

AGENDA

Denver Board of Water Commissioners

Denver Water Administration Building
1600 West 12th Avenue
Denver, CO
Board Room, Third Floor

Wednesday, April 27, 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. Printer, Copier, and Plotter Maintenance, Repair, and Supply
2. Contract for Street Sweeping Services
3. New Contract Summary
4. Lawn Mowing Services
5. IBM-Maximo Annual Software Subscription & Support Renewal
6. Inter-Governmental Agreement with Boulder County Sheriff
7. Operations Complex Redevelopment Project Work Package No. 3 – Phase I Demolition Change Order No. 1
8. Gross Reservoir 8-inch & 12-inch Howell-Bunger Valve Procurement

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

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



9. Third Amendment to Agreement with MWH Constructors for the Hillcrest Reservoir Tank and Pump Station Replacement Project
10. Tabulation of Proposals for Moffat Tunnel Collection System Vasquez-St. Louis Collection Conduit Siphon 1 Phase II Pipe Replacement
11. Agreement with Burns McDonnell for Onsite Construction Inspection Services for the Siphon 1 Phase II Pipe Replacement and Vasquez Canal Piping Projects Located in Winter Park
12. Gross Reservoir Expansion Program Site-Specific Probable Maximum Precipitation and Inflow Design Flood

B. Individual Approval Items

III. POLICY MATTERS

- A. OCR Update** Jeremy Ross 10 minutes

IV. MONTHLY AND QUARTERLY REPORTS

A. CEO Report

B. CFO Report

1. Monthly Financial Report

C. Operations 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 Report § 24-6-402(4)

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: April 27, 2016

Board Item: II-A-1

Printer, Copier, and Plotter Maintenance, Repair, and Supply Contract # 16369A

Action by Consent

Action

Information

Summary:

The Board requires ongoing maintenance and repair services and supplies for its printers, copiers, and plotters located at facilities throughout the Denver metropolitan areas as well as in the outlying (SOS) areas. For Denver Water's printers and copiers, the contractor provides all labor, parts, and consumables necessary to maintain the imaging devices in good operating condition, at a 'cost-per-click' for black & white pages and color pages, based on actual usage. There are no minimum or maximum page requirements under the contract. For Denver Water's Canon plotters, the Contractor provides parts and labor at a fixed monthly fee; any consumables, such as ink or print heads would be an additional charge.

Budget Information:

Funds for these services are included in the 2016 IT budget; future year expenditures will be included in the proposed 2017 through 2019 budgets.

2016 Budget	\$	258,420
Amount Requested This Item	\$	600,000
YTD Expenditures	\$	34,419
Dollars Budgeted for Future Years	\$	869,874
Revised Estimate	\$	0
Budget Adjustment	\$	0

Selection of Business Partner:

Denver Water issued a Request for Proposals (RFP) in February 2015 for its printer, copier, and plotter maintenance, repair, and supply needs. The RFP was structured into Schedules, with Schedule I covering service and supply for more than 200 of Denver Water's printers and copiers, Schedule II covering service and supply for an Oce large-format plotter, and Schedule III covering service and supply for five Canon large-format plotters. Interested organizations were invited to submit a proposal for any one or combination of Schedules. The RFP was issued via Rocky Mountain E-Purchasing System (BidNet), the Denver Water public website, direct e-mail to the SBE/M/WBE Chamber e-mail list and to 12 known potential respondents. Denver Water received six responses, two of which are SBE organizations and a third is both SBE and WBE.

The selection committee evaluated each proposal based on the organization's ability to provide service coverage to all Denver Water locations and devices within a Schedule, the organization's standard service response time, best practices for preventative maintenance, the qualifications and experience of the account manager and service technicians, and price, among other factors.

Two organizations were invited to interview with the selection team, the incumbent (All Copy Products) and Frontier Business Products. The interviews revealed that Frontier Business Products is not able to provide certified support technicians for several makes of Denver Water's printers, copiers and plotters as indicated in their proposal. The overall comparison of the six respondents to the RFP demonstrated that All Copy is able to provide a better standard of service at a substantially lower price. The selection team recommends award of Schedules I and III to All Copy Products. All Copy Products is neither an SBE nor M/WBE organization. Because none of the respondents were authorized to support the Océ plotter represented on Schedule II of the RFP, Denver Water will maintain a contract with the current service provider, United Reprographics Supply.

