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ERIE COUNTY LEGISLATURE

1999 FEB -2 A 10:44

County of Erie

DENNIS T. GORSKI
COUNTY EXECUTIVE

PHONE: 716-858-8500

January 4, 1999

Erie County Legislature
County Hall
25 Delaware Avenue
Buffalo, New York 14202

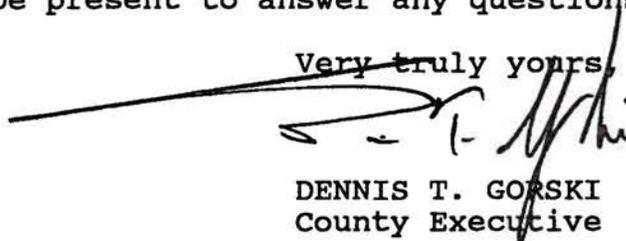
RE: Erie County Sewer District No. 4
Depew Pumping Station
Contract EC-6D - Change Order No. 3
CIR Electrical Construction

Honorable Members:

Enclosed please find an accompanying memorandum from the Department of Environment and Planning, Division of Sewerage Management pertaining to Change Order No. 3 with CIR Electrical Construction for Contract EC-6D.

Please refer this matter to the Energy and Environment Committee. A representative of the Department of Environment and Planning will be present to answer any questions.

Very truly yours,



DENNIS T. GORSKI
County Executive

DTG:ss
cc: SS190

REF.: E&PEELTX.DSM

3E-20



County of Erie

DENNIS T. GORSKI
COUNTY EXECUTIVE

DEPARTMENT OF ENVIRONMENT AND PLANNING

RICHARD M. TOBE
COMMISSIONER

January 4, 1999

Erie County Legislature
County Hall
25 Delaware Avenue
Buffalo, New York 14202

RE: Erie County Sewer District No. 4
Depew Pumping Station
Contract No. EC-6D
CIR Electrical Construction
Change Order No. 3

Honorable Members:

I. SUMMARY OF THE RECOMMENDED ACTION

The Erie County Legislature receive and file Change Order No. 3 to Contract EC-6D, Depew Pumping Station, in the amount of \$25,403.12.

II FISCAL IMPACT

Change Order No. 3 will have no fiscal impact on Erie County's General Fund. The funds for this change order will be allocated from Sewer Capital, Erie County Sewer District No. 4 Fund No. 430, Project No. 535, Department No. 810.

III REASON FOR THE RECOMMENDATION

The purpose of the change order is to provide the necessary electrical changes to the pumping station to assure that all the equipment has the proper controls to operate the station under all potential circumstances. Additional lighting is required for the proper maintenance of the facility. These improvements will greatly improve the reliability of the electrical system of the Sewer District's most important pumping station that services all of the Villages of Depew and Lancaster, as well as, the Town of Lancaster within Sewer District No. 4.

IV BACKGROUND

A new pumping station is being constructed to handle the increased flow from the Sewer District's service area. Construction documents were developed and construction contracts were awarded by the Erie County Legislature on May 1, 1997.

The new pumping station contains sophisticated equipment that has to interact with each component to assure that the station can operate under all potential conditions. During start up of the station, it was determined that certain additional electrical items were required to assure that the pumping station could handle all situations and continue to operate. Any disruptions or failures of this equipment could cause the station to shut down and subject it to potential overflows. Additionally, it was determined that the lighting inside the pumping station was inadequate to properly maintain the equipment and more lights were installed to have an acceptable level of illumination.

V. CONSEQUENCE OF A NEGATIVE ACTION

This is a receive and file item.

VI. STEPS FOLLOWING APPROVAL

This is a receive and file item.

VII. COMPTROLLER'S OFFICE REVIEW

The proposed legislation has been reviewed by the Comptroller's Office and is related to an authorized capital project for which there are sufficient account balances for the action proposed. It is recommended that this legislation be approved.

Signed 

Date 1-13-99

Title _____

Erie County Legislature
January 4, 1999
Page Three

Please refer this item to the Energy and Environment
Committee. A representative of the Department will be present
to answer any questions.

Very truly yours,



Richard M. Tobe
COMMISSIONER

Recommended by:



Charles J. Alessi, P.E.
DEPUTY COMMISSIONER

RMT:TMB:ss

Encl.

cc: Richard Tobe

C. Alessi/0.7.1.0 (w/encl)

E. Pryce/T. Batt/J. Mallory/S. Lombardo/4.3.3.EC-6D (w/encl)

S. Tirone (w/encl)

SS190

REF.: E&PEELTX.DSM

ERIE COUNTY DEPARTMENT OF ENVIRONMENT & PLANNING
DIVISION OF SEWERAGE MANAGEMENT

CHANGE ORDER No. 3 DATE Nov.18, 1998 SHEET 1 of 3

CONTRACT No. EC-6D Electrical FILE No. 4.3.3.EC-6D

PROJECT Depew Pumping Station Contract EC-6

CONTRACTOR'S NAME CIR Electrical Construction

CONTRACTOR'S ADDRESS 1067 Harlem Road, Buffalo, N.Y. 14227

DESCRIPTION OF CHANGE TO CONTRACT

Nine additional contract items as outlined on Page 2 are being reimbursed under this Change Order for a total cost of \$25,403.12.

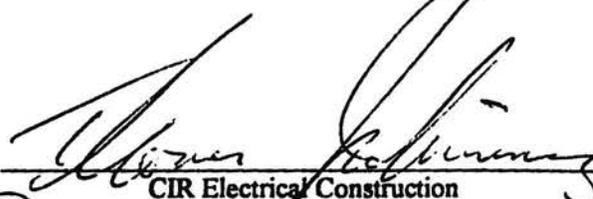
REASON FOR MODIFICATION

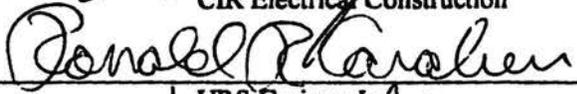
In accordance with the contract documents, the contractor shall be reimbursed for additional work that is beyond the original scope of the contract that is necessary for the successful completion of the project. See Sheet 3 for additional information.

