



- **Board of Directors**
Engineering and Operations Committee

1/11/2022 Board Meeting

7-2

Subject

Award a \$1,936,977 contract to All American Asphalt for pavement rehabilitation at the Robert A. Skinner Water Treatment Plant; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

Executive Summary

Metropolitan has an ongoing program to provide timely pavement maintenance and repairs at facilities within Metropolitan's service areas. Over the past 45 years, the service roads and paved areas around the Skinner plant have received heavy use by Metropolitan forces and construction contractors. As a result, portions of these paved areas now exhibit extensive surface and sub-base deterioration. This action awards a construction contract to rehabilitate approximately 430,000 square feet of existing deteriorated asphalt pavement in and around the Robert A. Skinner Water Treatment Plant (Skinner plant).

Details

Background

The Skinner plant commenced service in 1976 and currently has a capacity of 350 million gallons per day (mgd). It delivers a blend of waters from the Colorado River and State Water Project to Eastern Municipal Water District, Western Municipal Water District of Riverside County, and the San Diego County Water Authority. The plant is located north of Temecula in Riverside County.

Over the past 45 years, the paved roads around the Skinner plant have begun to deteriorate due to aging and surface wear. The roads are used to perform routine operation and maintenance activities and have received heavy use during rehabilitation efforts by Metropolitan forces and construction contractors. The deteriorated pavement exhibits raveling caused by wear and tear under traffic loads, surface deterioration, and fatigue and edge cracking caused by saturated subgrades from poor drainage and standing water. Staff recommends that the existing deteriorated paving be removed, grading be performed to improve drainage, and asphalt paving be installed to provide all-weather paved surfaces for the Skinner area facilities. In areas where the deterioration is not as severe, staff recommends that slurry seal coating be applied to extend the life of the paved area.

In accordance with the April 2020 action on the biennial budget for Fiscal Years 2020/21 and 2021/22, the General Manager will authorize staff to proceed with rehabilitation of the asphalt concrete pavement at the Skinner plant, pending board award of the contract described below. Based on the current Capital Investment Plan (CIP) expenditure forecast, funds for the work to be performed, pursuant to this action during the current biennium, are available within the Capital Investment Plan Appropriation for Fiscal Years 2020/21 and 2021/22 (Appropriation No. 15519). Funds required for work to be performed pursuant to the subject contract after fiscal year 2021/22 will be budgeted within the Capital Investment Plan Appropriation for Fiscal Years 2022/23 and 2023/24. This project has been reviewed in accordance with Metropolitan's CIP prioritization criteria and was approved by Metropolitan's CIP evaluation team to be included in the System Reliability Program.

Skinner Facility Area Paving – Construction

The scope of the construction contract work consists of the rehabilitation of approximately 430,000 square feet of asphalt pavement in and around the Skinner plant, which includes removing the existing pavement, placing new

asphalt pavement, and applying slurry seal on existing portions of asphalt pavement that do not need to be completely replaced. Metropolitan forces will perform surveying, conduct soil and concrete tests as required, and establish traffic controls to reroute onsite chemical deliveries and traffic.

A total of \$2.88 million has been budgeted for this work. In addition to the amount of the contract described below, other funds to be allocated include \$280,000 for construction inspection; \$210,000 for Metropolitan force activities as described above; \$155,000 for submittals review, technical support during construction, responding to requests for information, and preparation of record drawings; \$149,000 for contract administration, environmental monitoring, and project management; and \$149,023 for the remaining budget.

Attachment 1 provides the allocation of the required funds. The total estimated cost of the Skinner Facility Area Paving, including the amount allocated to date and funds allocated for the work described in this action, is approximately \$3.21 million.

Award of Construction Contract (All American Asphalt)

Specification No. 1984 to rehabilitate the asphalt paving at the Skinner plant was advertised for bids on October 22, 2021. As shown in **Attachment 2**, five bids were received and opened on December 2, 2021. The low bid from All American Asphalt in the amount of \$1,936,977 complies with the requirements of the specifications. The other bids ranged from approximately \$2.1 million to \$2.6 million, while the engineer's estimate for this project was \$3.15 million. Staff attributes the difference between the engineer's estimate and the bids received to the highly competitive construction market for asphalt rehabilitation. For this contract, Metropolitan established a Small Business Enterprise participation level of at least 25 percent of the bid amount. All American Asphalt has agreed to meet this level of participation. This action awards a \$1,936,977 contract to All American Asphalt for the rehabilitation of asphalt paving at the Skinner plant.

As described above, Metropolitan staff will perform construction management and inspection. Engineering Services' performance metric target range for inspection of projects with construction less than \$3 million is 12 to 15 percent. For this project, the performance metric goal for inspection is 13 percent of the total construction cost (\$2,146,977), which includes the construction contract (\$1,936,977) and Metropolitan force construction (\$210,000). The subcontractors for this contract are listed in **Attachment 3**.

Alternatives Considered

Staff considered addressing pavement rehabilitation by issuing multiple contracts, with each contract addressing specific regions of the Skinner plant. This approach would minimize operational impacts; however, it would be more expensive due to the multiple design, advertisement, and contractor mobilization efforts that would be undertaken. The current approach expeditiously addresses the significant deterioration of the existing asphalt pavement at the Skinner plant in the most cost-effective manner. Finally, staff assessed alternatives to rehabilitate pavement areas that were not significantly deteriorated but needed some improvements to extend the useful life. In these areas, a slurry seal application will be used, instead of replacing the pavement. This approach provides a cost-effective alternative when compared to a complete pavement removal/replacement in areas where deterioration is not severe.