Recommendation:

It is recommended that the Board approve Contract No. 16369A with All Copy Products, Inc. for printer, copier, and plotter maintenance, repair, and supply, for the contract period May 1, 2016 through April 30, 2019 for a total contract amount not to exceed \$600,000.

Approvals:

Eric Decker for Chris Dermody
Christopher R. Dermody
Director of Information Technology

Respectfully submitted,

James S. Lochhead
James S. Lochhead
CEO/Manager

Terri Bryant
Terri Bryant
Controller

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: April 27, 2016

Board Item: II-A-2

Contract for Street Sweeping Services Contract # 16174B

Action by Consent

Action

Information

Summary:

Denver Water requires street cleaning services to clean streets where Transmission and Distribution crews have been working. Cleaning the work area after job completion is required by environmental regulations as well as an important component of customer satisfaction. Street cleaning services are also utilized at various Denver Water facilities to maintain paved surfaces and keep them clear of debris. Denver Water currently contracts for these services however additional resources are required to assure coverage for the volume of work in Operations and Maintenance.

Budget Information:

Sufficient funds for these services are included in the 2016 Operations and Maintenance budget. Contract 16174B will utilize the contract funds (\$180,000) initially allocated to Metropolitan Service's contract. No additional funds are being requested.

2016 Budget (Expense Budget Only)	\$	48,000.00
Amount Requested This Item	\$	0.00
YTD Expenditures	\$	9,767.00
Dollars Budgeted for Future Years	\$	0.00
Revised Estimate	\$	0.00
Budget Adjustment	\$	0.00

Selection of Business Partner:

During the initial bid process the recommended vendor, Armstrong Sweeping Inc. was the second lowest bidder. Armstrong has agreed to honor the prices presented in their initial bid.

Recommendation:

It is recommended that the Board approve Contract 16174B with Armstrong Sweeping Inc. for street sweeping services for the contract period December 1, 2015 through November 30, 2017 for a total contract amount not to exceed \$180,000.

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: April 27, 2016

Board Item: II-A-3

New Contract Summary

Action by Consent

Action

Information

The attached pages list new Denver Water contracts that are between \$20,000 and \$100,000 for the First Quarter of 2016. This summary report is provided to the Board quarterly as outlined in the Board's June 2012 Resolution delegating spending authority to the CEO/Manager. The total number of contracts for the First Quarter 2016 between \$20,000 and \$100,000 are 24, including one long term easement. The contracts total \$1,169,291.57 and range in length from 3 months to 39.9 years.

Approvals:



Angela C. Bricmont
Director of Finance

Respectfully submitted,



James S. Lochhead
CEO/Manager



Terri Bryant, CPA
Controller

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: April 27, 2016

Board Item: II-A -4

Lawn Mowing Services Contract # 16610A

Action by Consent

Action

Information

Summary:

Denver Water contracts for turf lawn mowing services at many of its facilities throughout the Denver metropolitan area. Lawn areas are defined as grass areas that have regularly scheduled irrigation and are intended to have a more formal mowed appearance. Outsourcing this activity allows Denver Water grounds crews to focus on performing customer-facing activities like sod replacement and landscape maintenance.

Budget Information:

Funds for these services are included in the 2016 Operations and Maintenance budget; additional funds will be added to the 2017, 2018 and 2019 budgets to cover the remainder of this contract.

2016 Budget	\$	170,000
Amount Requested This Item	\$	120,000
YTD Expenditures	\$	
Dollars Budgeted for Future Years	\$	382,375
Revised Estimate	\$	0
Budget Adjustment	\$	0

Selection of Business Partner:

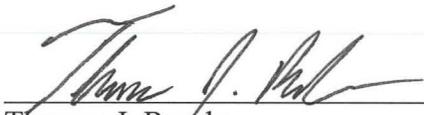
Denver Water issued an Invitation for Bids for lawn mowing services in March 2015 via Rocky Mountain E-Purchasing System (BidNet), the Denver Water public website, and direct e-mail to the SBE/M/WBE Chamber contact list. Denver Water received three bids, all of which are SBE, and none of which are M/WBE.

