000) County Project No.: 0672 – 6U2501
- **Road Median Landscape Maintenance** – This routine item includes all work associated with maintaining median island within right of way to provide a pleasing aesthetic appearance by keeping island weed free and ensure all plants are pruned on a regular basis. (RMRA = \$150,000) County Project No.: 06726U2811
- **Tree Removal** - This item is to remove trees within right of way on an as-needed basis. (RMRA = \$200,000) County Project No.: 0672-6U2814
- **MRP 2.0 Compliance: Street sweeping:** This item is to machine sweep roadway to ensure compliance with the Municipal Regional Permit issued by the California Regional Water Quality Control Board. (RMRA = \$200,000) County Project No.: 0672-6U2319

Proposed Schedule for Completion: FY22/23

#### **Proposed Project No. 4: Structure Maintenance (RMRA = \$1,500,000) – Countywide**

Description

- **Bridge Repair** – This routine item is the repair of existing bridges to restore rails and surfaces. (RMRA = \$225,000) County Project No.: 06726U2507
- **Repair/Replace Curbs & Sidewalks** – This routine item includes all work associated with the removal of badly cracked or broken sidewalk sections such as limited access areas, around drainage structures, islands or County property. This is performed only when sidewalks become badly cracked, broken or displaced. The curb, gutter and sidewalk areas are the property owners responsibility. (RMRA= \$200,000) County Project No.: 0672-6U202
- **Repair/Replace Culverts** – All routine work associated with the repair and replacement of culvert and drainage facilities that are collapsed, rusted out, nonstandard or damaged. (RMRA = \$500,000) County Project No.: 0672 – 6U2512
- **Repair/Replace Retaining Walls** – All routine work associated with the repair or replacement of damaged or deteriorated sections of retaining walls. (RMRA = \$75,000) County Project No.: 0672 -6U2514

- **Repair Drainage Structure** – All routine work associated with repair and revamping of existing drainage structures. This is done to restore the facility to original condition. (RMRA = \$100,000) County Project No.: 0672 – 6U2545
- **Repair Minor Landslides** – All routine work to restore roadway due to minor landslide. (RMRA = \$300,000) County Project No.: 0672 – 6U2546
- **Repair/Replace Fence** – This routine maintenance item is to repair or replace chainlink, wire, cable, and wood fencing including gates on roads. (RMRA = \$100,000) County Project No.: 0672 – 6U2547

Proposed Schedule for Completion: Fy22/23

### **Proposed Project No. 5: Road Shoulder Maintenance (RMRA \$1,270,000) – Countywide**

#### Description

- **Spot Shoulder Repair** – This routine item is to perform isolated shoulder repair such as drop offs or rutting. Work is performed where shoulder section has a drop off of 1.25” or more as a result of traffic or loss of material. (RMRA = \$400,000) County Project No.: 0672 – 6U2201
- **Major Shoulder Repair** – The routine item involves rehabilitating continuous sections of roadway shoulders by adding fill material, reshaping and compacting to replace extensive shoulder material lost over a period of time. (RMRA = \$150,000) County Project No.: 0672 – 6U2202
- **Reshaping Shoulder** – This routine item involves all work associated with grading and reshaping shoulders adding minimal material to correct pavement edge drop offs, rutting of shoulders, buildup of material and excessive weed growth to ensure a roadside surface with proper drainage. (RMRA = \$270,000) County Project No.: 0672 – 6U2203
- **Embankment Grading** – The routine item involves grading of the roadway embankment to restore to original condition when damaged. (RMRA = \$100,000) County Project No. 0672 – 6U2204
- **Erosion Control** – This routine item includes placing erosion control along edges roadway to prevent future erosion due to storm water runoff. (RMRA = \$100,000) County Project No.: 0672 – 6U2206
- **Cut Bench Maintenance** – This routine item is to perform grading and maintenance of benches, associated access points and adjacent ditches to restore proper line and grade. Repair damaged surface and isolated low spots by replacing, spreading, shaping and compacting of aggregate base and fill material. (RMRA = \$150,000) County Project No.: 0672 – 6U2813
- **Slide Material Removal** – This routine item is to remove material along the roadway due to a slide. (RMRA = \$100,000) County Project No.: 0672 – 6U2205

