



# City of Grand Island

Tuesday, March 10, 2009

Council Session

## Item G4

**#2009-48 - Approving Change Order #2 for Capital Avenue  
Widening, Street Improvement District Number 1256**

Staff Contact: Steven P. Riehle, City Engineer/Public Works Direc

# Council Agenda Memo

**From:** Steven P. Riehle, Public Works Director

**Meeting:** March 10, 2009

**Subject:** Approving Change Order #2 for Capital Avenue Widening, Street Improvement District Number 1256

**Item #'s:** G-4

**Presenter(s):** Steven P. Riehle, Public Works Director

## Background

Bids were opened for the Capital Avenue Widening Project on March 27, 2008. The council awarded the bid on May 13, 2008 and the contract was fully executed on May 20, 2008. Approximately 80% of the Capital Avenue Widening Project is being paid for using Federal and Surface Transportation Program dollars.

City Council approved Change Order #1 for the Capital Avenue Widening Project on August 12, 2008 in the amount of \$351,219.24, for a revised contract price of \$3,730,547.49.

## Discussion

Due to unforeseen work required by relocation of a fire hydrant at the Carleton Avenue intersection, the lowering of the Grand Island Mall water main, storm sewer modifications, sanitary force main tie-in restraints, existing power line clearance requirements and sanitary sewer manhole concrete inverts a second change order is being brought forward for council approval.

The approval of Change Order #2 for an amount of \$32,077.94 will result in a revised contract price of \$3,762,625.43.

## **Alternatives**

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue

## **Recommendation**

Public Works Administration recommends that the Council approve Change Order #2 for Capital Avenue Widening, Street Improvement District Number 1256.

## **Sample Motion**

Move to approve Change Order #2.

City of Grand Island  
100 East 1st Street  
Grand Island, Nebraska 68801

**CHANGE ORDER NUMBER 2**

**Date of Issuance:** March 10, 2009

**PROJECT:** Capital Avenue Widening, Street Improvement District 1256

**CONTRACTOR:** The Diamond Engineering Company

**CONTRACT DATE:** May 20, 2008

**Item #1 & #2 -**

The fire hydrant in the northwest corner of Carleton Avenue was relocated and required some additional work to be done, which consists of a 30" fire hydrant extension and installation of 6" D.I. pipe.

**Item #3, #4, #5 & #6 -**

The lowering of the Grand Island Mall water main for the proposed storm sewer and sanitary force main required additional work to complete the water main reconstruction. A shoo-fly was constructed to maintain eastbound and westbound traffic on Capital Avenue. Since the existing valves leaked north and south of section of main to be lowered, a linestop was installed to make the connection to the south and then additional gate valves were installed to isolate the main for testing. Additional couplings were needed to tie back to the existing water main.

**Item #7 & #8 -**

At Diers Avenue detention cell, a proposed manhole was eliminated and a reinforced concrete pipe precast 45° bend was placed. This allowed for additional room for the construction of the future lift station.

**Item #9 -**

A flared end section is needed for the outlet pipe which drains the west side of Dairy Queen.

**Item #10 -**

Additional 12" bell joint restraints were added at the tie-in to the existing force main on the east end of the project.

**Item # 11 & #12 -**

The national electrical code requires an 8 foot clearance from existing power lines to street light poles. Some of the light poles will be buried an additional 4 feet in the ground to provide adequate clearance from the power lines. Some of the signal pole light extensions will be cut off, apply cold galvanizing & install larger pole cap and new luminaire arms to provide 8 foot clearance from the existing power line.

**Item #13 -**

The concrete inverts for the lift station bypass manholes 2, 3, and 4 will be completed as part of the construction. There were constructability concerns if the construction was completed later with the future lift station.