Landscaping services (which includes lawn mowing) is a covered spend category under Denver Water's Covered Goods and Services MWBE program. The low bidder is A Cut Above Yard Care LLC, which is a SBE organization.

Recommendation:

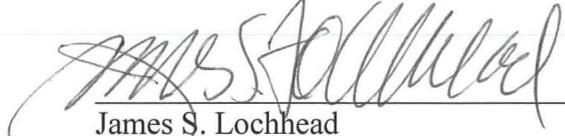
It is recommended that the Board approve Contract No. 16610A with A Cut Above Yard Care LLC for lawn mowing services, for the contract period April 27, 2016 through March 31, 2019 for a total contract amount not to exceed \$120,000.

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: April 27, 2016

Board Item: II-A-5

IBM-Maximo Annual Software Subscription & Support Renewal Contract # 04690D

Action by Consent

Action

Information

Summary:

Denver Water began utilizing IBM's Maximo software in 1996 and has been significantly expanding its use for automated Work and Asset Management capabilities over the past five years. Beginning in July, 2016, we will further expand the use of Maximo to record and report employee labor costs related to projects and other work activities as part of the ORCA Project. In conjunction with this expanded use, Denver Water and IBM have agreed to a Maximo license entitlement conversion, which will increase our authorized user count from 825 to 1,336, effectively enabling all employees and temporary staffing to use the Maximo system with a license entitlement appropriate for their use. This Maximo license entitlement conversion will be implemented on a like-for-like value basis, at no additional cost.

Since April, 2011, annual Maximo software Subscription and Support (S&S) fees were established under a five year audit-resolution contract with IBM, which has now come to an end. Pricing for subsequent annual Maximo S&S fees will be based on IBM's then-current published government pricing schedule, for the converted Maximo license entitlements mentioned above.

Budget Information:

The costs for 2016 Maximo S&S fees are included in the approved 2016 IT Operational Asset Management software budget. (CCCN 170 / MPC 4JN0002 / TOE 5012).

2016 Budget	\$ 1,200,540.00
Amount Requested This Item	\$ 512,790.32
YTD Expenditures	\$ 73,395.00
Dollars Budgeted for Future Years	\$ 897,115.00
Revised Estimate	\$ 1,200,540.00
Budget Adjustment	\$ 0.00

Selection of Business Partner:

IBM provided Denver Water with a quote for the 2016 Maximo S&S renewal based on their current government pricing schedule. Additionally, a quote was requested and received from Insight Public Sector, an IBM LAR (Large Account Reseller), doing business with Colorado governmental agencies through the Western States Contracting Alliance (WSCA), at \$512,790.32. Insights quote is 10% less than IBM's quote of \$571,299.29, and slightly less than the \$519,364.00 contracted amount paid to IBM for the 2015 Maximo S&S renewal. Denver Water Procurement Policies specify that taking advantage of pricing negotiated through another governmental entity's cooperative agreement (such as WSCA) is not subject to competitive selection requirements.

Recommendation:

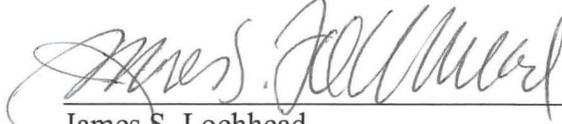
It is recommended that the Board approve Contract Number 04690D with Insight Public Sector for IBM Maximo software Subscription and Support services for the contract period May 1, 2016 to April 30, 2017, at a cost of \$512,790.32, for a total contract amount not to exceed \$512,790.32.

