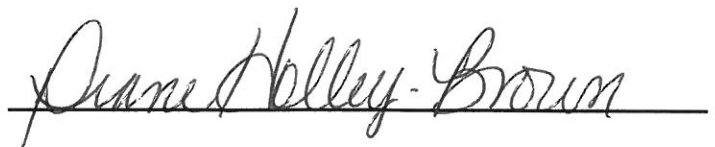


NOTICE

Please note that this bid from Hagley Engineering for DNR16*12 was received at the Purchasing Division office prior to the established bid opening date and time on December 3, 2015 as noted on the coversheet of the electronic bid, but was not loaded properly at the public bid opening. This bid has since been loaded and is now posted.

A handwritten signature in cursive script, reading "Diane Holley-Brown", is written over a solid horizontal line.

Diane Holley-Brown
Assistant Purchasing Director



West Virginia Purchasing Division

2019 Washington Street, East
Charleston, WV 25305
Telephone: 304-558-2306
General Fax: 304-558-6026
Bid Fax: 304-558-3970

The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header

[List View](#)**General Information**[Contact](#)[Default Values](#)[Discount](#)[Document Information](#)

Procurement Folder: 159027

Procurement Type: Central Contract - Fixed Amt

Vendor ID: VS0000007433

Legal Name: David Hagley

Alias/DBA: Hagley Engineering

Total Bid: \$0.00

Response Date: 12/02/2015

Response Time: 17:00

SO Doc Code: CE01

SO Dept: 0310

SO Doc ID: DNR1600000012

Published Date: 10/28/15

Close Date: 12/3/15

Close Time: 13:30

Status: Closed

Solicitation Description: A&E SVCS Boating and Parking Improvements Tygart Lake

Total of Header Attachments: 0

Total of All Attachments: 0



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State of West Virginia
 Solicitation Response**

Proc Folder : 159027

Solicitation Description : A&E SVCS Boating and Parking Improvements Tygart Lake

Proc Type : Central Contract - Fixed Amt

Date issued	Solicitation Closes	Solicitation No	Version
	2015-12-03 13:30:00	SR 0310 ESR12021500000002504	1

VENDOR
VS0000007433 David Hagley Hagley Engineering

FOR INFORMATION CONTACT THE BUYER
 Guy Nisbet
 (304) 558-2596
 guy.l.nisbet@wv.gov

Signature X **FEIN #** **DATE**

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Architectural/Engineering Serives				\$0.00

Comm Code	Manufacturer	Specification	Model #
81101508			

Extended Description : A/E services for boating and parking improvements at Tygart Lake State Park.

**WEST VIRGINIA
DIVISION OF NATURAL
RESOURCES
Consulting Services**

Solicitation No.:
CEOI 0310 DNR160000012

BOAT AND PARKING IMPROVEMENTS
TYGART LAKE

SUBMITTED TO:

Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

**EXPRESSION OF
INTEREST
LETTER OF
QUALIFICATION**

SUBMITTED BY:

HE

**Hagley Engineering
P.O. Box 1236
Barboursville, WV 25504
304-972-7484**

December 3, 2015



Hagley Engineering
PO Box 1236
Barboursville, WV 25504
Phone: 304-972-7484

December 2, 2015

Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, West Virginia 25305-0130

Subject: Expression of Interest and Unpriced Prospectus
Consulting Services
Boating and Parking Improvements Tygart Lake

To Whom it May Concern:

Hagley Engineering and J.B. Turman Engineering, PLLC are pleased to submit this expression of interest and unpriced prospectus for providing consulting services on the subject projects as advertised in your recent notice for engineering and architectural services due December 3, 2015.

Hagley Engineering will provide the Division of Natural Resources with the planning and engineering necessary to meet your project specific needs.

Hagley Engineering will provide project management and coordination with the Division of Natural Resources from our Huntington, West Virginia office. We have extensive engineering experience in the state of West Virginia.

Our team has knowledge of the project areas and we understand the potential need for these projects. We are prepared for these projects. A detailed breakdown of task assignments can be found under "Experience and Competence" in the Prospectus and Key Resumes are provided in Appendix A.

Thank you for allowing our team the opportunity to submit this letter of qualification and unpriced prospectus for your consideration.

Very Truly Yours,
Hagley Engineering

David M. Hagley, Jr., P.E., APM
Owner

PROSPECTUS

Hagley Engineering has the ability to assemble and manage a team that will provide the required engineering services for the engineering, architectural and other related professional services to design and construct the improvements to the boating and parking facilities at Tygart Lake State Park.

Hagley Engineering, founded in 2015, is qualified and experienced in preparing the necessary documents related to the preparation of construction plans for the state of West Virginia.

