

# AGENDA

## Denver Board of Water Commissioners

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

Wednesday, August 22, 2018 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.

#### B. Individual Approval Items

- |  |               |            |
|--|---------------|------------|
| 1. <b>New SOS / Mountain Radio<br/>Communication System Installation<br/>First Amendment – Contract 501465</b> | Chris Dermody | 10 minutes |
| 2. <b>Water Quality Lab at Colorado State<br/>University’s Water Resource Center<br/>– Contract 503592</b>     | Tom Roode     | 10 minutes |

*Denver Water aspires to be the best water utility in the nation.*

Integrity :: Vision :: Passion :: Excellence :: Respect



### **III. POLICY MATTERS**

- |   |                |            |
|---|----------------|------------|
| <b>A. OCR Update</b>  | Jeremy Ross    | 10 minutes |
| <b>B. Foothills Treatment Plant Process/Mechanical Project Update</b> | Brett Balley   | 15 minutes |
| <b>C. IRP Update</b>  | Sarah Dominick | 20 minutes |

### **IV. EXECUTIVE UPDATE**

- A. CEO Update**
- B. CFO Update**
  - 1. Monthly Financial Update
- C. Operations Update**

### **V. BRIEFING PAPERS & REPORTS**

- A. Briefing Paper**
- B. Report**

### **VI. ADJOURNMENT**

### **VII. TRUSTEE MATTERS**

- 1. Trustee and/or Plan Sponsor Meeting

### **VIII. EXECUTIVE SESSION**

The Board may adjourn the regular meeting and reconvene in executive session on topics authorized by C.R.S. Sec. 24-6-402 or D.R.M.C Sec. 2-34.

- A. Confidential Report § 24-6-402(4)**

## DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: August 22, 2018

Board Item: II-B-1

### New SOS / Mountain Radio Communication System Installation First Amendment Contract # 501465 (16838A)

 Action by Consent Individual Action**Purpose and Background:**

In March of 2018, Denver Water completed phases 1 & 2 of its three--phased Radio Communication Systems Replacement Project. Phase-1 included a new Service-area radio system and phase-2 included new radio systems for each of the four water treatment plants. Phase-3 will include replacement of the existing SOS / mountain radio system in 2018-2019, as originally planned. This multi-phased integrated radio system project has been designed to provide improved communication capacities for all Denver Water radio users, including interoperability among all three types of radio systems (Service-area, Treatment Plants and SOS). Through a competitive selection process and contract, Pericle Communications was engaged in July 2014 to design the integrated radio communication system for all three phases, and serve as Denver Water's Owner Representative, providing implementation oversight of the new radio systems.

In March of 2017, Crosspoint Communications was engaged through a competitive selection process to provide all required radio equipment and installation services for the phase 1 & 2 radio systems.

Approved contract funding vs. Actual costs for Phase 1 & 2 radio systems:

Phase 1 & 2 Scope	Approved Contract Funding	Actual Costs	Variance	Variance %
System Design & OR Services (Pericle)	\$402,000	\$384,228	(\$17,772)	(4%)
Installation Services (Crosspoint)	\$2,220,000	\$1,961,420	(\$258,580)	(12%)
<b>Total</b>	\$2,622,000	\$2,345,648	(\$276,352)	(11%)

Due to the complexity of designing and implementing three integrated radio systems, the scope of the initial installation contract with Crosspoint Communications was limited to phases 1 & 2, to ensure that they could deliver the stringent engineering expertise and service levels required prior to contracting for phase-3 installation services. With the successful completion of the Service-area and Plant radio systems (phases 1 & 2) and Crosspoint's proven abilities, Denver Water is now ready to move forward, contracting with Crosspoint Communications to provide installation services for the phase-3 SOS / mountain radio system - the third and final phase of the Radio Communication Systems Replacement Project.

There are a number of risks with the phase-3 implementation scope of work, which could result in project cost increases. These include permitting delays, construction challenges atop of mountains, as well as a potential need for additional FCC licenses at tower sites. Given these risks, a 15% cost contingency has been included in this proposed contract amendment with Crosspoint Communications. Contingency funds will only be used upon Denver Water's approval.

**Budget and Schedule:**

Original estimated costs vs. Contract funding for the Phase-3 radio system:

Phase-3 Scope	Original 2015 Estimates	Contract Funding	Variance	Variance %
Final System Design & OR Services (Pericle)	\$150,000	\$166,400 (previously approved)	\$16,400	+11%
Installation Services (Crosspoint)	\$757,000	\$776,300 (requested)	\$19,300	+3%
<b>Total</b>	<b>\$907,000</b>	<b>\$942,700</b>	<b>\$35,700</b>	<b>+4%</b>

\$776,300 for installation of the SOS / mountain radio system is fully budgeted in the 2018 IT Projects budget, however \$376,000 of this amount will be shifted into the 2019 budget due to phase-3 weather-based implementation timing.

