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Header 1

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Procurement Folder: 915025

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Procurement Type: Central Purchase Order

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Vendor ID: VC0000066437

SO Doc ID: ADJ2200000003

Legal Name: STAHL SHEAFFER ENGINEERING LLC

Published Date: 7/28/21

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Close Date: 8/12/21

Total Bid: \$0.00

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Solicitation Description: South Gate Road Slip Stabilization Design-Camp

Responded By User ID: wkrasneski

Total of Header Attachments: 1

First Name: Walt

Total of All Attachments: 1

Last Name: Krasneski

Email: wkrasneski@sthalisheaffe

Phone: 304-381-4281



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: 915025
Solicitation Description: South Gate Road Slip Stabilization Design-Camp Dawson
Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2021-08-12 13:30	SR 0603 ESR08122100000000951	1

VENDOR
VC0000066437
STAHL SHEAFFER ENGINEERING LLC

Solicitation Number: CEOI 0603 ADJ2200000003

Total Bid: 0 **Response Date:** 2021-08-12 **Response Time:** 13:02:07

Comments:

FOR INFORMATION CONTACT THE BUYER

David H Pauline
304-558-0067
david.h.pauline@wv.gov

Vendor Signature X	FEIN#	DATE
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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	South Gate Road Slip Stabilization Design-Camp Dawson				0.00

Comm Code	Manufacturer	Specification	Model #
81101508			

Commodity Line Comments:

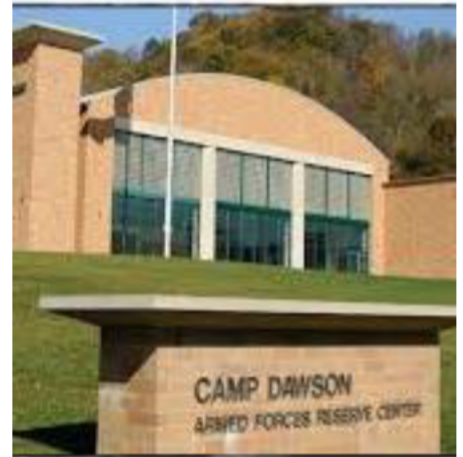
Extended Description:

Provide professional architectural and engineering design services per the attached documentation.

CENTRALIZED EXPRESSION OF INTEREST: South Gate Road Slip Stabilization Design

Camp Dawson, Kingwood, WV

AUGUST 12, 2021



SUBMITTED TO:



West Virginia
Department of Administration

WV Department of Administration, Purchasing Division
2019 Washington St. E.
Charleston, WV 25305

SUBMITTED BY:

STAHL SHEAFFER
ENGINEERING

Celebrating 15 Years

250 Lakewood Center
Morgantown, WV 26508

stahlsheaffer.com

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Stahl Sheaffer Engineering
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Morgantown, WV 26508
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August 12, 2021

Mr. David H. Pauline, Senior Buyer
Department of Administration, Purchasing Division
2019 Washington Street, East
Charleston, WV 25305

Re: South Gate Road Slip Stabilization Design – Camp Dawson
CEOI 0603 ADJ2200000003

Dear Mr. Pauline:

Stahl Sheaffer Engineering, LLC (Stahl Sheaffer) is pleased to submit this Expression of Interest for Road Slip Stabilization Design Services for South Gate Road at Camp Dawson, Kingwood, West Virginia. We understand the agency is seeking qualified firms to provide architectural/engineering services and develop renovation-construction bid documents suitable for advertisement, using State purchasing procedures. It is further understood that the scope of work will include approximately 200 linear feet of road embankment that is currently unstable and slipping, impacting a road used by the West Virginia Army National Guard (WVARNG) and a stream.

Stahl Sheaffer's highly experienced and registered professionals including Professional Engineers (P.E.), Professional Geologists (P.G.), and Professional Land Surveyors (PLS) are capable and prepared to provide the services as outlined in this Request for Expressions of Interest.

Our West Virginia office is located in Morgantown and places Stahl Sheaffer in position to be responsive and readily available. Please contact me at 304.381.4281 or via email at tkinder@stahlsheaffer.com should you have any questions or require additional information.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Timothy H. Kinder', is written over a light blue circular stamp.

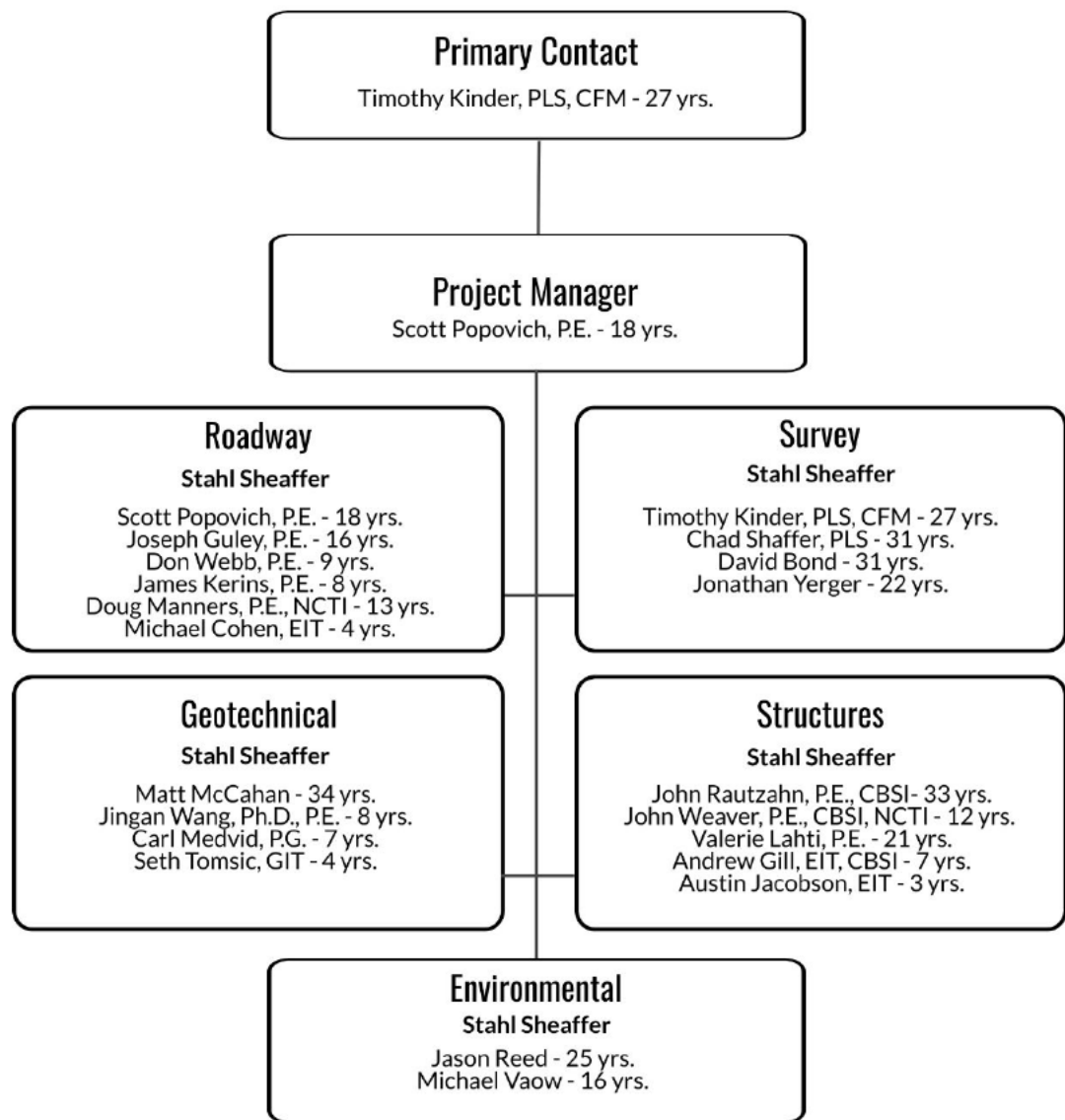
Timothy Kinder, PLS, CFM
WV Operations Manager / Person-In-Charge
Stahl Sheaffer Engineering, LLC