BACKGROUND & ENGINEER IN CHARGE

The Sole Proprietor, Founder and Engineer in Charge of Hagley Engineering is David M. Hagley, Jr. Mr. Hagley has over 15 years of experience in engineering consulting and Public Works Management. Mr. Hagley began his career working as a Co-Op Engineer at the WV Division of Highways, District 2, for four semesters while completing college. After college, Mr. Hagley was employed by Woolpert, LLP as a Highway Design Engineer; Site-Blauvelt Engineers, and URS Corporation as a Bridge Design Engineer. Mr. Hagley served as the Public Works Director for the City of Huntington from 2010 to 2014. This career path has allowed Mr. Hagley to experience all aspects of a finished project, to include, management, procurement, planning, design, and construction.

MINIMUM QUALIFICATIONS

Experience

Mr. Hagley and Hagley Engineering will provide the overall management structure for this project. Mr. Hagley has a background in structural engineering, hydraulics and is an Accredited Pavement Manager. Mr. Hagley has the ability to assess existing and proposed surfaces to develop cost-effective design techniques for any type of project parking/staging area, proposed or rehabilitation. Hagley Engineering will serve as the Lead Consultant and provide all construction plans and related documents. Mr. Hagley has the ability to manage our team which will meet the following Project Goals & Objectives:

1. Review existing plans and conditions as well as the operation of the park and evaluate while communicating effectively with the owner to determine a plan that can be implemented in a manner that will minimize disruption to concurrent operation of the facility and meet all objectives.
2. As a portion of this process outlined in Objective 1, provide all necessary services to design the facilities described in this EOI in a manner that is consistent with The Division of Natural Resource's needs, objectives, current law, and current code; while following the plan to design and execute the project within the project budget.
3. Provide Construction Contract Administration Services with competent professionals that ensures the project is constructed and functions as designed.

J.B. Turman Engineering, PLLC (JBT) will be utilized as a subconsultant. Brian Morton with JBT will serve as the team's Lead Roadway Design Engineer and will perform all computations related to the project along with other members of their staff.

Equipment and Personnel

Hagley Engineering and JBT have the necessary equipment related to computers, engineering software and CADD to meet all the project requirements. All sub-consultants will have the necessary equipment to perform all the required tasks they will perform. Our team has worked together in the past providing engineering services for projects.

EVALUATION FACTORS

Professional Qualifications

As stated earlier, Mr. Hagley has over 15 years of engineering experience and has delivered multiple projects utilizing WVDOH design policies. Mr. Hagley is a Professional Engineer, WV #16378, and an Accredited Pavement Manager from the International Pavement Management Association & Auburn University. He is assisting JBT with FEMA Slide Repair Projects for the WVDOH in Cabell and Wayne Counties.

Mr. Morton has over 16 years of engineering experience and has delivered multiple projects utilizing WVDOH design policies. Mr. Morton has experience in waterline treatment

distribution systems, sanitary sewer treatment and collection systems, site development and roadway design. Prior to joining JBT, Brian performed construction management, inspection and contract administration for the installation of a nature sensory walking trail which included a water fountain feature and scenic overlooks. Brian has managed and designed multiple waterline distribution and sanitary sewer systems.

Experience and Competence

Please see Appendix A for Key Resumes.

Key tasks and personnel to be utilized on this project:

Task	Staff	
Project Management	DMH	JBT
Roadway Design/Parking Lot Design	DMH	JBT
Drainage Design	DMH	JBT
Surveying/Mapping	Sub-consultant	
Geotechnical Evaluation	Sub-consultant	
Environmental	Sub-consultant	
Structural Engineering	Sub-consultant	
Construction Monitoring	DMH	JBT

Capacity to do Work

Work will be performed out of Hagley Engineering’s main office and only office, which is located in Huntington, West Virginia. The staff of JBT will work out of their office in Barboursville, West Virginia. JBT and Hagley Engineering formed a similar team to prepare the hydraulic design report for the replacement of Wet Branch Bridge located in Kanawha County, West Virginia.

Hagley Engineering is a new company that was founded in 2015 and is currently not working on any projects. JBT currently has projects with the WVDOH. Hagley Engineering and JBT will be able to dedicate 100 percent of its resources to this project.

PROPOSED WORK TO BE SUBCONTRACTED

Structural engineering, geotechnical engineering, environmental engineering, and survey mapping services will be subcontracted.

LOCATION OF OFFICE IN WHICH WORK WILL BE PERFORMED

Hagley Engineering will provide overall project management, engineering design, construction management, and subcontractor coordination from our office in Huntington, West Virginia.

CERTIFICATE OF AUTHORIZATION

Hagley Engineering currently holds a valid Certificate of Authorization (COA) in the state of West Virginia. Please see Appendix B for a copy of the certificate.

