



**Contra
Costa
County**

To: Board of Supervisors
From: Brian M. Balbas, Public Works Director/Chief Engineer
Date: June 21, 2022

Subject: Fiscal Year 2022/23 Road Maintenance and Rehabilitation Account Project List for Unincorporated Contra Costa County.

RECOMMENDATION(S):

ADOPT Resolution No. 2022/225 approving a list of projects for Fiscal Year 2022/23 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, Water and Infrastructure 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 \$19.1 million.

BACKGROUND:

California cities and counties are seeing a significant influx of new revenue to invest in the local road system from Senate Bill 1 (Beall and Frazier), a landmark transportation funding package that was signed by Governor Brown in 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: **06/21/2022** ☒ 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 21, 2022

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. 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 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 \$46.3 million in total transportation funding for FY 2022/2023 from SB1, approximately double what the County received just a few years ago. About \$19.1 million of that amount is from the RMRA program. This amount will continue to grow in future years with the built-in inflationary index.

BACKGROUND: (CONT'D)

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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, the 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 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 \$46.3 million in total transportation funding in FY 2022/23, with approximately \$19.1 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 = \$19,085,600)

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 deck. (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.: 0672-6U2304
- **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.: 0672-6U2811
- **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.: 0672-6U2507
- **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.: 0672-6U2511
- **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 or 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 \$830,500) – 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 = \$4,700,000) 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)

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.

ATTACHMENTS

Resolution No. 2022/225