Copy File P21-397

Section 1 – Proposed Staffing Plan

STAHL SHEAFFER ENGINEERING PROJECT TEAM ORGANIZATION CHART

South Gate Road Slip Stabilization Design – Camp Dawson



Timothy H. Kinder, PLS, CFM – WV Operations Manager/Director of Survey

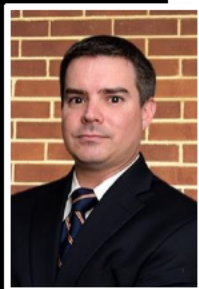
- Associate of Science, Land Surveying, Glenville State College
- Regents Bachelor of Art, Marshall University
- West Virginia (██████); Rhode Island (██████); Connecticut (██████); Kentucky (██████)
- Certified Flood Plain Manager (#U██████)
- West Virginia Society of Professional Surveyors, Member
- Pennsylvania Society of Land Surveyors, Member
- National Society of Professional Surveyors (NSPS), Member

Mr. Kinder oversees all survey projects and leads all operations for Stahl Sheaffer in West Virginia. Mr. Kinder is responsible for driving project schedules, managing project budgets, leading client/sub-consultant coordination, and overseeing the technical design and survey of project teams. He is responsible for performing reviews of all survey projects, directing staff surveyors and technicians, and managing client communication and project progress. Mr. Kinder has over 27 years of experience in boundary and topographical surveying, subdivision and land development planning, oil and gas upstream and midstream development planning, and construction survey layout.

- **I-64 Merritt's Creek Interchange, WVDOH, Barboursville, WV** – Survey Project Manager for an interstate widening and upgrade design for I-64. Mobile LiDAR was used to map 3.3 miles of roadway plus ramps and side roads, document underground utilities and produce 3D scans for two bridges. Stahl Sheaffer also conducted supplemental topographical surveying and provided deed and utility research, post construction monumentation, and settlement survey. The total roadway scanned was 16.1 miles including ramps and side roads.
- **Greenbag Road Improvements, WVDOH, Morgantown, WV** – Survey Project Manager for widening and intersection improvements along 1.1 miles of Greenbag Road, including 3D LiDAR scanning, design, right-of-way development, public involvement, and all required environmental work needed for construction.
- **Beechurst Avenue PIE Study, WVDOH, Morgantown, WV** – Survey Project Manager for survey, mobile LiDAR, survey control, deed research and plotting, landowner questionnaires, and right of entry.
- **West Virginia Roadway Improvement Project, Confidential Energy Client, Various Counties, WV** – Survey Project Manager for a 115-mile roadway improvement project throughout West Virginia. The project was located across various WVDOH Districts including Districts 1-0, 2-0, 3-0, 4-0, and 6-0. Mr. Kinder was responsible for the oversight and scheduling of the survey crew and technicians for providing topographic mapping, certified plat creation for new right of way, and easement acquisitions.
- **Interstate 70 - Mobile LiDAR Mapping Project, Ohio County, WV** – As part of a design build team, Mr. Kinder served as the Survey Project Manager providing Mobile LiDAR data for a 14-mile section of Interstate 70. 360-degree 3D Mobile LiDAR data of the roadway was collected to document existing pavement conditions for use in analyzing pavement life and anticipating risk associated with proposed construction and re-surfacing.

Scott R. Popovich, P.E., Project Manager/Director of Transportation

724.960.1111 ext 19 | 724.255.3131 mobile | spopovich@stahlsheaffer.com



- Bachelor of Science in Civil Engineering, The Pennsylvania State University
- Professional Engineer (P.E.): WV () 2012; PA () 2008; OH () 2016

As Director of Transportation for Stahl Sheaffer, Mr. Popovich manages staff and projects involving highway design, traffic studies, maintenance and protection of traffic, traffic signal design, signing and pavement marking plans, highway occupancy permits, transportation impact studies, pedestrian accommodations studies, warrant analysis, safety studies, pavement analysis, and pavement design. He has 18 years of experience in the municipal, public, and private sectors performing large-scale design projects under aggressive schedules. Mr. Popovich's design experience includes roadway design of existing and new alignments, traffic signal design plans, maintenance and protection of traffic plans, pavement marking and signing plans, ADA compliant curb ramp design, cross sections, and construction contract documents. He is experienced in report writing and preparing plans, specifications, special provisions, and cost estimates per PennDOT and Pennsylvania Turnpike Commission standards and plans presentation. Mr. Popovich is experienced in MicroStation, Synchro, HCS, ITE Trip Generation Software, Jamar, Tab Wizard, and AutoTAB. Relevant projects include:

- **West Virginia Roadway Improvement Initiative** – Overall Project Manager responsible for a \$16 Million design project over a 12-month period, which included the design, permitting, and right-of-way acquisition of approximately 100 roadway widening and upgrade projects; eight bridge replacement or rehabilitation projects; and numerous geotechnical slide repairs across five WVDOH Districts. From Notice-to-Proceed, Stahl Sheaffer was required to design, permit, and acquire right-of-way for the projects to allow them to be fully constructed within 16-months of the initial NTP. Responsibilities included oversight of all projects, oversight of a large project team, consisting of a survey group, environmental permitting group, bridge design group, geotechnical group, highway design group, right-of-way acquisition group, project scheduler, construction group, and various sub-consultants; extensive coordination with WVDOH Districts 1, 2, 3, 4, and 6; and construction consultation. The project consisted of extensive environmental and stormwater permitting, the acquisition of approximately 250 right-of-way parcels, and resulted in approximately \$89 Million in construction projects.
- **WVDOH Greenbag Road Improvement Project, Morgantown, WV** – Preliminary engineering, NEPA clearance activities, and right-of-way plan development for the widening and installation of two new roundabouts along 1.5 miles of Greenbag Road to support the WVDOH in providing safety and operational improvements to reduce congestion and add pedestrian/bicycle accommodations along the corridor. The project involved an extensive alternatives analysis, roadway design, roundabout design, traffic control, drainage design, 3D LiDAR scanning, right-of-way development, preparation of a traffic study for intersection capacity and corridor analysis, and subconsultant oversight for the development of an EA, including extensive public involvement efforts.
- **Redevelopment Authority of the County of Washington, Local Road Design for the Local Share Account Program, Canton Township, Washington County, PA** – Project Manager responsible for new public roadway design between Caldwell Avenue and Euclid Avenue to improve access to the former Brockway Glass brownfield site.