Appendix A
Key Resumes
&
Project Experience

David M. Hagley, Jr., P.E., APM
Hagley Engineering
P.O. Box 1236
Barboursville, WV 25504
304-972-7484

Education

B.S. Civil Engineering, West Virginia Institute of Technology, 2000
Accredited Pavement Manager (APM), IPMA Academy/Auburn University

Registration

Registered Professional Engineer, WV [REDACTED]
Accredited Pavement Manager (APM), IPMA Academy/Auburn University
Accredited Winter Maintenance Supervisor, American Public Works Association

Additional Training

National Highway Institute:
- HEC-RAS
- Culvert Design
- Urban Drainage Design
- Safety Inspection of In-Service Bridges.

Cabell County Vocational Technical Center
- Certificate in Drafting

Professional Experience

2015-Present, Hagley Engineering, Huntington, WV, COA #C05261-00,
Owner

2015-Present, JB Turman Engineering, PLLC, Barboursville, WV
Design Engineer

2010-2014, City of Huntington, Huntington, WV
Public Works Director

2005-2010,URS Corp., Scott Depot, WV,
Structural Engineer, PE

2001-2005, Site-Blauvelt Engineers, Inc., Charleston, WV,
Bridge Design Engineer, EIT, PE

2000-2001, Woolpert LLP, Ashland, KY,
Roadway Design Engineer, EIT

1997-1999, WVDOH, Huntington, WV,
Co-op Engineer

P.O. Box 1236
Barboursville, WV 25504



Hagley Engineering

Computer Skills

- | | |
|-----------------|----------------|
| - HEC-RAS | - Word |
| - Micro Station | - Excel |
| - AutoCAD | - HY8 |
| - InRoads | - HEC-RAS |
| - ConSpan | - HEC-2 |
| - Consys | - Visual Urban |
| - MDX | - KTDID |
| - PennDOT BRADD | - TR-55. |
| - Adobe Acrobat | |

PROJECT EXPERIENCE

Mr. Hagley has over fifteen (15) years of transportation, bridge, and hydraulic engineering experience, which includes five (5) co-op terms with the WVDOT and over four (4) years as the Public Works Director/City Engineer for the City of Huntington, WV. This experience has included Preliminary Line and Grade, Final Roadway Plan development, Preliminary and Final Hydraulic analysis, Preliminary and Final superstructure and substructure design, cost estimates, reviewing plans, field inspection of construction projects, and Safety Inspection of In-service Bridges. The Public Works Director's position duties included budget preparation and administration, editing and review of ordinances, making presentations to city council, managing capital improvement projects, and managing operations of the various divisions (e.g. Street, Floodwall, Traffic Engineering, Sanitation & Trash, Building Inspections & Permits,...).

Representative examples of Mr. Hagley's projects include:

- **Cabell and Wayne County WVDOH Slide Repair Projects** – Construction plans, details, cost estimates, and contract durations for the repair of 32 slides in Cabell and Wayne Counties. Inspector for geotechnical sampling.
- **Nickel Plate Culvert Replacement** – Served as the project manager for the replacement of the 40+ foot culvert crossing Nickel Plate Road. Responsible for procurement of a contractor, development of plans, and construction inspection and monitoring.
- **Huntington Flood Protection System FEMA Certification** – Project to certify the Huntington Flood Protection System for the new FEMA Flood Insurance Rate Maps and Study. Responsible for writing the Request for Qualifications, Selection Committee for an Engineering Firm, and Management of the project.
- **Ferguson Road Culvert Replacement** – Responsible for development of bid specifications, contractor selection, management of the construction contract, and construction monitoring for the replacement of a twin CMP culverts with an aluminum box culvert.

