

City Council Action Report

To: Mayor and Council
Submitted by: Amy L. Ward, P.E.
Date: January 25, 2007
Subject: Wastewater Treatment Plant Expansion Stop Work Change Order
Strategic Council Goal(s): Upgraded City Infrastructure and Facilities – Objective #1

Recommended Action and Major Considerations:

- Authorize the Mayor to execute the attached Change Order #51, Effluent Pipeline Work Stoppage, for an amount of \$105,067.00 on the existing contract of \$12,968,991.25 with Glacier Construction Company. The total contract price with the change order will be \$13,074,058.25.

Background and Other Information:

- On April 26, 2006, the City of Northglenn was served with a Notice of Violation/Cease and Desist Order No. MO-060425-1 from the Water Quality Control Division (WQCD) for the wastewater treatment plant effluent pipeline. At that time, Glacier Construction Company was constructing the pipeline. Once the staff became aware of the Cease and Desist, the contractor was instructed to stop work. On June 8, 2006, the WQCD sent a letter to the City of Northglenn stating the approval of the pipeline. Once approval was received, the contractor was instructed to resume work.
During the period between April 26 and June 8, the contractor was instructed to demobilize in order to reduce the construction for the contractor to remain on site while the State continued the approval process. The attached change order includes all cost incurred by the contractor during that time period.

Budget Information:

- Adequate funding for this amendment is available in the existing Wastewater Treatment Plant Expansion Supplemental Appropriation CB 1550 for \$1,500,000 of which \$1,338,000 was approved in Staff Report No. 06-01 for the New Effluent Discharge Pipeline. The remaining balance is \$162,000.

Respectfully Submitted:

Amy L. Ward
Amy L. Ward, P.E.
Civil Engineer II

Approved for Submittal:

A.J. Krieger
City Manager

Funding Available:

Brent Worthington
Finance Director

COUNCIL ACTION TAKEN:

City of Northglenn

11701 Community Center Dr.

Northglenn, CO 80233

Phone: (303) 450-8774

Fax: (303) 450-8708

CHANGE ORDER

No. 00051

TITLE: Eff. Pipeline Work Stoppage

DATE: 7/6/2006

PROJECT: WWTP Expansion

JOB:

TO: Attn: Steve P Stephenson
Glacier Construction Company
7302 South Altan Way, Suite 4 I
Englewood, CO 80112
Phone: 3032215383 Fax: 3032215385

CONTRACT NO: 4

RE: To: From: Number:

DESCRIPTION OF CHANGE

Reason For Change Order

This Change Order presents the costs the Contractor incurred during the work stoppage on the effluent pipeline. Included in this change order are 2.5 days of work stoppage for the boring contractor, 10 days of work stoppage for the effluent pipeline installation contractor, and additional costs associated with the 41 days of dewatering operations. The Contractor was directed to stop work by the City on April 28, 2006 and directed to demobilize on May 12, 2006. The boring contractor was allowed to complete their work after 2.5 days of delay.

Item	Description	Stock#	Quantity	Units	Unit Price	Tax Rate	Tax Amount	Net Amount
00001	Provide a cost for the work stoppage on the effluent pipeline. Work includes, but is not limited to, 2.5 days delay on boring contractor, 10 days delay for effluent pipeline subcontractor, and 41 days of Contractors time and effort to maintain dewatering pumps and other associated work including overhead.		1		\$105,067.00	0.00%	\$0.00	\$105,067.00

Unit Cost: \$105,067.00
Unit Tax: \$0.00
Total: \$105,067.00

The Original Contract Sum was	\$11,149,000.00
Net Change by Previously Authorized Requests and Changes	\$1,725,095.25
The Contract Sum Prior to This Change Order was	\$12,874,095.25
The Contract Sum Will be Increased	\$105,067.00
The New Contract Sum Including This Change Order	\$12,979,162.25
The Contract Time Will Not Be Changed	
The Date of Substantial Completion as of this Change Order Therefore is	...

