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## Header 1

List View

**General Information** | [Contact](#) | [Default Values](#) | [Discount](#) | [Document Information](#) | [Clarification Request](#)

Procurement Folder: 1449711

Procurement Type: Central Purchase Order

Vendor ID: VS0000019973 

Legal Name: DIEFFENBAUCH & HRITZ LLC

Alias/DBA:

Total Bid: \$0.00

Response Date: 07/01/2024 

Response Time: 11:38

Responded By User ID: DandHLLC 

First Name: Kerry

Last Name: Westfall

Email: kwestfall@dandengineer

Phone: 304-985-5555

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SO Dept: 0603

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Status: Closed

Solicitation Description: EOJ- BUILDER Site Assessments & Facility Inspections 2024

Total of Header Attachments: 1

Total of All Attachments: 1



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

**State of West Virginia  
 Solicitation Response**

**Proc Folder:** 1449711  
**Solicitation Description:** EOI- BUILDER Site Assessments & Facility Inspections 2024  
**Proc Type:** Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2024-07-01 13:30	SR 0603 ESR07012400000000015	1

**VENDOR**  
 VS0000019973  
 DIEFFENBAUCH & HRITZ LLC

**Solicitation Number:** CEOI 0603 ADJ2400000006  
**Total Bid:** 0  
**Response Date:** 2024-07-01  
**Response Time:** 11:38:00  
**Comments:**

**FOR INFORMATION CONTACT THE BUYER**  
 David H Pauline  
 304-558-0067  
 david.h.pauline@wv.gov

**Vendor 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	EOI- BUILDER Site Assessments & Facility Inspections 2024				0.00

Comm Code	Manufacturer	Specification	Model #
81101508			

**Commodity Line Comments:**

**Extended Description:**

Provide professional engineering services for the BUILDER Sustainment Management System Implementation, including Site Assessments & Facility Inspections, for facilities throughout WV, per the attached documentation.



## DIEFFENBAUCH & HRITZ

Engineering | Surveying | Environmental

1095 Chaplin Road  
Suite 200  
Morgantown, WV 26501

T: 304.985.5555

F: 304.985.5557

dandhengineers.com

July 1, 2024

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

RE: CEOI ADJ24\*06, Builder™ Sustainment Management System – Site Assessments & Facility Inspections Phase 2

Mr. Pauline,

Dieffenbach & Hritz, LLC (D&H) is pleased to present this qualifications package to the Adjutant Generals Office in response to the Expression of Interest for Site Assessments & Facility Inspections using Builder™ Sustainment Management System. D&H is a full-service engineering firm headquartered in Morgantown, West Virginia with a history of serving state-wide interests of both private and public sectors. As outlined in our response, we have experienced personnel to complete this project.

The project will be managed out of our headquarters in Morgantown by Mr. Eric Stewart, P.E. The project will be lead by Senior Mechanical Engineer, Madelaine Shultz and assisted by Architect/Structural Engineer, James Osbourne.

We appreciate the opportunity to provide this proposal and look forward to answering any questions you may have. If you should require any additional information, please contact me at 304-985-5555.

Sincerely,

Eric N. Stewart, P.E.  
Vice President of Engineering  
DIEFFENBAUCH & HRITZ, LLC



DIEFFENBAUCH & HRITZ

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QUALIFICATIONS

# Dieffenbauch & Hritz, LLC Corporate Profile

In 2005, Chris Dieffenbauch, P.E. and Mike Hritz, P.E. wanted to bring a different culture to large scale engineering projects. With a focus on developing client relationships, Dieffenbauch & Hritz (D&H) was established in Morgantown, West Virginia. Their first project, the Red Jacket section of King Coal Highway in Mingo County, was the first ever public/private partnership between a coal company and the West Virginia Division of Highways (WVDOH). In addition to the 12 miles of four-lane highway and connector roads, this project also included the preparation of the site on which the Mingo County High School and athletic fields are currently located. The project was completed and opened to the public in 2012. Since then, D&H has expanded to provide engineering support to clients in Virginia, Ohio, Pennsylvania, and North Carolina on a wide variety of public and private projects. While maintaining a focus on civil engineering at the forefront, the services D&H provide to clients has also expanded. D&H provides construction management and inspection, mechanical engineering, surveying, environmental compliance, geographical information systems, and aerial mapping services. These services allow D&H to provide a full spectrum of innovative engineering design methods and technology to take a client's ideas and turn them into reality. D&H is dedicated to building long-term relationships with clients to provide for immediate needs and partner on future opportunities.