Approvals:



Chris Dermody
Director of Information Technology

Respectfully submitted,



James S. Lochhead
CEO/Manager



Terri Bryant
Controller

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: April 27, 2016

Board Item: II-A-6

Inter-Governmental Agreement with Boulder County Sheriff Agreement 16596A

Action by Consent

Action

Information

Summary:

Gross Reservoir operates under a Federal Energy Regulatory Commission (FERC) license. Included in the license terms is a mandated Recreation Plan that requires Denver Water to provide recreation patrol. Denver Water has fulfilled the requirement to “facilitate law enforcement and public education” with a full time recreation employee since 2003. The Recreation Plan also requires Recreation Rangers and specifies that if additional law enforcement presence is required that those patrols shall be handled by the Boulder County Sheriff’s Office (BCSO) since Gross Reservoir is located within the jurisdiction of the BCSO. Since 2002, Denver Water has contracted with the BCSO to place Rangers at Gross Reservoir during the boating season from May through September.

Contract 16596A approves funds for the BCSO to provide the Ranger patrol of Gross Reservoir in annual payments of \$65,571.20 in 2016, \$67,160.48 in 2017 and \$68,789.49 in 2018. These are “not to exceed” amounts. The total compensation under this IGA, including reimbursable expenses, shall not exceed \$201,521.17.

The 2016 Capital Improvement Plan (MPC 4AN0011) includes sufficient funds for this project.

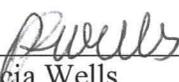
2016 Budget	\$	300,000.00
Amount Requested This Item	\$	201,521.17
YTD Expenditures	\$	83,660.85
Dollars Budgeted for Future Years (2017-2018)	\$	600,000.00
Revised Estimate (2016)	\$	300,000.00
Budget Adjustment	\$	0.00

Recommendation

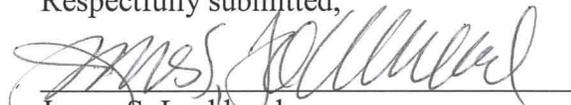
It is recommended that the Board approve Contract 16596A with the BCSO for the Intergovernmental Agreement for Ranger Patrol of Gross Reservoir in the amount of \$201,521.17.

Approvals:


Robert J. Mahoney
Director of Engineering


Patricia Wells
General Counsel

Respectfully submitted,


James S. Lochhead
CEO/Manager


Terri Bryant
Controller

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: April 27, 2016

Board Item: II-A-7

**Operations Complex Redevelopment Project
Work Package No. 3 – Phase I Demolition
Contract 15630D – Change Order No. 1**

Action by Consent

Action

Information

Summary:

On August 26, 2015, a contract was awarded to Mortenson Construction for construction of the Operations Complex Redevelopment (OCR) project. This contract is broken down into multiple Work Packages, consisting of Contracts 15630A-G, each with its own Guaranteed Maximum Price.

Change Order No. 1 is for the soil remediation work associated with the north properties between W. 12th Avenue and W. 13th Avenue on Shoshone St. This work was not included in Mortenson’s original construction contract, but was anticipated and included in the OCR project budget line item for site environmental remediation. This work includes removal and disposal of existing contaminated soil and import of clean soil as a subgrade for the temporary employee and permanent visitor parking lot.

Budget Information:

The 2016 Capital Improvement Plan (MPC 1HA0006) includes sufficient funds for this change order.

2016 Budget	\$	29,000,000.00
Amount Requested This Item	\$	375,000.00
YTD Expenditures	\$	5,585,156.53
Dollars Budgeted for Future Years (2017 – 2020)	\$	150,000,000.00
Revised Estimate (2016)	\$	29,000,000.00
Budget Adjustment	\$	0.00

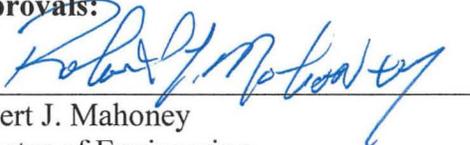
Selection of Business Partner:

Mortenson was selected through a quality based selection process in April 2014 as the Construction Manager at Risk (CMAR) for the OCR Project. As the CMAR, Mortenson has the knowledge of the site, control of the construction schedule, and the resources to complete this change order on the required schedule.

