



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

3/12/2024 Board Meeting

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7-1

## **Subject**

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Award a \$1,754,000 contract to Granite Construction Company for pavement rehabilitation at the F.E. Weymouth Water Treatment Plant; the General Manager has determined that the proposed action is exempt or otherwise not subject to CEQA

## **Executive Summary**

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Metropolitan has an ongoing program to provide timely pavement rehabilitation at facilities within Metropolitan's service areas. Over the past 80 years, the service roads and paved areas around the F.E. Weymouth Water Treatment Plant (Weymouth plant) and other support facilities on the La Verne site 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 that need to be rehabilitated. Design is complete, and award of a construction contract is recommended at this time. With this contract, Metropolitan will for the first time make use of asphalt paving with a Recycled Asphalt Paving (RAP) content of 40 percent or greater for a portion of the pavement project. The use of paving with an RAP at this level will enhance Metropolitan's ability to rehabilitate facilities in an environmentally sustainable manner.

This action awards a \$1,754,000 construction contract to Granite Construction Company to rehabilitate approximately 300,000 square feet of existing asphalt pavement in and around the Weymouth plant. See **Attachment 1** for the Allocation of Funds, **Attachment 2** for the Abstract of Bids, **Attachment 3** for the Subcontractors for Low Bidder, and **Attachment 4** for the Location Map.

## **Proposed Action(s)/Recommendation(s) and Options**

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### **Staff Recommendation: Option #1**

#### **Option #1**

Award a \$1,754,000 contract to Granite Construction Company for the rehabilitation of asphalt pavement at the Weymouth plant.

**Fiscal Impact:** Expenditure of \$2.66 million in capital funds. Approximately \$700,000 will be incurred in the current biennium and has been previously authorized. The remaining funds for this action will be accounted for in the Capital Investment Plan budget for the next biennium following board approval of the budget.

**Business Analysis:** This option will protect Metropolitan's assets and sustain the operations of the Weymouth plant and other support facilities in the La Verne site.

#### **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 and provide temporary localized repairs to damaged areas as needed, which may lead to increased annual repair costs.

## **Alternatives Considered**

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Staff considered issuing multiple contracts to complete the work, with each contract addressing specific regions of the Weymouth plant or the La Verne site. While this option would potentially reduce operational impacts, it would result in increased costs due to the preparation of multiple design packages, along with the advertisement and contractor mobilization efforts required.

Staff also assessed alternatives to rehabilitate pavement areas that were not significantly deteriorated but needed some improvements to extend their useful life. In these areas, a seal coat application will be used instead of pavement replacement. This approach provides a cost-effective alternative when compared to a complete pavement removal/replacement in areas where deterioration is not severe. Staff determined that the current approach to complete the pavement rehabilitation at Weymouth under one construction contract is the most cost-effective manner to comprehensively address the significant deterioration of the existing asphalt pavement at the Weymouth plant and other supporting facilities in the La Verne site.

## **Applicable Policy**

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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

## **Related Board Action(s)/Future Action(s)**

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By Minute Item 52778, dated April 12, 2022, the Board appropriated a total of \$600 million for projects identified in the Capital Investment Plan for Fiscal Years 2022/23 and 2023/24.

## **Summary of Outreach Completed**

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Staff confirmed recycled asphalt best practices and implementation with Caltrans and the city of Los Angeles.

## **California Environmental Quality Act (CEQA)**

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### **CEQA determination for Option #1:**

The proposed action is exempt from CEQA because it involves the operation, repair, maintenance, or minor alteration of existing public structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of existing or former use and no possibility of significantly impacting the physical environment (State CEQA Guidelines Section 15301).

### **CEQA determination for Option #2:**

None required

## **Details and Background**

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### **Background**

The Weymouth plant was placed into service in 1941 and is located in the city of La Verne, adjacent to numerous support facilities, including the Water Quality Laboratory, the La Verne Shops, and water distribution facilities. Over the past 80 years, the paved roads around the Weymouth plant and other La Verne site facilities have deteriorated due to aging and surface wear. The roads are used to perform routine operation and maintenance activities and have received heavy use 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.

Metropolitan forces continuously mitigate and slow the rate of deterioration by performing patch repairs to distressed pavement areas. These types of repairs are intended to be temporary by nature, and current conditions require a more extensive and permanent restoration effort. The recommended work includes the rehabilitation of approximately 300,000 square feet of existing asphalt pavement in and around the Weymouth plant and other support facilities in the La Verne site.

Metropolitan's asphalt material standards traditionally allow the use of an asphalt mix containing up to 20 percent of RAP. To contribute to Metropolitan's goals of innovation and sustainability, staff investigated the use of higher RAP percentages in similar projects recently constructed in Los Angeles and Orange County. For the subject project, staff has increased the maximum RAP percentage allowance from 20 to 25 percent. In addition, staff concluded that an asphalt mix containing a minimum of 40 percent RAP can be used to restore areas within the project that have lower traffic loads (approximately 84,000 square feet area). The performance of the pavement in these areas will be monitored, and pending successful performance, higher RAP percentages will be specified for future projects. This strategy provides an environmentally sustainable alternative that minimizes cost without reducing quality or service life. Final design is now complete, and staff recommends the award of a construction contract at this time.

