



City of Grand Island

Tuesday, January 28, 2003

Council Session

Item G15

#2003-34 - Approving Change Order #3 for General Contract Work - Burdick Station GT-2 and GT-3 Combustion Turbine Project - Utilities Department

Background:

The Industrial Company (TIC) from Steamboat Springs, Colorado was awarded the general construction contract for the installation of utility combustion turbine-generators on December 4, 2001. The contract includes the erection of the combustion turbines, foundations, piping systems, electrical duct banks, area drainage, transformers, circuit breakers, substation modifications, fire protection, fuel oil and natural gas systems, controls systems, pollution control systems, roads and buildings; essentially the entire project.

Discussion:

Since construction began there have been numerous additions and changes as the system and subsystem specific information has become available and engineering design finalized. Proposed Change Order No. 3 to the General Construction Contract covers the following additions and changes. Our engineering consultants, Sargent and Lundy, and the Utilities Department staff have reviewed each change.

Summary of Change Order No. 3:

<i>Substation electrical revisions</i>	<i>\$ 45,986.00</i>
<i>Provide conduit for fiber-optic cable</i>	<i>\$ 11,281.00</i>
<i>Sewer & underground pipe revisions</i>	<i>\$113,327.00</i>
<i>Delete chemical cleaning for demineralized water piping</i>	<i>\$ (3,027.00)</i>
<i>Provide grounding for fuel oil piping</i>	<i>\$ 21,986.00</i>
<i>Provide additional access platforms & vents</i>	<i>\$ 67,397.00</i>
<i>115 kV breaker repair</i>	<i>\$ 14,238.00</i>
<i>Provide additional grounding for generator transformer</i>	<i>\$ 415.00</i>
<i>Provide additional pipe heat tracing</i>	<i>\$ 1,995.00</i>
<i>Provide additional anchoring for frame cooling blowers</i>	<i>\$ 9,821.00</i>
<i>Provide shielding for control wiring</i>	<i>\$ 2,988.00</i>
<i>Provide additional pipe insulation</i>	<i>\$ 3,606.00</i>
<i>Deduct for damaged cable replacement</i>	<i>\$ (2,596.00)</i>
<i>Change of transformer enclosure material</i>	<i>\$ (6,887.00)</i>
<i>Delete seeding of site</i>	<i>\$(16,043.00)</i>
<i>Thermocouple cable revision</i>	<i>\$ 12,318.00</i>
<i>Start up work</i>	<i>\$ 47,368.00</i>

Back charges to GEEPE *\$ 1,364.00*

Total *\$325,537.00*

Recommendation:

The Utilities Department recommends authorizing this Change Order #3 to the General Contract Work Contract at the Burdick Generating Station for an addition to the contract price of \$325,537.00. This results in a contract price of \$12,312,050.42.

Fiscal Effects:

Bonded project.

Alternatives:

None recommended. See attached RESOLUTION.

Staff Contact: Gary R. Mader; Dale Shotkoski

CHANGE ORDER # 3

TO: TIC, The Industrial Company
 2211 Elk River Road
 P.O. Box 774848
 Steamboat Springs, CO 80477

Project: GENERAL CONTRACT WORK – CT ADDITION BURDICK GENERATING STATION

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

1. Additional payment of the items listed on the attached spreadsheet.

ADD: \$ 325,537.00 and/or DELETE: \$ _____

The original Contract Sum	\$ <u>10,997,615.00</u>
Previous Change Order Amounts	\$ <u>988,898.42</u>
The contract Sum is increased by this Change Order	\$ <u>325,537.00</u>
The total modified Contract Sum to date	\$ <u>12,312,050.42</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: TIC, THE INDUSTRIAL COMPANY

By: _____ Date _____

R E S O L U T I O N 2003-34

WHEREAS, on December 4, 2001, by Resolution 2001-328, the City Council for the City of Grand Island awarded the bid for general contract work on combustion turbines at Burdick Station to The Industrial Company of Steamboat Springs, Colorado; 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. 3; and

WHEREAS, the result of such modifications will increase the contract amount by \$325,537.00 for a total contract price of \$12,312,050.42.

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. 3, between the City of Grand Island and The Industrial Company of Steamboat Springs, Colorado to provide the following modifications:

	<u>Amount</u>
Substation electrical revisions	\$ 45,986.00
Provide conduit for fiber-optic cable	11,281.00
Sewer and underground pipe revisions	113,327.00
Delete chemical cleaning for demineralized water piping	(3,027.00)
Provide grounding for fuel oil piping	21,986.00
Provide additional access platforms & vents	67,397.00
115 kV breaker repair	14,238.00
Provide additional grounding for generator transformer	415.00
Provide additional pipe heat tracing	1,995.00
Provide additional anchoring for frame cooling blowers.....	9,821.00
Provide shielding for control wiring	2,988.00
Provide additional pipe insulation.....	3,606.00
Deduct for damaged cable replacement	(2,596.00)
Change for transformer enclosure material.....	(6,887.00)
Delete seeding of site.....	(16,043.00)
Thermocouple cable revision.....	12,318.00
Start-up work.....	47,368.00
Backcharges to GEEPE	1,364.00

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Adopted by the City Council of the City of Grand Island, Nebraska, January 28, 2003.

RaNae Edwards, City Clerk

Approved as to Form <input type="checkbox"/> _____ January 24, 2003 <input type="checkbox"/> City Attorney
