


**PUBLIC WORKS DEPARTMENT
MEMORANDUM #09-31**

DATE: August 13, 2009
TO: Honorable Mayor Kathleen M. Novak and City Council Members
FROM: William A. Simmons, City Manager
David Willett, P.E., Director of Public Works 
SUBJECT: CR-84, 2009 Street Improvements Change Order No. 2

BACKGROUND:

On May 14, 2009, Council approved CR-58 authorizing the Mayor to execute a contract between the City of Northglenn and Brannan, Sand & Gravel, LLC for the 2009 Street Improvements Project in the amount of \$741,860.00 with an approved contingency in the amount of \$241,760.93 (\$235,068.12 of the contingency is in the Capital Projects Fund Account No. 410.69211.000.3999.103). Staff requested a 33% contingency to address additional concrete repairs; additional milling and resurfacing that may be used on Huron St. and traffic loop replacements that are required by the milling operation. The cost of the traffic loop replacements is \$16,125.00 and would be completed by the City's Traffic Signal Maintenance Contractor, WL Contractors.

Staff would like to utilize the contingency in the 2009 Street Improvements project to fund additional work that is acceptable for use with ADCOT transportation funds. The additional work is as follows:

1. In July of 2009, a study of the intersection at Kennedy Drive and Huron Street was completed to determine what operational improvements could be made to the intersection. The recommendations included removal of the exclusive pedestrian phase and operation in a standard 8 phase configuration, installation of protected/permissive left turn phasing for eastbound and westbound traffic, repairing intersection wiring and replacing the existing pedestrian indications with the countdown type to encourage better compliance. The cost of these modifications is \$22,845.00. This work would be completed by the City's Traffic Signal Maintenance Contractor, WL Contractors.

2. In the fall of 2008, the Croke Reservoir Shoreline Reconstruction project was completed. The shoreline reconstruction was originally designed in conjunction with a reconstruction of Huron Street which would have resulted in a lowering of the street profile at the Reservoir. Due to lack of funds, the projects were separated and only the shoreline was reconstructed. The elevation difference between the roadway and the sod behind the curb was to be a temporary situation until the roadway was rebuilt at the desired profile. As the reconstruction of Huron Street has not yet been scheduled, Staff believes it would be in the best interest of the City to raise the temporary inlets in the swale and fill in the swale to provide support for the roadway and curb and gutter. This work will be completed by in-house staff. The cost of these modifications is \$6,000.00.

RECOMMENDATION:

Attached to this memorandum is a Resolution which, if approved would:

- 1) Authorize the Mayor to execute Change Order No. 2 to the contract between the City of Northglenn and W.L. Contractors, Inc. for the 2009 Street Improvements in the amount of \$38,970.00.
- 2) Authorize the City Manager to direct City staff to complete drainage swale improvements at Croke Reservoir in the amount of \$6,000.00.

Staff recommends approval of the proposed Resolution in the amount of \$44,970.00.

BUDGET/TIME IMPLICATIONS:

Staff does not recommend using funding in the existing 2009 Traffic Signal Maintenance Contract as those funds will be needed to fund the remaining traffic maintenance needs for 2009. If Change Order No. 1 as requested in CR-83 is approved, the Capital Projects Fund (Account No. 410.69211.000.3999.103) will have \$90,696.02 remaining. The cost of Change Order No. 2 as proposed is \$38,970.00. The work in the Huron Street drainage swale as proposed is \$6,000.00. If Change Order No. 2 and the drainage work are approved, the Capital Projects Fund (Account No. 410.69211.000.3999.103) will have \$45,726.02 remaining.

| | |
|------------------------------|---------------------|
| Existing Contingency: | \$235,068.12 |
| Proposed Change Order No. 1: | \$144,372.10 |
| Proposed Change Order No. 2: | \$ 38,970.00 |
| In House Drainage Work: | \$ 6,000.00 |
| Remaining Contingency: | <u>\$ 45,726.02</u> |

STAFF REFERENCE:

David Willett, P.E., Public Works Director at dwillett@northglenn.org or (303) 450-8783
Joliette Woodson, P.E. jwoodson@northglenn.org or (303) 450-8835

SPONSORED BY: MAYOR NOVAK

COUNCILMAN'S RESOLUTION

RESOLUTION NO.

No. CR-84
Series of 2009

Series of 2009

A RESOLUTION APPROVING CHANGE ORDER NO. 2 TO THE 2009 STREET IMPROVEMENTS CONTRACT

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

Section 1. The City Council hereby approves Change Order No. 2 to the 2009 Street Improvements Project (the "Project"), in an amount not to exceed \$44,970.00, and authorizes the following expenditures to accomplish the Project:

(a) The execution of a contract between the City and W.L. Contractors, Inc. for a total amount not to exceed \$38,970.00; and

(b) The expenditure of an additional \$6,000.00 to complete drainage swale improvements at Croke Reservoir.

DATED at Northglenn, Colorado, this ____ day of _____, 2009.

SHERI L. PAIZ
Mayor Pro Tem

ATTEST:

JOHANNA SMALL, CMC
City Clerk

APPROVED AS TO FORM:

COREY Y. HOFFMANN
City Attorney



W.L. CONTRACTORS, INC.
5920 LAMAR STREET
ARVADA, CO 80003

(303) 422-7985 (TEL)
(303) 422-3026 (FAX)
WWW.TEAMWL.COM

PROPOSAL

Submitted To: Northglenn

Date: 7/28/2009

Job Location: Huron & Kenedy to 104th Ave.