Joseph Guley, P.E. – Roadway Engineer

724.960.1111 ext 16 | 724.554.9487 mobile | jguley@stahlsheaffer.com

- Bachelor of Science in Civil Engineering, The Pennsylvania State University
- Professional Engineer (P.E.): WV () 2018; PA () 2012



Mr. Guley is Project Manager for Stahl Sheaffer. Mr. Guley is experienced with projects dealing with highway design, highway occupancy permits, transportation impact studies, traffic analysis, traffic signal design, pedestrian accommodations studies, warrant analysis, safety studies, pavement analysis, and pavement design.. Mr. Guley's design experience includes roadway design, cross sections, construction bid documents, traffic signal design plans, maintenance and protection of traffic plans, pavement marking and signing plans, and ADA compliant curb ramp design. He is also experienced in report writing and knowledgeable in the preparation of plans, specifications, and estimates according to PennDOT procedures and plans presentation. Mr. Guley is experienced in Microstation, InRoads, GEOPAK, AutoTAB, AutoTURN, Synchro, HCS, ITE Trip Generation Software, Jamar data collection software. Relevant projects include:

- **Chevron Appalachia, Roads Group Liaison** – Project Manager responsible for design and review of roadway widening and upgrade projects to accommodate Marcellus shale operations. Responsibilities included oversight of all projects, oversight project team, consisting of survey group, environmental permitting group, geotechnical group, highway design group and various sub-consultants; extensive coordination with WVDOH District 6; and construction consultation. Coordination with multiple utility companies on utility relocations and subsurface utility exploration companies. Also responsible for project cost tracking, completing monthly Value of Work Done (VOWD) reports and providing weekly updates and summaries to Chevron Management.
- **Pennsylvania Turnpike Commission, Design Open End Contract, Rehabilitation of Mainline Turnpike between Milepost 282 to 292** – Roadway Design Discipline Lead responsible for preparation of roadway construction plans, project specifications, special provisions, and overall contract book for this 10-mile rehabilitation of the mainline Turnpike. Responsibilities included determination of required work, oversight and quality control review of plan development, length of need calculations, oversight of item and quantity tabulations, development of special provisions, and preparation of the specifications book. The overall project included slab stabilization, pavement patching, bituminous overlay, rehabilitation of three mainline structures, drainage improvements, slope stabilization, and median barrier replacement.
- **Local Road Design for the Local Share Account Program, Canton Township, Washington County, PA** – Project Engineer for a new public roadway design between Caldwell Ave. and Euclid Ave. to improve access to the former Brockway Glass brownfield site. Design of the new local roadway was completed for the RACW to promote the development of Canton Township. Mr. Guley completed studies and assemble site data as required, prepared plans and specifications for public improvements in compliance with all Federal, State, and local requirements, and reviewed bids while recommending lowest responsible bidder.
- **PennDOT District 11-0, SR 2003 (Hoenig Road), Economy Borough, Beaver County, PA** – Project Engineer for a User Upgrade Plan on 0.5 mile of SR 2003. Responsibilities included design of widening, full depth reclamation and drainage improvements, development of item and quantity tabulations, development of special provisions, and preparation of bid documents.

Chad Shaffer, PLS – Project Manager Survey

570.374.4813 ext 308 | 570.933.9101 mobile | cshaffer@stahlsheaffer.com



- Associate Civil Engineering Technology, Penn College of Technology
- Professional Land Surveyor (PLS): PA (# [REDACTED]) 2003

Mr. Shaffer is the Project Manager for Stahl Sheaffer Engineering's Survey Department, responsible for performing review of projects, directing staff surveyors and technicians, and managing client contact and project progress. He has 31 years of experience, and relevant projects include:

- **PA Turnpike Commission, New Baltimore Slide** – Mr. Shaffer was responsible for the setup and operation of a 3D monitoring system using a robotic total station. This system provided continual 3D monitoring, prior to and during construction, of over 100 prisms located on the slide. The system then provided post constructing monitoring of the slide using 10 strategically placed prisms. During the monitoring, the data was transmitted wirelessly to a dedicated computer, which then allowed the information to be accessed from any computer. Weekly reports were then generated from this data and provided to the PA Turnpike and Geo-technical consultants.
- **Route 74 Repaving/Reconstruction Project, Perry County, PA** – Project surveyor for a 1.5-mile repaving/reconstruction project, responsible for construction layout and calculations for portions of Route 74 that were reconstructed due to steepness, drainage problems, etc. Also responsible for the Type C surveying of the repaved sections of Route 74.
- **North Atherton Street 3D Survey, State College, Centre County, PA** – Survey/project manager for 3D survey and base mapping of approximately 9000 linear feet of North Atherton Street. Responsible for the oversight and scheduling of the survey crew and technicians as well as scheduling traffic control.
- **The Pennsylvania State University Pollock Road Bollard Replacement, University Park, PA** – Project manager for construction drawings and documents for a retractable bollard replacement project on Pollock Road.
- **Bridge Replacements, Clearfield County, PA** – Survey Manager for three bridge replacement projects. Responsible for ROW location and preparation of ROW plans, utility location and coordination, and boring locations.
- **E03976 PA 56, Bedford County, PA** – Survey Manager for a bridge replacement, responsible for ROW location and preparation of ROW plans, topographical and H&H surveys.
- **PennDOT District 3-0, PA Rapid Bridge Replacement Program** – Survey / Project Manager for the stakeout of ROW and temporary easements, construction stakeout, and topographical surveys for various bridges located within PennDOT District 3-0.
- **PA DCNR, Bureau of Facility Design and Construction** – Stahl Sheaffer currently holds three open end agreements with DCNR for bridge design, bridge inspection, and construction inspection. Mr. Shaffer completed full topographic and TS&L surveys for the structural design of 24 bridge and culvert replacements, hydrological studies, and roadway reconstruction plans.
- **The Pennsylvania State University & Clearwater Conservancy Musser Gap Trail, Ferguson Township, PA** – Project surveyor for completing topographic survey, design, and permitting for a pedestrian and bike trail across University property that connects State College area trails to the nearby State Forest tracts. This project was partially funded by DCNR.