Recommendation:

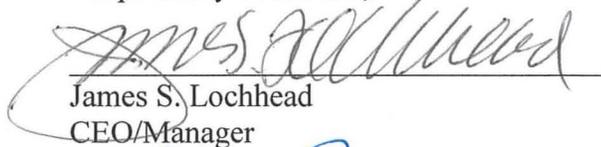
It is recommended that the Board approve Change Order No. 1 to Contract 15630D with Mortenson Construction for the soils remediation work associated with the north properties for an amount not to exceed \$375,000.00 for a total amended contract amount not to exceed \$1,243,926.00.

Approvals:



Robert J. Mahoney
Director of Engineering

Respectfully submitted,



James S. Lochhead
CEO/Manager



Terri Bryant
Controller

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: April, 27, 2016

Board Item: II-A-8

**Gross Reservoir 8-Inch & 12-Inch Howell-Bunger Valve Procurement
Contract 16702A**

Action by Consent

Action

Information

Summary:

The Gross Reservoir outlet works was constructed in 1978. There are five free-discharge valves located in the outlet works which consists of an 8-inch, 12-inch, 18-inch, 36-inch, and 54-inch “Howell-Bunger” type fixed-cone valves. These fixed-cone valves are used to discharge water into South Boulder Creek.

In 2015, Engineering completed a detailed report of the current condition of all free discharge valves at Gross Reservoir. The inspection revealed the 8-inch and 12-inch “Howell-Bunger” type fixed-cone valves have extensive erosion damage to the internal valve support components. The damage on the valves’ internal reinforcing ribbing cannot be repaired economically, therefore, new valves are being purchased to replace these valves.

Engineering is purchasing the 8-inch and 12-inch “Howell-Bunger” type fixed-cone valves for the Denver Water Shops personnel to install.

Budget Information:

The 2016 Capital Improvement Plan (MPC 2AA5049) includes sufficient funds for 2016. Funds will be added to the 2017 Capital Improvement Plan for commissioning services in 2017.

2016 Budget	\$	190,000.00
Amount Requested This Item	\$	124,080.00
YTD Expenditures	\$	0.00
Dollars Budgeted for Future Years	\$	0.00
Revised Estimate	\$	190,000.00
Budget Adjustment	\$	0.00

Selection of Business Partner:

Three manufacturers were contacted and evaluated for bidding on the contract. Two of the manufacturers were approved and were issued an Invitation for Bids (IFB) on March 30, 2016. The IFB was listed on Rocky Mountain E-Purchasing System (BidNet), the Denver Water public website, and direct e-mailed to the SBE/M/WBE Chamber e-mail list.

On April 13, 2016 one bid was received for the procurement of 8-inch and 12-inch “Howell-Bunger” type fixed-cone valves for Gross Reservoir outlet works.

Steel-FAB Inc. was selected with a competitive price compared to value pricing on previous projects, meeting contract and construction schedule, and adhering to all requirements outlined in the engineering specifications and drawings.

Recommendation:

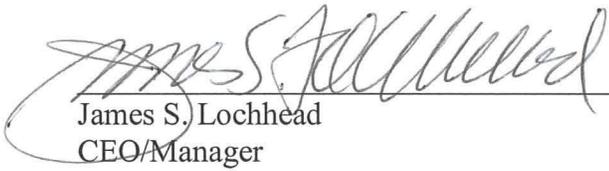
It is recommended that the Board approve Contract 16702A with Steel-FAB, Inc. for providing 8-inch and 12-inch "Howell-Bunger" type fixed cone valves for the contract period April 27, 2016 through July 31, 2017 for a total contract amount not to exceed \$124,080.00.

