

# AGENDA

## Denver Board of Water Commissioners

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

Wednesday, February 10, 2016 9:00 a.m.

---

### I. BOARD ADMINISTRATIVE 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. Minutes from January 13, 2016 – Open and Executive
2. Minutes from January 27, 2016 – Open and Executive
3. Employees Eligible for Regular Status
4. Amendment No. 1 with Pure Technologies U.S. Inc. for Conduit No. 94 Inspection and Acoustic Fiber Optic Monitoring System Agreement
5. Second Amendment for Trench Shoring Equipment Rental
6. Change Order No. 1 with Mainlining America, LLC for 2015 Pipe Rehabilitation
7. Contract for 2016 Pipe Rehabilitation

8. Ratification of Construction Contracts Change Orders and Amendments to Contracts/Agreements

**B. Individual Approval Items**

- |   |            |            |
|---|------------|------------|
| 1. <b>Colorado Department of Transportation I-70 East Design-Build Project Utility Relocation Agreement</b> | Don Wyman  | 5 minutes  |
| 2. <b>Temporary Staffing Services Agreement</b>   | Gail Cagle | 10 minutes |

**III. POLICY MATTERS**

- A. ORCA Update** Jonathan Spitze 20 minutes

**IV. MONTHLY AND QUARTERLY REPORTS**

**A. CEO Report**

**B. CFO Report**

1. End of Year Financial Position and Target

**C. Operations Report**

1. Legislative Report

**V. INFORMATION ITEMS**

**A. Scheduling of Future Board Meetings and Tentative Discussion Topics**

**B. Event Calendar**

**VI. ADJOURNMENT**

**VII. TRUSTEE MATTERS**

**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 Reports § 24-6-402(4)**

## Employees Eligible for Regular Status

Board Item: II-A-3

Action by Consent

Action

Information

The following employees have completed the introductory period and are recommended for regular status effective February 1, 2016, unless otherwise noted \*:

<b><u>Employee Name, ID#</u></b>	<b><u>Employment Date</u></b>	<b><u>Division/Section</u></b>
OWEN,CHRISTINA L, #65085	2015-07-20	Customer Relations Division QA & Reporting, #463
DICK,CASEY G, #65086	2015-08-04	Engineering Division Dam Safety, #214
LORTON,JUILIE A, #65084	2015-07-27	Finance Division Accounting, #140
GEDNEY,KEGHLEY E, #65076	2015-07-13	Finance Division Purchasing, #130
HOLSCHUH,PATRICIA A, #65083	2015-07-06	Human Resources Division Employee Health Services, #425
FRISHMAN,MICHAEL J, #65069	2015-07-13	Information Technology Division Operational Asset Management, #170
HUSTED,JONATHAN D, #65067	2015-07-06	Operations and Maintenance Division Fleet, #810
KERN,CARY D, #65092	2015-08-03	Operations and Maintenance Division Foothills, #610
BLACKWELL,JOHN M, #65082	2015-07-13	Operations and Maintenance Division South Platte Area, #530
FIELDS,BRIAN K, #65066	2015-08-01	Operations and Maintenance Division T&D Construction & Maintenance, #710

MARTINEZ,ANTONIO E, #65049	2015-08-01	Operations and Maintenance Division T&D Construction & Maintenance, #710
PORTER,MARCUS J, #65074	2015-08-01	Operations and Maintenance Division T&D Construction & Maintenance, #710
POZEK, TYLER B, #65055	2015-08-01	Operations and Maintenance Division T&D Construction & Maintenance, #710
MARKS,JASON J, #65077	2015-07-06	Planning Division Environmental Planning, #305

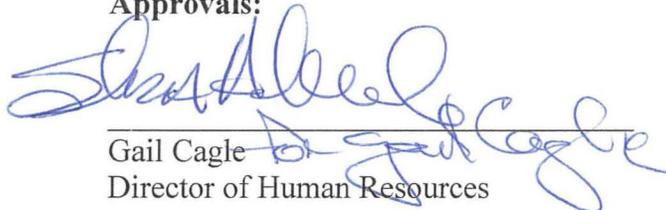
**Monthly Employment Totals**

	Reg& <u>Intro</u>	Reg <u>P.T.</u>	<u>Reg</u> <u>Total</u>	<u>Temp</u>	Temp <u>P.T.</u>	<u>Temp</u> <u>Total</u>
January 2016–FTE End of Mo.	1058.0	8.7	1066.7	0.0	2.9	2.9
December 2015– FTE End of Mo.	1055.0	6.3	1061.3	5.0	1.8	6.8
January 2015–FTE End of Mo.	1052.0	8.8	1060.8	0.0	0.6	0.6

**Recommendation:**

It is recommended that the Board approve these employees for regular status.