Matthew L. McCahan – Geotechnical Services Manager

724.338.7853 | 814.233.4200 mobile | mmccahan@stahlsheaffer.com

- Bachelor of Science in Mineral Economics/Geology, The Pennsylvania State University
- Highway Geology Symposium Author/Presenter: Pennsylvania Turnpike Expansion - A Retrospect (44th); Integrated Geohazard Management - A Systemwide Approach (47th); and Replacement of Bridge B-451 (50th)

Mr. McCahan has over 34 years of experience and is responsible for managing the geotechnical engineering efforts of all Stahl Sheaffer geotechnical projects. He is also responsible for Stahl Sheaffer's AASHTO re:source accredited materials testing laboratory which includes managing lab personnel and prioritizing lab assignments for the testing of soils, aggregates, asphalt, cement, and concrete. Prior to joining Stahl Sheaffer, Mr. McCahan, worked for the Pennsylvania Turnpike Commission (PTC) as an Engineering Manager in the Geotechnical Engineering Department. Geographically, the position was responsible for geotechnical projects along the entire length of the 552-mile system. Through this experience, Mr. McCahan was involved with all types of roadway, structure, and facility projects and featured the sampling and testing of materials, the design of roadways, structure foundations, retaining walls, cut slopes, and fill slopes, as well as 24-hour on-call response to emergencies such as slope failures/landslides, rockfalls, and sinkholes. Additionally, he was involved in the development of the Commission's Design Consistency Guidelines, the Design Operations Manual, and the Systemwide Open End Drilling Contracts and Open-End Sinkhole Contract; PTC Standard Drawings, Commission Specifications, special provisions, and blasting and pile driving guidelines.

- **Monroe County, Ohio Slide Repairs** – Responsible for the design of 33 slide repairs as part of the County's 2018 and 2019 FEMA Repair Projects. All projects included design, survey, drilling (by others), drilling inspection, laboratory testing, slope stability analysis, environmental permitting (if required), plan preparation, cost estimating, and contract documents.
- **PA S.R. 53 Emergency Design / Build Landslide Repair (PennDOT District 2-0)** — Prepared geotechnical recommendations and provided field inspection for an Emergency Design/Build Project for PennDOT District 2-0. The project remediated 2 significant landslides (150 feet and 200 feet) on SR 0053 in Clearfield County. Developed a Foundation Design Report, geotechnical analyses, and recommendations. Both walls were cantilever soldier pile walls, utilizing wide flange steel piles encased in concrete and socketed into approximately 10 feet of rock.
- **West Virginia Roadway Improvement Initiative & WVDOH Roadway Repair Partnership / Mountaineer Express, Various Counties, WV** — Mr. McCahan served as geotechnical project manager for 13 Pile and Lagging Walls for the West Virginia Roadway Improvement Initiative (WVRII) and an additional nine Pile and Lagging Walls and 18 Soil Nail Walls for the WVDOH Roadway Repair Partnership / Mountaineer Express. Responsibilities included design oversight, coordination with the WVDOH, reviewing RFI's during construction, assignment of QC/QC personnel, and coordination and tracking of schedules.

Jingan Wang, Ph.D., P.E. – Geotechnical Manager

724.338.7855 | 509.592.8633 mobile | jwang@stahlsheaffer.com



- Ph.D. in Civil Engineering, Washington State University
- Master of Civil Engineering, Beijing Jiaotong University
- Bachelor of Science, Environmental Engineering, China Agricultural University
- Professional Engineer (P.E.): PA (██████████) 2017; WV (██████████) 2018; OH (██████████); CA (██████████) 2016

As a Geotechnical Project Manager, Dr. Wang's major responsibilities include slope stability analysis, retaining wall design, foundation design, mechanical analysis of the pavement distress, laboratory test conduction, pavement design and performance prediction, roadway design and detail drawing, cost estimation, contract bid preparation, review of Mechanistic-Empirical pavement design, Full Depth Reclamation (FDR) mix design, and Cold In-Place Recycling (CIR) mix design, report preparation for geotechnical analysis and recommendation, geotechnical lab management. He has completed engineering designs in landslide, pavement, well pad foundation, and pipeline buried depth. He has taken the lead on more than 50 roadway slide remediation designs, 170 FDR mix designs, and over 90 CIR mix designs. These clients include private owners, the oil & gas industry, and state and local agencies from PA, OH, WV, MD, and DE.

- **Monroe County, Ohio Slide Repairs** – Geotechnical Manager for the design of 33 slide repairs as part of the County's 2018 and 2019 FEMA Repair Projects. All projects included survey, drilling (by others), drilling inspection, laboratory testing, slope stability analysis, design, environmental permitting (if required), plan preparation, and cost estimating.
- **PennDOT Dowel Stagger Pile Wall Design (Greene 3012 and 3016)** – Geotechnical manager. Set up field exploration plan, field and lab data analysis, slope stability analysis, pile analysis, geotechnical report preparation, plan set preparation, and addressing comments from state agencies.
- **PA S.R. 53 Emergency Slide Repair (Design / Build) - PennDOT District 2-0** - Prepared geotechnical recommendations for an Emergency Design/Build Project for the Pennsylvania Department of Transportation (PennDOT), Engineering District 2-0. The project remediated 2 significant landslides (150 feet and 200 feet) on SR 0053 in Clearfield County, PA. Design and construction were performed in accordance with PennDOT Specifications. Reviewed the subsurface investigation data log, and recommended the geotechnical parameters for the analysis. Both walls were cantilever soldier pile walls, utilizing wide flanged, steel piles encased in concrete (caissons). Pile sizes ranged from W 24X102 to 40X215 and were socketed into approximately 10 feet of rock. The drilled soil and rock shafts ranged in diameter from 36 inches to 54 inches. Pile lengths were up to 35 feet with a maximum exposed wall height of 14 feet.
- **West Virginia Roadway Improvement Initiative, Confidential Energy Client, Various Counties** – Geotechnical Manager for 115-mile roadway improvement project in various WVDOH Districts including District 1, 2, 3, 4, and 6 that included 62 slip repair projects, as well as 100 roadway rehabilitation projects and eight bridge replacement or rehabilitation projects. Assisted in design and construction of these roadway improvement projects.
- **Slope Stability Analysis (Belmont TR 237 Shepards Hill Rd. & Belmont TR-126 Moore Run Rd., OH; Amsler Ridge Road, Beaver County, PA; CR 15, Jackson County, WV)** – Geotechnical manager responsible for setting up field exploration plan, field and lab data analysis, slope stability analysis, and geotechnical report preparation.

