KELLER ENGINEERS
Civil • Structural • Survey

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December 12, 2017

West Virginia Division of Natural Resources
Property and Procurement Office
324 4th Avenue
South Charleston, WV 25303

RE: Expression of Interest – Bowden State Fish Hatchery Facility Wide Repair Project

Ladies/Gentlemen:

I understand the Division of Natural Resources (DNR) Wildlife Resources Section is seeking an engineering firm to provide a plan to rehabilitate and/or make repairs to the Bowden State Fish Hatchery in Elkins, WV. Keller Engineers is pleased to submit our qualifications for providing the services necessary to complete your project.

Our professionals understand the importance facilities such as the Fish Hatchery play in supporting the quality of place for residents and visitors, and attracting investment to the area. With that in mind, we are committed to delivering the highest quality services with clear recommendations and implementation strategies. Due to our multi-disciplined experience and expertise, we have a 26 year proven track record for assisting communities to grow by managing infrastructure while controlling costs.

In order to provide DNR with the best possible results, we have put together a team of professionals that consistently deliver high-quality services. Assignments will be completed under the guidance of Daniel J. Carbaugh, PE, Vice President/Director of Wastewater. Keller Engineers' approach of 'project – centered' engineering rather than 'profit – centered' provides your projects with an experienced team dedicated to giving you a successful, cost-efficient design.

Our professionals possess the licenses, registrations and certifications necessary to fully understand and comply with state and federal regulations and reporting requirements, and provide DNR with engineering services at a high level of professionalism and accuracy. They are adept at assessing each project's economic and social impact, defining present and future concerns prior to final design, and are able to propose alternate designs and materials when necessary.

We have read your *Expression of Interest* and have a thorough understanding of the background and purpose for the project. We are confident in our team's ability to provide you with the professional services needed to successfully accomplish your goals, and meet or exceed contract conditions and expectations.

State of West Virginia
Expression of Interest
Architect/Engr

Procurement Folder : 392857

Document Description : A/E Services for Bowden State Fish Hatchery Rehabilitation

Procurement Type : Agency Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version	Phase
2017-11-10	2017-12-13 13:30:00	AEOI 0310 DNR1800000006	1	Final

SUBMIT BIDS TO:	VENDOR
BID RESPONSE DIVISION OF NATURAL RESOURCES PROPERTY & PROCUREMENT OFFICE 324 4TH AVE SOUTH CHARLESTON WV 25303-1228 US	**Vendor Name, Address and Telephone** Keller Engineers, Inc. 420 Allegheny Street Hollidaysburg, PA 16648 814-696-7430

FOR INFORMATION CONTACT THE BUYER
Angela W Negley
(304) 558-3397
angela.w.negley@wv.gov

Signature X Joseph G Keller **FEIN #** 25-1779137 **DATE** 12-10-17

All offers subject to all terms and conditions contained in this solicitation

Project Understanding

A key component of all successful projects is communication; it directly correlates to the timeliness and effectiveness of the team. We believe sensible decision making requires accurate information at the right time; therefore, we strive to keep our clients involved in every step of the project, from scoping through construction completion. It is your project - we are helping you get where you want to be.

If selected, Keller Engineers' Project Manager will convene a meeting with project stakeholders to discuss the condition of the facilities, and concerns with the operation and maintenance. We will review available drawings, permits and water quality tests. We will also inspect and analyze the integrity of the structural facilities, mechanical equipment, and system layout. Utilizing the knowledge gained, we will develop a plan that addresses the concerns of the hatchery personnel and items we believe need to be addressed in order to improve operational efficiency, structural integrity, and overall upgrades to the facility.

Once cost estimates are developed, we will meet with the authorized personnel to explain our findings and address the next steps. All recommendations will be presented with the understanding that the existing facilities will remain operational during the upgrade/improvements.

Modifications and changes requested by the owner will be made as required. The plan will be consistent with DNR's needs, objectives, and regulations. We will work with the owner to develop a project that also meets their budget goals.

Although to date we have not completed any fish hatchery design work, our employees have extensive knowledge of hatchery operations, through the enjoyment of one of their favorite pastimes, because operation of hatchery facilities are very similar to those of municipal communities. They need quality water to live and grow, they need room to expand as their population increases, and they have a waste stream that needs treated before it can be discharged to the receiving waters.

We have the capability to provide all civil engineering services required to understand this project, including but not limited to: survey, water/wastewater design, structural design, site work, permitting, bidding, construction coordination and resident project representative services. Our engineers and designers have years of experience designing water flow and treatment facilities both hydraulically and structurally, and our construction project managers and inspectors have years of experience in oversight and quality control of water and wastewater projects.