- **Ritchie Drive Storm Sewer Replacement** – Responsible for development of bid specifications, contractor selection, management of the construction contract, coordination with WVDOH, and construction monitoring for the replacement of a crumbling concrete section of storm sewer along Ritchie Drive and across Johnstown Road (a WVDOH maintained road).
- **WVDOH Bridge Design Manual** – A member of the project team responsible for the final revision, organization and formatting of the State’s Bridge Design Manual.
- **Earling Bridge, Logan County, WV** – Served as a design engineer for this 963’ long, five-span steel plate girder bridge over the Guyandotte River. Performed the Final Hydraulic and Sour Analysis for this bridge project
- **Rita Bridge, Logan County, WV** – Served as a design engineer for this project which consisted of a curved twin structure over the Guyandotte River. The 5 bridge spans are 966 ft and 1106 ft in length. Performed the Final Hydraulic and Sour Analysis for this bridge project
- **Walker Bridge, Logan County, WV** – A design engineer for this three span (118 ft., 118 ft., 118 ft.) continuous Prestressed Concrete I-beam Bridge.
- **West 19th Street Overpass Bridge, Cabell County, WV** – Designed the Type IV modified prestressed concrete beams for the concrete alternate for this 250’ three-span twin structure which carries I-64 over a Huntington residential street.
- **Man Bridge, Logan County, WV** – Served as a design engineer for twin 2200 ft. curved plate girders over the Guyandotte River on WV Rt. 10.
- **Middle Fork of Patterson Creek Bridge (Corridor H), Grant County, WV** – Designed steel superstructure, and piers. This six (6) span bridge consists of seven (7) welded plate girders.
- **Knobly Road Bridge (Corridor H), Grant County, WV** – Design engineer for this three (3) span bridge that consists of seven (7) welded plate girders.
- **I-64 Widening Design Study-Crooked Creek to Nitro (40th Street), Putnam County, WV** – A project engineer for this 3.48-mile long design study of major interstate.
- **WV Corridor “H” – Scherr to Forman, Grant County, WV** – A project engineer for this 2.13-mile environmentally sensitive project.
- **WV Route 10, Logan County, WV** – A project engineer for a 4.19-mile section of the new alignment of WV Route 10. Part of this project was design and layout of retaining walls, hydraulic analysis of floodplain encroachments.
- **Elkins Bypass – Randolph County, WV**– A design engineer for final design of approximately 1.9-miles of four lane corridor and interchange including plans for two grading contracts, a paving contract and right-of-way plans.
- **US 460/I-75 Interchange, Scott County, KY**– A design team member for the final design for the reconstruction and widening of this 1km section of US 460 through the existing I-75 Interchange including associated I-75 entrance and exit ramp

improvements. This included the widening of two and three lane roadway section to a six-lane section with a new six-lane bridge over I-75. Drainage system improvements included culvert extensions, urban storm sewer system design in curb and gutter sections, channel/ditch design in rural sections, and erosion control plans.

- **13th Street (US Route 60) – Boyd County, KY-** Design Team Member for final design of the major widening and reconstruction of a 1.1 km arterial highway through Ashland, KY. The roadway was widened from four to five lanes with a curb and gutter typical section. Design included evaluation of alternative assignments, geometric design, drainage design, maintenance of traffic phasing, construction phasing, cost estimates, and detailed construction drawings and right-of-ways plans.
- **KY 380- Hopkinsville, KY-** Developed preliminary horizontal and vertical alignments, preliminary major drainage design, and preliminary bridge hydraulic analysis. Conducted Preliminary line and grade review meeting.
- **KY 8, Lewis County KY-** A design engineer for the Relocation Design Study of KY 8.
- **WV 41 Thomas Buford Pugh Memorial Bridge, Fayette-Raleigh County, WV-** A design engineer for this bridge replacement project over the New River near Prince, WV. Responsibilities included Preliminary Hydraulic Analysis Report and Span Arrangement Hydraulic & Scour Analysis Report.
- **Woodland Cemetery Bridge, Ironton, Lawrence County, OH-** A design team member for this bridge replacement project in Ironton, OH. Developed of the Preliminary Hydraulic Analysis.
- **I-264, Louisville, Jefferson County, KY-**A design team member for the rehabilitation of a major section of urban interstate.
- **PA SR 0030 over a Laughlintown Run, Westmoreland County, PA-** A design team member for the local road single span bridge replacement project. Performed hydraulic analysis, construction condition analysis, scour analysis and completed Final Hydraulic Report. Also performed final quantity and rebar detail calculations.
- **PA SR 1007 (Ross mountain Road)over Tubmill Creek, Westmoreland County, PA-** A design team member for the local road single span bridge replacement project. Performed hydraulic analysis, construction condition analysis, scour analysis and completed Final Hydraulic Report. Also performed final quantity and rebar detail calculations
- **Rock Creek Trail Bridge and Trail Approaches, Rock Creek Trail over Viers Mill Road (MD 586), Montgomery County, Maryland.** Hydraulic engineer for the five span hiking trail bridge project. Performed the Scour Analysis for this project.
- **SR 3005, Section B00 (Scrubgrass Creek Bridge Replacement), SR 3005 over Scrubgrass Creek, Clinton Township, Venango County, Pennsylvania.** A design team member for the rural collector road single span bridge replacement project. Developed the Preliminary Hydraulic Analysis. Performed hydraulic analysis,

construction condition analysis, scour analysis and prepared the Final Hydraulic Report. Also worked on the final structural design for this structure.

