



Legislation Text

File #: 0548-2008, Version: 1

BACKGROUND: This Ordinance authorizes the Director of Public Utilities to modify and increase the construction contract with Danis Industrial Construction Co. for the Dublin Road Water Plant Disinfection & Miscellaneous Improvements - Sodium Hypochlorite Facility, for the Division of Power and Water. Modifications are needed due to unforeseen conditions found during construction.

The contract modifications include: a) additional paving work including removal and replacement of deficient asphalt at the parking lot east of the plant, b) electrical duct bank repair at the northwest corner of the plant, c) revisions to the electrical upgrades at the existing switchgear (Motor Control Center) located adjacent to the High Service Pump Building, d) installation of three additional circuit breakers in the Bulk Chemical Building electrical substation to facilitate interface between the new electrical substation and existing carbon dioxide feed panels, and e) a contingency of \$30,000.00. The total amount of this modification is \$159,623.00, a 1.9% increase of the original contract cost.

1. Amount of additional funds to be expended: \$159,623.00

Original Contract Amount: \$8,389,500.00

Amount of original contract and this modification: \$8,549,123.00

2. Reasons additional goods/services could not be foreseen:

- Regarding the paving work, the asphalt base conditions were found to be different than anticipated during design due to apparent substandard installation as part of the original installation in the 1970's. Additional installation effort required for resurfacing due to these subsurface deficiencies.
- Existing electrical duct bank deficiencies discovered during course of construction. Deficiencies needed to be repaired prior to proceeding with placement of new full depth concrete pavement in vicinity of duct bank. Failure to correct these deficiencies prior to continued construction would have had a negative impact on the construction schedule.
- Interface between new and existing Motor Control Center (MCC) adjacent to the High Service Pump Building not verified until the MCC was de-energized and shut down during course of construction. Timely resolution to necessary electrical upgrades required to avoid impact to schedule.
- Installation of additional circuit breakers were required in order to allow continuous feed of carbon dioxide during the transition from the old to new electrical substation. Carbon dioxide is needed as part of the water treatment process to maintain the appropriate finished water pH value. This was a field determined constructability issue.

3. Reason other procurement processes are not used:

This modification keeps the contractor on schedule to finalize the Dublin Road Water Plant's switch from feeding gaseous chlorine to a more stable (sodium hypochlorite) disinfectant. The additional cost and liability associated with bidding out this work would well exceed any benefit.

4. How cost of modification was determined:

Costs were submitted by the Contractor and reviewed and verified by the Construction Administrator and Engineering Consulting Team.

Contract Compliance Information: 31-1807991, expires 8/24/08, Majority

FISCAL IMPACT: There is sufficient funding within the Water Works Enlargement Voted Bonds Fund.

To authorize the Director of Public Utilities to modify and increase the construction contract with Danis Industrial Construction Co. due to unforeseen conditions found during construction on the Dublin Road Water Plant Disinfection & Miscellaneous Improvements - Sodium Hypochlorite Facility, for the Division of Power and Water (Water), and to authorize the appropriation and expenditure of

\$159,623.00 within the Water Works Enlargement Voted Bonds Fund. (\$159,623.00)

WHEREAS, Contract No. EL006590 was authorized by Ordinance No. 1579-2006, passed October 16, 2006, was executed on November 30, 2006, and was approved by the City Attorney on December 6, 2006; and

WHEREAS, the contract needs to be modified due to unforeseen conditions found during construction; and

WHEREAS, it has become necessary in the usual daily operation of the Department of Public Utilities, Division of Power and Water, to modify and increase the existing contract with Danis Industrial Construction Co. due to unforeseen conditions found during construction on the Dublin Road Water Plant Disinfection & Miscellaneous Improvements - Sodium Hypochlorite Facility, for the preservation of the public health, peace, property, safety and welfare; now, therefore,

BE IT ORDAINED BY THE COUNCIL OF THE CITY OF COLUMBUS:

SECTION 1. That the Director of Public Utilities is hereby authorized and directed to modify and increase the existing construction contract with Danis Industrial Construction Co. due to unforeseen conditions found during construction on the Dublin Road Water Plant Disinfection & Miscellaneous Improvements - Sodium Hypochlorite Facility, in the amount of \$159,623.00

SECTION 2. That this contract modification is in compliance with Section 329.16 of Columbus City Codes, 1959.

SECTION 3. That said construction company shall conduct the work to the satisfaction of the Director of Public Utilities and the Administrator of the Division of Power and Water.

SECTION 4. That to pay the cost of the aforesaid contract modification, the expenditure of \$159,623.00, or so much thereof as may be needed, is hereby authorized from the Water Works Enlargement Voted Bonds Fund, Fund No. 606, Division No. 60-09, Project 690379, OCA 606379, Object Level One 06, Object Level Three 6623.

SECTION 5. That the City Auditor is hereby authorized and directed to transfer any unencumbered balance in the project account to the unallocated balance within the same fund upon receipt of certification by the Director of the Department administering said project that the project has been completed and the monies no longer required for said project; except that no transfer shall be made from a project account by monies from more than one source.

SECTION 6. That the City Auditor is authorized to establish proper project accounting numbers as appropriate.

SECTION 7. That the City Auditor is authorized to make any accounting changes to revise the funding source for all contracts or contract modifications associated with this Ordinance.

SECTION 8. That this Ordinance shall take effect and be in force from and after the earliest period allowed by law.