The leadership team, including Chris Dieffenbach, Mike Hritz, Herbert Parsons, and Eric Stewart, brings a combined total over 100 years of civil engineering experience. To date, D&H has designed over 2,000 well pads, 20 water/wastewater management facilities and permitted over 500 miles of pipelines for the oil and gas industry. D&H is currently providing routine monitoring on completed facilities, design and construction monitoring for maintenance projects and mechanical design services. D&H has provided design and construction management for stormwater projects ranging from K-12 schools, car dealerships, and federal waterline projects among others.

## **QUALIFICATIONS AND PREVIOUS EXPERIENCE**

D&H is a one-stop consulting firm with a professional portfolio of services to meet the needs of our clients. This portfolio is only possible with licensed experienced staff on the same team. Benefits of the D&H team include communication without misinterpretation or delay, project vision and completion values, and detailed understating of the region that we work and live in.

D&H continues to grow and expand into new areas of interest. As new employees are brought into the company, they bring broad new ranges of expertise. Madelaine Shultz will be assigned lead to this project and has previous experience that more than qualifies her to assemble a team and lead the project to successful completion. Ms. Shultz will be hands on with the project, doing much of the inspection and data entry herself with assistance from others, including other HVAC

professionals and our architect/structural engineer, as needed to meet project deadlines. In addition to her previous experiences, she brings the full confidence and support of D&H.

Ms. Shultz has experience working in a team of three members to implement SchoolDude, now Brightly, throughout the WV K-12 school system of over 700 schools in 55 counties. The program started with a work order system and expanded to include preventative maintenance. Many counties chose to expand further into product line after seeing the value of having a cloud-based maintenance and operations system.

At the same time, Ms. Shultz worked one-on-one with multiple individual county school systems to use the EPA's Energy Star Portfolio Manager to track and assess energy and water consumption across all facilities within the county system. Ms. Shultz was able to personally benchmark 5 county systems in Portfolio Manager.



DIEFFENBAUCH & HRITZ

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RESUMES

## Vice President of Engineering

**Eric N. Stewart, P.E.**



DIEFFENBAUCH & HRITZ

Mr. Stewart has over 20 years of experience in the civil and environmental engineering field. As the Vice President of Engineering for Dieffenbach & Hritz, Mr. Stewart uses his broad experience base to expand project development with both public and private sector clients. Mr. Stewart has accumulated an extensive range of experience in the regulatory, planning, well permitting, location construction, pipeline, and midstream facility of the oil & gas industry in the Marcellus and Utica Shale. Also, through his career he has gained valuable experience with projects in the transportation, environmental compliance, mining, water resources and commercial site development fields in many states.

### **Company Role, Vice President of Engineering:**

As VP of Engineering, he manages a diverse engineering team and is responsible for ensuring that design requirements are met, oversees the consistency of client experiences, and manages a team of engineers and designers. He coordinates procedures as well as working closely with clients and regulatory agencies to ensure the company is at the forefront of design and regulatory adherence.

### **Project Role, Professional Charge:**

Mr. Stewart is assigned professional charge on many projects for the engineering and construction management departments. For this project he will be responsible for ensuring that the product vision is realized through excellence in execution. A critical key to quality control includes redundant professional reviews. D&H has a Client Manager in charge of projects and a designated Professional will provide independent review of each deliverable. This process assures unbiased results and quality deliverables. Professional charge assignments include permitting, engineering, survey, and construction management deliverables for a variety of projects.

### **Summary of Experience:**

#### **Upland Run AMD, WVDEP Office of Abandoned Mine Lands and Reclamation, Weston, Lewis County, West Virginia**

This project is currently in an active status with the WVDEP (D&H received notice to proceed on July 26, 2023). Mr. Stewart has been assigned the Project Engineer Role. He will oversee the engineering design plan and review and certification of the final project. This project involves 5 slip areas requiring stabilization on 15 acres and repair/replacement of a deteriorating drainage system with sediment transport to eliminate flooding issues affecting structures and a state road.

## **DETAILS AND ACHIEVEMENTS**

### **Experience**

Total: 20 years

With D&H: 9 years

### **Education**

B.S. Civil Engineering, West Virginia University

## **PROFESSIONAL REGISTRATIONS**

### **Professional Engineer**

WV – No. [REDACTED]

NC – No. [REDACTED]

OH – No. [REDACTED]

PA – No. [REDACTED]

TN – No. [REDACTED]

## **CORPORATE AFFILIATIONS**

- GPA Midstream Appalachian Basin (ABGPA Midstream)
- Gas & Oil Association of West Virginia (GO-WV)
- Pennsylvania Independent Oil and Gas Association (PIOGA)



**Weston (Curtis) Landslide, WVDEP Office of Abandoned Mine Lands and Reclamation, Weston, Lewis County, West Virginia**

This project is currently in an active status with the WVDEP (D&H received notice to proceed on July 26, 2023). Mr. Stewart has been assigned the Project Engineer Role. He will oversee the engineering design plan and review and certification of the final project. This project involves three slip areas requiring stabilization on 5 acres, road stabilization, and the installation, repair and/or replacement of various drainage controls and features.