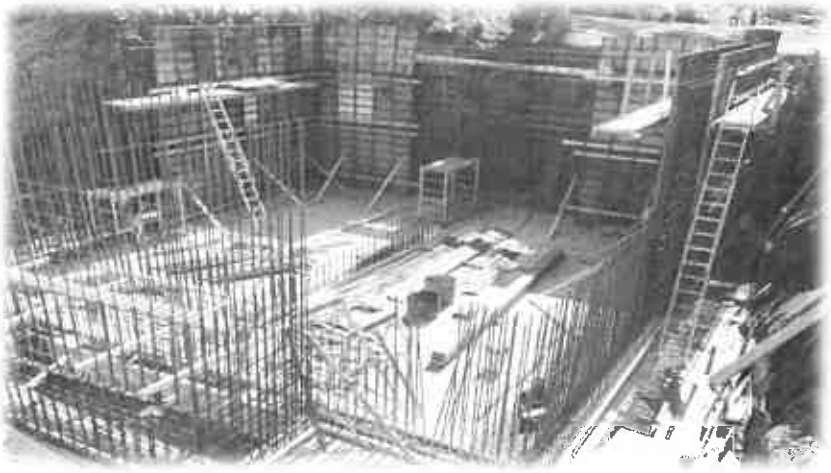
We pride ourselves on completing our projects within the client's time frame and budget. Our in-house scheduling approach, coupled with the proficiency and reliability of our team, allows us to undertake and complete new work promptly and efficiently. A few reasons why we are able to produce work within the required time frame and budget are the organizational structure of our firm, and the internal project checklists that are ongoing throughout the project.

Keller Engineers is especially proud of the referral and the repeat work we receive from satisfied clients. We feel this is due to a combination of design quality, prompt service, and the personalities of our team members. Our philosophy –'do things right'-- is practiced not only by our owner, Joe Keller, but by all staff members.

We encourage you to contact our references to learn of their experiences working with Keller Engineers.

Roaring Spring Wastewater Treatment System Improvements

Owner: Roaring Spring Municipal Authority | Blair County, PA



Project Statistics

Location: Taylor Township
Blair County

Project Manager: Daniel J. Carbaugh, PE

Contact: Roaring Spring Municipal Authority
Lisa Gates
814-224-4814

This project consisted of upgrades to a wastewater treatment facility and relocating the effluent discharge.

Keller Engineers was responsible for two contracts. The first contract consisted of the design, layout, assistance for acquisition of easements, and construction inspection of approximately 9,000 LF of 12" PVC pressure sewer and 2,500 LF of 18" and 24" PVC gravity sewer. Additional related appurtenances required the relocation of the discharge location of the wastewater treatment plant effluent.

The second contract consisted of the design layout and construction inspection of multiple improvements to the existing wastewater treatment plant including a new effluent pumping station, influent structure with new surge tanks, new ultraviolet disinfection unit, new control system, and miscellaneous treatment improvements.

Dublin Township Wastewater Collection and Treatment System

Owner: Dublin Township | Fulton County, PA

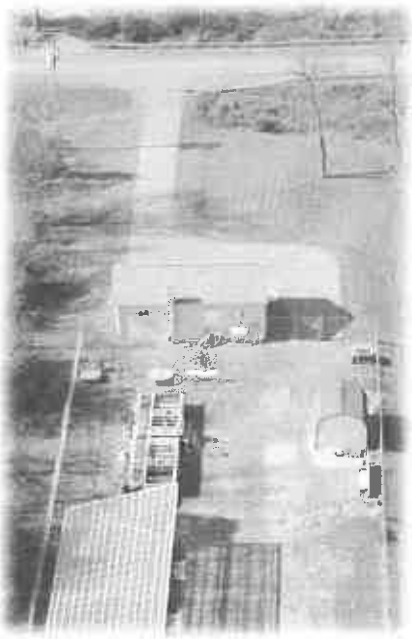
Keller Engineers staff designed separate wastewater collection and treatment facilities (sludge blanket uplift) to serve the Fort Littleton area of Dublin Township. The Fort Littleton system is 45,000 GPD and serves 130 users.

