

## REQUEST FOR COUNCIL ACTION

**SUBJECT:** 2014 Water Pipeline Projects (several small waterline projects)

**SUMMARY:** Approve Amendment No. 1 with Bowen Collins & Associates Inc. for additional engineering services for the design and bid of 2 small water pipelines and 3 previously designed water projects at various locations within the City, in an amount not-to-exceed \$16,450.00.

**FISCAL**

**IMPACT:** The funds for this project are available in Capital Projects Water account.

**STAFF RECOMMENDATION:**

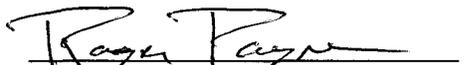
Staff recommends approval of Amendment No. 1 with Bowen Collins & Associates for additional engineering services for the 2014 Water Pipeline Project, in an amount not-to-exceed \$16,450.00.

**MOTION RECOMMENDED:**

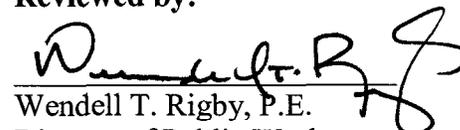
"I move to adopt Resolution No. 14-128 authorizing the Mayor to execute Amendment No. 1 with Bowen Collins & Associates for additional engineering services for the 2014 Water Pipeline Project, in an amount not-to-exceed \$16,450.00.

Roll call vote required.

**Prepared by:**

  
Roger Payne, P.E.  
Engineering Manager for Utilities

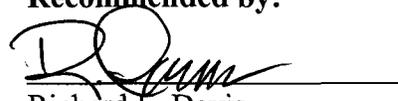
**Reviewed by:**

  
Wendell T. Rigby, P.E.  
Director of Public Works

**Reviewed as to Legal Sufficiency:**

  
Jeffery Robinson  
City Attorney

**Recommended by:**

  
Richard L. Davis  
City Manager

## **BACKGROUND DISCUSSION:**

Several water distribution pipelines located around the City need to be constructed this year. Last year the City was able to design seven water projects, but only had enough funding to build 4 of the projects. This year, the City needs to construct the remaining 3 water pipeline projects and design and construct 2 additional water projects in various locations throughout the City. These proposed pipelines are included in the Master Plan and Strategic Plan. The new water distribution pipelines will improve the distribution system by improving water circulation, improving fire flows capacity, extend water service into additional areas and help solve some existing water distribution problems. A list of the project sites follows.

- 7800 South, 1410 West to approx. 1600 West (1300 ft)
- 5200 West, Old Bingham Highway to 9800 South (100 ft)
- Feulner Park Road, Dannon Way to 9450 South (1500 ft)
- 2200 West, Williamsburg Circle to 9275 South (775 ft)
- Jordan Valley Way and Norris View Lane (150 ft)

The first 3 projects have already been designed by Bowen Collins and Associates last year, but they were not constructed due to a lack of funding. These projects will be combined with the last two projects that need to be designed, and all projects will be included in the same bid package.

Staff recommends that Bowen Collins & Associates contract for engineering services be amended to add design services for the additional 2 projects and to prepare a new bid package of all the remaining water projects. The additional amount is \$16,450.00. Funds for this project are available in the Capital Projects Water Fund.

### **Attachments:**

Resolution

Fee Proposal for Amended Water Pipe Projects Design and Bid Package

Amendment No. 1

**THE CITY OF WEST JORDAN, UTAH**  
A Municipal Corporation

RESOLUTION NO. 14-128

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE AMENDMENT NO. 1  
WITH BOWEN COLLINS & ASSOCIATES FOR  
THE 2014 WATER PIPELINE PROJECTS

Whereas, the City Council of the City of West Jordan has reviewed Amendment No. 1 to the Agreement between the City of West Jordan and Bowen Collins & Associates (a copy which is attached) for design services for the 2014 Water Pipeline Projects in the additional amount not to exceed \$16,450.00; and

Whereas, the City Council desires to award and enter into Amendment No. 1 with Bowen Collins & Associates which Amendment shall not be binding upon the City of West Jordan unless and until the contract is fully executed by the parties; and

Whereas, Amendment No. 1 between the City of West Jordan and Bowen Collins & Associates for additional design services for the 2014 Water Pipeline Projects in an amount not-to-exceed \$16,450.00 has been reviewed; and

Whereas, the City Council of the City of West Jordan has determined that the attached Amendment No. 1 with Bowen Collins & Associates for additional design services in an amount not-to-exceed \$16,450.00 is acceptable for the purpose of completing the 2014 Water Pipeline Projects.