**Approvals:**

  
 Gail Cagle  
 Director of Human Resources

Respectfully submitted,

  
 James S. Lochhead  
 CEO/Manager

# DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: February 10, 2016

Board Item: II-A-4

## **Amendment No. 1 with Pure Technologies U.S. Inc. for Conduit No. 94 Inspection and Acoustic Fiber Optic Monitoring System Agreement 15617A**

Action by Consent

Action

Information

### Summary:

On August 27, 2014, the Board approved Agreement 15617A in the amount of \$1,625,506.00 for several items involving Conduit No. 94, including a pipeline condition assessment inspection, furnishing and installing a pipeline monitoring system, and one year of operating the pipeline monitoring system. Conduit No. 94 (C94) is a 15.8 mile-long conduit that carries water from the Moffat Treatment Plant to the 56th Avenue Pump Station and Reservoir. This 60-, 66-, and 72-inch conduit was constructed in the mid-1970s of prestressed concrete cylinder pipe (PCCP) for about 10.5 miles of the conduit. Unfortunately, the C94 PCCP was manufactured with high tensile strength wire which is known around the country to break and cause premature pipe failures.

Currently, about 2.0 miles of the original 10.5 miles of C94 PCCP has been replaced and Denver Water (DW) has a pipeline management program for the remaining 8.5 miles. The program includes Electromagnetic (EM) Inspections (condition assessment inspections) every five years and continuous pipeline monitoring. Continuous monitoring is accomplished with an Acoustic Fiber Optic (AFO) monitoring system that Pure Technologies U.S. Inc. furnished, installed, and operates. The monitoring system detects and locates wire breaks in real-time. This monitoring system, combined with EM Inspections, gives DW the baseline condition of each pipe section and the ability to record wire breaks as they occur. The wire break data is used to prioritize and minimize pipe repairs and replacements.

Amendment No. 1 extends the contract for Pure Technologies U.S. Inc. to operate the AFO system through 2020. The agreement included one year of this service at a fixed fee. DW negotiated with the firm and both agreed to extend the service at this fixed fee for the term of the amendment. This negotiation resulted in a savings of about \$52,000.00 for this amendment. DW has included funds in the long-term budget for this work.

### Budget Information:

The 2016-2020 Capital Improvement Plan (MPC 1DD0101) includes sufficient funds for this project.

2016 Budget	\$	125,000.00
Amount Requested This Item	\$	560,255.00
Amount to be Expended in 2016	\$	112,051.00
YTD Expenditures	\$	113.49
Dollars Budgeted for Future Years (2017-2020)	\$	1,005,000.00
Revised 2016 Estimate	\$	125,000.00
Budget Adjustment	\$	0.00

Selection of Business Partner:

As noted in the August 27, 2014 Board Item, a sole source solicitation was necessary for this contract because the firm utilizes proprietary inspection and monitoring equipment.

*No Minority and Women Business Enterprise (MWBE) goal was established for Contract 15617A due to the specialized nature of the work.*

Recommendation:

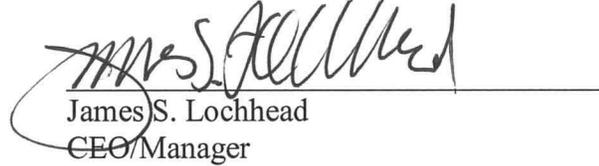
It is recommended that the Board approve Amendment No. 1 to Contract 15617A with Pure Technologies U.S. Inc. for operation of the pipeline monitoring system through December 31, 2020 in the amount of \$560,255.00.