Job Description: Replace Loops

We hereby propose to furnish all materials and perform all the labor necessary for the completion of the following:

| Item# | Description | Quantity | Unit Price Units | Total |
|-------|-------------------------|----------|------------------|-------------|
| 10 | 6x40 Quad. Loop | 21.00 | 750.00 EA | \$15,750.00 |
| 20 | Water Valve (If needed) | 1.00 | 375.00 EA | \$375.00 |

Unit pricing shall prevail.

Conduit replacement shall be at existing T&M rates if needed.

All material is guaranteed to be as specified, and the above work to be performed in accordance with the drawings and specifications submitted for above work and completed in a substantial workmanlike manner for the sum of:

\$16,125.00

Any alteration or deviation from above specifications involving extra costs, will be executed only upon written orders, and will become an extra charge over and above the estimate. Prices good for 60 days.

Respectfully submitted: **Tim Leach**

Acceptance of Proposal

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified.

Signature: _____ Date: _____

W.L. CONTRACTORS, INC.
5920 LAMAR STREET
ARVADA, CO 80003

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(303) 422-3026 (FAX)
WWW.TEAMWL.COM

PROPOSAL

Submitted To: City of Northglenn

Date: 7/29/2009

Job Location: Huron & Kennedy

Job Description: Traffic Signal Upgrades -East West Left Turns - Option B

We hereby propose to furnish all materials and perform all the labor necessary for the completion of the following:

| Item# | Description | Quantity | Unit Price | Units | Total |
|-------|---|----------|------------|-------|-------------|
| 10 | Furnish & Install 12' x 5 Left Turn Signal Assembly (contract bid item) | 2.00 | 1,095.00 | EA | \$2,190.00 |
| 20 | Furnish and Install Econolite Controller and Cabinet (contract bid item) | 1.00 | 12,875.00 | EA | \$12,875.00 |
| 30 | Field Wiring for New Signals and Detection | 1.00 | 3,200.00 | LS | \$3,200.00 |
| 40 | Replace Pullboxes to Accomodate New Wiring Medium Quazite | 4.00 | 375.00 | EA | \$1,500.00 |
| 50 | Furnish And Install Countdown Type Pedestrian Indications | 8.00 | 385.00 | EA | \$3,080.00 |

This option is to replace the controller and cabinet with a new one, cost per contract bid item.

Intersection Conduits are assumed to be serviceable, there would be additional costs to replace faulty conduits.

All material is guaranteed to be as specified, and the above work to be performed in accordance with the drawings and specifications submitted for above work and completed in a substantial workmanlike manner for the sum of:

\$22,845.00

Any alteration or deviation from above specifications involving extra costs, will be executed only upon written orders, and will become an extra charge over and above the estimate. Prices good for 60 days.

Respectfully submitted: **Jay Heffelfinger**

Acceptance of Proposal

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified.

Signature: _____ Date: _____

**Huron St. Drainage Improvements
July 22, 2009**

1. Area to be rocked is 5' x 1120' x 6.5 (13" down to zero at grass by 5 ft wide)
= 200tons of cobble
 - a. White cobble \$49.95/ton delivered to Huron ST.(\$9,990.00)
 - b. White cobble with more gray 90% 4-8" 1% 12" then the bal 4-12"
\$37.95/ton (\$7,590.00)
 - c. Gray Rose 4-8" \$38.95/ton (\$7,790.00)

2. Landscape fabric 5'x 1,120' , fabric is \$120.00/300ft rolls=4x 120=480.00

3. Mortar mix 5' x1120 ft x 2"= 34 yds \$85=\$2,975.00 (drop will not mortar in place.

4. 11 risers 12"diameter PVC x 12" reuse grates just purchase riser to bring up to grade. This will require us to use a Fernco coupling to rise to grade one stick of 12" x 20' HDPE Stormwater pipe \$6.98/ft. \$139.60 plus 11 couplings at \$ 23.00 each \$242.00.

The rock can be dropped on Huron then put in place as they drop it off. We will have to take one lane out and push traffic over towards center. Once area is filled and leveled with the rock, come in with concrete truck to pour. Use a release agent on the rocks afterwards to help expose the rock after the concrete has set for 3-4 hours. Then wash off with the jet truck. We can do a test section to work out any bugs.

| Item # | Quantity | Description | Cost/ | Total | |
|--------------|----------|---------------------------|---------------------------|-------------------|------|
| 1 | 200 tons | 4-6 4-8 cobblestone | \$25.00/ton we pick up | \$5,000.00 | |
| 2 | 20 ft | 12" HDPE Storm water pipe | \$6.98/ft | \$139.60 | |
| 3 | 11 | Couplings | \$23.00 | (\$242.00) | drop |
| 4 | 34 yds | Concrete mortar type | \$85.00/ yd | (\$2,975.00) | drop |
| 5 | 4 rolls | Landscape fabric | \$120.00 | \$480.00 | |
| 6 | 4yds | Concrete | \$85.00/yd- \$100.00 | \$380.40 | |
| TOTAL | | | TOTAL | \$6,000.00 | |

| Quantity | Vendor | Phone / contact | Product | Pick up or Delivered |
|-----------------|------------------------------|--------------------------------------|-----------------------------------|--|
| 200 tons | Boral | 303-638-3598 wade | 6" rip rap vtc type vl | \$21.35 D to sight. Pick up is in Mountains cheaper to have them pick up. |
| 200 tons | 1st choice | 720-298-0948 | Cobble 4-8 or 4-6 | \$25.00 / ton picked up on Brighton blvd |
| 200 tons | Pioneer sand | 303-252-1095 Susan Nathan | Cobble see price above | Delivered to our sight. |

This will take about two weeks during normal work hour