ACCEPTED:

Glacier Construction Company

City of Northglenn

Integra Engineering

By: Steve P Stephenson
Steve P Stephenson

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

By: Patrick D. Radabaugh
Patrick D. Radabaugh

Date: 7/17/06

Date: _____

Date: 7/12/06

GLACIER CONSTRUCTION COMPANY, INC.
7302 SOUTH ALTON WAY, SUITE 41
ENGLEWOOD, COLORADO 80112

PHONE: 303-221-5383

FAX: 303-221-5385

FACSIMILE TRANSMITTAL SHEET

TO: Patrick Radabaugh

FROM: Steve P. Stephenson

COMPANY: Integra Engineering

DATE: June 24, 2006

FAX NUMBER: 303-825-2322

TOTAL PAGES INCL. COVER 4

PHONE NUMBER: 303-825-1802

PROJECT: Northglenn WWTP Improvements

SUBJECT: Stop Work Order PCO Backup

REMARKS:

Dear Pat,

As requested, find attached backup from our subcontractors Brannan Construction Company and Rex Harris Construction, Inc. The following is a summary for Glacier Construction Co., Inc. (GCCCI) costs along with summing up of all the contractors costs:

- There was 41 days of delay on the 42" Effluent line, not counting the time it takes to get remobilized, setup and get started again.
- GCCCI had employees check on dewatering system every day and 90% of the time, twice a day. This work included travel to and from dewatering site (either from the work site or from someone's home), travel to and from gas station for fuel, fueling of generator, maintenance of generator, maintenance of dewatering pumps, hoses and suction wells. This work took 1 to 3 hours per day depending on which day it was, if we needed to refuel gas tanks, oil changes and maintenance, if there was mud in the suction wells and needed cleaned, hose repairs etc.
- 30 Kw generator which had to run 24/7, cost per 8 hour day $\$110.00 \times 2 = \220.00 per day.
- Fuel for generator at approximately 10 gals per day @ $\$2.50$ per gallon = $\$25.00$ per day.
- 2" submersible pump with discharge hoses cost per 8 hour day $\$57.00 \times 2 = \114.00 per day.
- 3" submersible pump with discharge hoses cost per 8 hour day $\$83.00 \times 2 = \166.00 per day.
- Truck time for above work at 2 hours average per day @ $\$12.00$ per hour = $\$24.00$ per day.
- Form material rental and equipment is approximately $\$100.00$ per day.
- William Quante time for the stop work order averaged about $\frac{1}{2}$ hour per day for coordination and other issues that came up during that time.

With the above summary it computes as follows:

1. Standard Labor $41 \times 2 = 82$ man-hours $\times \$30.00 = \$2,460.00$
2. Generator $41 \times \$220.00 = \$9,020.00$
3. Fuel for generator $41 \times \$25.00 = \$1,025.00$.
4. Oil and maintenance cost for 1000 hours service = \$500.00
5. 2" submersible pump with hoses $41 \times \$114.00 = \$4,674.00$
6. 3" submersible pump with hoses $41 \times \$166.00 = \$6,806.00$
7. Truck expense $41 \times \$24.00 = \984.00
8. Form and misc; materials at 28 work days $\times \$100.00 = \$2,800.00$
9. Superintendent 20 hours $\times \$60.00 = \$1,200.00$

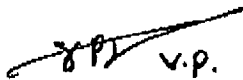
Breakdown of GCCT's total direct cost for the stop work order is \$29,469.00 which does not include extended project overhead/general conditions, Project Manager, Project Engineer or their expenses and company vehicles for a portion of the 41 days or 12.9% fees.

- Brannan Construction Company (see attached) $\$6,424.80 \times 2.5$ days = \$16,062.00.
- Rex Harris Construction, Inc. (see attached) $\$6,736.31 \times 10$ days = \$67,363.12. Plus the demobilization and remobilization to site.

I'll let you re-enter the new numbers in the PCO spreadsheet and advise the city on the actual cost of the stop work order. Please add 41 days to the completion date and then we can discuss additional extended overhead costs which will be added to the bottom line (this cost is approximately \$1,700.00 per day).

Please feel free to contact us should you have any questions.

Sincerely,



Steve P. Stephenson

Vice President

Rex Harris Construction, Inc.

7331 County Road 60
 Windsor, CO 80550
 (970)686-5975 Phone & Fax
 (970) 566-0898 Cell Phone

Invoice

Date	Invoice #
6/20/2006	1048

Bill To
Glacier Construction Co., Inc. 7302 S. Alton Way, Suite 41 Englewood, CO 80112