Approvals:

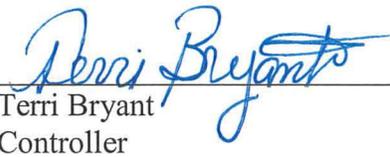
Respectfully submitted,



Robert J. Mahoney
Director of Engineering



James S. Lochhead
CEO/Manager



Terri Bryant
Controller

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: April 27, 2016

Board Item: II-A-9

Third Amendment to Agreement with MWH Constructors for the Hillcrest Reservoir Tank and Pump Station Replacement Project Agreement 15678A

Action by Consent

Action

Information

Summary:

The Hillcrest storage basins and pump station are more than 50 years old and are near the end of their useful life. The Board entered into an Agreement for design-phase construction management services for the Hillcrest Reservoir Tank and Pump Station Replacement Project on November 12, 2014. The Construction Management Services were contracted with MWH Constructors.

The original agreement included tank and pump station design-phase construction management services through 30% level of design. The first amendment was to extend the Agreement date from March 31, 2015 through April 30, 2016 to accommodate the pump station design schedule. The second amendment was to extend the design-phase construction management services for the tank design only through Final for Construction level.

The pump station design phase of the project has reached the 30% level, and an amendment to extend the pump station design-phase construction management services through Final for Construction level has been negotiated.

Budget Information:

The pump station design will continue into 2018 with funds being allocated over three years.

The proposed 2016 Capital Improvement Plan (MPC 1DB0062-Reservoirs and MPC 2DB0329-Pump Station) includes sufficient funds for design-phase construction management services in 2016. Remaining funds will be budgeted in future years.

2016 Budget	\$	12,200,000.00
Amount Requested This Item	\$	167,853.43
YTD Expenditures	\$	1,400,758.24
Dollars Budgeted for Future Years (2017-2018)	\$	50,500,000.00
Revised Estimate (2016)	\$	12,200,000.00
Budget Adjustment	\$	0.00

Selection of Business Partner:

Three firms were originally selected to submit proposals from a field of six that responded to a request for Statement of Qualifications (SOQ). Three proposals were received and were ranked on criteria including skills, experience, support capabilities, and cost. The highest ranked proposal was submitted by MWH Constructors.

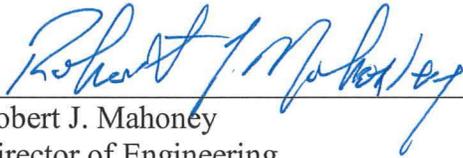
MWH Constructors was contracted as the Hillcrest Reservoir Tanks and Pump Station Replacement project construction-phase Construction Manager at Risk for Contract 15979A on November 4, 2015 and it is beneficial for Denver Water to continue working with MWH Constructors to ensure proper coordination of the pump station design with the construction phasing.

There was no Minority Women Business Enterprise (MWBE) participation goal required for the design portion of this agreement. MWBE participation is required through the project's construction phases.

Recommendation:

It is recommended that the Board approve the Third Amendment to Agreement 15678A with MWH Constructors for the 30% to Final for Construction design-phase construction management services of the Hillcrest Reservoir Tank and Pump Station Replacement Project for the dates May 1, 2016 through August 31, 2018 for an additional \$167,853.43, for a total amended contract amount not to exceed \$655,375.68.

Approvals:



Robert J. Mahoney
Director of Engineering

Respectfully submitted,



James S. Lochhead
CEO/Manager



Terri Bryant
Controller

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: April 27, 2016

Board Item: II-A-10

Tabulation of Proposals for Moffat Tunnel Collection System Vasquez-St. Louis Collection Conduit Siphon No 1 Phase II Pipe Replacement Contract 16503A

Action by Consent

Action

Information

Summary:

On April 7, 2016 proposals were received for the Moffat Tunnel Collection System Vasquez-St. Louis Collection Conduit Siphon No 1 Phase II Pipe Replacement project. Siphon 1 was installed in the mid-1930s as a key component of the original Moffat Collection System. Replacement of the siphon is needed to address age and condition concerns. Phase 1 of the project, which was completed in 2013, consisted of installation of 1,171 feet of 72-inch pipe down the slope of the Winter Park Ski Area; additional phases to replace Siphon 1 to the west portal of the Moffat Tunnel are planned for subsequent years. This phase of the project consists of replacement of 255 feet of 72-inch diameter steel pipe located inside a large concrete vault, referred to as the chase, adjacent to the West Portal building at the base of the Winter Park Ski Area.

