



# Memorandum

**TO:** HONORABLE MAYOR  
AND CITY COUNCIL

**FROM:** John Ristow

**SUBJECT:** 2021 BRIDGE DECK  
TREATMENT PROJECT (BIC 2-2)

**DATE:** July 19, 2021

Approved

Date

7/27/2021

## RECOMMENDATION

Approve award of a construction contract for the 2021 Bridge Deck Treatment Project (BIC 2-2), to the low bidder, American Civil Constructors West Coast LLC, Inc. in the amount of \$922,912 and approve an approximate 10% contingency in the amount of \$92,300.

## OUTCOME

Approval of this construction contract will maintain bridge deck surfaces on 15 bridges to preserve the integrity of the structures. Approval of an approximate 10% contingency will provide funding for unanticipated work necessary for the proper construction and completion of the project.

## BACKGROUND

The Department of Transportation maintains 245 bridges citywide and annually performs routine inspection, cyclic preventative maintenance and condition-based corrective maintenance on its bridges. In 2018, voters of San José passed ballot Measure T - The Disaster Preparedness, Public Safety and Infrastructure Bond with over 70% support. The Measure T Program allocates \$20 million for City-owned bridges that are designated as structurally deficient, which could be vulnerable in an earthquake or other disaster. In order to address as many bridge projects as possible, Staff is implementing a delivery strategy aimed at leveraging multiple funding opportunities such as Measure T and the Highway Bridge Program (HBP) federal-aid funding which consists of Bridge Investment Credits (BIC).

Staff programmed 45 BIC eligible bridges to be structurally preserved or rehabilitated as part of four projects. The first two projects consisted of 27 bridges and were completed in June and November of 2020. The third project consists of 15 bridges and is the subject of this memo. The fourth project will include the remaining 3 bridges and is currently in design. These projects are

expected to accumulate approximately \$3 million in BIC credits which will be distributed back, as the local match, into future prioritized bridge projects utilizing HBP grants along with Measure T funds.

The 2021 Bridge Deck Treatment Project (BIC 2-2) is the subject of this memo and consists of 15 bridges to receive maintenance. The scope of work includes cleaning the existing bridge decks, placing methacrylate (sealing) or polyester concrete (overlay), replacement of existing bridge expansion joints, spall treatment repairs, and placing new striping to preserve and extend the structural integrity of each bridge. The Attachment to this memo contains the list of bridges to receive deck treatments.

**ANALYSIS**

Bids for the 2021 Bridge Deck Treatment Project (BIC 2-2) were opened on June 3, 2021 with the following results:

| <b>CONTRACTOR</b>                             | <b>CITY</b> | <b>BID AMOUNT</b>      | <b>VARIANCE</b> | <b>%<br/>UNDER/OVER<br/>ENGINEER'S<br/>ESTIMATE</b> |
|---|-------------|------------------------|-----------------|---|
| American Civil Constructors<br>West Coast LLC | Benicia, CA | \$ 922,912.00          | \$ 252,088.00   | -21.45%   |
| TPA Construction, Inc.                        | Rocklin, CA | \$ 967,537.50          | \$ 207,462.50   | -17.66%   |
| <i>ENGINEER'S ESTIMATE</i>                    | --          | <i>\$ 1,175,000.00</i> | --              | --  |

The low bid submitted by American Civil Constructors West Coast LLC is \$922,912 and is 21.45% below the Engineer’s Estimate. The Engineer’s Estimate for this project is \$1,175,000. The estimate is based on bids received from similar past projects and current estimated construction prices. The bid is considered acceptable for the work involved in the project.

San Jose Municipal Code Section 27.04.050 provides that the contingency for all public works contracts (except those involving the renovation of a building or buildings) cannot exceed 10% of the total contract amount. An approximate 10% contingency is appropriate for this project.

**Project Labor Agreement Applicability**

A project labor agreement (PLA) is not applicable to this project as it meets the following exemption: The City engineer’s estimate of the total cost of the contract to construct the project does not exceed \$3 million, as adjusted for inflation.

### Local and Small Business Outreach

This project does not have a preference for local and/or small businesses.

### CONCLUSION

Based on the evaluation of bids for the 2021 Bridge Deck Treatment Project (BIC 2-2), the low bid is considered acceptable and staff recommends awarding the construction contract to American Civil Constructor West Coast LLC.

### EVALUATION AND FOLLOW-UP

DOT provides an ongoing evaluation of the City's infrastructure to the Transportation & Environment Committee and provides ongoing updates of the City's Measure T program to Council.

### CLIMATE SMART SAN JOSE

The recommendations in this memo has no effect on Climate Smart San José energy, water, or mobility goals.