- **Pennsylvania Turnpike Roadway and Bridge Reconstruction (MP 128.0 – 133.5), SR 7076 (Interstate 70/76), Juniata Township, Bedford County, Pennsylvania.** A design team member for the Interstate 70/76 reconstruction project. Performed hydraulic analysis, construction condition analysis, scour analysis and prepared the Final Hydraulic for multiple stream crossings.
- **Pennsylvania Turnpike Bridge Inspections, Various Counties, Pennsylvania.** Performed inspection tasks on eight PA Turnpike bridges in various locations in the vicinity of Pittsburgh, PA.
- **Fifth Street Bridge Inspection, WVDOH, Parkersburg, WV.** Served as inspection team leader for the interim inspection. This project has a five-year contract to perform one in-depth and four yearly interim NBIS inspections. The approximately 903 feet bridge crosses, a private drive, CSX railroad, the Little Kanawha River, and the Little Kanawha River Rail. The approximately 395 feet, nine-span north approach includes a five-span continuous bridge, a single simple span, and a three-span continuous bridge. All of these spans have girder-floorbeam-stringer superstructures where the floorbeams act with steel columns and cross bracing to form bents founded on concrete substructures. The main span is a 349 feet 3-1/2 inches, simple span, thru-arch truss. Primary truss members are riveted built-up using channels and a combination of plates and/or lacing bars depending on the member. The stringers frame in to floorbeams and the floorbeams frame into the bottom chord connections.
- **Mon-Fayette Expressway, PA-51 to I-376, Section 53N, Alleghany County, Pennsylvania.** A design team member for the design study project. Performed design tasks on six retaining wall structures on this interchange between the new PA-51 and existing I-376.
- **DuPont Spruance Plant East Ditch Remediation, Richmond, Virginia.** Structural engineer for the design of the support structures for a pipeline crossing an access road and a polishing pond at the Dupont Spruance Plant in Richmond, Virginia. Duties included design of circular concrete piers, supports for a steel truss, and their subsequent foundations.
- **DuPont Spruance Plant Groundwater Remediation Pre-Filter Platform Retrofit, Richmond, Virginia.** Structural engineer for the design of the support structures for a filter retrofit for a n existing platform at the DuPont Spruance Plant in Richmond Virginia. Duties included analysis of existing steel members and design of new steel members for the new filters to be retrofitted to an existing platform.
- **I-376 Beaver County Signing & Sign Lighting, Beaver County, Pennsylvania.** A structural engineer for the design of the truss and cantilever sign support for an upgrade of Pennsylvania State Route to national Highway standards.

- **Ashland Freedom Remediation, Oil/Water Separator Containment Tank, Freedom, Pennsylvania.** A structural engineer for the design of the oil/water separator containment tank at the Ashland Inc. Plant in Freedom, Pennsylvania. Duties included design open concrete tank and its subsequent details.
- **KY 32 over the T.T.I Railroad, Project #035 0032 002-003 BRZ 0903(140), Fleming County.** A project engineer of the line, grade, drainage and related services for the KY 32 over T.T.I Railroad Project. Tasks included but are not limited to: drainage, value engineering, erosion control development, and plan preparation.
- **Winfield Bridge Rehabilitation Design, WVDOH, Winfield, WV.** Bridge Engineer on bridge rehabilitation project (2008-09) consisting of a three-span cantilevered steel through truss flanked to the south by five continuous-beam spans and to the north by two simply-supported beam spans for an overall structure length of 1,427'-0" and spanning approximately 750' over the Kanawha River in Putnam County, West Virginia.
- **Winfield Bridge Inspection, WVDOH, Winfield, WV.** Provided bridge inspection services for the 2008 In-Depth Periodic inspection of the Winfield Toll Bridge as related to the Winfield Bridge Rehabilitation project.
- **Oxbow Bridge, WVDOH State Project #S343-47-5.67 00; Ritchie County, WV.** Bridge engineer for the Span Arrangement, TS&L, Final Plan Submissions for the Oxbow Bridge Project. Tasks included but are not limited to developing superstructure analysis, substructure layout, and deck drainage design.
- **Cabot Oil and Gas, Pipeline & Well Pad E&S.** Project engineer for the Erosion and Sediment Control features for pipelines and well pads in Pennsylvania. Tasks included but are not limited to, hydraulic analysis, and drainage design.

JB Turman Engineering, PLLC Resumes

JAMES (BRAD) TURMAN, P.E.

Owner, J.B. Turman Engineering, PLLC

EDUCATION

B.S. Civil Engineering, West Virginia University Institute of Technology, 1999

CERTIFICATIONS

Registered Professional Engineer, WV, [REDACTED]

Registered Professional Engineer, OH, [REDACTED]

Registered Professional Engineer, KY, [REDACTED]

Registered Professional Engineer, PA, [REDACTED]

Licensed General Engineering Contractor, WV, [REDACTED]