Budget Information:

The 2016 Capital Improvement Plan (MPC 2AA0812) does not include sufficient funds for this project. A project budget adjustment is recommended by the System and Program Managers.

2016 Budget	\$	1,600,000.00
Amount Requested This Item	\$	1,597,000.00
YTD Expenditures	\$	25,751.04
Dollars Budgeted for Future Years	\$	0.00
Revised Estimate	\$	1,900,000.00
Budget Adjustment	\$	300,000.00

Selection of Business Partner:

Denver Water solicited proposals from four Contractors on our Prequalified Contractors List under the Civil Pipelines discipline. This Contract was a restricted proposal process using Instruction to Proposers on the QuestCDN platform. Four General Contractors were pre-qualified to propose on the work and all four submitted proposals. The lowest qualified proposal was submitted by Garney Companies, Inc. of Littleton, Colorado in the amount of \$1,597,000.00. The Engineer's Opinion of Probable Cost prepared by Western Summit Construction for the work was \$2,790,000.00.

The Minority and Women Business Enterprise (MWBE) goal established for this construction project is 3.0% participation. Garney Companies, Inc. achieved 4.94% MWBE participation.

Recommendation:

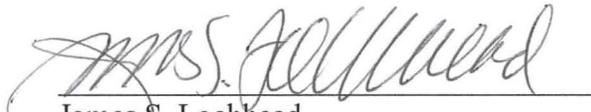
It is recommended that the Board approve Contract 16503A with Garney Companies, Inc. for construction of the Moffat Tunnel Collection System Vasquez-St. Louis Collection Conduit Siphon No. 1 Phase II Pipe Replacement project for a contract period of April 27, 2016 through December 2, 2016 for a total contract amount \$1,597,000.00.

Approvals:



Robert J. Mahoney
Director of Engineering

Respectfully submitted,



James S. Lochhead
CEO/Manager



Terri Bryant
Controller

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: April 27, 2016

Board Item: II-A-11

Agreement with Burns McDonnell for Onsite Construction Inspection Services for the Siphon 1 Phase II Pipe Replacement and Vasquez Canal Piping Projects Located in Winter Park Agreement 16233B

Action by Consent

Action

Information

Summary:

The existing Siphon No. 1 and Vasquez Canal have reached the end of their useful lives and must be replaced. The replacement projects include the following: Siphon No. 1 Phase II Pipe Replacement – replacement of 240 feet of 72-inch diameter steel pipe located within a concrete chase, and site restoration; Vasquez Canal Piping – removal of the existing concrete canal and the installation of 2,000 feet of new 114-inch diameter reinforced concrete pipe, and site restoration.

Construction project inspection and oversight will be provided through consultant services as Denver Water's Construction Management staff currently does not have sufficient resources available to staff these projects. The Work under this Agreement shall consist of providing oversight and making observations during the installation of major components, including site mobilization and demobilization, demolition of existing pipe and concrete canal, excavation and installation of new piping, and site restoration. Consultant will also prepare Record Drawings for submittal to Denver Water. On February 19, 2016, consultant proposals were received for Construction Inspection Services for the Siphon No. 1 Phase II Pipe Replacement and Vasquez Canal Piping Projects in Winter Park. Burns and McDonnell was subsequently selected for this work.

Budget Information:

The 2016 Capital Improvement Plan (MPC 2AA0812 and MPC 1AG0010) includes sufficient funds for this project.

2016 Budget	\$	2,900,000.00
Amount Requested This Item	\$	187,190.00
YTD Expenditures	\$	23,930.54
Dollars Budgeted for Future Years (2017)	\$	4,200,000.00
Revised Estimate	\$	2,900,000.00
Budget Adjustment	\$	0.00

Selection of Business Partner:

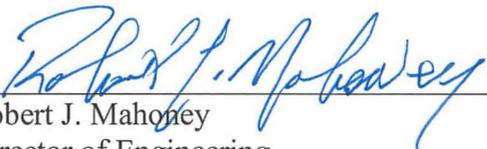
Denver Water solicited RFPs from four Consulting Firms from the On-Call General Engineering Services List. Two firms submitted proposals. The proposals were evaluated based on the following criteria: firm experience, designated personnel proposed for the Work of a similar nature to the Project, availability of designated personnel to perform the required duties, and cost of proposed services. Burns and McDonnell's proposal was ranked first by the selection committee.