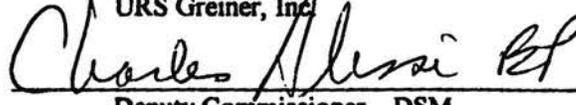
CONTRACT COST SUMMARY

Original Contract	\$455,200.00
Previous Change Order No. 1	\$8,034.00
Previous Change Order No. 2	-0-
Change Order No. 3	\$25,403.12
Revised Contract Amount	\$488,637.12

AUTHORIZATION

CONTRACTOR  DATE 11/23/98
CIR Electrical Construction

ENGINEER  DATE 11/23/98
URS Greiner, Inc

COUNTY OF ERIE  DATE 11/24/98
Deputy Commissioner - DSM

ERIE COUNTY LEGISLATURE COMM. No. REC 2 FILE DATE _____

ERIE COUNTY SEWER DISTRICT No. 4 BOARD OF MANAGERS DATE 12/3/98

Erie County Sewer District No. 4
Depew Pump Station
Contract EC-6D, Electrical
Change Order No. 3

TIME EXTENSION

No additional time is necessary as a result of this Change Order.

INDIRECT COSTS

No indirect costs are involved with this Change Order.

ADDITIONAL ENGINEERING COSTS

No additional engineering costs are a result of this Change Order.

INDIVIDUAL DESCRIPTION OF CHANGES TO CONTRACT

1. Modify the circuit breakers and wiring components of Power Panel PP-2, cost \$966.00. Attachment I.
2. Furnish labor and materials to make electrical connections to the seven spurs of the overhead crane system located in the dry well, cost \$5,081.75. Attachment II.
3. Provide additional lighting in the intermediate and lower drywell areas, additional GFI outlets and additional emergency lighting on stairways, cost \$13,190.00. Attachment III.
4. Provide a low voltage distribution panel LVDP#2 with breakers and revise the circuits in panel LVDP#1, cost \$1,750.00. Attachment IV.
5. Provide in line fuses and LED lights on the 120V to the five motor winding excitation sensors, cost \$975.00. Attachment V.
6. Install a plywood backboard for the telephone service and 1" conduit from telephone backboard to the flow recorder panel, cost \$550.00. Attachment VI.
7. Provide emergency electrical push button shut offs and associated conduits for the channel monsters, cost \$1,055.00. Attachment VII.
8. Provide temporary relocation of power wires between existing pump station and electrical handhole #1 in order to permit the installation of the influent chamber, cost \$1,685.37. Attachment VIII.
9. Furnish and install control wiring from the unit heater to the generator to assure that the heater does not run when generator is running, cost \$150.00. Attachment IX.

INDIVIDUAL REASONS FOR MODIFICATIONS

1. **Modify the circuit breakers and wiring components of Power Panel PP-2:** Larger breakers were required for the Channel Monster panels and larger spare breakers to correspond to the actual sizes in the panel.
2. **Furnish labor and materials to make electrical connections to the seven spurs of the overhead crane system located in the dry well:** Contract documents and shop drawings did not show that the spurs for the overhead crane system required 120V power to energize the spurs. Contractor was reimbursed for installing conduit and wire to the spurs in order for the crane to operate on the spurs.
3. **Provide additional lighting in the intermediate and lower drywell areas, additional GFI outlets and additional emergency lighting on stairways:** The drywell area of the pump station did not provide sufficient lighting to properly maintain the pump station in a safe manner. Additional lighting was installed in the intermediate and lower areas for general maintenance and emergency lighting was installed on the stairways. Convenience outlets were added to the lower level. Contractor was reimbursed for the conduit, wire and fixtures.
4. **Provide a low voltage distribution panel LVDP#2 with breakers and revise the circuits in panel LVDP#1:** Due to the amount of 120V circuits the pump station required, the low voltage distribution panel installed as part of the contract exceeded the capacity of the panel and an additional panel was installed. Different size breakers were needed to accommodate the new panel.
5. **Provide in line fuses and LED lights on the 120V to the five motor winding excitation sensors:** In order to protect the excitation power from the motor winding sensors, in line fuses were installed. LED lights were installed to indicate that the sensors were operating.
6. **Install a plywood backboard for the telephone service and 1" conduit from telephone backboard to the flow recorder panel:** The telephone Company requires a plywood backboard installed to mount their equipment before they will provide service to the station. A conduit and wire was required to be installed from the flow control panel to the telephone panel to allow the flow recorders to receive the required signals from the remote monitoring points.
7. **Provide emergency electrical push button shut offs and associated conduits for the channel monsters:** As a safety measure, emergency electrical disconnects to the channel monster comminutors are installed at all new pump stations to immediately shut off the equipment should something or someone get entangled in the screens.
8. **Provide temporary relocation of power wires between existing pump station and electrical handhole #1 in order to permit the installation of the influent chamber:** During the installation of the influent chamber, an active existing electrical conduit to the existing pump station was not shown correctly on the plans and required the electrical line to be relocated out of the way so that the work on the chamber could continue.
9. **Furnish and install control wiring from the unit heater to the generator to assure that the heater does not run when generator is running:** When the generator is running, the air in the room is forced out the louvers to cool the radiator, causing the thermostat to turn on the unit heater and the heat escaping for the entire time the generator is running. The unit heater was wired to the generator control panel to turn off when the generator is running to save energy.