Carl Medvid, P.G. – Project Manager Geologist

724.338.7853 | 724.809.1884 mobile | cmedvid@stahlsheaffer.com

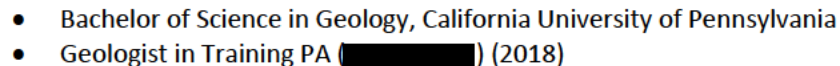


- Master of Science in Geology, The University of Akron
- Bachelor of Science in Geology, Clarion University of Pennsylvania
- Professional Geologist (P.G.) PA 2018

Mr. Medvid is a licensed professional geologist (P.G.) with seven years of experience with the responsibilities of field inspection and sample collection. Mr. Medvid is registered with OSHA 30 – General Industry Safety and Health. He has extensive experience on core sampling, Dynamic Cone Penetration (DCP) test, Electronic Density Gauge (EDG) test, and sample collection. Mr. Medvid is also involved in laboratory research projects, including a longitudinal cracking investigation and cold weather full depth reclamation study. He is a PennDOT Certified Drilling. Relevant projects include:

- **Monroe County, Ohio Slide Repairs** – Geologist for the design of 22 slide repairs as part of the County's 2018 and 2019 FEMA Repair Projects. All projects included design, survey, drilling (by others), drilling inspection, laboratory testing, slope stability analysis, environmental permitting (if required), plan preparation, cost estimating, and contract documents.
- **West Virginia Roadway Improvement Initiative, Confidential Energy Client, Various Counties** – Geological investigation of numerous landslides spanning WVDOH Districts 1, 2, 3, 4, and 6. Field duties included inspection of geologic borings, soil and rock classification, as well as inspection of slide remediation. Samples that were obtained in the field were analyzed in the AASHTO accredited soils lab. Testing consisted of natural moisture content, sieve analysis, Density, Atterberg Limits, UCS of rock samples, direct shear, triaxial strength.
- **Kinder Rd. (T-798) Bridge Replacement, North Bethlehem Township, Washington County PA** – Field duties included inspection of geologic borings, soil and rock classification, as well as inspection of slide remediation. Samples that were obtained in the field were analyzed in the AASHTO accredited soils lab. Testing consisted of natural moisture content, sieve analysis, Density, Atterberg Limits, UCS of rock samples, direct shear, triaxial strength.
- **Zorin Well Site, Geotechnical Testing for Well Pad Construction, Monroe, OH** – Field duties included staking of sampling locations, development of access roads to sampling locations, inspection of geologic borings, and soil and rock classification. Samples that were obtained in the field were analyzed in the AASHTO accredited soils lab. Testing consisted of natural moisture content, sieve analysis, Density, Atterberg Limits, UCS of rock samples, direct shear, triaxial strength. Bore logs were generated using gINT to develop the design of the well pad.
- **Greene PA, RHL-31 Well Site, Geotechnical Testing for Well Pad Construction** – Field duties included staking of sampling locations, development of access roads to sampling locations, inspection of geologic borings, and soil and rock classification. Samples that were obtained in the field were analyzed in the AASHTO accredited soils lab. Testing consisted of natural moisture content, sieve analysis, Density, Atterberg Limits, UCS of rock samples, direct shear, triaxial strength. Bore logs were generated using gINT to develop the design of the well pad.
- **Lycoming SR 44, Geotechnical testing for Slope Stability** – Field duties included inspection of the of geologic borings and the development of soil and rock classification. Bore logs were generated using gINT to develop the design of the pile wall.

724.338.7853 | 724.825.9506 mobile | stomsic@stahlsheaffer.com



Mr. Tomsic has four years of experience as a geologist for Stahl Sheaffer. His responsibilities include collection of field data, lab testing, and field inspection. Mr. Tomsic is also a PennDOT Certified Drilling Inspector and working towards becoming a Professional Geologist (2022). Relevant projects include:

- **Monroe County, Ohio Slide Repairs** – Geologist assisting in the design of 17 slide repairs as part of the County’s 2018 and 2019 FEMA Repair Projects. All projects included design, survey, drilling (by others), drilling inspection, laboratory testing, slope stability analysis, environmental permitting (if required), plan preparation, cost estimating, and contract documents.
- **Putnam WV, CR 5** – Mr. Tomsic completed geotechnical testing for slope stability of slides. Field work included: split spoon/boring/Shelby tubes collection/inspection. Mr. Tomsic completed lab work including soil and rock classification, soil densities, natural moisture content, liquid limit of soils, plastic limit of soils, and plasticity index of soils.
- **Belmont OH, CR 56** – Mr. Tomsic completed geotechnical testing for Full-Depth Reclamation for CR 56 in Belmont, OH. The field work included: Pavement Coring, DCP, Test Pit Collection. Mr. Tomsic also completed lab work including sieve analysis, proctors, UCS molds, and Atterberg Limits.
- **Marshall WV, CR21/10** – Mr. Tomsic completed geotechnical testing for slope stability. Field work included: split spoon/boring/Shelby tubes collection/inspection, and DCP. Mr. Tomsic also completed lab work including soil and rock classification, soil densities, natural moisture content, liquid limit of soils, plastic limit of soils, and Plasticity Index of soils.
- **Greene PA, RHL-31 Well Pad** – Mr. Tomsic completed geotechnical testing for well pad construction. Field work included: split spoon/boring/Shelby tubes collection/inspection, test pits, and DCP. Mr. Tomsic also completed lab work including soil and rock classification, soil densities, natural moisture content, liquid limit of soils, plastic limit of soils, and Plasticity Index of soils, UCS of rock, and direct shear.

John A. Rautzahn, P.E., CBSI, Director – Bridge/ Wall Structures

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- Master of Science in Engineering Science, The Pennsylvania State University
- Bachelor of Science in Civil Engineering, The Pennsylvania State University
- Pennsylvania () 1993; New York () 1996; West Virginia () 1999; Maryland () 2003; Florida () 2018
- NBIS Certified Bridge Safety Inspector, 1999

Mr. Rautzahn has more than 33 years of experience in the design and management of transportation projects for PennDOT, the Pennsylvania Turnpike Commission, and additional state and municipal clients. Mr. Rautzahn's overall responsibilities have included managing large bridge design projects, supervising and directing project teams, managing NBIS bridge inspection contracts, and coordinating structure and highway design efforts. Mr. Rautzahn has extensive knowledge in the requirements of the Ohio Department of Transportation, Pennsylvania Department of Transportation, the Pennsylvania Turnpike Commission, and the West Virginia Department of Transportation, as well as AASHTO, ACI, AISC, and AWS codes.

- **West Virginia Department of Transportation (WVDOT), US 340 Bridge at Harpers Ferry** – Lead bridge project engineer in charge of design for eight-span curved steel I-girder structure. Performed design and detail of R/C hammerhead piers founded on caissons, R/C abutments founded on caissons, curved steel I-girders, and MSE retaining walls.
 - **West Virginia Department of Highways (WVDOH), Corridor D & North Bridgeport Bypass** – Led bridge design of three P/S concrete bridges. Design included P/S concrete beams using LEAP software, R/C pier design, R/C integral abutment design, and MSE wall adequacy review and detailing.
- **West Virginia Department of Highways (WVDOH), Littleton & Watersnake Bridge Replacements** – Bridge project management and design of two three-span steel girder structures. Both projects consisted of the design of straight steel I-girders, utilizing HPS 72W steel, supported on R/C wall piers and semi-integral abutments. Severe skew on both structures required 2D and 3D modeling.
- **PennDOT District 2-0, SR 2007-A01 Bridge Replacement, Mifflin County** – Project management for bridge replacement project.
- **PennDOT District 2-0, SR 219-A06/A07 Culvert Replacement, Clearfield County** – Project management for culvert replacement project.
- **PennDOT District 2-0, SR 80 Section B18 Bridge Design, Centre County** – Bridge project management and lead design of seven new bridge structures and three culverts, which included single and multi-span P/S concrete and multi-span curved steel I-girders.
- **PennDOT District 2-0, SR 6026 Bridge Design, Centre County** – Led bridge design for five structures. Projects included P/S concrete, curved steel I-girders, and integral steel box cross girder.

