

REQUEST FOR COUNCIL ACTION

SUBJECT: Bingham Creek Culvert Crossing Minor Design Improvements and Construction Management Amendment

SUMMARY: Approve Amendment No. 3 to the Professional Services Agreement with Ensign Engineering Inc. to improve the design for roadside safety barriers, channel lining, and limited construction management for the Bingham Creek Culvert.

FISCAL IMPACT: Funds are available in the Capital Projects Storm Account.

STAFF RECOMMENDATION:

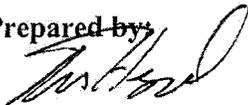
Staff recommends approval of Amendment No. 3 to the Professional Services Agreement with Ensign Engineering for additional engineering services for the Bingham Creek Culvert Project, in an amount not to exceed \$3,500.00.

MOTION RECOMMENDED:

"I move to adopt Resolution No. 15-15 authorizing the Mayor to execute Amendment No. 3 to the Professional Services Agreement with Ensign Engineering for additional engineering services for the Bingham Creek Culvert Project, in an amount not to exceed \$3,500.00.

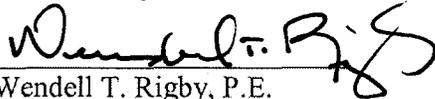
Roll Call vote required

Prepared by:



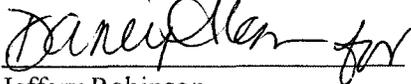
Tim Heyrend, P.E.
Utilities Engineer

Reviewed by:



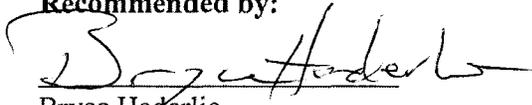
Wendell T. Rigby, P.E.
Director of Public Works

Reviewed as to Legal Sufficiency:



Jeffery Robinson
City Attorney

Recommended by:



Bryce Haderlie
Interim City Manager

BACKGROUND DISCUSSION:

The Bingham Creek culvert crossings (1300 West 8200 South and 4000 West 10200 South) project is anticipated to start construction on January 29th. The majority of construction management services will be taken care of in-house by the Capital Facilities Group; however, some limited construction management is expected from the design engineer Ensign Engineering for assistance with 2 field inspection visits, change orders, contractor requests for information, and as-built drawings. This was not included in the original scope of services.

Another design modification to the drawings is to add roadside safety barriers along the culvert steep embankments and above a retaining wall with an 8-foot drop off. The design presently includes high backed curb, which is difficult for a vehicle to mount over, and a park strip and sidewalk buffer zone. However; due to the American Association of State Highway and Transportation Officials (AASHTO) Roadside Design Guide, roadside railing and jersey barriers, and a 30" raised retaining wall are needed for the safety of stray vehicles that may veer off the road. Ensign engineering is proposing to perform the design changes for \$1,000.00.

The County also required the City to modify the plans for change out of the proposed channel lining flex-a-mat to rip rap and with the addition of more gabion baskets. Ensign provided this change to the plans for \$730.00. Another small change to the plan set occurred when Questar Gas was unable to install their new gas line by directional boring last fall. The existing groundwater at the 1300 West culvert site filled up the borehole and prevented them from installing the gas pipeline. Ensign provided an updated change to the drawings and the specification documents for the contractor to work with Questar gas this spring to have the pipeline relocated. The cost for this change was \$270.00. The total cost for additional engineering services being requested is \$3,500.00. These extra required services are detailed in the attached breakdown from Ensign Engineering.

Attachments:

- Ensign letter
- Resolution
- Amendment No. 3

THE CITY OF WEST JORDAN, UTAH

A Municipal Corporation

RESOLUTION NO. **15-15**

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE AMENDMENT NO. 3 TO THE PROFESSIONAL SERVICES AGREEMENT BETWEEN THE CITY AND ENSIGN ENGINEERING FOR THE BINGHAM CREEK CULVERT PROJECT

WHEREAS, the City Council of the City of West Jordan has reviewed Amendment No. 3 to the Professional Services Agreement between the City of West Jordan and Ensign Engineering (a copy of which is attached) for additional engineering services for the Bingham Creek Culvert Crossing Project in an amount not to exceed \$3,500.00; and

WHEREAS, the City Council of the City of West Jordan desires to approve Amendment No. 3 to a Professional Services Agreement with Ensign Engineering for additional engineering services for the Bingham Creek Culvert Crossing Project in an amount not to exceed \$3,500.00.