Project	Terms
Northglenn	Due on receipt

Item	Quantity	Description	Rate	Amount
✓ Excavator	8	PC400 Excavator	107.86	862.88
✓ Excavator	8	JOHN DEER 2004LC	45.38	363.04
✓ Loader	8	WA200 Loader	32.64	261.12
✓ Loader	8	CAT 926E Loader	27.62	220.96
✓ Compactor	8	BOMAG Sheepsfoot Compactor	28.60	228.80
✓ Grader	8	JOHN DEERE 770 Grader	58.37	466.96
✓ Backhoe	8	JOHN DEER 410E	22.50	180.00
✓ Scraper	8	CAT 623	132.65	1,061.20
✓ Water Truck	8	2000 gal water truck	22.50	180.00
✓ Trench box	8	8' x 20' single wall box	10.00	80.00
✓ Trench box	8	8' x 20' double wall box	12.00	96.00
✓ Bedding box	8	6' x 10' bedding box	8.75	70.00
✓ Attachments	8	Compaction wheel 36"	10.00	80.00
✓ Trucking	8	Forman truck	14.12	112.96
✓ Forman	8	Forman	49.54	396.32
✓ Operator	8	Operator	36.01	288.08
✓ Operator	8	Operator	36.01	288.08
✓ Labor	8	Labor	30.73	245.84
✓ Labor	8	Labor	30.73	245.84
✓ Labor	8	Labor	30.73	245.84
✓ miscellaneous	8	Miscellaneous Tools	18.75	150.00
			765.49	
			x 8	
			\$6,123.92	
Total				86,123.92 ✓

OH: P 10% = 6,123.92

Daily Cost \$ 6,736.31

GCCI GLACIER CONSTRUCTION COMPANY INC. 7670 SOUTH CHESTER STREET, SUITE 210 ENGLEWOOD, COLORADO 80112	CHANGE PROPOSAL SUMMARY NO. : ??
PROJECT NAME: <u>NORTHGLENN WASTEWATER TREATMENT PLANT</u>	PROJECT NO.: 2474
LOCATION: <u>NORTHGLENN, COLORADO</u>	DATE: 6/16/06
OWNER: <u>CITY OF NORTHGLENN</u>	DRAWING NO.: N/A
OTHER: _____	SPEC. SECTION: N/A

REFERENCE RFI NO.: _____ WORK DIRECTIVE NO.: _____ FIELD ORDER NO.: _____
 DESCRIPTION: Stop Work Order on 42" Effluent Pipeline
 City of Northglenn directed all contractors to stop work and wait for further direction (April 28, 2006 - 11:15 AM - Formally).
 Brannan Const was directed to start back up on May 3, 2006.
 Harris Const was directed to mobilize off site on May 12, 2006 and started mobilizing back on site June 8, 2006.

PRICING INFORMATION

	SKILL/TRADE	MANHOURS	RATE	COST
1. DIRECT LABOR				
1.A PRODUCT LABOR:		0 MH	\$ -	\$ -
		0 MH	\$ -	\$ -
		0 MH	\$ -	\$ -
1.B <input checked="" type="checkbox"/> FOREMAN <input checked="" type="checkbox"/> SUPERINTENDENT	CRAFT	15 MH	\$ 30.00	\$ 450.00
1.C FIELD ENGINEERING:	Foreman	4 MH	\$ 40.00	\$ 160.00
1.D EXPENSES	Superintendent	2 MH	\$ 60.00	\$ 120.00
	Project Manager	1 MH	\$ 75.00	\$ 75.00
	SUBTOTAL (1)		\$	805.00

	DESCRIPTION	QUANTITY	UNIT PRICE	COST
2. MATERIALS AND EQUIPMENT				
2.A INCORPORATED IN WORK:	Dewatering pumps and generator & fuel w/hoses as negotiated	29	\$ 375.00	\$ 10,375.00
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
			\$ -	\$ -
2.B CONSUMED IN PERFORMANCE	small tools/supplies	0	\$ 37.50	\$ -
2.C EQUIPMENT:	Scaffolding	0	\$ 60.00	\$ -
	EQUIPMENT	0	\$ -	\$ -
2.D DIRECT COSTS:	Fuel, Off-Road Diesel	0	\$ -	\$ -
2.E BONDS, INSURANCE:			LS	\$ -
	SUBTOTAL (2)		\$	10,875.00

	NAME	DESCRIPTION OF WORK	COST
3. SUBCONTRACTORS			
3.A DIRECT:	Brannan Const;	Negotiated 2.5 days @ \$6,803.15	\$ 17,007.88
	Harris Const;	Negotiated 10 days @ \$5,800.00	\$ 58,000.00
	Harris Const;	Demobilize from Site	\$ 5,000.00
	Harris Const;	Re-Mobilize to Site	\$ 5,000.00
3.B LOWER TIER:		Not Applicable	
	SUBTOTAL (3)		\$ 85,007.88

