



BOARD OF COUNTY COMMISSIONERS

WARREN COUNTY, OHIO

406 Justice Drive, Lebanon, Ohio 45036

www.co.warren.oh.us

commissioners@co.warren.oh.us

Telephone (513) 695-1250

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TOM GROSSMANN

SHANNON JONES

DAVID G. YOUNG

APPROVE ENGINEERING AGREEMENT WITH FISHBECK, THOMPSON, CARR & HUBER, INC. FOR THE DESIGN OF IMPROVEMENTS TO THE SIMPSON CREEK AND BEAR RUN LIFT STATIONS

WHEREAS, this Board of County Commissioners (the "Board") of the County of Warren, Ohio (the "County") recognizing the need to perform improvements to the Simpson Creek and Bear Run Lift Stations, directed the Warren County Water and Sewer Department to procure the services of a qualified engineering firm to assist with the aforesated improvements; and

WHEREAS, Fishbeck, Thompson, Carr & Huber, Inc. was selected for this project in accordance with applicable state procurement regulations (Ohio Revised Code, §§ 153.66 through 153.69); and

NOW THEREFORE BE IT RESOLVED, to enter into an Agreement with Fishbeck, Thompson, Carr & Huber, Inc., for engineering services for the above referenced project, subject to the following conditions:

1. The scope of services shall be as stipulated in the "Engineering Agreement" attached hereto and made part thereof.
2. Compensation shall be in accordance with the provisions of the "Engineering Agreement" and the attachment thereto.

Mrs. Jones moved for adoption of the foregoing resolution being seconded by Mr. Young. Upon call of the roll, the following vote resulted:

Mr. Grossmann – yea

Mr. Young – yea

Mrs. Jones – yea

Resolution adopted this 16th day of May 2017.

BOARD OF COUNTY COMMISSIONERS

Tina Osborne, Clerk

cc: c/a – Fishbeck, Thompson, Carr & Huber, Inc.
Water/Sewer (file)
Project file



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TOM GROSSMANN

SHANNON JONES

DAVID G. YOUNG

SELECTION OF AN ENGINEERING FIRM FOR THE SIMPSON CREEK AND BEAR RUN LIFT STATION UPGRADES PROJECT

WHEREAS, this Board of County Commissioners (the "Board") of the County of Warren, Ohio (the "County") recognizing the need to construct improvements to the Simpson Creek and Bear Run Lift Stations, directed the Warren County Water and Sewer Department on January 31, 2017, through Resolution 17-0159, to issue a Request for Qualifications for aforesated improvements; and

WHEREAS, Section 153.65-71 of the Ohio Revised Code identifies the requirements and procedures for procuring the services of a consulting engineering firm for the development of detailed plans, specifications, and bid documents for the aforesated project; and

WHEREAS, five qualification submittals from engineering consulting companies were received, reviewed and evaluated by the Warren County Water and Sewer Department with the results of the review provided to the Board during the April 11, 2017 public work session; and

WHEREAS, during that public work session this Board directed the Water and Sewer Department to initiate negotiations with the top ranked firm; and

NOW THEREFORE BE IT RESOLVED, to direct the Water and Sewer Department to initiate negotiations with Fishbeck, Thompson, Carr & Huber, Inc (FTC&H) for the respective engineering services.

Mrs. Jones moved for adoption of the foregoing resolution being seconded by Mr. Young. Upon call of the roll, the following vote resulted:

Mr. Grossmann – yea

Mr. Young – yea

Mrs. Jones – yea

Resolution adopted this 11th day of April 2017.

BOARD OF COUNTY COMMISSIONERS

Tina Osborne, Clerk

cc: Water/Sewer (file)
Project file

**WARREN COUNTY
WATER & SEWER DEPARTMENT**

CHRIS G. BRAUSCH, P.E.
COUNTY SANITARY ENGINEER

PUBLIC ANNOUNCEMENT

**Request for Qualifications - Consultant Engineering Services
SIMPSON CREEK AND BEAR RUN LIFT STATION UPGRADES PROJECT**

February 8, 2017

The Warren County Board of Commissioners will procure the services of a consulting engineering firm to prepare and develop detailed construction drawings, specifications, and surveying services for sanitary sewer improvements to the Simpson Creek Lift Station and Bear Run Lift Stations.