### **Weymouth Asphalt Pavement Rehabilitation – Construction**

The scope of the construction contract work consists of the rehabilitation of approximately 300,000 square feet of asphalt pavement within the Weymouth plant and other support facilities in the La Verne site, which includes the following: removal of the existing pavement, grading, placing and recompacting of new crushed aggregate base, placing of new asphalt concrete pavement, seal coating portions of asphalt pavement, traffic striping, and concrete drainage improvements. Metropolitan forces will perform surveying, conduct soil and concrete tests, as required; establish traffic controls to reroute onsite chemical deliveries and traffic; and implement a post-construction monitoring program for the 40 percent RAP areas.

A total of \$2.66 million is allocated for this work. In addition to the amount of the contract described below, other funds to be allocated include \$230,000 for construction inspection; \$221,000 for Metropolitan construction activities as described above; \$176,000 for submittals review, technical support during construction, responding to requests for information, and preparation of record drawings; \$182,000 for contract administration, environmental monitoring, and project management; and \$97,000 for the remaining budget. **Attachment 1** provides the allocation of the required funds. The total estimated cost to complete the work, including the amount allocated to date and funds allocated for the work described in this action, is \$2.98 million.

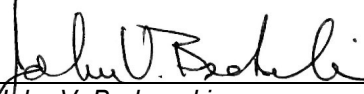
### ***Award of Construction Contract (Granite Construction Company)***

Specification No. 2018 to rehabilitate the asphalt pavement at the Weymouth plant and other support facilities in the La Verne site was advertised for bids on December 14, 2023. As shown in **Attachment 2**, four bids were received and opened on January 31, 2024. The low bid from Granite Construction Company in the amount of \$1,754,000 complies with the requirements of the specifications. The other bids ranged from approximately \$1.81 million to \$3.17 million, while the engineer's estimate for this project was approximately \$2.14 million. For this contract, Metropolitan established a Small Business Enterprise participation level of at least 25 percent of the bid amount. Granite Construction Company has agreed to meet this level of participation. The subcontractors for this contract are listed in **Attachment 3**.

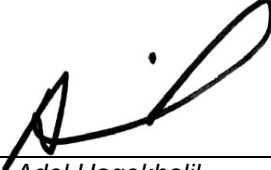
This action awards a \$1,754,000 contract to Granite Construction Company for the rehabilitation of asphalt pavement at the Weymouth plant. As described above, Metropolitan staff will perform construction management and inspection. Engineering Services' performance metric target range for construction management and inspection of projects with construction less than \$3 million is 12 to 15 percent. For this project, the performance metric goal for inspection is 11.6 percent of the total construction cost (\$1,975,000), which includes the construction contract (\$1,754,000) and Metropolitan force construction (\$221,000).

***Project Milestone***

December 2024 – Completion of construction

  
\_\_\_\_\_  
John V. Bednarski  
Manager/Chief Engineer  
Engineering Services

2/20/2024  
Date

  
\_\_\_\_\_  
Adel Hagekhalil  
General Manager

2/23/2024  
Date

**Attachment 1 – Allocation of Funds**

**Attachment 2 – Abstract of Bids**

**Attachment 3 – Subcontractors for Low Bidder**

**Attachment 4 – Location Map**

Ref# es12688298

### **Allocation of Funds for Weymouth Asphalt Pavement Rehabilitation**

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	<b>Current Board Action (Mar. 2024)</b>
Labor	
Studies & Investigations	\$ -
Final Design	-
Owner Costs (Program mgmt., envir. monitoring)	182,000
Submittals Review & Record Drwgs.	176,000
Construction Inspection & Support	230,000
Metropolitan Force Construction	221,000
Materials & Supplies	-
Incidental Expenses	-
Professional/Technical Services	-
Right-of-Way	-
Equipment Use	-
Contracts	-
Granite Construction Company	1,754,000
Remaining Budget	97,000
<b>Total</b>	<b>\$ 2,660,000</b>

The total amount expended to date for the pavement rehabilitation at the Weymouth plant is approximately \$320,000. The total estimated cost to complete the project, including the amount appropriated to date and funds allocated for the work described in this action is \$2.98 million.

**The Metropolitan Water District of Southern California**

**Abstract of Bids Received on January 31, 2024, at 2:00 P.M.**

**Specifications No. 2018**

**Weymouth Asphalt Pavement Rehabilitation**

The work includes the rehabilitation of approximately 300,000 square feet of asphalt concrete pavement, including removal of existing pavement, grading, placing and recompacting of new crushed aggregate base, placing of new asphalt concrete pavement, adding seal coat on indicated areas, traffic striping, and concrete drainage improvements.

**Engineer's estimate: \$2,138,000**

<b>Bidder and Location</b>	<b>Total</b>	<b>SBE \$</b>	<b>SBE %</b>	<b>Met SBE<sup>1</sup></b>
<b>Granite Construction Company Indio, CA</b>	<b>\$1,754,000</b>	<b>\$443,118</b>	<b>25%</b>	<b>Yes</b>
Access General Contracting Inc. Corona, CA	\$1,811,538	-	-	-
Command Performance Constructors Signal Hill, CA	\$2,113,731	-	-	-
Onyx Paving Company Inc. Anaheim, CA	\$3,168,000	-	-	-

<sup>1</sup> Small Business Enterprise (SBE) participation level established at 25percent for this contract.

**The Metropolitan Water District of Southern California****Subcontractors for Low Bidder****Specifications No. 2018  
Weymouth Asphalt Pavement Rehabilitation****Low bidder: Granite Construction Company**

<b>Subcontractor</b>	<b>Service Category; Specialty</b>
Cindy Trump Inc., DBA Lindys Cold Planing La Habra, CA	Cut, load, haul, dispose asphalt pavement, sweeping
Lukkes Striping Inc. La Habra, CA	Seal coat, striping and install wheel stops

# Distribution System