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

Section 1. After approval as to legal form, the Mayor is hereby authorized and directed to approve Amendment No. 3 to the Professional Services Agreement with Ensign Engineering for additional engineering services for the Bingham Creek Culvert Crossing Project in an amount not to exceed \$3,500.00.

Section 2. This Resolution shall take effect immediately upon passage.

Adopted by the City Council of West Jordan, Utah this 28th day of January 2015.

Kim V. Rolfe
Mayor

ATTEST:

MELANIE S. BRIGGS
City Recorder

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. 3
TO AN AGREEMENT
FOR PROFESSIONAL SERVICES
BETWEEN THE CITY OF WEST JORDAN
AND
ENSIGN ENGINEERING

THIS AMENDMENT, made and entered into this 28th day of January 2015 by and between the CITY OF WEST JORDAN, a municipal corporation (hereinafter referred to as "City"), and Ensign Engineering (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 Bingham Creek Culvert Crossing Project.

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 January 15, 2015.

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 **\$3,500** for Amendment No. 3 bringing the total not-to exceed fee to \$82,830.00 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

CONSULTANT

By: _____

Its: _____

STATE OF _____)

:SS

COUNTY OF _____)

On this ____ day of _____, 20____, personally appeared before me,
_____, who being by me duly sworn did say that he is the
_____ of _____, 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.

NOTARY PUBLIC

My Commission Expires:

Residing in _____ County, _____

EXHIBIT A
(Consultant Proposal)



January 15, 2015

Tim Heyrend, P.E.
West Jordan City
8000 South Redwood Road
West Jordan City, Utah 84088

RE: Bingham Creek Culvert Replacement Project – Additional Services

Dear Tim,

Based on yesterday's meeting I have generated the following Scope of Services with costs.

Construction Management Services

Estimated Fee \$1500.00

- Two (2) site visits
- Assistance with Change Orders
- Assistance with Contractor Requests for Information (RFI's)
- As Built Drawings

Change Order Support Design Services

Estimated Fee \$1000.00

- Change Order to Improve Roadside Safety on 1300 West and 4000 West

Questar Gas Company's Failed Attempt To Install New High Pressure Line Services

Estimated Fee \$270.00

- Questar Gas Company (QGC) attempted to install a new 24 inch diameter line in 1300 West Street by means of boring and it was unsuccessful. They then had to redesign to open cut for the installation of their line.
- QGC's redesign impacted the Bingham Creek Plans and Specifications prepared by Ensign Engineering.
- These charges are for Ensign's effort to redo their plans and specifications that had been prepared based of the boring method that QGC thought would work.

Flex A Mat Revision Services

Estimated Fee \$730.00

- Original Design Plans and Specifications were based on the placement of the Flex A Mat System to prevent channel erosion. This System had been previously designed for the County on the Jordan River but because of budget issues had not yet been constructed.
- So because there was no experience with the Product. The County near end of the County Flood Control Permit approval process decided to require a number of conditions that the City was not willing to agree to.

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45 West 10000 South, Suite 500
Sandy UT 84070
P 801.255.0529 F 801.255.4449

LAYTON
1485 W Hillfield Road Ste 204
Layton UT 84041
P 801.547.1100 F 801.593.6315

CEDAR CITY
1870 North Main Street
Cedar City UT 84721
P 435.865.1453 F 435.865.7318

TOOELE
169 North Main Street
Tooele UT 84074
P 435.843.3590 F 435.578.0108

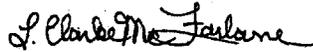
- These charges are for Ensign to redo the plans and specifications to eliminate the Flex A Mat and replace it with standard RipRap.

The Total Estimated Fee is \$3500.00 for the above mentioned Services.

I hope this provides what you need to process the request. If there is any additional information needed let me know.

Thanks, I enjoy working with the City and look forward to a continued relationship.

Sincerely,



L. Clarke McFarlane, P.E.
Senior Project Manager

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