**Approvals:**

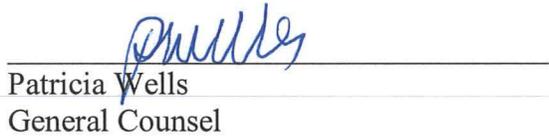
Respectfully submitted,



Robert J. Mahoney  
Director of Engineering



James S. Lochhead  
CEO/Manager



Patricia Wells  
General Counsel



Terri Bryant  
Controller

# DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: February 10, 2016

Board Item: II-A-5

## **Second Amendment for Trench Shoring Equipment Rental Contract # 14793A**

Action by Consent

Action

Information

### Summary:

Denver Water has historically rented all trench shoring and related equipment for emergency fieldwork. The size of trenches vary, so it was not cost effective to own components to accommodate all possible configurations. Since this contract was initiated in 2013, Denver Water staff have identified common shoring configurations and are in the process of purchasing these frequently used components and equipment for all field crews. Rental services will still be needed for unusual shoring configurations. Denver Water's ongoing safety initiative has increased shoring usage beyond that anticipated in the original contract estimate. This contract expires in March 2017 and will be rebid with new usage estimates later this year.

### Budget Information:

Funds are included in the 2016 Operations and Maintenance budget and will be proposed in the 2017 budget.

2016 Budget	\$ 50,000.00
Amount Requested This Item	\$120,000.00
YTD Expenditures	\$
Dollars Budgeted for Future Years	\$
Revised Estimate	\$
Budget Adjustment	\$

### Selection of Business Partner:

Denver Water issued an Invitation for Bid (IFB) in April 2013 seeking a contractor to provide trench shoring equipment. The IFB was posted on Rocky Mountain E-Purchasing System (BidNet), and was sent via direct e-mail to the SBE Bid Hotline list. Three vendors submitted bids. None of the vendors was able to provide every item on the Bill of Materials, nor could they guarantee availability of all items 24 hours a day as needed by emergency crews. Denver Water contracted with all three vendors to provide full coverage for field crews: United Rentals Northwest, Inc. (14793B); Trench Shoring Services (14793C); and Sunbelt Rentals, Inc. (14793D).

### Recommendation:

It is recommended that the Board authorize additional funds in the amount of \$120,000.00 for Contract 14793A, for a total contract amount of \$470,000.00.

**Approvals:**



Thomas J. Roode  
Director of Operations and Maintenance

*Respectfully submitted,*



James S. Lochhead  
CEO/Manager



Terri Bryant, Controller

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: February 10, 2016

Board Item: II-A-6

**Change Order No. 1 with Mainlining America, LLC for  
2015 Pipe Rehabilitation  
Contract # 15906A**

Action by Consent

Action

Information

Summary:

On March 11, 2015, the Board approved Contract 15906A in the amount of \$3,532,159.55 with Mainlining America, LLC for the 2015 Pipe Rehabilitation. The work generally involved removing the pipelines from service, providing temporary service to customers with bypass piping, mechanically cleaning the inside of the pipeline, and applying a thin coat of cement-mortar to prevent corrosion.

Following the Notice to Proceed, Denver Water made the decision to identify and replace all non-copper service lines on the distribution mains being cleaned and lined. Amendment No. 1 approved this additional work June 15, 2015.

This Change Order for a credit of (\$132,063.65) is a quantity reconciliation for 16 different Work Items, including two items from Amendment No. 1, and will be the final Change Order executed for the project.

Budget Information:

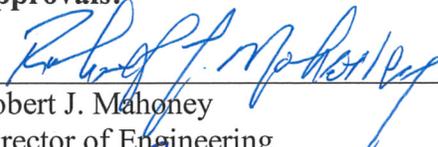
The approval of this credit is for work budgeted in 2015 and has no effect on the 2016 budget.

2015 Budget	\$	5,037,222.55
Amount Requested This Item	\$	(132,063.65)
2015 Expenditures	\$	4,545,583.96
Dollars Budgeted for Future Years	\$	0.00
Revised 2015 Estimate	\$	4,905,158.90
Budget Adjustment	\$	0.00

Recommendation:

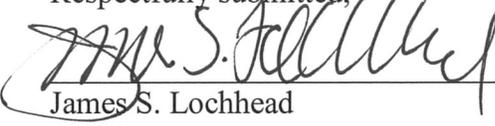
It is recommended that the Board approve Change Order No. 1 to Contract 15906A with Mainlining America, LLC for the 2015 Pipe Rehabilitation for a credit of (\$132,063.65) for a total amended contract amount not to exceed \$4,905,158.90.