OSHA Certification 10-Hour Construction

TRAINING

Roadway Signing, WVDOH, 1999

Civil CAD Training Advanced Techniques, 2001

Development of Signing, Marking, and Maintenance of Traffic Plans, WVDOH, 2001

Introduction to Stream Functions and Processes, WVU, 2002

Methods for Stream Channel Assessment and Analysis, WVU, 2002

Introduction to Natural Stream Channel Design, WVU, 2003

Erosion Control/NPDES Phase II, Environmental Protection Agency, 2003

Advanced Natural Stream Design, WVU, 2004

Drainage III Workshop, ACEC/WVDOH, 2005

Mechanically Stabilized Earth Walls, University of Delaware, 2009

Primavera P6, Course 102, Consultants in Data Processing Incorporated, 2010

Primavera P6, Consultants in Data Processing Incorporated, 2010

OSHA 10-Hour Course for Construction, 2010

Combat Engineer School, U.S. Marine Corps, 1992

Officer Basic Course, U.S. Army, 2003

Combined Team Leadership Development Course, U.S. Army, 2008

Pre-Company/Detachment Command Course, U.S. Army, 2008

COMPUTER SKILLS

AutoCAD, AutoCAD Civil 3D

Microstation

InRoads SelectCAD

Microsoft Word, Excel, PowerPoint SRWall,

Segmental Wall Design Software Geo5,

Segmental Wall Design Software Geo5,

Sheet Pile Wall Design Software Primavera

P6, Project Management Software

Mechanically Stabilized Earth Walls (MSEW)

GRLWEAP 2010

WORK EXPERIENCE (J.B. TURMAN ENGINEERING, PLLC)

Sole Founder of J.B. Turman Engineering, PLLC in 2010. Owner and operator of all day to day activities involved with the business. Project experience is included in our Prospectus.

WORK EXPERIENCE (FOSTER SUPPLY, INC.)

MANAGING ENGINEER

Responsible for managing the Redi-Rock Retaining Wall System, to include casting, curing, testing, inventory, quality control, production scheduling, shipment schedules, estimating, quoting, onsite installation assistance, sales projections, and technical presentations/seminars. Other responsibilities include oversight of rebar detailing and fabrication.

- Member of Redi-Rock's Quality Control Forum assisting with the establishment of a Quality Control Plan for more than 125 dealers in the United States.
- Presented the "Rocky Award" during Redi-Rock's annual dealer meeting for Free Standing Wall of the Year 2008. One award selected from over 125 dealers across the United States.
- Developed and presented multiple presentations on Redi-Rock wall design and installation to Engineers, Architects, Contractors, and Professional Societies.
- Assisted Engineers, Architects, and Owners with site layout and design for more than 30 retaining walls.

WORK EXPERIENCE (E.L. ROBINSON ENGINEERING)

PROJECT ENGINEER

Responsibilities included geometric design, major drainage design, minor drainage design, site-grading design, sediment/erosion control design, permitting, maintenance of traffic plan development, signing and striping plan development, right-of-way plan development, general notes, special construction details, engineers cost estimate, and engineers construction timeline estimate.

WVDOH

- US 52 Kermit Bypass, 4 Lane Divided Highway
- Corridor H-Section 12, 4 Lane Divided Highway
- I-79 Bridgeport to Meadowbrook, Upgrade from 4 Lanes to 8 Lanes
- Meadowbrook Bridge, Roadway Associated with Bridge
- Wyoming Truss Bridge, Roadway Associated with Bridge



PRIVATE PROJECTS

- West Ridge Road, Snowshoe Mountain, 2 Lane Road
- Go-Mart, Gallipolis, OH, Site Design
- Jefferson/Washington Street Parking Lot Design, Charleston, WV
- Morris/Lee Street Parking Lot Design, Charleston, WV
- Wood Products Industrial Park, Site Design, Mingo County, WV
- Pizzeria Uno, Site Design, Clarksburg, WV
- Pizzeria Uno, Site Design, Teays Valley, WV

PROJECT MANAGER

Responsibilities include engineering fee/proposal development, establishing timelines, budget management, task management, invoicing, development of project specifications/bid documents, leading pre-bid meetings, leading pre-construction meetings, leading construction progress meetings, attending monthly WVDOH progress meeting, also included are responsibilities of a Project Engineer.

WVDOH

- Corridor H-Section 7, 4 Lane Divided Highway – Project highlights included a runaway truck escape ramp, wetland overlook, multiple access road connections, naturalized stream design, 10 million plus cubic yards of unclassified excavation, and an \$80 million dollar plus construction cost.

PRIVATE PROJECT

- 33RD Street Relocation, 2 Lane Street, Charleston, WV – Managed project from concept through construction completion. Designed in conjunction with \$60 million dollar building expansion for Charleston Area Medical Center.

OTHER EXPERIENCE

MILITARY

- Company Commander, 811th Ordnance Company, U.S. Army
- Detachment Commander, Operation Iraqi Freedom, June 2006-October 2007, Awarded the Meritorious Service Medal
- Responsible for Risk Management and Mitigation
- Responsible for Vision Statements, Mission Statements, Training Guidance, Training Plans, Training Calendars, Planning, Organizing, and Executing.
- Honorably Discharged May 12, 2010



Brian D. Morton, P.E.

