

**PUBLIC WORKS AND UTILITIES  
MEMORANDUM #09-09**

**DATE:** February 26, 2009  
**TO:** Honorable Mayor Kathleen M. Novak and City Council Members  
**FROM:** William A. Simmons, City Manager *WAS*  
Raymond Reling, Acting Director of Utilities *RR*  
**SUBJECT:** CR-31 – Addendum #3 to Design Services Contract for Bull Reservoir  
Outlet and Liner Emergency Repairs  
CR-32 – Addendum #1 to Construction Management Services Contract  
for Bull Reservoir Outlet and Liner Emergency Repairs

**RECOMMENDATION:**

Attached to this memorandum are two Resolutions which, if approved, would authorize the Mayor to execute the following documents on behalf of the City:

- 1) An Addendum to the Professional Services Agreement between the City of Northglenn and URS Corporation, Inc. to provide design services in the amount of \$25,000 and to authorize a contingency of \$2,500.
- 2) An Addendum to the Professional Services Agreement between the City of Northglenn and J&T Consulting, Inc. to provide construction management services in the amount of \$33,844 and to authorize a contingency of \$3,384.

In addition, each resolution would authorize the City Manager to approve minor changes in the scope of work and execute relevant change orders up to the contingent amount. Staff recommends approval of the proposed Resolutions.

**BACKGROUND:**

On February 12, 2009, staff provided an update to City Council regarding the progress of the Bull Reservoir Repairs. Due to changes in the existing conditions, the project has seen significant alteration in the scope of construction resulting in the need to modify design and construction management services. Addendum Number 3 for URS includes the cost to design a new bypass, dewatering piping plan as well as the design of the temporary coffer dam. Addendum Number 1 for J&T's contract includes assistance with the rebidding process and covering the expense from the survey. Below are two tables outlining the previous addendums, the current expenditures and the total contract amounts for both URS and J&T.

	Description	Amount	Contingency	Total
URS Agreement	Design	\$44,100	\$0	\$44,100
Addendum #1	Design support services	\$62,900	\$12,580	\$75,480
Addendum #2	On site soils testing	\$8,400	\$0	\$8,400
J&T Agreement	Construction management	\$49,180	\$9,836	\$59,016

	Expended (Year to Date)	Total Contract Amount	Contingency	Total	Remaining
URS	\$93,203.35	\$140,400	\$15,080	\$155,480	\$62,276.65
J&T	\$33,184.94	\$83,024	\$13,220	\$96,224	\$63,059.06

**BUDGET/TIME IMPLICATIONS:**

There is no impact to the General Fund. Funds from the 2009 Capital Improvements Fund would be used to fund both addendums.

Staff anticipates presenting a contract for construction at the April 9, 2009 Council meeting. Additionally, a supplemental budget appropriation amendment will be brought forward to fund the construction portion of the project.

**STAFF REFERENCE:**

If Council Members have any comments or questions, they may contact Raymond Reling at (303) 450-4049 or [rreling@northglenn.org](mailto:rreling@northglenn.org).

SPONSORED BY: MAYOR NOVAK

COUNCILMAN'S RESOLUTION

RESOLUTION NO.

No. CR-32  
Series of 2009

\_\_\_\_\_  
Series of 2009

A RESOLUTION APPROVING A FIRST ADDENDUM TO THE PROFESSIONAL SERVICES AGREEMENT BETWEEN THE CITY OF NORTHGLENN AND J&T CONSULTING, INC. FOR CONSTRUCTION MANAGEMENT SERVICES FOR THE BULL RESERVOIR OUTLET AND LINER EMERGENCY REPAIRS PROJECT

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTHGLENN, COLORADO, THAT:

Section 1. The First Addendum to Professional Services Agreement between the City of Northglenn and J&T Consulting, Inc., attached hereto, in the amount of \$33,844.00 with a ten percent (10%) contingency of \$3,384.00 for a total amount not to exceed \$37,228.00 for construction management services for the Bull Reservoir Outlet and Liner Emergency Repairs Project is hereby approved and the Mayor is authorized to execute same on behalf of the City of Northglenn.

DATED at Northglenn, Colorado, this \_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
KATHLEEN M. NOVAK  
Mayor

ATTEST:

\_\_\_\_\_  
JOHANNA SMALL, CMC  
City Clerk

APPROVED AS TO FORM:

\_\_\_\_\_  
COREY Y. HOFFMANN  
City Attorney

**ADDENDUM #1 TO AGREEMENT FOR PROFESSIONAL SERVICES**

THIS FIRST ADDENDUM TO AGREEMENT FOR PROFESSIONAL SERVICES is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2009, by and between the CITY OF NORTHGLENN, State of Colorado (hereinafter referred to as the "City") and J&T Consulting, Inc. (hereinafter referred to as "Consultant").

