

# AGENDA

## Denver Board of Water Commissioners

Denver Water Administration Building  
1600 West 12<sup>th</sup> Avenue  
Denver, CO  
Board Room, Third Floor

**Wednesday, September 25, 2019 9:00 a.m.**

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### I. INTRODUCTORY BUSINESS

#### A. Call to Order and Determination of Quorum

#### B. Public Comment and Communications

At this point in the agenda, the Board may allow members of the public to address the Board on any item of interest within the jurisdiction of the board, and not on the agenda for action. Speakers wishing to address a specific Action Item will be invited to address the board when the item is being considered. Three minutes are allowed for each person unless the President determines otherwise.

1. Distributor Communications
2. Citizen Advisory Committee Communications

#### C. Ceremonies, Awards and Introductions

### II. ACTION ITEMS

#### A. Consent Items

Items listed below are considered routine and may be enacted by one motion and vote. If any Board member desires discussion beyond explanatory questions, or corrections to the Minutes, the President may order that item to be considered in a separate motion and vote.

1. Ralston Dam Primary Spillway Modification Project – Contract 503813
2. Second Amendment to Agreement with Mott MacDonald, LLC – Contract 504012

#### B. Individual Approval Items

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### III. POLICY MATTERS

<b>A. OCR Update</b>	Jeremy Ross	10 minutes
<b>B. Northwater Treatment Plant Project Update</b>	Pete McCormick	20 minutes
<b>C. 3rd Party Review – Project Delivery</b>	Mike Brown	30 minutes

### IV. EXECUTIVE UPDATE

#### A. CEO Update

#### B. CFO Update

1. Monthly Financial Report

#### C. Operations Update

### V. BRIEFING PAPERS & REPORTS

#### A. Briefing Papers

#### B. Reports

### VI. ADJOURNMENT

### VII. TRUSTEE MATTERS

### VIII. EXECUTIVE SESSION

The Board may adjourn the regular meeting and reconvene in executive session on topics authorized by D.R.M.C. Sec. 2-34

#### A. Confidential Report D.R.M.C. Sec. 2-34

# DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: September 25, 2019

Board Item: II-A-1

## Ralston Dam Primary Spillway Modification Project Contract 503813

Action by Consent

Individual Action

### **Purpose and Background:**

Ralston Dam was originally constructed in 1936 to impound Ralston Reservoir, located in Jefferson County, Colorado. The reservoir stores runoff from the Ralston Creek drainage and water from the western slope which is conveyed to Ralston Reservoir through the Moffatt Tunnel, Gross Reservoir, the South Boulder Diversion Dam, and the South Boulder Diversion Conduit. Almost all water in Denver Water's Northern System flows through Ralston Reservoir before being treated at the Moffat Water Treatment Plant.

The primary spillway at Ralston Dam was designed to standards in place in 1936 and did not include items such as concrete reinforcing, waterstops at joints, or a robust underdrain system found in current spillway designs. There have been several repairs to the spillway since original construction. The required maintenance, recent incidents at other dams, and potential design deficiencies prompted Denver Water staff to analyze the spillway for safety and structural integrity. This analysis identified an unacceptably high risk of failure of the Ralston Dam primary spillway chute when flowing. Consequently, Denver Water made the decision to replace the spillway chute.

The design was completed by AECOM under Agreement 503731 and has been reviewed by the Colorado State Engineer's Office, Dam Safety Branch. This board item is for the construction contract for the Ralston Primary Spillway chute and stilling basin replacement.

### **Budget and Schedule:**

The total amount of this contract is \$8,207,580 and the term of the contract is September 25, 2019 to November 24, 2020. Funds for this contract will come from the 2019 budget for Ralston Primary Spillway Modification project business unit, which has sufficient funds to pay the \$265,000 estimated to be needed in 2019. The remaining \$7,942,580 will be budgeted in year 2020.

### **Selection of Business Partner:**

Denver Water solicited proposals from five general contractors on the prequalified contractor list under the heavy civil discipline. The contract was a restricted bid process using instructions to proposers on the QuestCDN platform. Although letters of intent to bid were received from five contractors, proposals were received from two general contractors on August 27, 2019. Proposals were graded on cost, project plan, risk analysis, schedule, and team qualifications. Scoring was completed by individuals from Engineering and an external subject matter expert from AECOM. SEMA Construction, Inc. of Colorado achieved the highest score, with an associated price of \$8,207,580.

### **S/MWBE Information:**

The Minority and Women-owned Business Enterprise goal established for this project is 8% participation. SEMA Construction, Inc. has proposed 8.5% participation.