J.B. Turman Engineering, PLLC

P.O. Box 483

Barboursville, WV 25504

Education

B.S. Civil Engineering

West Virginia University Institute of Technology, 1998

Registrations

Registered Professional Engineer in West Virginia, Florida, Ohio, Pennsylvania, and North Dakota

Professional Memberships

American Society of Civil Engineers (ASCE)

American Water Works Association (AWWA)

Professional Experience

Mr. Morton has over sixteen years of experience in many areas of civil engineering including site development projects, pipeline design, water distribution systems, sanitary sewer collection systems, storm water collection systems, roadway design projects, and airport design projects. His responsibilities at J.B. Turman Engineering include project management, construction management, contract administration and project engineering.

Representative Projects

Anchor's Cove Waterline Extension – Hydraulic calculations and engineering report for a proposed waterline extension of a WVAVWC water main in Charleston, WV. This waterline will serve a proposed multifamily residential subdivision along Knollwood Drive off US 119.

Cabell and Wayne County WVDOH Slide Repair Projects – Construction plans, details, cost estimates, and contract durations for the repair of 32 slides in Cabell and Wayne Counties. Coordinated with geotechnical and surveying sub consultants.

The following projects were performed during previous employment:

Site Design

Edgewood Summit, Arthur B. Hodges Center - Project Manager of the engineering design and construction management for the site development of a skilled nursing and assisted living facility in Charleston, WV including site grading, site utilities, storm water design and retention, ADA parking lot, pile lagging retaining wall to support building foundation, roadway relocation, and auxiliary parking lot. Also obtained all site related permits including the City conditional land use permit for the facility and represented the client at public hearings.

Huntington Museum of Arts Sensory Trail – Construction management, inspection and contract administration for the installation of a nature sensory walking trail which included a water fountain feature and scenic overlooks.

CAMC Robert C Byrd Clinical Teaching Facility Site Development and 33rd Street Relocation – Project Manager of the engineering design and construction management for the site development of a 5 story hospital

building and the relocation of 33rd Street, the waterline main, sanitary sewer main, and City storm water system in Charleston, WV. Obtained all necessary site related permitting.

CAMC Women and Children Parking Lot – Project Manager of the engineering design and construction management for the site development of a 5 acre parking lot in Charleston, WV which serves the existing CAMC hospital complex. Obtained all necessary site related permitting.

CAMC Medical Resident Housing Site Development - Project Manager of the engineering design and construction management for the site development of the Jefferson Place building on Quarrier and Morris Street in Charleston, WV including parking, storm water design with retention and outlet to combined sewer, and sanitary sewer relocation. Also assisted in the structural design and detailing of the building and obtained all necessary site related permits. Construction engineering included the review of shop drawings for the prefabricated wood roof trusses, wood floor trusses, wood wall panels, steel columns and steel beams.

Prieto Retail Site Development - Project Manager of the engineering design and construction management for the site development of a retail shopping center in Inverness, Florida, including utilities, storm water retention, and parking layout. Obtained all necessary site related permits.

Slaby Medical Building- Project Manager of the engineering design and construction management for the site development of a medical office building in Inverness, Florida, including permitting, utilities, storm water retention, and parking layout.

Beverly Hills Dental Office - Project Manager of the engineering design and construction management for the site development of a medical office building in Beverly Hills, Florida, including permitting, utilities, storm water retention, and parking layout.

Alugubelli and Patel Medical Buildings - Project Manager of the engineering design and construction management for the site development of three medical office buildings in Beverly Hills, Florida, including permitting, utilities, storm water retention, and parking layout.

Highway Design

US Route 52 - Kermit Bypass: This project consisted of 2.5 miles of four-lane divided highway, 3,000 LF of four-lane access road design, two 4-ramp intersections, one set of twin structures, one single bridge, and 2,900 LF of stream relocation, all of which resulted in 10 million cubic yards of excavation and an estimated total construction cost of \$88 million.

Corridor H - Davis to Bismarck: This project consisted of 1.75 miles of four-lane divided highway, one bridge, two at-grade intersections, and a 6' X 6' concrete box culvert. This project has an estimated total construction cost of \$9 million.

Corridor H – Foreman to Moorefield: This project consisted of 5 miles of four-lane divided highway, almost 3 miles of access road design, a truck escape ramp, one set of twin structures, one single bridge, a box culvert, and naturalized stream design. This project resulted in 10 million cubic yards of excavation and an estimated construction cost of \$75 million.

Meadowbrook Road: This project consisted of 1.4 miles of four-lane divided highway, one set of twin structures, two at-grade intersections, and a tie-in to existing US Route 19. The project had an estimated total construction cost of \$19 million.

