



Legislation Text

File #: 1859-2017, **Version:** 1

1.0 BACKGROUND: This Ordinance authorizes the Director of Public Utilities to modify and increase the professional engineering services agreement with Patrick Engineering Inc. for the O'Shaughnessy Hydro Turbine Facilities Improvements Project, Division of Water Contract No. 972.

The O'Shaughnessy Hydro Turbine Facility is more than thirty years old and its major components are in need of repair. The original agreement (Phase 1) provided engineering services to design the improvements needed to restore the facility to fully working condition. Work performed to date includes engineering study and field inspection of exposed / non-wetted areas.

This Contract Modification (No. 1) is for Phase 2 work and includes Preliminary and Detailed Design Services, including bulkhead repairs, dewatering, inspections and condition assessments of concealed / wetted areas, development of a scope of improvements for detailed design work, detailed design, and bidding services.

Planning area 2: Far Northwest

1.1 Amount of additional funds to be expended: \$1,798,100.00

Original Contract Amount:	\$ 250,000.00 (EL016667)
Modification No. 1 (current):	<u>\$1,798,100.00</u>
Total (Orig. + Mod. 1)	\$2,048,100.00
Modification No. 2 (future):	<u>\$ 800,000.00</u>
	\$2,848,100.00

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

Ordinance No. 2690-2014 anticipated Contract Modification No. 1 for Detailed Design Services, however, bulkhead repairs were not anticipated.

Bulkheads are used to keep water out of the facility during dewatering and were not in good repair. This prevented the team from successfully dewatering the facility to perform the in-depth inspections required for preliminary engineering. Additionally, the original scope of work assumed that the disassembly and reassembly of the hydro turbines would be performed by the City of Columbus staff, or others. This is highly specialized work controlled by tight tolerances. The City staff cannot perform this work, so it has been added to the preliminary design scope.

1.3. Reason other procurement processes are not used:

This modification was anticipated and noted under Ordinance No. 2690-2014. Additionally, the current consultant is familiar with the project and has completed the study phase of the project already. Bidding the work to another consultant will delay the project and will result in higher costs due to bringing the new consultant up to speed on the project.

1.4. How cost of modification was determined:

The engineering firm obtained bids and quotes for the work to repair the bulkheads and prepared estimated hours and costs to perform the design engineering tasks. The estimates were reviewed by City staff and approved.

2.0. FUTURE CONTRACT MODIFICATION: A future modification will be requested for Phase 3, Engineering Services During Construction.

3.0 ECONOMIC IMPACT/ADVANTAGES; COMMUNITY OUTREACH; PROJECT DEVELOPMENT; ENVIRONMENTAL FACTORS/ADVANTAGES OF PROJECT: The O'Shaughnessy Dam and Reservoir is primarily used as a source of drinking water supply for Columbus and multiple suburbs. Hydropower and recreation are secondary uses. The power plant, owned and operated by the City of Columbus, is licensed by the Federal Energy Regulatory Commission (FERC). Under the Federal Energy Regulatory Commission (FERC) licensing authority, underutilized or abandoned power plants could potentially be taken over by another hydropower developer. Loss of operational control of the power plant by the City could result in conflicts of interest between water supply and power generation. By repairing the power plant's two hydro turbine units, the city will retain its license with FERC and full operational control of the drinking water supply.

Additionally, positive environmental impacts include utilizing a clean renewable energy source for generation of power. This will reduce the City's carbon footprint.

4.0 CONTRACT COMPLIANCE INFO: 36-3008281, expires 10/21/18, Majority. DAX Vendor No. is 007237.

Searches in the Excluded Party List System (Federal) and the Findings for Recovery list (State) produced no findings against Patrick Engineering Inc.

5.0 FISCAL IMPACT: A transfer of funds within the Water G.O. Bonds Fund and an amendment to the 2017 Capital Improvements Budget will be necessary.

To authorize the Director of Public Utilities to enter into a planned modification of the professional engineering services agreement with Patrick Engineering Inc. for the O'Shaughnessy Hydro Turbine Facilities Improvements Project; for the Division of Water; to authorize a transfer and expenditure up to \$1,798,100.00 within the Water General Obligations Bond Fund; and to amend the 2017 Capital Improvements Budget. (\$1,798,100.00)

WHEREAS, Contract No. EL016667 was authorized by Ordinance No. 2690-2014, passed December 15, 2014, was executed on January 27, 2015, and approved by the City Attorney on February 2, 2015, for the O'Shaughnessy Hydro Turbine Facilities Improvements Project; and

WHEREAS, Contract Modification No. 1 (current) will establish funding for Preliminary and Detailed Design Services; and

WHEREAS, it is necessary for this Council to authorize the Director of Public Utilities to modify and increase the professional engineering services agreement with Patrick Engineering Inc., for the O'Shaughnessy Hydro Turbine Facilities Improvements Project; and

WHEREAS, it is necessary for this Council to authorize a transfer and expenditure of funds within the Water G.O. Bond Fund, for the Division of Water; and

WHEREAS, it is necessary to authorize an amendment to the 2017 Capital Improvements Budget for the purpose of providing sufficient spending authority for the aforementioned project expenditure; and

WHEREAS, it has become necessary in the usual daily operation of the Department of Public Utilities, Division of Water, to authorize the Director of Public Utilities to modify and increase the professional engineering services agreement with Patrick Engineering Inc., for the O'Shaughnessy Hydro Turbine Facilities Improvements Project, 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 professional engineering services agreement with Patrick Engineering Inc. (FID# 36-3008281), for the O'Shaughnessy Hydro Turbine Facilities Improvements Project, in an amount up to \$1,798,100.00.

SECTION 2. That this contract modification is in compliance with Chapter 329 of the Columbus City Code.

SECTION 3. That the transfer of \$1,398,100.00 or so much thereof as may be needed, is hereby authorized between projects within Fund 6006 - Water G.O. Bond Fund, per the account codes in the attachment to this ordinance. (There is currently \$400,000 in Fund 6006, P690444.)

SECTION 4. That the 2017 Capital Improvements Budget is hereby amended within Fund 6006 - Water G.O. Bond Fund, per the account codes in the attachment to this ordinance.

SECTION 5. That the expenditure of \$1,798,100.00 or so much thereof as may be needed, is hereby authorized in Fund 6006 - Water G.O. Bonds Fund, in Object Class 06, Capital Outlay, per the accounting codes in the attachment to this ordinance.

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

SECTION 9. 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 10. That this Ordinance shall take effect and be in force from and after the earliest period allowed by law.