The list of quantity's in Change Order No. 2 are:

<u>Item #</u>	<u>Description</u>	<u>Qty</u>	<u>Unit</u>	<u>Bid</u>	<u>Total</u>
1.	30" Fire Hydrant Extension	1.00	each	\$1,271.21	\$ 1,271.21
2.	6" D.I. Pipe	18.00	l.f.	\$ 76.00	\$ 1,368.00
3.	8" Gate Valve & Box	2.00	each	\$1,721.60	\$ 3,443.20
4.	8" Ductile Iron Coupling	3.00	each	\$ 401.32	\$ 1,203.96
5.	Construct Shoo-fly	1.00	l.s.	\$2,538.83	\$ 2,538.83
6.	Install Linestop	1.00	l.s.	\$4,804.32	\$ 4,804.32
7.	Build Storm Sewer Manhole	1.00	each	(\$3,270.00)	(\$3,270.00)
8.	36" RCP Precast 45° Bend	1.00	each	\$1,732.03	\$ 1,732.03
9.	24" RCP Flared End Section	1.00	each	\$ 998.84	\$ 998.84
10.	12" Bell Joint Restraint	3.00	each	\$ 505.85	\$ 1,517.55
11.	Additional Light Pole Bury	10.00	each	\$ 185.00	\$ 1,850.00
12.	Signal Pole Extension Modification	6.00	each	\$1,070.00	\$ 6,420.00
13.	Concrete for Manhole Inverts	20.0	c.y	\$ 410.00	\$ 8,200.00
<b>Total</b>					<b>\$32,077.94</b>

The changes result in the following adjustment to the Contract Amount:

Contract Price Prior to This Change Order .....	\$3,730,547.49
Net Increase/Decrease Resulting from this Change Order .....	\$ 32,077.94
Revised Contract Price Including this Change Order .....	<u>\$3,762,625.43</u>

**Approval Recommended:**

By \_\_\_\_\_  
Steven P. Riehle, Public Works Director

Date \_\_\_\_\_

**The Above Change Order Accepted:**

\_\_\_\_\_  
The Diamond Engineering Company  
Contractor

By \_\_\_\_\_

Date \_\_\_\_\_

**Approved for the City of Grand Island:**

By \_\_\_\_\_  
Margaret Hornady, Mayor

Attest: \_\_\_\_\_  
RaNae Edwards, City Clerk

Date \_\_\_\_\_

RESOLUTION 2009-48

WHEREAS, on May 13, 2008, by Resolution 2008-122, the City Council of the City of Grand Island awarded The Diamond Engineering Company of Grand Island, Nebraska, the bid in the amount of \$3,379,328.25 for Street Improvement District 1256 for widening of Capital Avenue from the Moores Creek Drain to Webb Road; and

WHEREAS, the Diamond Engineering Company of Grand Island, Nebraska is the general contractor for such Street Improvement District 1256; and

WHEREAS, on August 12, 2008, by Resolution 2008-206, the City of Grand Island approved Change Order No. 1 which resolved conflicts with new and existing sanitary sewer infrastructure and increased the contract price by \$351,219.24; and

WHEREAS, Change Order No. 2 to the Street Improvement District 1256 has been reviewed and negotiated for such work by the general contractor; and

WHEREAS, the work for Change Order No. 2 to Street Improvement District 1256 is necessary to complete the Capital Avenue Widening Project, Street Improvement District 1256; and

WHEREAS, it is recommended that Change Order No. 2 to the work for Street Improvement District 1256 be completed by the general contractor, The Diamond Engineering Company of Grand Island, Nebraska; and

WHEREAS, such work is incorporated into Change Order No. 2; and

WHEREAS, the result of Change Order No. 2 will increase the contract amount by \$32,077.94 for a revised contract price of \$3,762,625.43; and

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the Mayor be, and hereby is, authorized and directed to execute Change Order Number 2 between the City of Grand Island and The Diamond Engineering Company of Grand Island, Nebraska on Street Improvement District 1256.

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Adopted by the City Council of the City of Grand Island, Nebraska, March 10, 2009.

\_\_\_\_\_  
Margaret Hornady, Mayor

Attest:

\_\_\_\_\_  
RaNae Edwards, City Clerk

Approved as to Form	<input type="checkbox"/> _____
March 5, 2009	<input type="checkbox"/> City Attorney