



Legislation Text

File #: 1529-2013, Version: 1

- 1. Background:** This legislation authorizes the Director of Public Utilities to enter into an engineering agreement with Varo Engineers, Inc. for the Williams Rd/Castle Rd. Sanitary Pump Station Control Valve Upgrade Project. The City desires to replace the existing sanitary pump discharge control valves because the manufacture has discontinued all field support of the currently installed system. Newer technology installed at the City sewerage treatment plants has made the current system obsolete and the new systems are more reliable and easier to maintain and trouble shoot. The consultant shall prepare a report for the City containing cost estimates to replace these valves. Upon successful review of the report, the consultant will then prepare construction documents and plans to replace the discharge control valves at this station.

An 'Arc Flash Hazard Analysis Study' was performed by Lewellyn Technology of all City pump stations and it was found that this station has many arc flash hazards that may be corrected/reduced by installation of a faster acting fuse or other device(s) to reduce the arc flash hazard. The City wishes to reduce all 'Dangerous!' categories for this station to a category 2 rating and investigate the merits of reducing category 3 and 4 ratings to a category 2 rating level. The consultant shall confirm the results from this previous study and prepare a report for the City containing cost estimates to mitigate these rating categories. Upon successful review of the report, the consultant will then prepare construction documents and plans to reduce the 'as authorized' arc flash hazards at this station. At the conclusion of the construction improvements, the consultant shall provide an updated 'Arc Flash Hazard Analysis' for this station.

Currently the existing SCADA system at this station provides only monitored results from key flow levels and operational parameters back to the Sewer Maintenance Operations Center. The City desires to update the existing SCADA system to provide real time control of all operational functions via the SCADA system to the Sewer Maintenance Operations Center. Coordinate with City staff and the City's Instrumentation and Controls Consultant to investigate and recommend alternatives where installation of flow meters, advanced electronic measurement devices, or sensors would enhance system knowledge thru the existing SCADA system. The consultant shall prepare a report for the City containing cost estimates to update the SCADA system. Upon successful review of the report, the consultant will then prepare construction documents and plans to upgrade the existing SCADA system at this station.

- 2. Project Timeline:** One year, approximately 365 days.
- 3. Procurement Information:** The Division advertised for Requests for Proposals on the City of Columbus's vendor Services' website and in the City Bulletin in accordance with the provisions of Section 329.14 of the Columbus City Code. The submission date for the Requests for Proposals (RFP's) was February 22, 2013. Three proposals were submitted for evaluation.
- 4. Contract Compliance No:** 31-0722508 | MAJ | Expires 02/15/2015
- 5. Emergency Designation:** Emergency designation **is not** requested at this time.
- 6. Economic / Environmental Impact:** This project will primarily consists of capital costs, with beneficial social and environmental costs thru the elimination of potential stormwater pollution to the City MS4 system caused by a sanitary sewer overflow at a City maintained pump station. In addition, there are various environmental fines, sanctions, and clean-up costs associated with a sanitary sewer overflow and/or WIB's in residential and commercial

facilities.

7. **Fiscal Impact:** This legislation authorizes the transfer within of \$111,770.88 and the expenditure of up to \$411,770.88 from the Sanitary Sewer General Obligation Bond Fund, Fund 664, and to amend the 2013 Capital Improvements Budget.

To authorize the Director of Public Utilities to enter into a professional engineering agreement with Varo Engineers, Inc. for the Williams Road / Castle Road Sanitary Pump Station Control Valve Upgrade Project for the Division of Sewerage and Drainage; to transfer within \$111,770.88 and expend up to \$411,770.88 from the Sanitary Sewer General Obligation Bond Fund; and to amend the 2013 Capital Improvements Budget. (\$411,770.88)

WHEREAS, the City The City desires to replace the existing sanitary pump discharge control valves because the manufacture has discontinued all field support of the currently installed system; and

WHEREAS, the newer technology installed at the City sewerage treatment plants has made the current system obsolete and the new systems are more reliable and easier to maintain and trouble shoot; and

WHEREAS, it is necessary for City Council to authorize the transfer within of \$111,770.88 and the expenditure of up to \$411,770.88 from the Sanitary Sewer General Obligation Bond Fund, Fund 664; and

WHEREAS, it is necessary to authorize an amendment to the 2013 Capital Improvements Budget for purposes of providing sufficient budget authority for the project expenditures; and

WHEREAS, the Division of Sewerage and Drainage, Department of Public Utilities is requesting that this Council authorize the Director of Public Utilities to into a professional engineering agreement with Varo Engineers, Inc. for the Williams Road / Castle Road Sanitary Pump Station Control Valve Upgrade Project for the Division of Sewerage and Drainage, at the earliest practical date for the preservation of the public health, peace, property, safety, and; **Now, Therefore,**

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

SECTION 1. That the Director of Public Utilities be and hereby is authorized to enter into a professional engineering agreement with Varo Engineers, Inc., 2751Tuller Parkway, Dublin, Ohio 43017 for the Williams Road / Castle Road Sanitary Pump Station Control Valve Upgrade Project; in the amount of \$411,770.88; in accordance with the terms and conditions of the contract on file in the Office of the Division of Sewerage and Drainage.

SECTION 2. That the City Auditor be and hereby is authorized and directed to transfer up to \$111,770.88 from within the Sanitary Sewer General Obligation Bond Fund | Fund No. 664 | Division 60-05 | Object Level Three 6676:

From:

Fund No. | Project No. | Project Name | OCA Code | change

664 | 650749-100000 | Second Ave Pump Station Replacement | 664749 | -\$111,770.88

To:

Fund No. | Project No. | Project Name | OCA Code | change

664 | 650751-100000 | Williams Rd/Castle Rd Sanitary Pump Station Control Valve Upgrade | 647512 | +111,770.88

SECTION 3. That the 2013 Capital Improvements budget Ordinance No. 0645-2013 is hereby amended as follows, to provide sufficient budget authority for the project expenditures stated in the ordinance herein.

Project No. | Proj. Name | Current | Revised | (Change)

650749-100000 | Second Ave Pump Station Replacement | \$167,854 | \$56,083 | (-\$111,771)

650751-100000 | Williams Rd/Castle Rd Sanitary Pump Station Control Valve Upgrade | \$300,000 | \$411,771 | (+\$111,771)

SECTION 4. That the Director of Public Utilities be and hereby is authorized to expend up to a total of \$411,770.88 from the Sanitary Sewer General Obligation Bond Fund for the General Engineering Services Project | Fund 664 | Div. 60-05 | Proj. 650751-100000 | 647512 | Object Level Three 6676.

SECTION 5. That the said firm, Varo Engineers, Inc., shall perform the work to the satisfaction of the Director of Public Utilities and the Administrator of the Division of Sewerage and Drainage.

SECTION 6. That the funds necessary to carry out the purpose of this ordinance are hereby deemed appropriated, and the City Auditor shall establish such accounting codes as necessary.

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 the Director of Public Utilities is hereby authorized 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 are no longer required for said project; except that no transfer shall be made from a project by monies from more than one source.

SECTION 9. That the City Auditor is authorized to establish proper project accounting numbers as appropriate.

SECTION 10. That this ordinance shall take effect and be in force from and after the earliest period allowed by law.