



**Contra  
Costa  
County**

To: Board of Supervisors  
From: Brian M. Balbas, Public Works Director/Chief Engineer  
Date: June 8, 2021

Subject: Fiscal Year 2021/22 Road Maintenance and Rehabilitation Account Project List for Unincorporated Contra Costa County.

**RECOMMENDATION(S):**

ADOPT Resolution No. 2021/174 approving a list of projects for Fiscal Year 2021/22 funded by Senate Bill 1 (SB1): The Road Repair and Accountability Act of 2017, Road Maintenance and Rehabilitation Account funds, as recommended by the Transportation Infrastructure and Water Committee, and DIRECT staff to submit the list to the California Transportation Commission. (All Districts)

**FISCAL IMPACT:**

100% allocation to the Road Fund from Road Maintenance and Rehabilitation Account program under Senate Bill 1 (SB1) in the approximate amount of \$16.7 million.

**BACKGROUND:**

California cities and counties are seeing a significant influx of new revenue to invest in the local street and road system from Senate Bill 1 (Beall and Frazier), a landmark transportation funding package that was signed by Governor Brown on April 28, 2017. This measure was in response to California's significant funding shortfall to maintain the state's multimodal transportation network.

☒ APPROVE

☐ OTHER

☒ RECOMMENDATION OF CNTY ADMINISTRATOR ☐ RECOMMENDATION OF BOARD COMMITTEE

Action of Board On: **06/08/2021** ☒ APPROVED AS RECOMMENDED ☐ OTHER

Clerks Notes:

**VOTE OF SUPERVISORS**

AYE: John Gioia, District I Supervisor  
Candace Andersen, District II Supervisor  
Diane Burgis, District III Supervisor  
Karen Mitchoff, District IV Supervisor  
Federal D. Glover, District V Supervisor

I hereby certify that this is a true and correct copy of an action taken and entered on the minutes of the Board of Supervisors on the date shown.

ATTESTED: June 8, 2021

Monica Nino, County Administrator and Clerk of the Board of Supervisors

By: Stacey M. Boyd, Deputy

Contact: Nancy Wein,  
925.313.2275

cc:

SB1 increased several taxes and fees to raise over \$5 billion annually in new transportation revenues. SB1 also includes inflationary adjustments in the revenue to local agencies so that the purchasing power of the funds does not decrease as it has in the past.

## BACKGROUND: (CONT'D)

SB1 prioritizes funding towards maintenance, rehabilitation and safety improvements on state highways, local streets and roads, and bridges and to improve the state's trade corridors, transit, and active transportation facilities.

SB1 Funds were available to cities and counties starting in FY 2017/2018 and are comprised of two parts - an increase in the annual gas tax revenue that local agencies have historically been receiving and a new funding source called Road Maintenance and Rehabilitation Account (RMRA) program funds. The California State Association of Counties (CSAC) annually provides an estimate of the total gas tax revenues the County can expect to see from transportation bill, including the total estimated revenue from RMRA program funds. CSAC estimates the County will receive about \$41.4 million in total transportation funding for FY 2021/2022 from SB1, approximately double what the County received just a few years ago. About \$16.7 million of that amount is from the RMRA program. This amount will continue to grow in future years with the built-in inflationary index.

SB1 emphasizes the importance of accountability and transparency in the delivery of California's transportation programs. Therefore, in order to be eligible for RMRA funding, state statute requires cities and counties to provide basic RMRA project reporting to the California Transportation Commission (CTC).

Prior to receiving an apportionment of RMRA funds from the State Controller in a fiscal year, a city or county must submit to the CTC a list of projects proposed to be funded with these funds. All projects proposed to receive funding must be reviewed and approved by the applicable city council or county board of supervisors at a public meeting.

The list of projects must include a description and location of each proposed project, a proposed schedule for the project's completion, and the estimated useful life of the improvement. The project list does not limit the flexibility of an eligible city or county to fund projects in accordance with local needs and priorities so long as the projects are consistent with RMRA priorities as outlined in the applicable code sections. Some example projects and uses for RMRA funding include, but are not limited to the following:

- Road Maintenance and Rehabilitation
- Safety Projects
- Railroad Grade Separations
- Complete Streets Components (including active transportation purposes, pedestrian and bicycle safety projects, transit facilities, and drainage and stormwater capture projects in conjunction with any other allowable project)
- Traffic Control Devices

Streets and Highways Code Section 2030(b)(2) states that funds made available by the

program may also be used to satisfy a match requirement in order to obtain state or federal funds for projects authorized by this subdivision.

Staff has developed a recommended list of projects the Board of Supervisors to consider for submitting to CTC.

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

With the passage of SB1, the County will now receive about \$41.4 million in total transportation funding in FY 2021/22, with approximately \$16.7 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.

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

#### **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: 2021 Curb Ramp Project -- (Total Cost = \$1,764,000; RMRA = \$1,386,000)**

**Description:**

- 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 = \$1,386,000) 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)

With the annual reporting requirement, the Department will begin strategizing how the County can allocate the new funding to achieve the Road Program's mission and improve the program's key performance metrics for safety, efficiency, reliability and accessibility.

**CONSEQUENCE OF NEGATIVE ACTION:**

If a project list is not approved by the Board of Supervisors and submitted to the CTC by the July 1, 2021 deadline, the County will not be eligible to receive its portion of RMRA funds and the projects listed above will not be constructed.

**ATTACHMENTS**

Resolution No. 2021/174