**Approvals:**

  
Robert J. Mahoney  
Director of Engineering

  
Angela Bricmont  
Director of Finance

Respectfully submitted,

  
James S. Lochhead  
CEO/Manager

  
Terri Bryant  
Controller

# DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: February 10, 2016

Board Item: II-A-7

## Contract For 2016 Pipe Rehabilitation Contract 16419A

---

Action by Consent

Action

Information

---

### Summary:

Over the past several decades, pipe rehabilitation has been an annually occurring Denver Water Capital Improvement Project. In 2014, the Pipe Rehabilitation Project was bid competitively among five pre-qualified General Contractors. Four bids were received and the lowest qualified bid was submitted by Mainlining America, LLC of Elma, New York. The contract contained language enabling negotiation of a contract extension for up to four additional years based on satisfactory performance, at the discretion of Denver Water. Mainlining America, LLC successfully performed pipe rehabilitation work on 39,885 feet of mains in 2014 and 31,913 linear feet of mains in 2015.

On January 21, 2016, Mainlining America, LLC submitted a cost proposal for the 2016 Pipe Rehabilitation Project. Their proposal reflects an average 3% increase to unit pricing items from the 2015 Pipe Rehabilitation Project except for potholing and lead service line replacement items, which remain at the 2015 rate. The increased cost, which has been reviewed and deemed acceptable by Denver Water, is due to the following:

- Escalation in costs for asphalt and concrete paving, flow fill, and traffic control labor.
- More work on arterial and collector streets, resulting in decreased labor production due to work hour restrictions.
- More work behind curb lines in heavily landscaped areas, resulting in increased restoration costs.

The work generally involves potholing to identify service line type, removing the pipeline from service, providing temporary service to customers with bypass piping, replacing service lines if required, mechanically cleaning the inside of the pipeline, and applying a thin coat of cement-mortar to prevent corrosion. The new lining improves the hydraulic capacity and water quality.

A negotiated cost to rehabilitate approximately 18,239 linear feet of pipe is proposed for 2016, equating to a contract amount of \$2,945,512.00.

### Budget Information:

The project is budgeted for this year with sufficient funds and does not commit the Board to future year expenses. There are no apparent risks in not completing the project this year.

The 2016 Capital Improvement Plan (MPC 2DF0006) includes sufficient funds for this project.

2016 Budget	\$	4,000,000.00
Amount Requested This Item	\$	2,945,512.00
YTD Expenditures	\$	524.25
Dollars Budgeted for Future Years	\$	0.00
Revised Estimate	\$	4,000,000.00
Budget Adjustment	\$	0.00

Selection of Business Partner:

The 2014 Pipe Rehabilitation Project was bid competitively using Invitation for Bids on the QuestCDN platform. Five General Contractors were pre-qualified to bid on the work. Four bids were received and the lowest qualified bid was submitted by Mainlining America, LLC of Elma, New York. That contract contained language enabling negotiation of a contract extension for up to four additional years based on satisfactory performance, at the discretion of Denver Water. As a continuation of that project, Denver Water solicited a cost proposal from Mainlining America, LLC for the 2016 Pipe Rehabilitation Project. The cost proposal was reviewed and evaluated and supporting documentation for the cost increase was provided and deemed acceptable. Mainlining America, LLC has been the business partner for this annual on-going program since 2009. Denver Water realized savings by not having to issue a full bid package or advertising for the 2016 Pipe Rehabilitation Project. The bidders appreciate the opportunity for a multi-year contract.

*The Minority and Women Business Enterprise (MWBE) goal established for this construction project is 5% participation. Mainlining America achieved 5.09% MWBE participation.*

Recommendation:

It is recommended that the Board approve Contract 16419A with Mainlining America, LLC for the 2016 Pipe Rehabilitation Project for the contract period of February 10, 2016 through October 21, 2016 for a total contract amount not to exceed \$2,945,512.00.

**Approvals:**

Respectfully submitted,

  
Robert J. Mahoney  
Director of Engineering

  
James S. Lochhead  
CEO/Manager

  
Patricia Wells  
General Counsel

  
Terri Bryant  
Controller

DENVER BOARD OF WATER COMMISSIONERS



Meeting Date: February 10, 2016

Board Item: II-A-8

**Ratification of Construction Contracts Change Orders  
and Amendments to Contracts/Agreements**

Action by Consent

Action

Information

Summary:

The attached are Construction Contracts Change Orders and Amendments to Contracts/Agreements for Board ratification for December 2015 and January 2016.