### PUBLIC OUTREACH

To solicit contractors, the project was listed on an online bid solicitation website, Biddingo, where bid packages were made available to download for contractor organizations and builders' exchange. When the project commences the contractor will provide advance notification regarding working hours, duration of project, and any appropriate schedule and lane closures to affected businesses and residents, as stated in the specifications. To inform traveling motorists of upcoming construction activities and potential traffic delays, changeable message signs may be used on selected streets stating the scheduled date and time for work to occur on the street. This memorandum will be posted on the City's Council Agenda website for the August 10, 2021 Council Meeting.

### COORDINATION

This project has been coordinated with the Department of Public Works, and this memorandum has been coordinated with the Department of Planning, Building and Code Enforcement, City Attorney's Office and the City Manager's Budget Office.

**COMMISSION RECOMMENDATION/INPUT**

No commission recommendation or input is associated with this action.

**FISCAL/POLICY ALIGNMENT**

This project supports the Transportation and Aviation Services City Service Area goal to *Preserve and Improve Transportation Assets and Facilities.*

**COST SUMMARY/IMPLICATIONS**

1. COST OF PROJECT:
 

|  |                    |
|--|--------------------|
| Programmatic Project Delivery Estimate | \$92,292           |
| Construction Contract                  | \$922,912          |
| Contingency                            | \$92,300           |
| <b>TOTAL PROJECT COSTS:</b>            | <b>\$1,107,504</b> |
  
2. SOURCE OF FUNDING:     498 – Measure T – Bridges
  
3. FISCAL IMPACT:             This project will have no net operating and maintenance costs to the General Fund.

**BUDGET REFERENCE**

The table below identifies the fund and appropriation proposed to fund the recommended contract awards, including project delivery, construction, and contingency costs.

\*The 2022-2026 Capital Improvement Program was adopted by the City Council on June 22, 2021.

| Fund #                                 | Appn # | Appn Name           | Total Appn         | Amt. for Contract  | 2021-2022 Proposed Capital Budget Page* | Last Budget Action (Date, Ord. No.) |
|--|--------|---------------------|--------------------|--------------------|---|-------------------------------------|
| 498                                    | 414S   | Measure T - Bridges | \$5,000,000        | \$1,015,212        | V-602                                   | 6/22/2021, 30621                    |
| <b>Total Current Funding Available</b> |        |                     | <b>\$5,000,000</b> | <b>\$1,015,212</b> |   |                                     |

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**CEQA**

Categorically Exempt, File No. PP18-029, CEQA Guidelines Section 15301(c), Existing Facilities.

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JOHN RISTOW

Director of Transportation

For questions, please contact Frank Farshidi, DOT Division Manager, at (408) 794-1945.

Attachment

**List of Bridges**

| <b>2021 BRIDGE DECK TREATMENT PROJECT (BIC2-2)</b> |   |                                |                  |
|--|---|--------------------------------|------------------|
| <b>CD</b>  | <b>FACILITY CARRIED</b>                 | <b>FEATURED INTERSECTION</b>   | <b>BRIDGE ID</b> |
| 2  | BAILEY AV                               | FISHER CREEK                   | 37C0162          |
| 2  | BAILEY AV                               | MONTEREY RD, UPRR, AMTRK       | 37C0712          |
| 2  | SILVER CREEK VALLEY RD                  | COYOTE CREEK                   | 37C0532          |
| 3  | AIRPORT PARKWAY                         | GUADALUPE RIVER                | 37C0256          |
| 3  | AIRPORT PARKWAY (GREEN LOT PRKG ACCESS) | GUADALUPE RIVER (AIRPORT PKWY) | 37C0718          |
| 3  | HEDDING ST                              | GUADALUPE RIVER & TRAIL        | 37C0418          |
| 3  | HEDDING ST                              | GUADALUPE RIVER                | 37C0419          |
| 3  | RIDDER PARK DR                          | COYOTE CREEK                   | 37C0382          |
| 3  | SAN FERNANDO ST. EB                     | GUADALUPE RIVER                | 37C0203R         |
| 4  | PIEDMONT RD                             | PENITENCIA CREEK               | 37C0135L         |
| 4  | TASMAN DR EB                            | GUADALUPE RIVER                | 37C0378R         |
| 4  | TASMAN DR WB                            | GUADALUPE RIVER                | 37C0378L         |
| 6  | MALONE RD                               | GUADALUPE RIVER                | 37C0262          |
| 7  | ALMADEN EX                              | CALTRAIN, UP RR, AMTRAK        | 37C0026          |
| 8  | SAN FELIPE RD                           | YERBA BUENA CREEK              | 37C0134          |