



# City of Grand Island

Tuesday, March 28, 2006

Council Session

## Item G9

**#2006-92 - Approving Certificate of Final Completion for the Capital Heights Drainway Rip Rap & Grading (2005-D-3) and for the Capital Avenue Outfall Structure (2005-D-4)**

Staff Contact: Steven P. Riehle, Public Works Director

# Council Agenda Memo

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

**Meeting:** March 28, 2006

**Subject:** Certificate of Final Completion for the Capital Heights Drainway Rip Rap & Grading (2005-D-3) and the Capital Avenue Outfall Structure (2005-D-4)

**Item #'s:** G-9

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

## Background

The contract for the Capital Heights Drainway Rip Rap and Grading (2005-D-3) and the Capital Avenue Outfall Structure (2005-D-4) was awarded to The Diamond Engineering Company of Grand Island, NE on October 25, 2005. The projects were to repair damages caused by the May 11, 2005 flood. The city entered into an agreement with the Natural Resources Conservation Service of the United States Department of Agriculture (NRCS) to cost share in the project. Work commenced on November 16, 2005 and was completed on February 10, 2006.

## Discussion

The project was completed in accordance with the terms, conditions, and stipulations of the contract, the plans, and the specifications. It was completed on schedule at a construction price of \$140,962.18. Total cost of the project including engineering is \$158,231.71. Costs for the project break down as follows:

Original Bid	\$ 141,551.58
Change Order #1	\$ (589.40)
<b>Sub Total (Construction Price)</b>	<b>\$ 140,962.18</b>
Additional Costs:	
Outside Engineering (Olsson Assoc.)	\$ 17,269.53
<b>Total Cost</b>	<b>\$ 158,231.71</b>

The NRCS share of the total cost is estimated at \$122,991.00.

## **Alternatives**

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

1. Move to approve the Certificate of Final Completion.
2. Refer the issue to a Committee.
3. Postpone the issue to future date.
4. Take no action on the issue.
- 5.

## **Recommendation**

City Administration recommends that the Council approve the Certificate of Final Completion for the Capital Heights Drainway Rip Rap and Grading (2005-D-3) and the Capital Avenue Outfall Structure (2005-D-4).

## **Sample Motion**

Move to approve the Certificate of Final Completion.

**ENGINEER'S CERTIFICATE OF FINAL COMPLETION**

**CAPITAL AVENUE OUTFALL STRUCTURE 2005-D-4  
CAPITAL HEIGHTS DRAINWAY RIPRAP & GRADING 2005-D-3**

**CITY OF GRAND ISLAND, NEBRASKA  
MARCH 28, 2006**

**TO THE MEMBERS OF THE COUNCIL  
CITY OF GRAND ISLAND  
GRAND ISLAND, NEBRASKA**

This is to certify that construction of the CAPITAL AVENUE OUTFALL STRUCTURE (2005-D-4) AND CAPITAL HEIGHTS DRAINWAY RIPRAP & GRADING (2005-D-3) has been fully completed by The Diamond Engineering Company of Grand Island, NE under the contract dated November 10, 2005. The construction was completed in accordance with the terms, conditions, and stipulations of said contract and complies with the contract, the plans, and the specifications. The work regarding the Drainage Project is hereby accepted for the City of Grand Island, Nebraska, by me as City Engineer / Public Works Director in accordance with the provisions of Section 16-650 R.R.S., 1943.

**Capital Avenue Outfall Structure (2005-D-4)  
Capital Heights Drainway Riprap & Grading (2005-D-3)**

<b>Item No.</b>	<b>Description</b>	<b>Total Quantity</b>	<b>Unit</b>	<b>Price</b>	<b>Total Cost</b>
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<b>Item No.</b>	<b>Description</b>	<b>Total Quantity</b>	<b>Unit</b>	<b>Price</b>	<b>Total Cost</b>
<b>SECTION A – 2005-D-4</b>					
1.	Remove Existing Sheet Piling	1.00	LS	\$10,500.00	\$ 10,500.00
2.	48" Reinforced Concrete Storm Sewer Pipe	46.34	LF	\$235.00	\$ 10,889.90
3.	48" Reinforced Concrete Flared End Section	1.00	EA	\$1,770.00	\$ 1,770.00
4.	Steel Sheet Piling	2602.60	SF	\$20.80	\$ 54,134.08
5.	Rock Rip Rap Type "B"	208	TN	\$49.00	\$ 10,192.00
6.	Rock Rip Rap Type "C"	118	TN	\$49.00	\$ 5,782.00
7.	Reuse Existing Rip Rap	86	CY	\$27.00	\$ 2,322.00
8.	Earthwork	336.70	SY	\$7,000.00	\$ 7,000.00
9.	Seeding Type "B"	1.00	LS	\$2,775.00	\$ 2,775.00
10.	Erosion Control, Type "HV"	742.00	SY	\$2.10	\$ 1,558.20
<b>TOTAL SECTION A</b>					<b>\$ 106,923.18</b>
<b>SECTION B – 2005-D-3</b>					
1.	Rock Rip Rap Type "A"	589	TN	\$49.00	\$ 28,861.00
2.	Earthwork	1.00	LS	\$2,220.00	\$ 2,220.00
3.	Seeding Type "B"	1.0	LS	\$1,550.00	\$ 1,550.00
4.	Re-Grade Channel	160	LF	\$8.80	\$ 1,408.00
<b>TOTAL SECTION B</b>					<b>\$ 34,039.00</b>

TOTAL SECTIONS A & B	\$ 140,962.18
<b>SUB TOTAL (CONSTRUCTION COST)</b>	<b>\$ 140,962.18</b>
Additional Costs:	
<u>Outside Engineering (Olsson Associates)</u>	<u>\$ 17,269.53</u>
<b>TOTAL COST</b>	<b>\$ 158,231.71</b>

Respectfully submitted,

Steven P. Riehle  
Public Works Director

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March 28, 2006

TO THE MEMBERS OF THE COUNCIL  
CITY OF GRAND ISLAND  
GRAND ISLAND, NEBRASKA

I hereby recommend that the Engineer's Certificate of Final Completion for the Capital Avenue Outfall Structure (2005-D-4) and Capital Heights Drainway Riprap & Grading (2005-D-3) be approved.

Respectfully submitted,

Jay Vavricek  
Mayor

RESOLUTION 2006-92

WHEREAS, the City Engineer / Public Works Director of the City of Grand Island has issued a Certificate of Final Completion for Project 2005-D-4 Capital Avenue Outfall Structure and Project 2005-D-3 Capital Heights Drainway Riprap and Grading, certifying that The Diamond Engineering Company of Grand Island, Nebraska, completed such project according to the terms, conditions, and stipulations of the contract, plans and specifications for such improvements; and

WHEREAS, the City Engineer recommends the acceptance of the certificate of final completion; and

WHEREAS, the Mayor concurs with such recommendation.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the Certificate of Final Completion for Project 2005-D-4 Capital Avenue Outfall Structure and Project 2005-D-3 Capital Heights Drainway Riprap and Grading is hereby confirmed and approved.

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Adopted by the City Council of the City of Grand Island, Nebraska, March 28, 2006.

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Jay Vavricek, Mayor

Attest:

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RaNae Edwards, City Clerk

Approved as to Form    ☐ \_\_\_\_\_  
March 23, 2006         ☐ City Attorney