**RECITALS:**

A. On September 25, 2008, the City and Consultant entered into an Agreement for Professional Services for civil engineering services (the "Agreement").

B. The parties desire to supplement the Agreement with this Addendum #1 to allow for an additional scope of services for the design services for:

**Exhibit A, Additional Construction Management Services for Bull Reservoir Outlet and Liner Emergency Repairs**

**AGREEMENT**

NOW, THEREFORE, it is hereby agreed that for the consideration hereinafter set forth, that Consultant shall provide to the City, professional engineering services as needed in the manner provided in the Agreement.

1. The Scope of Services in the Agreement is hereby supplemented to include the scope of services for the design services attached hereto as **Exhibit A**, and incorporated herein by this reference (the "Additional Scope of Services"). Consultant shall commence work on the Additional Scope of Services within ten (10) days of the issuance of a Notice to Proceed.

2. Subparagraph A. of Article IV entitled "Compensation" is hereby amended to provide as follows:

A. Compensation shall not exceed \$33,844 for the work described in **Exhibit A** to this Addendum #1.

3. The original Agreement is in full force and effect and is hereby ratified by the City and the Consultant. The original Agreement and this Addendum constitute all of the agreements between the City and the Consultant.

IN WITNESS WHEREOF, the parties hereto each herewith subscribe to the same in duplicate.

**CITY OF NORTHGLENN, COLORADO**

By: \_\_\_\_\_  
Kathleen M. Novak, Mayor

Date: \_\_\_\_\_

ATTEST:

\_\_\_\_\_  
Johanna Small, City Clerk


Date: \_\_\_\_\_

APPROVED AS TO FORM:

\_\_\_\_\_  
Corey Y. Hoffmann, City Attorney


Date: \_\_\_\_\_

**CONSULTANT**

By:  \_\_\_\_\_

 \_\_\_\_\_  
Title Date

ATTEST:

 \_\_\_\_\_

V.P. \_\_\_\_\_ 2-17-09  
Title Date



**J&T Consulting, Inc.**

February 18, 2009

City of Northglenn  
Attn: Corey Peterson – Water Resources Engineer - Project Manager  
11701 Community Center Drive  
Northglenn, Colorado 80233

RE: "Construction Management Services for the Bull Reservoir Outlet and Liner  
Emergency Repairs – Contract amendment"

Dear Mr. Peterson:

As requested we have prepared our summary of additional services and fees for the Construction Management and Bull Reservoir Outlet and Liner Repair project. Our fees and additional services have been itemized in the attached summary as well as briefly explained below.

**Original Contract:**

There are no additions or changes to the original contract.

**Site Survey:**

As we progressed in the evaluation of the alternatives for construction it became apparent that additional survey of the reservoir was needed to properly evaluate the alternative methods of construction, dewatering of the reservoir, and the overall water storage available. We arranged for this survey work to be completed and have shown the cost of this survey effort.

**Additional Services through Jan 31, 2009:**

During the months of October through January we assisted the City and the design team in evaluating the various options available to allow the repair of the outlet and liner to proceed. This effort consisted of investigation of numerous options for repair of the reservoir, numerous options for dewatering the reservoir, cost estimates, survey coordination, meetings with the project team, drawing preparation, quantity takeoffs and preparation of a memo summarizing our recommendations on how to proceed with the project.



Mr. Cory Peterson

RE: "Construction Management Services for the Bull Reservoir Outlet and Liner Emergency Repairs – Contract amendment"

**Additional Services through start of construction:**

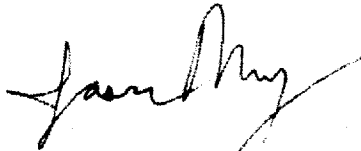
As requested we have provided our fees to assist the City with project management for the redesign effort, bidding effort, contractor negotiations, construction document review, and coordination with the State Engineers Office of Dam Safety and the Colorado Department of Public Health and Environment.

**Additional Construction Services:**

Our original proposal was for 11 weeks (2 - 1/2 months) of full time onsite construction services. We estimate the additional construction of the coffer dam and bypass pipe will add approximately 6 weeks to the construction portion of the project. We have provided our fees for this additional time however have reduced the hours per week and are not providing full time coverage as we do not believe that is necessary for the construction of the coffer dam and bypass piping.

Please feel free to contact me if you have any questions or require additional information.

Cordially,



Mr. Jason Murray



# J&T Consulting, Inc.

City of Northglenn

Bull Reservoir Construction Management Services

2/18/2009

## Professional Services Scope and Fee Summary

JFM

© 2008 J&T Consulting, Inc.