Consulting engineering firms are invited to submit their qualifications for consideration during our review and selection process. The engineering contract value is budgeted at \$110,000. The anticipated construction cost of the improvements is \$1,200,000. Project background, description of required services, and project schedule are as follows.

BACKGROUND

Simpson Creek Lift Station

The Simpson Creek Lift Station (SCLS) is located at 8873 Duke Boulevard, Deerfield Township and was constructed in 1992. The lift station has been in continuous operation over the past 25 years with only minor upgrades including the addition of odor control chemical (calcium nitrate) storage and feed pumps and instrumentation control upgrades.

The SCLS Wet Well has space for four submersible pumps, but only three pumps are installed at this time. The Electrical Room houses four variable frequency drives (VFDs) for each of the pumps. Each existing pump has an estimated capacity of 2,000 gallons per minute (gpm). With the largest of the three pumps out of service, the SCLS has a current rated capacity of approximately 4,000 gpm or approximately 5.76 million gallons per day (MGD).

The SCLS pumps wastewater through the existing 16-inch ductile iron force main from the lift station site to the discharge manhole located near Landen Farm Lake on Simpson Trace Road. The force main is approximately 8,300-feet in length and follows the right-of-way of Duke Drive, Irwin-Simpson Road, Columbia Road and Simpson Trace Road. The force main bisects Interstate 71 at Irwin-Simpson Road and crosses Simpsons Creek in three locations. There are approximately four air/vacuum valves installed at the high points of the force main with the highest point of the force main being located along Irwin-Simpson Road approximately 700-feet west of I-71.

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513-695-1377 ■ 513-925-1377 ■ 937-425-1377 ■ FAX 513-695-2995
E-MAIL waterdept@co.warren.oh.us

Bear Run Lift Station

The Bear Run Lift Station (BRLS) is located at 1751 Fosters-Maineville Road, Hamilton Township and was constructed in 1990. The lift station received a Controls Upgrade in 2011, but is in need of general repairs including concrete repairs, ventilation upgrades, and roof replacement. The integrity of the lift station and pump material handling system is structurally sound, and the County intends to continue utilizing the facility with minor modifications.

REQUIRED SERVICES

The scope of work shall be limited to the preparation of design drawings and specifications with no bidding or construction services. The following services to be provided may include, but are not be limited to, the below items.

Simpson Creek Lift Station

Wet Well Area

- Complete hydraulic calculations including the development of a system curve and specification of Flygt and Ebara replacement pumps that are appropriate for this station. Pump picks shall target 2,000 gpm for single pump operation and 3,500 gpm for two pumps in operation.
- Install four stainless steel terminal boxes mounted to the exterior wall of the station. The electrical connections to the pumps shall be housed in these terminal boxes, allowing for easy removal and disconnection of the pumps.
- Install a 500 gallon polyethylene bioxide storage tank on a new concrete pad adjacent to the deck of the wet well. Extend electrical conduit to the concrete pad to provide a 110 volt electrical circuit for powering of the bioxide feed equipment. A below grade chemical feed line shall be extended to the incoming manhole located near the concrete pad.
- Remove existing and install new pumps, guide rails, and discharge elbows.

Valve Room

- Provide ventilation/HVAC to reduce the potential for mold growth and compliance with NFPA 820.
- Replace exterior door and install seals on interior door.
- Replace the double check backflow prevention valve on the potable water service.
- Paint all interior piping
- Repair drywall and paint interior walls and ceiling
- Powerwash and clean all concrete.
- Remove and demolish inoperable surge protection valves

Electrical Room

- Eliminate the computer room by demolishing the walls.
- Replace variable frequency drives and return existing drives to County for reuse.
- Evaluate the existing electrical service and design necessary changes to bring the facility to compliance with existing codes including NFPA 820.
- Install ventilation/HVAC for cooling of the drives.
- Perform an Arcflash analysis and specify the appropriate personal protective equipment to access electrical components.

General Improvements

- Replace deteriorated doors.
- Install new asphalt shingle roofing.
- Paint all soffits and exterior wood trim.
- Paint concrete bollards
- Perform asphalt drive repairs including full depth replacement for damaged areas and provide new topcoat on the entire drive.

Maintenance of Pump Station Operation

- Work with the County to develop a sequence of construction that will allow the continued operation of the station throughout all construction activities.