Proposed Schedule for Completion: FY22/23

### **Proposed Project No. 6 – Miscellaneous Operations (RMRA \$1,030,500) – Countywide**

#### Description

- **Road Patrol** – This routine item involves all work associated with hand cutting, removing and disposing of roadside and pedestrian walkway brush, tree branches and limbs to restore sight distances, eliminate traffic hazards and remove undesirable vegetation. (RMRA = \$150,000) County Project No.: 0672 – 6U2305
- **Other General Maintenance** – This item includes all routine work for activities not defined elsewhere. (RMRA = \$300,000) County Project No.: 0672 - 6U2021
- **R/W Mowing** – This routine item includes all work associated with machine mowing, hand abatement, and/or spraying of right of way or County parcels. (RMRA = \$100,000) County Project No.: 0672 – 6U2402
- **Emergency Response/Standby** – All work associated with assisting California Highway Patrol or the County Sherriff offices in traffic control due to an unknown spill or police action. (RMRA = \$70,500) County Project No.: 0672 – 6U2404
- **Equipment Transport** – This item is the labor and equipment cost for transporting equipment in support of Maintenance programs. (RMRA = \$110,000) County Project No.: 0672 – 6U2406
- **Graffiti Removal** – This routine work involves the removal or painting over of graffiti on County maintained fences, signs and streets. (RMRA = \$100,000) County Project No.: 0672 – 6U2414

Proposed Schedule for Completion: FY22/23

### **Proposed Project No. 7: Pavement Repairs and Preparation (RMRA = \$2,472,000) - 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 = \$250,000) 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 = \$550,000) 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 = \$250,000) 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 = \$300,000) 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 = \$350,000) 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 = \$300,000) 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 – FY22/23

Estimated Useful Life:

- 7 years (pavement surface treatment)

### **Proposed Project No. 8: Countywide Surface Treatments (TOTAL COST = \$6,925,000)**

Proposed Project No. 8A: Countywide Surface Treatment Project (2022) (RMRA = \$4,700,000)

Description:

- **Countywide Surface Treatment Project (2022)** - This project will apply an asphalt rubber cape seal, slurry seal or microsurface to 87 lane miles of roadways in the Bay Point and Contra Costa Centre areas. Work will also include preparation and pavement striping and markings. (RMRA = 4,500,000) County Project number 0672-6U2112.

RMRA Priority:

- Road Maintenance and Rehabilitation

Location:

- Countywide (Bay Point – 104 streets, Contra Costa Centre – 31 streets)

Proposed Schedule for Completion:

- Anticipated construction year – 2022

Estimated Useful Life:

- 7 years (pavement surface treatment)

Proposed Project No. 8B: Countywide Chip Seal Projects – (RMRA = \$2,225,000)

Description:

- **Single Chip Seal Project (2022)** – 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 = \$425,000) County Project No. 0672-6U2111
- **Double Chip Seal Project (2022)** – 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 = \$1,800,000) County Project No. 0672-6U2113

RMRA Priority:

- Road Maintenance and Rehabilitation

Location:

- Countywide (Pacheco - 13 streets, Unincorporated Orinda - 3 streets, Unincorporated El Sobrante – 4 streets)

Proposed Schedule for Completion:

- Anticipated construction year – 2022

Estimated Useful Life:

- 7 years (pavement surface treatment)

NW:CS:xx

G:\transeng\BUDGET\RMRA\FY22-23\05-09-22 - TWIC - SB1\_RMRA project list approval FY 21-22 Appendix A cs.docx