I-79 Bridgeport to Meadowbrook: This project consisted of widening 2.1 miles of Interstate 79 to 8-lanes, including three bridges, tie-ins to two intersections, and water and sewer line relocation. The total construction cost for this project was near \$30 Million.

Lower Gassaway Bridge Replacement: This project consisted of 0.3 miles of roadway relocation, a 453' long bridge, three at-grade intersections, an at-grade railroad crossing, and a boat-loading ramp. The total construction cost for this project was \$3.5 Million.

Airport Design

Implementation of the 2003 and 2004 AIP projects at the Lawrence County (Ohio) Airpark: This included Runway Safety Area Study Report; Airport Layout Plan update including Aviation Forecasting, wind coverage analysis using FAA software "Airport Design 4.2D," non precision GPS instrument approach analysis, Part 77 Imaginary Surface analysis, Appendix II threshold siting criteria analysis, displaced threshold and declared distance calculations and property acquisition analysis.

The implementation consisted of the preparation of detailed plans and specifications conforming to FAA advisory circulars and cost estimations for the construction of a runway and taxiway rehabilitation, runway and taxiway pavement markings, apron and tie-down area expansion which included pavement design, major and minor drainage improvements around the airport and site grading and reclamation around apron and taxiways; assisted in the bidding phase and the preconstruction issues as well as construction management including airport safety briefings and NOTAMs for these projects.

Utility Relocation

Water and Sewer Relocation for the Route 35 / I-64 interchange; Waterline Relocation for the Big Tyler Center Turn Lane Project; Water and Sewer Relocation for Route 34 Roadway Widening Project; Sanitary Sewer Relocation for the I-79 Meadowbrook Bridge; Various Gas Line Relocations for Consumers Gas Company.

Waterline Distribution

Waterline Extension Projects in Cabell, Wayne, Kanawha and Putnam counties included the design and construction management of miles of waterline and several water storage tanks and booster pump stations.

Putnam PSD 2012 Water Project – Project Management, Contract Administration and Engineer for a waterline project that included a new 1.3 MG water storage tank, rehabilitation of existing two existing water storage tanks, replacement of existing water mains in Marina Park, and a waterline extension along Route 817.

Laurel Creek Waterline Booster Pump Station: This project included the design of a continuous run waterline booster pump station. Construction engineering included the review and approval of shop drawings, overseeing construction inspection, and review of contractor pay applications.

Sanitary Sewer

Putnam PSD 2009 Sanitary Sewer Project – Project Management, Contract Administration and Engineering for a new sanitary sewer collection system along Route 33, Scary Creek, U.S. Route 60 and Marina Park in Putnam County, WV. This project included the design, construction and contract management of sanitary sewer force mains, lift stations, and gravity sewers in various areas of Putnam County.

Appendix B

Certificate of Authorization

CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*The West Virginia State Board of Registration for Professional Engineers
having verified the person in responsible charge is registered in
West Virginia as a professional engineer for the noted firm, hereby certifies*

**HAGLEY ENGINEERING
C05261-00**

Engineer in Responsible Charge: DAVID HAGLEY - WV PE 016378

*has complied with section §30-13-17 of the West Virginia Code governing
the issuance of a Certificate of Authorization. The Board hereby notifies you of its
certification with issuance of this Certification of Authorization for the period of:*

June 30, 2015 - December 31, 2015

providing for the practice of engineering services in the State of West Virginia.

IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATE'S OFFICE,
PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION.



IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF
REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA
UNDER ITS SEAL, AND SIGNED BY THE PRESIDENT OF SAID BOARD.

BOARD PRESIDENT

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

- | | |
|---|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Hagley Engineering
Company

[Signature]
Authorized Signature

12/2/15
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Hagley Engineering

Authorized Signature: [Signature] Date: 12/2/15

State of West Virginia

County of Cabell, to-wit:

Taken, subscribed, and sworn to before me this 2nd day of December, 2015.

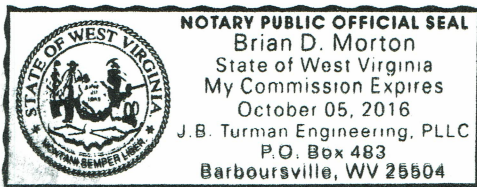
My Commission expires October 5, 2016.

AFFIX SEAL HERE

NOTARY PUBLIC

[Signature]

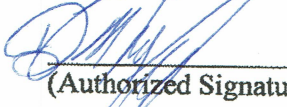
Purchasing Affidavit (Revised 08/01/2015)



CERTIFICATION AND SIGNATURE PAGE

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Hagley Engineering
(Company)

 David M. Hagley, Jr. owner
(Authorized Signature) (Representative Name, Title)

304-972-7484 12/2/15
(Phone Number) (Fax Number) (Date)