Project Statistics

Location: Dublin Township
Fulton County

Project Manager: Daniel J. Carbaugh, PE

Contact: Jeff Croft
717-987-3774



South Woodbury Township Collection and Treatment System

Owner: South Woodbury Township | Bedford County, PA

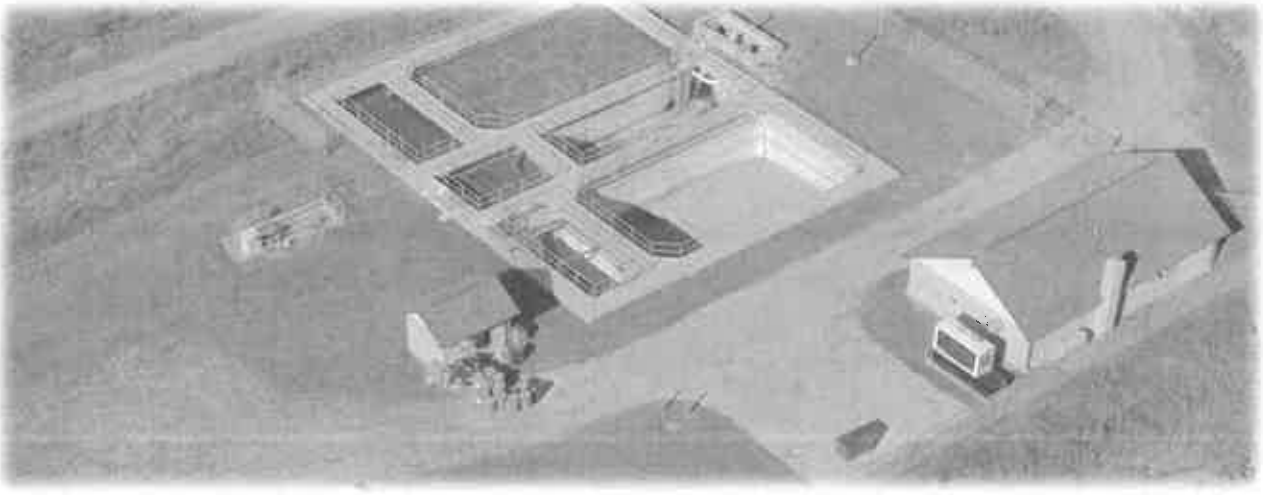
Project involved the design of a regional wastewater treatment facility to serve 378 residents of South Woodbury Township and 278 residents of the Southern Cove Municipal Authority. Design consisted of a 250,000 GPD regional wastewater treatment facility and approximately 51,000' of wastewater collection mains.

Project Statistics

Location: South Woodbury Township
Bedford County

Project Manager: Daniel J. Carbaugh, PE

Contact: Genevieve Zebroski
814-766-2900



Staffing

Staffing will be organized in a manner that allows timely, efficient, quality work to be accomplished through a coordinated effort.

Keller Engineers has a reputation for being able to identify problem areas of a project, and take a multi-disciplined approach to determine innovative methods of time-efficient, cost-saving solutions. The ability to take this type of approach comes from experience, education, and training of key senior staff members.

We pride ourselves on our step-by-step approach, eliminating all potential difficulties before the design is complete and the project is under construction. It seems that all too often engineers rush through plans and designs, neglecting to cover all bases, and address the ensuing problems with construction change orders at the client's expense. We do not participate in this kind of activity. Only through checking all concerns can you be sure of a successful project, this approach is the result of our team's experience in this field.

The staff members at Keller Engineers work together as a team in various capacities under the guidance of Mr. Joseph G. Keller. Our effectiveness is derived through our shared sense of responsibility toward the project at hand and each other.

Key senior staff members to be assigned to this project are:

Joseph G. Keller, PE, President, oversees all aspects of the projects from start to finish.

Daniel J. Carbaugh, PE, Vice President/Director of Water/Wastewater, as Project Manager, Dan is responsible for the design and the supervision of the designers, performs field views and evaluations, prepares cost estimates and drawings and attends meetings and conferences.

Andrew H. Ebersole, PLS, Vice President/Director of Survey, performs/oversees all courthouse research, coordinates work with local utility companies and schedules and supervises all survey work. In addition, Mr. Ebersole will prepare the project base maps.

Supporting the above key senior staff members are designers, technicians, draftsmen and administrative staff.

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DANIEL J. CARBAUGH, PE

Vice President
Director of Water/Wastewater

Mr. Carbaugh has led Keller Engineers' Water/Wastewater projects and team members for the past 25 years as the Division Director, Dan by supervising, managing, and implementing all water and wastewater projects from design through construction. He prepares funding applications and municipal annual reports, budgets, and Chapter 94 updates.