### **Recommendation:**

It is recommended that the Board approve Contract 503813 with SEMA Construction, Inc. for the Ralston Primary Spillway Modification project for the contract period September 25, 2019 to November 24, 2020 for a total contract amount not to exceed \$8,207,580.

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**Approvals:**

- James S. Lochhead, CEO/Manager
- Julie Anderson, Chief of Staff
- Jessica R. Brody, General Counsel
- Angela C. Bricmont, Chief Financial Officer

- Brian D. Good, Chief Administrative Officer
- Mike King, Chief External Affairs Officer
- Robert J. Mahoney, Chief Engineering Officer
- Thomas J. Roode, Chief Operations Officer

# DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: September 25, 2019

Board Item: II-A-2

**Revised**

## **Second Amendment to Agreement with Mott MacDonald, LLC Contract 504012**

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Action by Consent

Individual Action

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### **Purpose and Background:**

On May 15, 2019, Denver Water entered into Contract 504012 with Mott MacDonald, LLC for project management services related to the development of Denver Water's Lead Reduction Program Plan (LRPP) and request for variance from the corrosion control requirements under the Safe Drinking Water Act's Lead and Copper Rule.

Under the second amendment, the scope of work for Contract 504012 will be modified to include additional work for Phase I of the scope of work. The additional work for Phase I involves work that Mott MacDonald, LLC was asked to complete for new sections and elements of the LRPP and variance request, including refinement of the lead service line inventory and predictive model, additional work performed for the filter pilot study, development and incorporation of health equity and environmental justice principals into the LRPP, and planning and preparation work related to procurement of materials and services for implementation of the LRPP upon approval of the variance request.

In addition, the second amendment will add Phase II to the scope of work which will extend from the submittal of the variance request to the approval of the variance request. Phase II will include additional work related to the development of the communications, outreach and education plan for implementation of the LRPP, including customer outreach and education efforts. Mott MacDonald, LLC will also assist Denver Water in leading a public comment period on the LRPP. In addition, Mott MacDonald, LLC will help oversee a program to identify lead service lines at certain properties (i.e. multi-family properties and daycares) which are rated a high priority for replacement.

### **Budget and Schedule:**

The requested amendment amount of \$979,000 will increase the total amount of this contract to \$2,474,900 and the term of the contract is May 1, 2019 to December 31, 2020. Because of the uncertainty in the scope of the variance and the feasibility of obtaining approval, this contract was not budgeted for 2019. This contract will be paid out of the Variance Lead Program business unit and the variance will be represented in the monthly operating project forecast. The System and Program Managers will monitor the overall operating project budget throughout the year and identify if an overall budget variance will be needed. If the variance is approved, this contract may need to be amended for additional work in future years.

### **Selection of Business Partner:**

A Request for Proposal describing the work to be completed in Phase I was issued on April 1, 2019 to eight firms and posted on denverwater.org. Proposals were received from five firms on April 15, 2019. Based upon an objective review of proposals, the selection team interviewed four firms. Mott MacDonald, LLC was selected as the program manager for Phase I of the LRPP and will be subcontracting with AECOM Technical Services, Inc. and GBSM (public relations). Both Mott MacDonald, LLC and AECOM Technical Services, Inc. have experience with lead response efforts conducted or currently being conducted in several major U.S. cities.

### **S/MWBE Information:**

Due to the specialized nature of the work requiring experience with lead programs in other large cities around the U.S. and the expedited schedule, significant opportunities for MWBE participation were not

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present and participation was not achieved with this contract. However, significant MWBE opportunities will be present if the variance is approved and implemented and the participation goals will be established to obtain higher levels of participation for this work.

**Recommendation:**

It is recommended that the Board approve the second amendment to Contract 504012 with Mott MacDonald, LLC for the Lead Reduction Program Plan and for an addition of \$979,000 for a total amended contract amount not to exceed \$2,476,000.

**Approvals:**

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|---|---|
| <input checked="" type="checkbox"/> James S. Lochhead, CEO/Manager              | <input type="checkbox"/> Brian D. Good, Chief Administrative Officer          |
| <input type="checkbox"/> Julie Anderson, Chief of Staff                         | <input type="checkbox"/> Mike King, Chief External Affairs Officer            |
| <input type="checkbox"/> Jessica R. Brody, General Counsel                      | <input type="checkbox"/> Robert J. Mahoney, Chief Engineering Officer         |
| <input checked="" type="checkbox"/> Angela C. Bricmont, Chief Financial Officer | <input checked="" type="checkbox"/> Thomas J. Roode, Chief Operations Officer |