Recommendation:

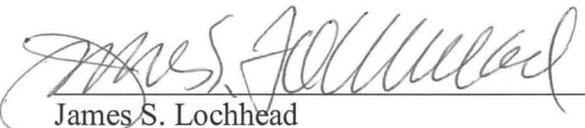
It is recommended that the Board approve Agreement 16233B with Burns McDonnell for the Construction Inspection Services for Siphon 1 Phase II and Vasquez Canal Piping in Winter Park for a total contract amount not to exceed \$187,190.00.

Approvals:

Respectfully submitted,



Robert J. Mahoney
Director of Engineering



James S. Lochhead
CEO/Manager



Terri Bryant
Controller

DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: April 27, 2016

Board Item: II-A-12

Gross Reservoir Expansion Program Site-Specific Probable Maximum Precipitation and Inflow Design Flood Contract # 16715A

Action by Consent

Action

Information

Summary:

Denver Water solicited proposals to provide civil engineering and hydrometeorological services for development of the site-specific probable maximum precipitation (SSPMP) and inflow design flood (IDF) as part of the preliminary engineering for the Gross Reservoir Expansion Program. The study will define the flood criteria for the new dam as required by the Federal Energy Regulatory Commission (FERC) and the Colorado Office of the State Engineer (SEO). This design criteria will influence the overall configuration of the new dam and spillway, and is a long lead-time activity that will affect the schedule of the final dam design.

Due to the regulatory-driven nature of this study, there is potential for additional work that would have to be completed under a future amendment to this Agreement. The risk for additional work, and associated schedule delays, will be managed through a stakeholder-endorsed project execution plan which will define the technical approach, key milestones, and allow the regulators to provide guidance prior to initiating work.

Budget Information:

The 2016-2017 Capital Improvement Plan (MPC 1AL0014) includes sufficient funds for development of the SSPMP and IDF for the Gross Reservoir Expansion Program.

2016 Budget	\$	2,000,000.00
Amount Requested This Item	\$	329,656.00
YTD Expenditures	\$	160,861.43
Dollars Budgeted for Future Years	\$	10,000,000.00
Revised Estimate	\$	2,000,000.00
Budget Adjustment	\$	0.00

Selection of Business Partner:

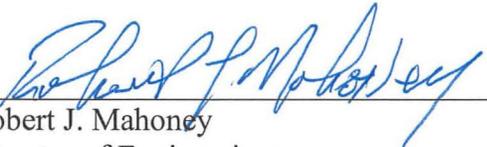
Denver Water publicly advertised a Request for Proposals via www.denverwater.org. Firms currently involved with the Moffat Collection System Environmental Impact Statement Project were judged to be in a conflict of interest position and were not allowed to propose on this project. Proposals were received from seven firms and were evaluated on pre-defined Quality-Based Selection criteria. Following evaluation of the proposals, two teams were short-listed for interviews. Based on the selection criteria and interviews, the selection committee determined that the MWH Americas, Inc. team and proposal provides the best value to Denver Water.

Due to the specialized nature of the work, there was no MWBE goal established for this Agreement. However, the overall Gross Reservoir Expansion Program will establish participation goals for the design and construction phases of the program.

Recommendation:

It is recommended that the Board approve Agreement 16715A with MWH Americas, Inc. for development of the Site-Specific Probable Maximum Precipitation and Inflow Design Flood for Gross Reservoir Expansion Program for the contract period of May 2016 through July 2017 for a total contract amount not to exceed \$329,656.00.

Approvals:



Robert J. Mahoney
Director of Engineering

Respectfully submitted,



James S. Lochhead
CEO/Manager



Terri Bryant
Controller