



City of Grand Island

Tuesday, November 12, 2002

Speical Mtg/Council Session

Item G21

#2002-255 - Approving Change Order #1 for Precipitator Duct/Inlet Modifications for Platte Generating Station - The Industrial Company

Background:

As part of the major overhaul and inspection at Platte Generating Station, specifications were prepared for the repair and replacement of the expansion joints between the boiler economizer and inlet of the precipitator. The bid was awarded on August 13, 2002 for \$272,850.00, to The Industrial Company.

Discussion:

The area of repair is in ducting which is not accessible when the power plant is on line because the temperatures there run 750o F to 800o F. The bid specifications included work known to need repairs based on inspections by plant staff during the last maintenance outage last April. After removal of lagging, insulation, and weather flashing, more extensive damage was found. Additional work was required to build drip edges and modify flashing to shed water and there were serious cracks in the ductwork that required internal scaffolding to repair. Inspections also indicated damaged precipitator inlet zig zag distribution plates (these plates distribute the hot boiler exhaust gases before they enter the precipitator for ash removal) that needed to be replaced, straightened and refastened where attachments were gone and the plates were warped.

Total Change Order cost is \$66,545.00. Plant engineering staff has reviewed and evaluated each item of the proposed Change Order.

Recommendation:

The Utilities Department recommends authorizing this Change Order # 1 to the Precipitator Duct / Inlet Modifications Contract at the Platte Generating Station for an addition to the contract price of \$65,545.00.

Fiscal Effects:

An additional cost of \$ 66,545.00 from Enterprise Fund 520. There are sufficient funds available.

Alternatives:

None recommended. See attached RESOLUTION.

Staff Contact: Gary Mader; Dale Shotkoski

RESOLUTION 2002-355

WHEREAS, on August 13, 2002, by Resolution 2002-240, the City Council for the City of Grand Island awarded the bid for precipitator duct/inlet modifications to The Industrial Company of Grand Island, Nebraska; and

WHEREAS, it has been determined that modifications to the work to be performed by The Industrial Company are necessary; and

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

WHEREAS, the result of such modifications for this project will increase the contract amount by \$66,545.00.

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 The Industrial Company to provide modifications as outlined on the attached list.

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Adopted by the City Council of the City of Grand Island, Nebraska on November 12, 2002.

RaNae Edwards, City Clerk

Approved as to Form	?
November 7, 2002	? City Attorney

City of Grand Island
Utilities Department
Precipitator and Inlet Duct Modifications Contract Change - Platte Generating Station

<u>Description</u>	<u>Amount</u>
1. Remove & replace insulation, lagging, and flashing at the precipitator inlet and on top of the ducts to inspect the condition of the ducts, look for cracks, and determine how to repair.	\$ 2,186.00
2. Modify the insulation, lagging, and flashing at the precipitator inlet and around the plate rappers to eliminate water leaks.	\$14,497.00
3. Modify the precipitator inlet duct roof lagging and foam the box rib end openings to shed water. Build drip edges at the precipitator expansion joints. Modify the flashing at the new expansion joints where the test ports were removed.	\$ 7,487.00
4. Repair cracks in the precipitator inlet and ducts. Sargent & Lundy inspected and determined there was no serious structural failure, just 20 years of use.	\$13,751.00
5. Scaffolding for repairing cracks	\$19,683.00
6. Replace damaged precipitator inlet zig zag distribution plates.	\$ 528.00
7. Straighten and refasten many of the inlet zig zag plates where attachments were gone and the plates were warped.	\$ 8,413.00
Total	\$66,545.00