John Weaver, P.E., CBSI, NCTI – Structural Engineer

814.205.4012 ext 205 | 814.952.0930 mobile | jweaver@stahlsheaffer.com



- Bachelor of Science in Civil Engineering, The Pennsylvania State University
- Professional Engineer (P.E.): PA (██████████) 2015, OH (██████████) 2018, WV (██████████) 2019
- NBIS Certified Bridge Safety Inspector, 2015
- National Tunnel Safety Inspector, National Highway Institute, 2016

Mr. Weaver is a Senior Engineer responsible for the analysis, design, and inspection of bridges and transportation facilities. Mr. Weaver's technical background includes steel, precast concrete, prestressed concrete, and reinforced concrete design using American Association of State Highway and Transportation Officials (AASHTO), American Institute of Steel Construction (AISC), and American Concrete Institute (ACI) codes. Relevant projects include:

- **PA S.R. 53 Emergency Slide Repair (Design / Build), PennDOT District 2-0** – Structural Designer responsible for performing activities associated with an Emergency Design/Build Project for the Pennsylvania Department of Transportation (PennDOT), Engineering District 2-0. The project remediated 2 significant landslides (150 feet and 200 feet) on SR 0053 in Clearfield County, PA. Design and construction were performed in accordance with PennDOT Specifications. Developed a Foundation Design Report summarizing the results of the subsurface investigations, geotechnical analyses, and recommendations. Both walls were cantilever soldier pile walls, utilizing wide flanged, steel piles encased in concrete (caissons); Pile sizes ranged from W 24X102 to 40X215 and were socketed into approximately 10 feet of rock. The drilled soil and rock shafts ranged in diameter from 36-inches to 54-inches. Pile lengths were up to 35 feet with a maximum exposed wall height of 14 feet. Performed field inspection approving top of rock elevations prior to pile and concrete placement.
- **Design Services for Hagerman Road Roadway Improvements, Lycoming County, PA, Seneca Resource Cooperation** – Project Administrator providing oversight and quality control for the design of three aluminum plate pipe arch culvert extensions and a geosynthetic reinforced soil retaining wall. Culvert extensions were proposed due to the existing culverts not providing adequate clear zones to allow traffic to pass over top. In addition, one of the culvert's dry stacked stone headwalls was beginning to fail. At the outlet and inlet end of the extensions new cast-in-place headwalls and wingwalls were provided. The existing retaining was poorly constructed leading to scour causing a 40-foot section to fail. The wall was designed in a manner to utilize as many of the existing precast retaining wall blocks as possible. The wall was able to be shortened by approximately 40' after making several geometry adjustments. The design calculations were reviewed to ensure appropriate AASHTO and DM-4 codes were followed. The contract drawings were reviewed for completeness, plans presentation, conveyed the design correctly, and that PennDOT standards were followed. Additionally, the quality of the structure design, footing design, drafting, cost estimation and special provisions was ensured through the project.
- **Pennsylvania Turnpike Commission, Open-End Agreement, Bridge Structure Repair Work Orders** – Project Administrator providing design support and project oversight for three bridges carrying the Pennsylvania Turnpike. Repairs include barrier removal and replacement, fiber-wrapping beams, joint repair, bridge deck repairs and placement of scour protection. Project responsibilities included overseeing and the reviewing the plans, estimate and special provisions.

Section 3 – Project Experience

West Virginia Roadway Improvement initiative (WVRII), Various Counties, WV

Stahl Sheaffer served as the lead design engineering firm on a project that included various public roadway improvement projects encompassing 115 miles located in several WVDOH Districts (1, 2, 3, 4 & 6). The work involved 62 slide repair projects, approximately 100 roadway upgrade projects, and 10 bridge replacement or rehabilitation projects. Stahl Sheaffer completed the geotechnical inspection and design, survey, DOT permitting, environmental permitting, and project bidding for these projects. The total construction cost of the initiative was \$75M.

The remediation design of the 62 slide repair projects utilized slope rehabilitation, pile and lagging walls, and soil nails. Stahl Sheaffer performed construction inspection services with our five qualified slide repair inspectors (two of which are degreed geologists). The slide repair projects varied in size from 100 ft to 350 ft in length and ranged in cost from \$160,000 to \$1.5M per slide repair.



Wirt County, WV – CR 5/3 Slide Repair/Road Improvements

Stahl Sheaffer was the prime engineering consultant for this slide repair project that consisted of improving the stability of the roadway by installing a pile and lagging wall to address an approximately 210-foot-long embankment slide.



Before Slide Repair on CR 5/3



After Slide Repair on CR 5/3

Doddridge County, WV – CR 30 Slide Repair/Road Improvements

Stahl Sheaffer was the prime engineering consultant for this road improvement and slide repair project that included the following:

Culvert – Replaced two existing drainage culverts with corrugated pipe that were failing along Doddridge CR 30.

Curve Widening – Enhanced the ability for larger vehicles to maneuver around curves which improved the safety of the roadway by eliminating or reducing trailer off-tracking and trucks encroaching into opposing lanes of traffic.

Slide Repair – Improved the stability of the roadway by installing soil nails to address two slides along the roadway at mile post 3.029 and 3.57.

Pull-off Widening – Constructed pull-off widenings to enable large vehicles to pass each other along the narrow roadway.



Slide Repair During Construction



Slide Repair Completed

Monroe County, Ohio Slip Repairs

To date, Stahl Sheaffer has designed 22 slip repairs for nearby Monroe County, OH; four as part of the County's 2018 FEMA Repair Projects, and 18 as part of the 2019 FEMA Repair Projects. All these projects included complete design: survey, drilling (by others), drilling inspection, laboratory testing, geotechnical engineering design (including slope stability analysis), environmental permitting (if required), plan preparation, and engineer's cost estimate.

Stahl Sheaffer has also provided geotechnical reports for 11 other slip locations in Monroe County, as part of the 2020 EMA Repair Projects. The County plans to use the information in these reports to perform "in-house" slip repair designs.

All these repairs were designed as pile and lagging walls. See photos below:



PA SR 53 Emergency Slide Repair (Design / Build) - PennDOT District 2-0

Stahl Sheaffer managed an Emergency Design/Build Project for the Pennsylvania Department of Transportation (PennDOT), Engineering District 2-0. The project remediated two significant landslides (150 feet and 200 feet) on SR 0053 in Clearfield County, PA. Design and construction were performed in accordance with PennDOT Specifications. We developed a Foundation Design Report summarizing the results of the subsurface investigations, geotechnical analyses, and recommendations. Both walls were cantilever soldier pile walls, utilizing wide flanged, steel piles encased in concrete (caissons); pile sizes ranged from W 24X102 to 40X215 and were socketed into approximately 10 feet of rock. The drilled soil and rock shafts ranged in diameter from 36-inches to 54-inches. Pile lengths were up to 35 feet with a maximum exposed wall height of 14 feet. Stahl Sheaffer also performed field inspection approving top of rock elevations prior to pile and concrete placement.