4. CONSULTANTS	NAME	DESCRIPTION OF WORK	COST	
		SUBTOTAL (4)	\$ -	
5. FEE STRUCTURE	NAME	COST	PERCENT	FEE
A. Contractor				
1. Direct Labor:		\$ 805.00	10	\$ 80.50
2. Material and Equipment:		\$ 10,875.00	10	\$ 1,087.50
B. Subcontractors:		\$ 85,007.85	5	\$ 4,250.39
C. Consultants		\$ -	5	\$ -
SALES TAX		\$ -	7	\$ -
			SUBTOTAL (5)	\$ 5,418.39
			SUBTOTAL (1-4)	\$ 96,687.85
C. Bonds and Insurance			2.9	\$ 2,961.08
TOTAL COST OF THIS CHANGE PROPOSAL (All deductions shown in parentheses)			TOTAL	\$ 105,067

EXTENSION OF CONTRACT TIME:

As part of this Change Proposal, the Contractor requests an extension of Contract Time of 30 days.
Justification:

RECORD DOCUMENTS: As part of this Change Proposal, the Contractor shall provide applicable record drawing information affected by this change.

Signed: _____ Date: 6/16/2006
 Title: Steve P. Stephenson, V.P.
 Contractor: Glacier Construction Company, Inc.

RECOMMENDATION by ENGINEER: (Foward to Owner for Review)

Signature of Engineer: _____ Date: _____

ACCEPTANCE BY OWNER: (return to engineer for processing)

Signature of Owner's Authorized Representative: _____ Date: _____
 _____ Engineer to prepare necessary change order _____ Engineer to Re-negotiate change proposal as noted above _____ Other as above

OWNER:	CONTRACTOR:	PROJECT: 2474
	FIELD:	NO.:
ENGINEER:	OTHER:	DATE:

GCCI GLACIER CONSTRUCTION COMPANY INC. 7302 SOUTH ALTON WAY SUITE 4I ENGLEWOOD, COLORADO 80112	CHANGE PROPOSAL SUMMARY NO. EFFLUENT
PROJECT NAME: NORTHGLENN WASTEWATER TREATMENT PLANT	PROJECT NO.: 2474
LOCATION: NORTHGLENN, COLORADO	DATE: 10/5/05
OWNER: CITY OF NORTHGLENN	DRAWING NO.: N/A
OTHER:	SPEC. SECTION: N/A

REFERENCE RFI NO.: _____ WORK DIRECTIVE NO.: _____ FIELD ORDER NO.: _____
 DESCRIPTION: Effluent Line at Weld County Road

PRICING INFORMATION

	SKILL/TRADE	MANHOURS	RATE	COST
1. DIRECT LABOR		0	MH \$ -	\$ -
1.A PRODUCT LABOR:		0	MH \$ -	\$ -
		0	MH \$ -	\$ -
	CRAFT	0	MH \$ 30.00	\$ -
1.B <input checked="" type="checkbox"/> FOREMAN <input checked="" type="checkbox"/> SUPERINTENDENT	Foreman	20	MH \$ 40.00	\$ 800.00
1.C FIELD ENGINEERING:	Superintendent	20	MH \$ 60.00	\$ 1,200.00
1.D EXPENSES	Project Manager	1	MH \$ 75.00	\$ 75.00
	SUBTOTAL (1)			\$ 2,075.00

	DESCRIPTION	QUANTITY	UNIT PRICE	COST
2. MATERIALS AND EQUIPMENT				
2.A INCORPORATED IN WORK:	MATERIAL	140	\$ 40.00	\$ 5,600.00
		0	\$ -	\$ -
		0	\$ -	\$ -
		0	\$ -	\$ -
				\$ -
				\$ -
				\$ -
				\$ -
2.B CONSUMED IN PERFORMANCE	small tools/:	1	\$ -	\$ -
2.C EQUIPMENT:		0	\$ -	\$ -
	EQUIPMENT	146	\$ -	\$ -
2.D DIRECT COSTS:	Fuel, Off-Road Diesel	0	\$ -	\$ -
2.E BONDS, INSURANCE:			LS	\$ -
	SUBTOTAL (2)			\$ 5,600.00

	NAME	DESCRIPTION OF WORK	COST
3. SUBCONTRACTORS			
3.A DIRECT:			\$ -
Subs			\$ 11,600.00
			\$ -
			\$ -
			\$ -
3.B LOWER TIER:		Not Applicable	
	SUBTOTAL (3)		\$ 11,600.00