He has been Involved in engineering projects ranging from complex municipal wastewater treatment facilities to simple water line extensions. His experience includes water storage tanks, water lines, wastewater pump stations, and water treatment plants. He also has extensive experience as a liaison with state and federal permitting agencies on water quality management permits, water allocation permits, NPDES permits, etc.

Additionally, Dan supervises the design and construction management of anaerobic digesters. His team has designed and installed digesters on dairy farms as small as 450 milking heads and as large as 2,200 milking heads.

Falls Creek Borough Municipal Authority, Red Mill Water and Wastewater System – Jefferson County, PA: The design of a 22,000 LF water system expansion, 19,000 LF wastewater extension, water storage facility, booster pumping facilities, water treatment plant modification, a computerized treatment process control system, and related appurtenances were all the responsibilities of Keller Engineers.

East Conemaugh Borough Wastewater Collection System – Cambria County, PA: The Keller Engineers' Water/Wastewater team designed a new 30,000 LF wastewater collection system. The existing combined storm/sewer system remains a stormwater system.

Glendale Valley Municipal Authority, Wastewater Treatment Facility – Cambria County, PA: The design of a 450,000 GPD wastewater treatment facility, pumping facilities, approximately 160,000 LF of wastewater mains, and associated appurtenances were tasks completed in this project.

Green Township Municipal Authority, Water Improvements – Indiana County, PA: This project included replacing two surface water sources units, two well development projects, disinfecting facilities, water line extensions, a storage tank, booster station, pressure control facilities, and dam removals. Our team designed 75,000' of wastewater collection system lines and interceptor sewers.

Roaring Spring, Wastewater Treatment System Improvements – Blair County, PA: The first contract consisted of the design, layout, assistance in acquisition of easements, and construction inspection of approximately 9,000 LF of 12" PVC pressure sewer and 2,500 LF of 18" and 24" PVC gravity sewer. The second contract consisted of the design layout and construction inspection of multiple improvements to the existing wastewater treatment plant including an effluent pumping station, influent structure with surge tanks, ultraviolet disinfection unit, control system, and miscellaneous treatment improvements.

Education

1983 – B.S. Civil Engineering Technology, University of Pittsburgh

Years' Experience

Total: 34

Keller Engineers: 25

Registrations/Certifications

Pennsylvania Registered Professional Engineer, PE045408-E

Maryland Registered Professional Engineer, 0049537

Professional Memberships

Pennsylvania Rural Water Association

Water Environment Federation

Pennsylvania Municipal Authority Association

Pennsylvania Utility Contractors Association

Expertise

- Wastewater Collection and Treatment
- Water Distribution and Treatment
- Funding Coordination
- Construction Management
- System Troubleshooting
- DEP Consent Order Compliance

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DAVID M. CUNNINGHAM, JR, PE

Associate
Professional Engineer

Mr. Cunningham serves as Project Manager or Project Engineer for the design of municipal water distribution systems, wastewater collection/treatment systems, small flow treatment facilities, post-construction stormwater management structures, and storm sewers. His responsibilities also include permitting and funding.

He has extensive experience in the preparation of items related to the design of water, wastewater, and stormwater systems including cost estimates, construction drawings, and bid and contract documents. Additionally, he prepares Act 537 Plans, environmental assessments, funding applications, Chapter 94 Reports, annual reports and budgets, erosion and sediment control plans, post construction stormwater management plans, and sewage facility planning modules. Dave has also conducted river analyses and dam breach analyses, prepared emergency action plans, and designed anaerobic digesters for dairy farms.

Roaring Spring, Wastewater Treatment System Improvements – Blair County, PA: The first contract consisted of the design, layout, assistance with acquisition of easements, and construction inspection of approximately 9,000 LF of 12" PVC pressure sewer and 2,500 LF of 18" and 24" PVC gravity sewer. The second contract consisted of the design layout and construction inspection of multiple improvements to the existing wastewater treatment plant including an effluent pumping station, influent structure with surge tanks, ultraviolet disinfection unit, control system, and miscellaneous treatment improvements.

Patton Borough Municipal Authority Water System – Cambria County, PA: This six-contract project was undertaken to replace an existing surface water source with public supply wells and to interconnect with the neighboring Elder Township Authority. Design and construction services were provided for two 220 gallon/minute wells, a water treatment facility, a booster pumping station, a 125,000-gallon water storage tank, radio system controls, and 22,000 LF of water transmission main.