Before Slide Repair on SR 53



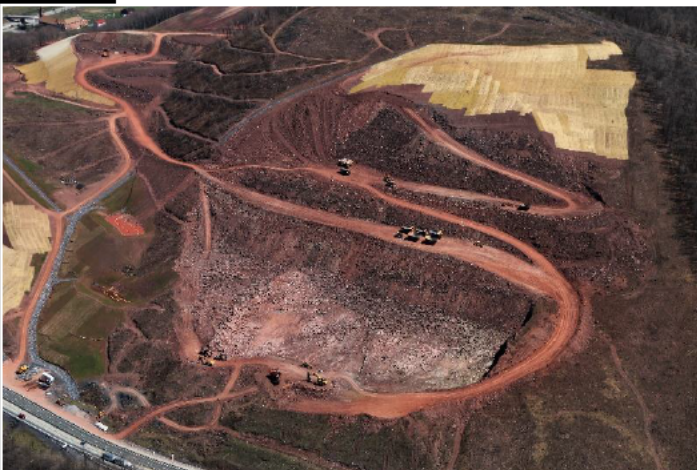
After Slide Repair on SR 53

New Baltimore Slide Remediation CM & CI, New Baltimore, PA

Stahl Sheaffer Engineering began providing construction management and construction inspection services to the Pennsylvania Turnpike Commission for the \$78M remediation of the New Baltimore Slide at the beginning of 2013.

This is a major slide mass that has caused maintenance and safety problems for the PTC since its original construction in the late 1930's. The method used to repair this 2.2M CY ancient landslide was the first known remediation of its type. The early involvement of Stahl Sheaffer personnel enabled the firm to facilitate onsite activities, such as test blast studies and the implementation of a robotic total station laser surveying system. This system provides continuous 24-hour monitoring of the slide and provides real time coordinates of over 100 permanent prism locations on the slide, accurately monitoring movements in the slide before and during construction. Stahl Sheaffer is responsible for viewing the information daily.

In April 2018, Stahl Sheaffer received the APC Partnering Award honoring organizations in the highway and bridge construction industry for their outstanding achievements through consummate application of partnering principles and processes.



Section 4 – Client References

West Virginia Division of Highway (D-1)

Mr. Zach Holley
Design Engineer
1340 Smith Street
Charleston, WV 25301-1492
304.558.3001

West Virginia Division of Highway (D-4)

Mr. Josh Vincent
Design Engineer
I-79 & Meadowbrook Road
Clarksburg, WV 26302-2570
304.842.1500

Monroe County, Ohio

Ms. Amy Zwick P.E., P.S.
Monroe County Engineer
101 North Main Street, Room 24
Woodsfield, OH 43793-1097
740.472.0763

College Township, PA

Ms. Amy Kerner, P.E., Township Engineer
1481 East College Avenue
State College, PA 16801
814.231.3021

Snyder County Commissioners

Mr. Joseph Kantz, Chairman
9 West Market Street
Middleburg, PA 17842
570.837.4207

West Virginia Division of Highway (D-3)

Mr. Bart Schumacher
Design Engineer
624 Depot Street
Parkersburg, West Virginia 26101
304.420.4595

West Virginia Division of Highway (D-6)

Mr. Derek Weichlein
Design Engineer
1 DOT Drive
Moundsville, West Virginia 26041-1605
304.843.4000

Pennsylvania Turnpike Commission

Mr. Donald Klingensmith, P.E.
PA Turnpike Commission
P.O. Box 67676
Harrisburg, PA 17106-7676
717.939.9551, ext. 5590

Ferguson Township

Mr. David J. Modricker, P.E., Director
Public Works
3147 Research Drive
State College, PA 16801
814.238.4651

State College Borough

Mr. Aaron Jolin, P.E., Borough Engineer
243 South Allen Street
State College, PA 16801
814.234.7140

Section 5 – Project Approach to Goals & Objectives

Stahl Sheaffer is pleased to express our interest to provide surveying services, environmental investigation and permitting, geotechnical investigation, laboratory testing services, geotechnical analysis/design, pavement design, and permitting services for this slip repair project on South Gate Access Road at Camp Dawson. The intent of this project is to provide WV State Purchasing Division/West Virginia Army National Guard, Construction and Facilities Management office with a complete design by all required engineering disciplines, to prepare thorough bid documents for stabilizing and rebuilding the roadway along with remediating and protecting the stream below. It is anticipated that the complete design package will include required environmental permits, NEPA documentation, and a plan package consisting of a geotechnical report, pavement design report, roadway slip repair plan set, roadway construction plan set, stream restoration plan, and an erosion and sedimentation control plan. Stahl Sheaffer is committed to preparing drawings, specifications and estimates for the 35%, 65%, 95%, and 100% design milestones. Submissions will be delivered digitally only, except for the 100% submission which will be delivered both digitally and three (3) hard copies.

The following sections provide a summary of our scope of work.

5.1 Topographic & Boundary Site Survey

Stahl Sheaffer will perform a topographic and boundary survey to capture necessary data to develop the proposed site, grading, and slip repair design as detailed below:

- Stahl Sheaffer will contact the WV One Call system for utility information. After the initial contact, we will follow up with individual utilities and provide them with maps depicting the proposed area of permitting. Utilities marked in the field will be located during a field survey of the site.
- Stahl Sheaffer will develop and provide Client Notice of Intent to Enter letters for adjoining landowners for execution.
- Stahl Sheaffer will tie enough boundary line evidence down to determine the extent of properties involved and to determine what properties are affected by the construction activities.
- Stahl Sheaffer will coordinate with the West Virginia Division of Highways (WVDOH) to determine existing roadway right-of-way, perform needed deed research, and plot existing right-of-way on the basemapping
- Stahl Sheaffer will perform a complete topographic survey, along with spot elevations covering the area affected by the proposed construction.
- Stahl Sheaffer will locate existing features such as the following within the limit of survey:
 - Roadway
 - Limits of slide and embankment failure
 - Stream features and characteristics
 - Structures, building, walls, and fences
 - Driveways, roads, curb lines, edge of pavement/gravel
 - Utilities, concluding but not limited to:
 - Telephone, light power poles

- Sanitary sewer manholes with rim and invert elevations, pipe diameters and their respective easements
- Storm drainage structures rims and invert elevations and pipe diameters
- Water hydrants and valves and their respective easements if publicly recorded
- Existing utilities, gas, phone, cable, and electric
- Deliverables will consist of 1" = 50' scale drawings or smaller in a current version of AutoCAD showing two-foot contour intervals and will be tied to the appropriate current West Virginia State Plane Datum.
- Two (2) benchmarks will be set on the site for use during the construction phase.