Summary

This action awards a \$1,936,977 contract to All American Asphalt for the rehabilitation of asphalt pavement at the Skinner plant. See **Attachment 1** for the Allocation of Funds, **Attachment 2** for the Abstract of Bids, **Attachment 3** for the listing of Subcontractors for Low Bidder, and **Attachment 4** for the Location Map.

Project Milestone

September 2022 – Completion of construction

Policy

Metropolitan Water District Administrative Code Section 8121: General Authority of the General Manager to Enter Contracts

Metropolitan Water District Administrative Code Section 8140: Competitive Procurement

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

By Minute Item 49512, dated August 20, 2013, Metropolitan's Board authorized preliminary design of the pavement repairs at Skinner area facilities.

By Minute Item 51963, dated April 13, 2020, the Board appropriated a total of \$500 million for projects identified in the Capital Investment Plan for Fiscal Years 2020/21 and 2021/22.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is categorically exempt under the provisions of CEQA and the State CEQA Guidelines. In particular, the proposed action consists of awarding a construction contract and modifying existing public facilities with negligible or no expansion of existing or former use and no possibility of significantly impacting the physical environment. In addition, the proposed action includes the replacement and reconstruction of existing structures and facilities where the new structure will be located on the same site and as the structure replaced and will have the same purpose and capacity as the structure replaced. Further, the proposed action includes minor public or private alterations in the condition of land, water, and/or vegetation which do not involve removal of healthy, mature, scenic trees except for forestry or agricultural purposes. Accordingly, the proposed action qualifies under Class 1 and Class 4 Categorical Exemptions (Sections 15301 and 15304 of the State CEQA Guidelines).

CEQA determination for Option #2:

None required

Board Options

Option #1

Award a \$1,936,977 contract to All American Asphalt for the rehabilitation of asphalt pavement at the Skinner plant.

Fiscal Impact: Expenditure of \$2.88 million in capital funds. Approximately \$1.8 million will be incurred in the current biennium and have been previously authorized.

Business Analysis: This option will protect Metropolitan's assets and help maintain reliability of the plant.

Option #2

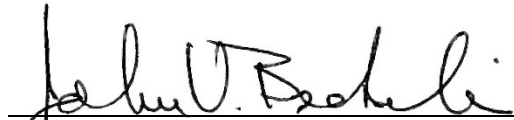
Do not proceed with the project at this time.

Fiscal Impact: None

Business Analysis: Under this option, staff will continue to assess the condition of the deteriorated pavement, which may lead to higher repair costs in the future.

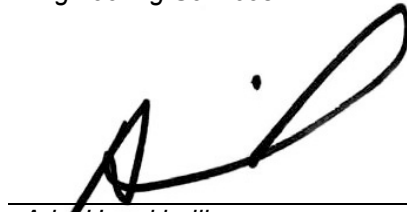
Staff Recommendation

Option #1



John V. Bednarski
Manager/Chief Engineer
Engineering Services

12/16/2021
Date



Adel Hagekhalil
General Manager

12/21/2021
Date

Attachment 1 – Allocation of Funds**Attachment 2 – Abstract of Bids****Attachment 3 – Subcontractors for Low Bidder****Attachment 4 – Location Map**

Ref# es01112022

Allocation of Funds for Pavement Rehabilitation at the Skinner plant

	Current Board Action (Jan. 2021)
Labor	
Studies & Investigations	\$ -
Final Design	-
Owner Costs (Program mgmt., envir. monitoring)	149,000
Submittals Review & Record Drwgs.	155,000
Construction Inspection & Support	280,000
Metropolitan Force Construction	170,000
Materials & Supplies	-
Incidental Expenses	40,000
Professional/Technical Services	-
Right-of-Way	-
Equipment Use	-
Contracts	-
All American Asphalt	1,936,977
Remaining Budget	149,023
Total	<u>\$ 2,880,000</u>

The total amount expended to date for pavement rehabilitation at the Skinner plant is approximately \$330,000. The total estimated cost to complete the pavement rehabilitation, including the amount appropriated to date, and funds allocated for the work described in this action, is \$3.21 million.

The Metropolitan Water District of Southern California**Abstract of Bids Received on December 2, 2021, at 2:00 P.M.****Specifications No. 1984
Robert A. Skinner Water Treatment Plant
Facility Area Paving**

The work consists of the rehabilitation of approximately 430,000 square feet of asphalt concrete, which includes removing the existing asphalt and placing new asphalt, and applying slurry seal on existing asphalt.

Engineer's estimate: \$3,150,000

Bidder and Location	Total	SBE \$	SBE %	Met SBE¹
All American Asphalt Corona, CA	\$1,936,977	\$493,854	25.5	Yes
Calmex Engineering, Inc. Bloomington, CA	\$2,139,946	-	-	-
Asphalt, Fabric, & Engineering, Inc. Signal Hill, CA	\$2,311,000	-	-	-
ATP General Engineering Contractors San Diego, CA	\$2,356,514	-	-	-
Griffith Company Santa Fe Springs, CA	\$2,585,164	-	-	-

¹ Small Business Enterprise (SBE) participation level established at 25% for this contract.

The Metropolitan Water District of Southern California**Subcontractors for Low Bidder****Specifications No. 1984
Robert A. Skinner Water Treatment Plant
Facility Area Paving**

Low bidder: All American Asphalt

Subcontractor and Location
Cal Stripe, Inc. Colton, CA
CL Surveying and Mapping, Inc. Rancho Cucamonga, CA
Mission Paving & Sealing Irwindale, CA

Distribution System