Glendale Valley Municipal Authority, Wastewater Treatment Facility – Cambria County, PA: The design of a 450,000 GPD wastewater treatment facility, pumping facilities, approximately 160,000 LF of wastewater mains, and associated appurtenances were tasks completed in this project.

Loretto Borough Water/Wastewater Project – Cambria County: The project was phased in four projects. Phase I was the replacement of the Borough water and wastewater lines. Phase II was a streetscape project. Phase III included planting 40 street trees. Lastly, Phase IV consisted of installing 41 lamp posts.

West Providence Township Municipal Authority Wastewater Rehabilitation – Bedford County, PA: This triple contract project's main scope of the project was to eliminate/reduce I&I from the WPTMA's collection system. The first contract consisted of approximately 8,000 linear feet of 8" gravity sewer main replacement, manhole replacement, lateral re-connections, related appurtenances, and restoration. The second contract consisted of approximately 25,000 linear feet of 8" gravity sewer main replacement, manhole replacement, lateral re-connections, related appurtenances, and restoration. Lastly, the third contract consisted of pump station replacements.

Education

2002 – B.S. Civil Engineering, Pennsylvania State University

Years' Experience

Total: 20

Keller Engineers: 20

Registrations/Certifications

Pennsylvania Registered Professional Engineer, PE074222-E

Maryland Registered Professional Engineer, 0048953

New Jersey Registered Professional Engineer, 24GE05397200

Professional Memberships

American Society of Civil Engineers

Chi Epsilon (National Engineering Honor Society)

Leadership Blair County Class of 2010

Expertise

- Wastewater Collection and Treatment
- Water Distribution and Treatment
- Funding Coordination
- DEP Consent Order Compliance
- Project Management
- Municipal Budgeting and Rate Analysis
- Annual DEP Reporting
- Environmental Permitting
- Municipal Separate Storm Sewer Systems (MS4)

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ANDREW H. EBERSOLE, PLS
Vice President
Director of Survey

Mr. Ebersole is responsible for the supervision and management of all surveying and related work, including three full-time survey crews. His duties include project and staff scheduling, project budgets, courthouse research, utility field location, and coordination and supervision of the Survey Division staff. He also performs Quality Assurance/Quality Control (QA/QC) for all survey projects.

Having 37 years' survey experience, Mr. Ebersole has conducted and/or managed engineering and aerial mapping control surveys for wastewater collection and treatment systems, public water systems, stormwater drainage facilities, and land development projects. He also prepares subdivision and lot plans for land development projects and provides technical assistance in resolving boundary disputes.

He also has extensive experience with field survey and base map preparation in accordance with the Pennsylvania Department of Transportation (PennDOT) projects, including bridge replacements, roadway capacity improvements, roadway relocations, and corridor studies. He is also responsible for preparing preliminary and final right-of-way plans for municipal, county, and PennDOT owned projects.

He is experienced in using a wide variety of survey instruments including, but not limited to EDM's with data collection, auto-tracking robotic total stations, and survey grade GPS, as well as AutoCAD and SurvCAD.

A sample of Mr. Ebersole's project experience includes:

Water/Wastewater Projects

40,000' Wastewater Line – Hopewell Township, Bedford County

35,000' Wastewater Line – Londonderry Township, Bedford County

50,000' Wastewater Line – Bell Township, Jefferson County

64,000' Wastewater Line – Young Township, Jefferson County

138,000' Wastewater Line and 38,000' Water Line, Glendale Valley Municipal Authority – White and Reade Township, Cambria County

Land Development Projects

321-Acre, Emerald Estates Development – Cambria Township, Cambria County

715-Acre, Moose Run Development – Boggs Township, Centre County

450-Acre, Lake Raystown Resort – Lincoln and Hopewell Townships, Huntingdon County

151-Acre, Martin J. Marasco Business Park (114 Acres) and Sheetz Distribution Center (37 Acres) – Greenfield Township, Centre County

170-Acre, National Park Service, Johnstown Flood Memorial Site - Cambria County

Education

1980 – A.S. Surveying Technology, Pennsylvania State University

Years' Experience

Total: 37

Keller Engineers: 25

Registrations/Certifications

Pennsylvania Professional Land Surveyor, SU-039396-E

Professional Memberships

Pennsylvania Society of Land Surveyors

West Virginia Society of Land Surveyors

Expertise

- Quality Assurance/Quality Control
- Engineering and Aerial Mapping Control Surveys
- Base Mapping
- Courthouse Research
- Expert Witness
- Easements and Right-of-Ways
- Construction Stakeout
- Topographic Surveys
- Boundary Surveys