**Approvals:**

Respectfully submitted,

Robert J. Mahoney  
Director of Engineering

James S. Lochhead  
CEO/Manager

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: February 10, 2016

Board Item: II-B-1

**Colorado Department of Transportation  
I-70 East Design-Build Project  
Utility Relocation Agreement 16561A**

Action by Consent

Action

Information

Summary:

The Colorado Department of Transportation (CDOT) has embarked on a design-build project titled I-70 East. The purpose of the I-70 East project is to improve transportation along the I-70 corridor from Brighton Boulevard to Tower Road. This work will require the relocation of at least three Denver Water conduits and scores of distribution mains. Relocation of Denver Water infrastructure impacted by the project will be funded, designed, and constructed by CDOT to Denver Water Standards.

The project may present an opportunity for Denver Water to include betterment work within the project, which would then be funded by Denver Water and constructed by CDOT.

The attached Utility Relocation Agreement does not commit funds for the construction of betterments but rather defines responsibilities on the project as a whole and sets forth a work order process that will govern the work. Subsequent execution of betterment work orders, if any, would commit funding and be brought forth for approval.

Budget Information:

This agreement does not commit Denver Water funds. Any items requiring Denver Water funding will be budgeted in the appropriate year and will be approved at the appropriate signature level.

Recommendation:

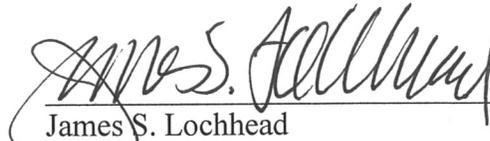
It is recommended that the Board execute Utility Relocation Agreement 16561A with the Colorado Department of Transportation defining responsibilities for the construction of the I-70 East Project.

**Approvals:**

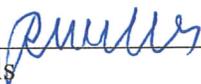
Respectfully submitted,



Robert J. Mahoney  
Director of Engineering



James S. Lochhead  
CEO/Manager



Patti Wells  
General Counsel



Terri Bryant  
Controller

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: February 10, 2015

Board Item: II-B-2

**Temporary Staffing Services Agreement  
Contracts # 16105A-G**

Action by Consent

Action

Information

Summary:

Denver Water requires temporary staffing services in order to operate. These positions are required due to the seasonal nature of the work or for projects that do not warrant a full time employee. The demand for temporary staffing services has increased in response to the Affordable Care Act and Denver Water’s decision to limit the hours a Denver Water Temporary Employee can work in a 12 month period.

Budget Information:

Budget has been approved through each division for 2016.

2016 Budget	\$ 3,742,629.00
Amount Requested This Item	\$ 6,118,347.00
YTD Expenditures	\$ 0.00
Dollars Budgeted for Future Years	\$ 3,546,868.00
Revised Estimate	\$ 0.00
Budget Adjustment	\$

Selection of Business Partner:

Denver Water issued a Request for Proposal (RFP) to the public on the Rocky Mountain E-Purchasing System. 39 proposals were received, 24 were SBE, 10 were WBE and 9 were MBE. Denver Water evaluated each proposer’s experience, organizational qualities, understanding of work, staff, project plan and qualifications, technical knowledge and price. The following proposers were selected:

- Sempera Professional Services, Inc. is a WBE
- Accounting Principals, Inc., dba, Ajilon Professional Staffing is not an SBE or MWBE
- Colorado Network Staffing, Inc. is a WBE
- Express Services, Inc., dba Express Employment Professionals is not an SBE or MWBE
- The Doyle Group, LLC, is an SBE
- Quantix Consulting, Inc., is an SBE

Recommendation:

It is recommended that the Board approve 16105A which will hold the contract funds, (16105B Sempera Professional Services Inc., 16105C Accounting Principals, Inc. dba Ajilon Professional Staffing, 16105D Colorado Network Staffing, Inc., 16105E Express Services Inc. DBA Express Employment Professionals, 16105F The Doyle Group, LLC, and 16105G Quantix Consulting, Inc.) for temporary staffing services for the contract period February 10, 2016 to March 31, 2019, for a total contract amount not to exceed \$6,118,347.00.

**Approvals:**

  
\_\_\_\_\_  
Gail Cagle  
Director of Human Resources

Respectfully submitted,

  
\_\_\_\_\_  
James S. Lochhead  
CEO/Manager

  
\_\_\_\_\_  
Terri Bryant  
Controller