NOW, THEREFORE, IT IS RESOLVED BY THE CITY COUNCIL OF WEST JORDAN, UTAH:

Section 1. After approval as to legal form by the City Attorney, the Mayor is hereby authorized to execute an Amendment No. 1 between the City of West Jordan and Bowen Collins & Associates in an amount not to exceed \$16,450.00.

Section 2. This Resolution shall take effect immediately.

Adopted by the City Council of West Jordan, Utah, this 9th day of July 2014.

CITY OF WEST JORDAN

ATTEST:

By: \_\_\_\_\_  
Kim V. Rolfe  
Mayor

\_\_\_\_\_  
MELANIE BRIGGS  
City Recorder

RESOLUTION NO. 14-128

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE AMENDMENT NO. 1  
WITH BOWEN COLLINS & ASSOCIATES FOR  
THE 2014 WATER PIPELINE PROJECTS

Voting by the City Council	"AYE"	"NAY"
Jeff Haaga	_____	_____
Judy Hansen	_____	_____
Chris McConnehey	_____	_____
Chad Nichols	_____	_____
Ben Southworth	_____	_____
Justin D. Stoker	_____	_____
Mayor Kim V. Rolfe	_____	_____

**AMENDMENT NO. 1**  
**TO AN AGREEMENT**  
**FOR PROFESSIONAL SERVICES**  
**BEWTEEN THE CITY OF WEST JORDAN**  
**AND**  
***BOWEN COLLINS & ASSOCIATES***

THIS AMENDMENT, made and entered into this 9<sup>th</sup> day of July 2014 by and between the CITY OF WEST JORDAN, a municipal corporation (hereinafter referred to as "City"), and Bowen Collins & Associates (hereinafter referred to as "Consultant").

The City and Consultant agree as to amend the following sections of the original Professional Services Agreement to provide for additional engineering services for the 2014 Water Pipeline Projects.

2. **DESCRIPTION OF SERVICES**

The services to be performed by Consultant are as follows:

Provide additional environmental services and preliminary design work for the Project as described in the attached Consultant's proposal date June 6, 2014.

3. **COMPENSATION AND PAYMENT**

The total compensation payable to Consultant by City for the services described in Paragraph 2 shall not exceed the sum of **\$16,450.00** for Amendment No. 1 bringing the total not-to exceed fee to \$63,067.00 for services under this contract and fee shall be earned on an hourly basis as indicated in the Professional Services Agreement.

In concurrence and witness whereof, this Agreement has been executed by the parties effective on the date and year first above written.

CITY OF WEST JORDAN

\_\_\_\_\_  
Kim V. Rolfe, Mayor

APPROVED AS TO ADMINISTRATION:

\_\_\_\_\_  
Melanie Briggs, MMC  
City Recorder

**APPROVED AS TO LEGAL FORM**  
West Jordan City Attorney

By: Daniel DeLeon Date: 7-1-14

CONSULTANT

By: Craig R. Bagley  
Its: Vice President

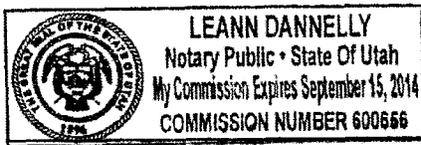
STATE OF Utah )  
:SS  
COUNTY OF Salt Lake

On this 24 day of June, 2014, personally appeared before me,  
Craig R Bagley, who being by me duly sworn did say that he is the  
Vice President of Bowen, Collins & Associates, Inc., a  
corporation, and that the foregoing instrument was signed in behalf of said corporation by  
authority of its Board of Directors, and he acknowledged to me that said corporation executed the  
same.