**2023 AML Contract N2, Marion County and Harrison County, West Virginia**

This project is currently in an award status with the WVDEP (D&H received notice of award on December 7, 2023). Mr. Stewart has been assigned the Project Coordinator Role and will be the Engineer of Record for design. He will participate in the initial site planning meetings, scoping meetings, cost negotiations, surveying, subsurface investigation review, Realty contacts and negotiations, engineering design plan and review and construction administration and certification of the final project. Multiple projects are included in this award over 6 unique sites in two counties. One project is the stabilization of subsidence that threatens multiple residences. The remaining projects are slip stabilization and highwall reclamation.

**NV113 Engineering & Design, Monongalia County, West Virginia**

Engineering Manager responsible for the structural design, construction inspection and survey services for a 30-foot pre-cast, pre-stressed box beam bridge deck to span an existing pipeline. The structural design consisted of engineering plans, structural calculations for the concrete bridge beams, abutments, approach/sleeper slabs and wing walls for the project.

**Energy Cynic to Soles Waterline, Wetzel County, West Virginia**

Engineering Manager responsible for the completion of survey, engineering, permitting, and construction services associated with the installation of approximately 27,500 LF a 20-inch HDPE waterline located between Littleton, West Virginia and Springhill Township, Greene County Pennsylvania. Coordinated activities between disciplines, performed design calculations and provided construction administration services.

**MAJ10 Tank Containment Wall Design, Monongalia County, West Virginia**

Engineering Manager responsible for the structural design, construction inspection and survey services for a secondary containment wall for two 132 feet diameter storage tanks. This secondary containment has a cumulative volume of 7.2 million gallons and the steel lagging wall stands 12 feet in height.

**Titan Impaired Waterlines, Belmont County, Ohio**

Engineering Manager responsible for hydraulic models, pump head curve, helical pile spacing, surge calculations and hydrostatic testing parameters associated with the installation of approximately 740 LF of 12" HDPE DR11 waterline located in Belmont County, Ohio.

## Senior Mechanical Engineer Madelaine Shultz



DIEFFENBAUCH & HRITZ

Ms. Shultz has over twenty years of experience in engineering and facility management and brings strong time management and multitasking skills along with adaptability and flexibility in changing environments. Previous experience operating a multi-disciplinary business gives Ms. Shultz a unique perspective on project timelines, budgets, and deliverables. She knowledgeable about construction plans and technical specifications and experienced with various CAD programs and pipe stress analysis.

### **Project Role, Sr Mechanical Engineer:**

Responsible for supervising, designing, and ensuring final deliverables meet pipeline safety regulations and project specifications and requirements by direction of practice manager.

### **Summary of Projects:**

#### **Water Operations Integrity Inspections – Ritchie, Doddridge, and Tyler Counties, WV**

Management of a team of inspectors walking waterline right of ways. As the project manager, Ms. Shultz is responsible for staffing the project, schedules, client relationships, and verifying the work done with internal audits. Under Ms. Shultz, this project has doubled in overall mileage, number of pad inspections, and staff and continues to grow.

#### **Structural Integrity – Wellsburg, WV**

Inspection and Analysis. Ms. Shultz performed the initial structural inspection and information gathering for a client owned facility with intention for use as a field office space. Ms. Shultz worked with staff architect and structural engineer to analyze the facility for failure points and to make recommendations for improvements. As the project lead, Ms. Shultz was also responsible for coordinating the team, managing the budget, and ensuring the quality of the work.

#### **WV DEP Office of Abandoned Mine Land (AML) Projects – various locations, WV**

Technical Specifications. Ms. Shultz is responsible for writing the technical specifications for on-going AML projects.