Bear Run Lift Station (BRLS)

Wet Well Area

- Replace concrete stairs from the Valve Chamber to the Wet Well.
- Remove aluminum railing and embedded railing supports and repair damaged concrete.
- Install removable aluminum railing and surface mounted aluminum base plates.
- Paint exposed ductile iron piping.
- Paint Gantry Crane and appurtenances.
- Repair and paint steel Gantry Crane Enclosure doors.
- Install exterior lighting.

Valve Chamber

- Remove aluminum railing and embedded railing supports and repair damaged concrete.
- Install removable aluminum railing and surface mounted aluminum base plates.
- Paint all interior ductile iron piping, fittings and valves.
- Power-wash and clean all exposed concrete surfaces.
- Replace lighting.

Electrical Room

- Install ventilation/HVAC for cooling of the motor drives.
- Provide a specification for the Electrical Contractor to perform an Arcflash analysis and specify the appropriate personal protective equipment to access electrical components.

General Improvements

- Replace deteriorated doors.
- Install new asphalt shingle roofing.
- Remove wood soffits and exterior wood trim and replace with vinyl.
- Paint exterior concrete block walls.
- Paint concrete bollards.
- Perform asphalt drive repairs including new topcoat on the entire drive.

PROJECT SCHEDULE

County Issues Request for Qualifications	February 8, 2017
Qualifications Due to County	March 10, 2017
Select & Award Engineering Consultant	April, 2017
Negotiate Consultant Contract	May 2017
Project Completion	October 2017

Please demonstrate your qualifications to perform the work and your experience with similar projects. Provide a list of five (5) similar projects in last ten (10) years. Submittals shall be limited to five (5) pages in length, excluding appendices, resumes, and company brochures.

As required by Ohio Revised Code 153.65-71, responding firms will be evaluated and ranked in order of their qualifications for the project. Following this evaluation, the Warren County Board of Commissioners will enter into contract negotiations with the most highly qualified firm.

To be considered, three sets of Qualifications should be submitted by **5:00 p.m., Friday, March 10, 2017** to:

Chris Brausch, P.E., BCEE
Warren County Water and Sewer Department
P.O. Box 530
406 Justice Drive
Lebanon, Ohio 45036
513-695-1377

SUBMISSION

The firm's submission shall be in sufficient detail to provide Warren County with the following information:

1. Firm and Individual Qualifications.
 - A. Firms Background – Provide description of firm and years of operation.
 - B. Project Team – Provide a description of the project team organization including an organization chart.
 - C. Project Team Qualifications - Provide qualifications and experience of key project team personnel.
 - D. Firm Qualifications - provide descriptions of a minimum of five similar projects completed within the last ten years. Indicate status of the projects (completed or ongoing), client references, and involvement of proposed project team staff.
 - E. Warren County Experience – provide description of past and current projects performed for the County.
2. Geographic Information.
 - A. Number and location of offices in or near Ohio.
 - B. Location of office where this project will be performed.
3. Capacity to perform the work.
 - A. Size and availability of staff.
 - B. Projects in progress.
4. Project Approach
 - A. Familiarity and Understanding of Project
 - B. Project Approach
 - C. Proposed Scope
 - D. Proposed Schedule
5. Insurance
 - A. Documentation of firm's Professional Liability Insurance Policy.



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**REQUEST FOR QUALIFICATIONS FOR THE SIMPSON CREEK AND BEAR RUN LIFT
STATION IMPROVEMENTS**

Sealed professional engineering qualifications for the Warren County Simpson Creek and Bear Run Lift Station Project will be received by the Warren County Water and Sewer Department, Warren County, Ohio, 406 Justice Drive, Lebanon, Ohio, 45036, until 5:00 p.m., Friday, March 10, 2017.

The County will procure the services of a professional engineering firm to prepare and develop detailed construction drawings, specifications, and surveying services for improvements to two existing sanitary sewer pump stations. The engineering contract value is estimated at \$110,000.

Interest providers may obtain details of the project and instructions for submitting their qualifications by accessing the full public announcement posted on the Warren County Government Web Site at the following address

<http://www.co.warren.oh.us/commissioners/Resources/Bids/Default.aspx>. Questions regarding the project or submittal should be directed to Chris Brausch, P.E., Water and Sewer Department Director by email at chris.brausch@co.warren.oh.us

Please contact the Warren County Office of Management and Budget Financial Division at 513-695-1947 if you have trouble with this procedure or if you need additional information on accessing bid project information on our website.

By order of the Board of County Commissioners, Warren County, Ohio.

Tina Osborne, Clerk