Leann Dannelly  
NOTARY PUBLIC

My Commission Expires: September 15, 2014

Residing in Salt Lake County, Utah



**EXHIBIT A**  
(Consultant Proposal)

**ATTACHMENT A  
WEST JORDAN CITY  
2014 WATER PIPELINES PROJECT**

**SCOPE OF SERVICES  
Last Update June 6, 2014**

**Background**

In 2013, BC&A designed the 2013 Water Pipeline Projects for West Jordan City that consisted of seven small waterline projects in different parts of the City. Only four of the projects were constructed in 2013 because of bidding and budget constraints. For 2014, the City would like to re-bid the three projects that were not constructed in 2013 and would like to add two additional small waterline projects. The purpose of this scope of services is to define the work to accomplish this objective.

**Scope of Work**

**Task 1 – 1: Progress and Coordination Meetings.** BC&A staff will meet with West Jordan City personnel to identify final design elements. We will also meet to review the project at the 90% design stage. We will also meet with personnel from the affected utility companies as needed during the project design to coordinate potential utility conflicts. Information regarding the project and other available data obtained during design will be reviewed with West Jordan City during these meetings.

**Task 1 – 2: Utility Investigations.** For the 2200 West Project, and the Jordan Valley Way project, BC&A staff will perform a records search and field review of utilities within the project area(s). As part of this task, we will collect utility maps and location data from various utility companies and add the approximate locations of major buried utilities as a layer on a digital basemap. Where major utilities could affect construction of the waterline improvements, we will require the contractor to pothole potential conflicts prior to beginning construction. It has been assumed that no additional utility investigations will be needed for the bid schedules designed in 2013.

**Task 1 – 3: Field Reconnaissance.** For the 2200 West and Jordan Valley Way project areas, we have assumed that existing digital aerial photography provided by the Utah State - Automated Geographic Reference Center (AGRC) or existing design information (in pdf format) will be provided for the base mapping of the project. To supplement the information on the digital photographs or existing design drawings (by others), field reconnaissance will be completed for the 2200 West and Jordan Valley Way project areas. The field reconnaissance will confirm the major surface features, known utility locations, depths of pipes at existing manholes, water meters, and collect topographic information within the project area. BC&A will perform field reconnaissance to verify location of utilities and document existing conditions along the project. It is assumed that no additional utility searches or field reconnaissance will be needed at the other project sites (from 2013).

**Task 1 – 4: Final Design.** BC&A will revise the “2013 Water Pipeline Projects” for general conditions, bidding, and contract legal documents as needed for the “2014 Water Pipeline Projects. We will prepare up to 2 additional plan drawings to be included with past design drawings that will define work associated with 5 separate bid schedules. The drawings will include:

Sheet No.	Drawings
G-1	Project Location Map, Index to Drawings, and Vicinity Map
G-2	Abbreviations, and Symbols
G-3	General Notes
C-1	Project Area A - Plan - 7800 South
C-2	Project Area A - Plan - 7800 South
C-6	Project Area C - Plan - 5200 West
C-8	Project Area D - Plan - Feulner Park Dr
C-9	Project Area D - Plan - Feulner Park Dr
C-14*	Project Area H - Plan - 2200 West
C-15*	Project Area I - Plan - Jordan Valley Way
GC-1	General Details - 1
GC-2	General Details - 2
GC-3	General Details - 3
GC-4	General Details - 4
GC-5	General Dtails - 5

\*C-14 and C-15 are the only new drawings included as part of this scope

**Task 1 – 5: Contract Documents.** BC&A will prepare technical specifications and contract documents for the project, in accordance with the City’s standard bid documents, contract documents and APWA 2012 modified specifications. BC&A will provide up to five copies of a 95 percent draft for review by the City. We will provide two reproducible copies of final contract documents (both half and full-size), and a digital copy of contract documents (PDF format) for electronic distribution. We will provide the City with a digital copy of drawings in AutoCAD format.