**Selection of Business Partner:**

In the fourth quarter of 2016, Denver Water issued a Request for Proposal (RFP) to the public on the Rocky Mountain E-Purchasing System (BidNet), on Denver Water's website, and through notifications to the SBE and MWBE communities. Additionally, 12 reputable vendors were directly solicited by email. Denver Water received four proposals; one was an SBE and none were an MWBE. DFW Communications Inc., dba Crosspoint Communications was selected based on their project methodology and approach, their experience, financial stability, qualifications, proposed pricing and references, to purchase equipment and provide installation services for the new service-area radio system (phase-1) and water treatment plant radio systems (phase-2) at total cost of \$2,220,000. A Competitive Selection Waiver for Crosspoint's installation of Phase-3 of the Radio Communication Systems Replacement Project has been submitted and approved by the Denver Water Procurement section.

**S/MWBE Information:**

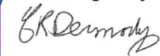
DFW Communications Inc., dba Crosspoint Communications is an SBE.

**Recommendation:**

It is recommended that the Board approve this first amendment to contract 501465 (16838A) with DFW Communications Inc., dba Crosspoint Communications for the installation of the new SOS / mountain radio system, the third and final phase of the radio project. This amendment will extend the contract through December 31, 2019, and add \$776,300.00 for a total contract amount not to exceed \$2,996,300.

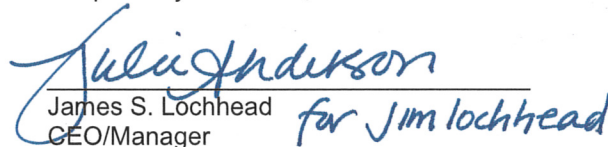
**Approvals:**

DocuSigned by:



076C8C726E5449B  
Chris Dermody  
Chief Information Officer

Respectfully submitted,



James S. Lochhead  
CEO/Manager for Jim Lochhead

DocuSigned by:



D6A2A2A5E3864DE  
Angela Bricmont  
Chief Finance Officer



# DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: August 22, 2018

Board Item: II-B-2

## Water Quality Lab at Colorado State University's Water Resources Center Contract # 503592

Action by Consent

Individual Action

### **Purpose and Background:**

Colorado State University (CSU) is constructing a Water Resources Center (WRC) at the National Western Center redevelopment site. Concurrently, Denver Water's water quality lab at Marston Reservoir is nearing the end of its useful life and a new lab is needed to serve Denver Water's needs. CSU and Denver Water have identified organizational and economic benefits of locating the new lab at the WRC. Denver Water estimates significant cost savings by partnering with CSU as compared to constructing a stand-alone facility that would include all of the programming envisioned at the WRC. Denver Water participated in the selection process for the design team; Smith Group and Hord Copland Macht were selected to design the facility. Denver Water will contribute funds for its share of the building and participate in the design process as outlined in the attached IGA. Subsequent documents will be prepared including a land lease/use agreement, governance agreement, operating agreement and any other necessary documents to facilitate the building design and overall partnership between Denver Water and CSU.

### **Budget and Schedule:**

The total amount of this contract is \$2,240,040.16 to cover design fees only, and the term of the contract is from August 22, 2018 to August 22, 2023. Payments will commence in 2018 and funds have been allocated for 2018 payments; 2019 funds will be allocated as part of the 2019 budgeting process. The project is expected to be complete in 2021.

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

This project is being implemented through an IGA with CSU and CSU must utilize the State of Colorado procurement processes.

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

This project is being conducted in accordance with CSU's State of Colorado procurement processes.

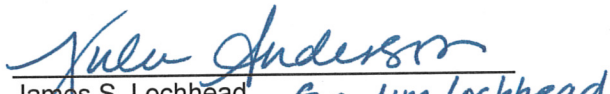
### **Recommendation:**

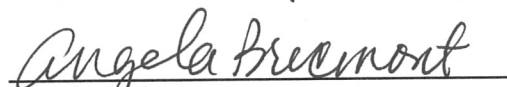
It is recommended that the Board approve Contract 503592 with CSU for Denver Water's share of its design fees for the WRC during the contract period August 22, 2018 to August 22, 2023 for a total contract amount not to exceed \$2,240,040.16.

### **Approvals:**

Respectfully submitted,

  
Thomas J. Roode  
Chief Operations Maintenance Officer

  
James S. Lochhead  
CEO/Manager for Jim Lochhead

  
Angela Bricmont  
Chief Finance Officer