### **Experience prior to D&H:**

#### **MS Home & Environmental – Home Inspections, Radon Testing, Mold Inspections and Testing, Asbestos Inspections and Air Clearance**

Ms. Shultz was the sole owner and employee of MS Home & Environmental and worked for both residential and commercial clients to meet their

## **DETAILS AND ACHIEVEMENTS**

### **Experience**

Total: 24 years

D&H: 1+ year

### **Education:**

B.S. Mechanical

Engineering,

Indiana Institute of

Technology

**Senior Mechanical Engineer**  
**Madelaine Shultz**



DIEFFENBAUCH & HRITZ

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inspection needs. Commercial inspections included facility inventory inspections for Fresenius Kidney Care locations throughout WV and PA. Ms. Shultz also used her expertise to manage a 5,000 sf remediation, demolition, and renovation following water damage. Ms. Shultz held the following licenses: WV Home Inspector, WV Radon Technician, WV Asbestos Inspector, WV Asbestos Air Clearance Monitor, WV HVAC Technician\* and the Business was licensed as a WV Radon Laboratory.

*\*HVAC Technician license still active*

**WV Department of Education – Mechanical Engineer**

Primary responsibilities included: Inspection of WV K-12 schools for delayed maintenance, health and safety issues, and custodial needs. Specializing in HVAC needs. Ms. Shultz served as the energy consumption specialist to the Office of School Facilities and to all county school systems. Ms. Shultz helped to implement the use of the School Dude Work Order and Preventative Maintenance program across all 55 county school systems. Ms. Shultz also worked with several counties one-on-one to input energy consumption information into the EPA Energy Star system. During her time at the WVDE, Ms. Shultz held an Energy Manager's Certification from the Association of Energy Engineers, was a member of the American Society of Heating, Refrigeration, Air Conditioning Engineers (ASHRAE), and helped to start a state chapter of the Energy Services Coalition serving as the state chapter treasurer and on the nation board.



## Project Engineer

**James Roger Osborne II, P.E., Architect**

DIEFFENBAUCH & HRITZ

Mr. Osborne has 24 years of experience in providing architecture and engineering services to private and government clients including projects that are funded by federal, state, and local government agencies. Mr. Osborne has a broad range of experience in architecture, civil, and structural engineering including pre-design, construction estimating, building, bridge, and non-building structural design, 3D visualization, retaining wall design, site and road design.

### Project Role, Project Engineer

Responsible professional in charge of overseeing all aspects of project design, staff coordination, and quality assurance of all deliverables.

### Summary of Experience:

#### Copper Creek Stream Restoration & Bridge Replacement, Castlewood, Virginia

Engineer responsible for design of concrete abutments for a prefabricated steel bridge to replace an existing out of service low water bridge.

#### CNX NV113 Well Site Bridge, Washington County, Pennsylvania

Engineer responsible for design of a 40 ft clear span concrete bridge located along existing road to clear existing gas utilities.

#### Porterfield Memorial Replacement Bridge, Grundy, VA

Engineer responsible for design of a 70 ft clear span concrete bridge to replace an existing out of service steel bridge.

#### Appalachian College of Pharmacy Replacement Bridge

Engineer responsible for design of a 60 ft clear span concrete bridge to replace an existing out of service concrete bridge.

#### Boston Knoll Replacement Bridge, Buchanan County, Virginia

Engineer responsible for design of a 50 ft clear span steel bridge to replace an existing out of service steel bridge.

#### Squire Branch Replacement Bridge, Buchanan County, Virginia

Engineer responsible for design of a 50 ft clear span steel bridge to replace an existing out of service steel bridge.

## DETAILS AND ACHIEVEMENTS

### Experience

Total: 24 years

### Education

B.S. Engineering  
Technology with emphasis  
on Civil/Structural/Building  
Construction  
Old Dominion University

B.S. Engineering  
Technology with emphasis  
on Construction  
Management/Estimating  
Old Dominion University

AAS Design & Drafting  
Technology  
Southwest Virginia  
Community College

## PROFESSIONAL REGISTRATIONS

### Register Architect

WV – No. [REDACTED]

VA – No. [REDACTED]

TN - [REDACTED]

### Professional Engineer

VA – No. [REDACTED]



DIEFFENBAUCH & HRITZ

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DESIGNATED CONTACT

**DESIGNATED CONTACT:** Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) Eric Stewart, PE - Vice President of Engineering

(Address) 1095 Chaplin Road, Suite 200, Morgantown, WV 26501

(Phone Number) / (Fax Number) 304-985-5555

(email address) estewart@dandhengineers.com

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract 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/Contract 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 this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; 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.

*By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.*

Dieffenbauch & Hritz

(Company) 

(Signature of Authorized Representative)

Eric Stewart, PE - Vice President of Engineering      7/1/2024

(Printed Name and Title of Authorized Representative) (Date)

304-985-5555    Fax: 304-985-5557

(Phone Number) (Fax Number)

estewart@dandhengineers.com

(Email Address)