Northglenn - Bull Reservoir - Fee Summary.xls

Item Description	Jason Murray	Todd Yee	Item
	Troy Thompson	Steve Kitterman	Subtotal
	Rate	\$100	\$80
<b>Task 1</b>			
1.1 Conduct Preconstruction Conference	4	2	\$560
1.2 Contractor Permit Acquisition	2		\$200
1.3 Quality Assurance	12	32	\$3,760
1.4 Contractor Payment Review	6	2	\$760
1.5 Site meetings & Progress meetings	30	10	\$3,800
1.6 Construction Contract Changes	12		\$1,200
1.7 Contractor Submittals and Drawings	8	8	\$1,440
1.8 RFI's	24	8	\$3,040
1.9 Field Engineering	24	80	\$8,800
1.10 Construction Photographs	2	10	\$1,000
<b>Subtotals</b>	<b>124</b>	<b>152</b>	<b>\$24,560</b>
<b>Task 2</b>			
2.1 Project Management	24		\$2,400
2.2 RFS	2		\$200
<b>Subtotals</b>	<b>26</b>	<b>0</b>	<b>\$2,600</b>
<b>Task 3</b>			
3.1 Means & Methods (included in other tasks)	-		
3.2 Samples	4		\$400
<b>Subtotals</b>	<b>4</b>	<b>0</b>	<b>\$400</b>
<b>Task 4</b>			
4.1 Tests and Inspections	6		\$600
4.2 Geotechnical and Materials Testing	6	20	\$2,200
4.3 Construction Inspection	30	80	\$9,400
<b>Subtotals</b>	<b>42</b>	<b>100</b>	<b>\$12,200</b>
<b>Task 5</b>			
5.1 Construction Schedule	6		\$600
5.2 Submittal Schedule	2		\$200
5.3 Notification of Delay	4		\$400
<b>Subtotals</b>	<b>12</b>	<b>0</b>	<b>\$1,200</b>
<b>Task 6</b>			
6.1 Site Conditions	4		\$400
6.2 Change Orders	8	2	\$960
6.3 Extra Work	8	2	\$960
<b>Subtotals</b>	<b>20</b>	<b>4</b>	<b>\$2,320</b>
<b>Task 7</b>			
7.1 Record Drawings	4	4	\$720
7.2 Release of Liens	2		\$200
7.3 Warranty Period Assistance	4		\$400
<b>Subtotals</b>	<b>10</b>	<b>4</b>	<b>\$1,320</b>
<b>Task 8</b>			
8.1 Substantial Completion	8	4	\$1,120
8.2 Final Completion	8	4	\$1,120
<b>Subtotals</b>	<b>16</b>	<b>8</b>	<b>\$2,240</b>

Project Subtotal	\$46,840
Miscellaneous Expenses	\$2,340
<b>Project Total</b>	<b>\$49,180</b>





# J&T Consulting, Inc.

City of Northglenn

Bull Reservoir Construction Management Services

2/18/2009

## Professional Services Scope and Fee Summary

JFM

© 2008 J&T Consulting, Inc.

Northglenn - Bull Reservoir - Fee Summary.xls

Item Description	Jason Murray Troy Thompson	Todd Yee Steve Kitterman	Item Subtotal
	Rate \$100	\$80	

Additional Services			
Bull Reservoir Site Survey	Survey Cost - completed by American West		\$8,886
Additional J&T services through Jan 31, 2009 - Alternatives Investigation, Cost Estimates, Survey Coordination, Meetings, Drawing Preparation - See invoice reporting for details	Services Invoiced to date - Oct 2008 - Jan 2009		\$ 9,878
	<b>Subtotal</b>		<b>\$ 18,764</b>
Additional Services through start of Construction April 21 - Bid Coordination, Contractor Negotiations, Construction Document Review, Coordination with SEO and CDPHE - (11 weeks)	66	22	\$8,360
Original proposal was for 11 weeks (2 1/2 months) of Construction Services Task 1-8 above). We estimate the additional construction (coffer dam / bypass pipe) will add approximately 6 weeks to the project. We have reduced the hours per week and are not providing full time coverage as we do not believe that is necessary for this work.	48	24	\$6,720
	<b>Subtotal</b>		<b>\$ 15,080</b>
	<b>Original Contract</b>		<b>\$ 49,180</b>
	<b>Additional services provided to date</b>		<b>\$ 18,764</b>
<b>Additional Services for Bid coordination, doc review, and additional construction time</b>			<b>\$ 15,080</b>

*Because the Design Engineer's Resident Engineer will be inspecting the construction full time, JT believes that full time Construction Management field inspection may not be required to maintain the overall project goals, i.e. quality, budget, schedule, etc. JT is open to discussing with the City strategies for reducing the Construction Manager's field inspection activities, and hence reducing the cost to the City, without adversely affecting the project goals.*