

**O'Shaughnessy Hydro Turbine Facility Improvements,  
CIP No. 690444, CT No. 972, TSS #170.3**

**Information to be included in all Legislation Renewing a Contract:**

- 1. The names, contract compliance no. & expiration date, location by City/State and status of all companies (NPO, MAJ, MBE, FBE, HL1, AS1, or MBR) submitting a competitive bid or submitting an RFP or RFSQ.**

| <u>Name</u>              | <u>C.C. No./Exp. Date</u> | <u>DAX No.</u> | <u>City/State</u> | <u>Status</u> |
|--------------------------|---------------------------|----------------|-------------------|---------------|
| Patrick Engineering Inc. | 36-3008281 – 8/11/22      | 7237           | Columbus/Ohio     | MAJ           |

- 2. What type of bidding process was used (ITB, RFP, RFSQ, Competitive Bid).**  
Requests for Proposals (RFP's) were opened December 20, 2013.
- 3. List the ranking and order of all bidders.**
  - Patrick Engineering Inc. (Only bidder)
- 4. Complete address, contact name, phone number, e-mail address, and original contract number for the successful bidder only.**  
Patrick Engineering Inc.  
4970 Varsity Drive, Lisle, Illinois 60532  
Howard E. Firestone II, P.E., C.E.M., Vice President, P. (630) 795-7404, C. (630) 918-6363,  
[HFirestone@patrickco.com](mailto:HFirestone@patrickco.com)  
Original CT No.: EL016667  
Modification No. 1: PO079426

- 5. A description of work performed to date as part of the contract and a full description of work to be performed during any future phasing of the contract. The planning area should also be listed as well as any street or neighborhood names.**

The O'Shaughnessy Hydro Turbine Facility is more than thirty years old and its major components are in need of repair, including the turbines, generators, controls, and electrical gear. Currently, only one of the two turbines is operational. This contract provides 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 (Phase 1- Study), and Phase 2 work (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.

This Contract Renewal (No. 2) requests funding for the first portion of Phase 3 - Engineering Services During Construction).

A future renewal request will be submitted to complete Phase 3 - Engineering Services During Construction.

Planning Area: 99 – Citywide

6. **An updated contract timeline to contract completion.**

Phase 3 - Engineering Services During Construction will begin 1st quarter 2021 and end approximately 3rd quarter 2023. This matches the construction schedule of 940 days.

7. **A narrative discussing the economic impact or economic advantages of the project; community outreach or input in the development of the project; and any environmental factors or advantages of the project.**

The refurbished power plant will produce electrical power supplied to everyone on the regional grid with zero carbon emissions.

8. **A description of any and all modifications / renewals to date including the amounts of each modification and the Contract Number associated with any modification to date. (List each modification separately.)**

Modification No. 1 – PO079426; Ordinance No. 1859-2017; \$1,798,100.00.

Phase 2 - included 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.

9. **A full description of the work to be performed as part of the proposed contract renewal. (Indicating the work to be a logical extension of the contract is not sufficient explanation.)**

This Contract Renewal (No. 2) for Phase 3 work will provide funding for Engineering Services During Construction which includes Technical Project Representation (TPR) duties, construction phase engineering, start-up and commissioning assistance, training assistance, Standard Operating Procedures (SOP), and review of record documentation. The work also includes services to create a full bid package to procure turn-key contract maintenance services for maintaining the powerhouse after construction is complete, with engineering support during the bidding period for that maintenance contract.

10. **An explanation of why the work to be performed as part of the contract renewal cannot be bid out. (Indicating the work to be a logical extension of the contract is not sufficient explanation.)**

The current consultant is familiar with the project and has already completed the preliminary and detailed design of the project. 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.

Additionally, a renewal to the agreement for Engineering Services During Construction was anticipated and explained in the original legislation (Ord. No. 2690-2014) as well as Modification No.1 (Ord. No. 1859-2017).

11. **A cost summary to include the original contract amount, the cost of each modification / renewal to date (list each modification / renewal separately), the cost of the modification being requested in the legislation, the estimated cost of any future known modifications and a total estimate of the contract cost.**

|   |                       |
|---|-----------------------|
| Original Contract (EL016667)                            | \$ 250,000.00         |
| Mod. 1 - Preliminary Design (PO079426)                  | \$1,798,103.39        |
| Ren. 2 - Services During Construction (current request) | \$1,000,000.00        |
| Ren. 3 - Services During Construction (future request)  | <u>\$1,687,186.00</u> |
| Total   | \$4,735,289.39        |

Services During Construction was originally anticipated to be legislated in one renewal, but the cost of the services ended up being greater than originally planned. Therefore, the funding for the SDC is being broken into two renewals (current and future) to keep the current renewal amount consistent with the amount included in the bond sale.

12. **An explanation of how the cost of the renewal was determined.**

The engineering firm prepared estimated hours and costs to perform the Services During Construction tasks. The estimates were reviewed by City staff.