**Task 1 – 6: Construction Cost Estimate.** BC&A staff will prepare a construction cost estimate for the project. This opinion of probable construction cost will be prepared and coordinated with West Jordan City in a way that bid phasing can be developed to match funding if necessary.

**Phase 2 – Bid Period Services**

BC&A will provide up to 6 hours of consulting services during the bid period on an as-needed basis answering and addressing contractor questions or performing other tasks as requested by the City.

**Phase 3 – Construction Period Services**

**Task 3-1: Pre-Construction Meeting.** BC&A staff will coordinate one pre-construction meeting, prepare the agenda, document the meeting, and distribute notes of the meeting. The meeting will be two hours long and include the contractor, West Jordan City, and others as needed.

**Task 3-2: Services During Construction.** BC&A will help City personnel review submittals (up to 8 hours), provide assistance in preparing any needed field orders, work change directives, and change orders, and attend weekly on-site progress meetings with the contractor as requested by the City. BC&A will aid in the processing of pay request paper work with the aid of West Jordan City inspection personnel. The enclosed fee estimate is based upon the assumption that construction will take place over a period of 7 weeks (with 4 hours of construction services per week).

**Task 3-3: Record Drawings.** BC&A will use the redline drawings provided by the Contractor and/or City inspectors to develop record drawings for the 2013 Water Pipeline Projects and the 2014 Water Pipeline Projects. Record drawings will be provided to the City in CAD, PDF, and Paper Hard Copy formats.

ATTACHMENT B

Engineering Man-Hour, Fee Estimate, and Schedule  
West Jordan City - 2014 Water Pipelines Project - Added Scope

Last Updated 5/13/2013

Expenses include:

Mileage reimbursement at \$0.75/mile

10% Markup on Outside Services

Task No.	Labor Category	Office/Support		Technicians				Engineers			Subtotal Hours	Subtotal Labor	Subtotal Expenses
		Office	Editor	Tech 3	Tech 6	Tech 1	Const. Mngr.	EIT	Proj. Eng.	Proj. Mngr.			
	Staff	Skousen	Hansen	Abel	Garcia	J. Collins	Williams	Anderson	McKinnon	C. Bagley			
	Labor Rate	\$71	\$71	\$97	\$116	\$73	\$108	\$100	\$106	\$148			
<b>Task No.</b>	<b>Task Description</b>												
<b>Design Phase Services</b>													
1-1	Progress and Coordination Meetings	1							4	4	9	\$1,087	\$45
1-2	Utility Investigation							4			4	\$400	\$0
1-3	Field Survey and Field Reconnaissance							4			4	\$400	\$15
1-4	Final Design	1		20	2			16	8	2	49	\$4,987	\$15
1-5	Contract Documents		6					2	8	1	17	\$1,622	\$0
1-6	Construction Cost Estimate							6	2		8	\$812	\$0
	<b>Design Phase Subtotal</b>	<b>2</b>	<b>6</b>	<b>20</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>22</b>	<b>7</b>	<b>91</b>	<b>\$9,308</b>	<b>\$75</b>
<b>Bid Period Services</b>													
2-1	Bid Period Services								6		6	\$636	\$15
									6		6	\$636	\$15
<b>Construction Period Services</b>													
3-1	Pre-Construction Meeting	1							4		5	\$495	\$27
3-2	Services During Construction								36		36	\$3,816	\$105
3-3	Record Drawings		2	36				4	4		46	\$4,458	\$15
	<b>Construction Phase Subtotal</b>	<b>1</b>	<b>2</b>	<b>36</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>44</b>	<b>0</b>	<b>87</b>	<b>\$8,769</b>	<b>\$147</b>
	<b>Total Hours</b>	<b>3</b>	<b>8</b>	<b>56</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>36</b>	<b>66</b>	<b>7</b>	<b>178</b>		
<b>Additional Scope Grand Total</b>												<b>\$18,713</b>	<b>\$237</b>
<b>Remaining Budget from CW 13-02</b>													
<b>Request Change Order Total</b>													