



City of Grand Island

Tuesday, December 04, 2007

Council Session

Item G4

#2007-310 - Approving Change Order #1 - WS Industrial Service, Inc. - Outage Cleaning Service - Platte Generating Station

Staff Contact: Gary R. Mader; Wesley Nespor

Council Agenda Memo

From: Gary R. Mader, Utilities Director

Meeting: December 4, 2007

Subject: W-S Industrial Services, Inc. - Outage Cleaning Contract
- Change Order #1

Item #'s: G-4

Presenter(s): Gary R. Mader, Utilities Director

Background

Coal burning power plants produce ash and slag such that the boiler, hot gas ducting, precipitator, chimney, and ash handling systems must be cleaned before inspection and repair work can be done. Contractors specializing in this type of work utilize large equipment to grit blast or high pressure wash surfaces, and large vacuum systems to move the large volumes of waste materials generated.

Specifications were prepared and bids received prior to the overhaul outage at Platte Generating Station this fall. W-S Industrial Services, Inc., was awarded the contract for Outage Cleaning Services. The award was made at the August 28, 2007 Council meeting, in the amount of \$80,787.00.

Discussion

After shut down and cool down, plant staff gained access to areas in the boiler, ash handling systems, and chimney, and found conditions that needed closer inspection. The only way to achieve much of this inspection is to clean the surfaces with high pressure wash and/or grit blasting, and remove the resulting waste material. W-S Industrial was on-site with the large equipment needed to do the clean up in a time frame to meet the outage schedule. A detailed description of the specific needs is attached. The total cost of the additional repair work is \$66,340 plus tax at 7% for a total Change Order of \$70,983.81, and a final contract cost of \$151,770.81.

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

City Administration recommends authorizing Change Order #1 to the Outage Cleaning Services Contract at the Platte Generating Station with W-S Industrial Services, Inc., in the amount of \$70,983.81, and a resulting total contract amount of \$151,770.81.

Sample Motion

Move to approve Change Order #1 to the contract with W-S Industrial Services, Inc., for Outage Cleaning Services in the amount of \$70,983.81, for a revised total contract amount of \$151,770.81.

W-S Industrial Detailed Change Order Descriptions

- *Economizer Re-Vacuum (\$6,440)*
With the Superheater Replacement Project underway directly above the boiler economizer section, debris collected on the economizer, subsequent to the initial boiler clean.
- *Ash Silo Vacuum (\$7,840)*
In order to inspect the Ash Silo Interior Welds, all ash needed to be cleaned from the silo.
- *Boiler Penthouse Vacuum (\$9,380)*
Repairs were needed in the boiler penthouse. In order to ensure effective repairs, the area required cleaning.
- *Chimney Wet Vacuum (\$2,240)*
The chimney was cleaned, inspected, and repaired. Inspection revealed significant ash buildup inside the stack, which required high pressure water washing in order to perform an effective visual inspection. This process yields a wet ash slurry at the stack base, which is removed continuously during the water wash.
- *Circulating Water Screen Grit Blast (\$1,256)*
The condenser circulating water pump inlet screens were significantly rusted. This oxidation increases the screen/pump differential pressure. It was decided to mechanically clean the screens.
- *Boiler Backpass Clean (\$36,155)*
The boiler back-pass was vacuumed on three different occasions:
 - ✓ Upon unit shutdown for inspection and prior to the planned superheater replacement project commencing
 - ✓ After old superheater elements were removed
 - ✓ Prior to startup to remove and construction and repair debris
- *Total Material Costs (\$3,029)*
The materials used by W-S Industrial Services:
 - ✓ Grit material for blasting
 - ✓ Consumable corrugated piping

TOTAL W-S INDUSTRIAL ADDERS: \$66,340.00



*Working Together for a
Better Tomorrow. Today.*

Change Order #1

TO: W-S Industrial Services, Inc.
P.O. Box 461085
Papillion, NE 68046-1085

PROJECT: Outage Cleaning Services Contract Change Order - Platte Generating Station

You are hereby directed to make the following change in your contract:

1 Additional payment per the attached spreadsheet.

ADD: \$70,983.81

The original Contract Sum	<u> \$80,787.00</u>
Previous Change Order Amounts	<u> \$ -</u>
The Contract Sum is increased by this Change Order	<u> \$ 70,983.81</u>
The Contract Sum is decreased by this Change Order	<u> \$ </u>
The total modified Contract Sum to date	<u> \$ 151,770.81</u>

Approval and acceptance of this Change Order acknowledges understanding and agreement that the cost and time adjustments included represent the complete values arising out of and/or incidental to the work described therein.

APPROVED: CITY OF GRAND ISLAND

By: _____

Date _____

Attest: _____

Approved as to Form, City Attorney

ACCEPTED: W-S INDUSTRIAL SERVICES, INC.

By: _____

Date _____

RESOLUTION 2007-310

WHEREAS, on August 28, 2007, by Resolution 2007-201, the City of Grand Island awarded the bid for an Outage Cleaning Contract to W-S Industrial Services, Inc., of Papillion, Nebraska; and

WHEREAS, it has been determined that modifications to the work to be performed by W-S Industrial Services, Inc., are necessary; and

WHEREAS, such modifications have been incorporated into Change Order No. 1; and

WHEREAS, the result of such modification will increase the contract amount by \$70,983.81 for a revised contract price of \$151,770.81.

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 No. 1 between the City of Grand Island and W-S Industrial Services, Inc., of Papillion, Nebraska to provide the modification set out as follows:

Economizer Re-Vacuum.....	\$6,440.00
Ash Silo Vacuum.....	7,840.00
Boiler Penthouse Vacuum.....	9,380.00
Chimney Wet Vacuum.....	2,240.00
Circulating Water Screen Grit Blast.....	1,256.00
Boiler Backpass Clean.....	36,155.00
Total Material Cost.....	3,029.00
Tax.....	<u>4,643.81</u>
Total.....	\$70,983.81

- - -

Adopted by the City Council of the City of Grand Island, Nebraska, December 4, 2007.

Margaret Hornady, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form ☐ _____
November 30, 2007 ☐ City Attorney