5.2 Environmental Investigation and Permitting

Due to the impacts to the adjacent stream noted in the request for Expressions of Interest (EOI), Stahl Sheaffer will perform an environmental investigation to determine the existing impacts to the stream, perform wetland identification and delineation, determine best course remediation, and identify permit needs. If federal funds will be used for the project, Stahl Sheaffer will ensure compliance with the National Environmental Policy Act (NEPA) and provide required NEPA documentation. The need for permits, such as a floodplain permit, stream activity permit, and nationwide general permits will be evaluated based upon the proposed work. Stahl Sheaffer will prepare required permit applications and supporting documentation for review and approval by the respective agencies. Approved permits will be included in the construction bid documents.

5.3 Geotechnical Subsurface Exploration

Based on the request for EOI document received on August 5, 2021, the slip affects approximately 200 linear feet of roadway on the South Gate Access Road. Five (5) test borings are proposed, in general accordance with ASTM D1586, within the footprint of the planned slip repair. If a steep slope is encountered, clearing and benching may be necessary to safely perform borings. The drilling depths will range from 20 to 40 feet below existing surface grades. The depths will be determined by the depth of rock. The boring locations will be updated once Stahl Sheaffer performs a field view. Should additional boring locations / deeper borings / additional coring be necessary, Stahl Sheaffer will discuss any revisions to the scope of services with the WV State Purchasing Division.

The following items are included in this scope of work:

- Prepare, submit, and coordinate with the WV State Purchasing Division/West Virginia Army National Guard to obtain a permit, if necessary, to perform soil borings within the legal right-of-way.
- Provide a qualified drilling inspector to direct all subsurface drilling and sampling.
- Perform continuous split spoon sampling to refusal (estimated 25 feet below ground surface) and perform Standard Penetration Testing (SPT) at six (6) inch intervals. Soil samples will be procured.
- Perform rock coring (if obstructions are encountered) to predetermined depths (estimated 15 feet into rock). Rock Quality Designation (RQD) and Percent Recovery will be determined from the rock core samples.
- Collect two (2) Shelby Tube Samples, if possible, for Direct Shear Testing.
- Collect Bag Samples for lab Proctor Tests.

- Visually inspect the boring samples to identify potentially unsuitable construction materials or conditions, such as, but not limited to, organic soil, expansive soil, and mine reclamation fill.
- Record a 360° video of the project site (available to the client following the field view).
- Collect photographic documentation of the project site and findings.
- Ensure that all the borings will be grout backfilled upon completion.
- Take ground water table measurements (0 hrs. and 24 hrs.).
- Provide digitized boring logs.

5.4 Geotechnical Laboratory Testing

Stahl Sheaffer will provide geotechnical laboratory testing on the representative boring samples. All the laboratory tests will be performed at Stahl Sheaffer's AASHTO re:source (AMRL)-accredited geotechnical lab. The following laboratory tests are included in this scope of work:

- Water (Moisture) Content of Soil and Rock by Mass (ASTM D2216)
- Sieve Analysis of Fine and Coarse Aggregate (ASTM C136)
- Amount of Material in Soils Finer than No. 200 (ASTM D1140)
- Atterberg Limits (ASTM D4318)
- Standard Practice for Classification of Soils for Engineering Purposes (ASTM D2487)
- Direct Shear of Soil (D3080)
- Laboratory Compaction Characteristics (Proctor) for in-situ soil (D698)
- Unconfined Compressive Strength (UCS) of Rock (ASTM D7012)

5.5 Geotechnical Analysis and Report

Stahl Sheaffer will review the survey, field data, and lab test results; perform the slope stability analysis; compare various repair alternatives, in terms of constructability, cost, Right-of-Way, protection of the stream below the site, etc.

Stahl Sheaffer will prepare a geotechnical report, including the field exploration findings, laboratory testing results, and geotechnical analysis / design of retaining structure, along with the recommended repair option. The draft of the geotechnical investigation report will be submitted to WV State Purchasing Division for review and comment. Upon receipt of any comments, the report will be revised and finalized.

5.6 Pavement Design

Stahl Sheaffer will perform, and present, a pavement design in accordance with AASHTO Guide for Design of Pavement Structures. This pavement design will utilize traffic loads, sizes, and volumes as supplied by WV State Purchasing Division, and the geotechnical results from the subsurface investigation and lab testing. The results of the pavement design, and a recommendation concerning material and placement depth will be included in the Pavement Design Report.

Drafts of the Pavement Design report will be submitted to WV State Purchasing Division and/or Camp Dawson project team for review and comment. Upon receipt of comments, the report will be finalized.

5.7 Design Plan Set, Specifications, and Estimates

Stahl Sheaffer will develop and deliver to WV State Purchasing Division a roadway slip repair plan set, which we anticipate including a roadway slip repair plan set, roadway construction plan set, stream restoration plan, traffic control plan, and an erosion and sedimentation control plan at a minimum. Drawings will be prepared in accordance with WVDOH standards and specifications and will incorporate the design elements necessary to stabilize the roadway embankment, reconstruct the affected roadway section ensuring it can accommodate the design vehicle loadings, remediate the impacts to the adjacent stream, and protect the stream from future impacts in the project area. Final plans and specifications will be sealed by a West Virginia Registered Professional Engineer.

Our project manager and lead geotechnical engineer, along with other required staff, will attend a kick-off meeting with the Camp Dawson project team to discuss the project and goals prior to proceeding with the work to ensure the desired project outcomes are clearly defined and understood by our team. It is anticipated that additional meetings will be held throughout the design process to review progress, make team decisions on design elements, and address any unforeseen issues that may arise during investigations. Open and effective communication throughout the design and permitting process will help expedite the project process, prevent rework, and ensure a final product that meets or exceeds the expectations of the project team.

Stahl Sheaffer will coordinate with the WVDOH, if required, to obtain needed approvals and permitting should they have any jurisdiction over the South Gate Access Road. If required, an MM-109 permit application will be prepared and submitted to the WVDOH along with the complete plan package for review and approval.

According to the request for EOI document received on August 5, 2021, drawings, specifications, and cost estimates will be submitted at 35%, 65%, 95% and 100% design milestones. Stahl Sheaffer will submit 35%, 65% and 95% drawings and specifications digitally; 100% construction documents will be submitted both digitally and 3 hard copies.

The following items are included in this scope of work for creating a permit application:

- Coordinate with the WV State Purchasing Division/West Virginia Army National Guard and/or the WVDOH to determine the legal right of way width and existing roadway material.
- Prepare the MM109 Permit application, Location Map, Roadway and Slip Repair Details, Summary of Quantities, Traffic Control Plan, Plan Sheet, bid documents and all applicable design and construction notes.
- The delivery package will be stamped by a West Virginia Registered Professional Engineer.

Appendix A

**Signature Sheets, Additional Terms and Conditions, Purchasing Affidavit,
Insurance and Workers Compensation Certificate**



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

State of West Virginia
Centralized Expression of Interest
Architect/Engr

Proc Folder: 915025

Doc Description: South Gate Road Slip Stabilization Design-Camp Dawson

Reason for Modification:

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2021-07-28	2021-08-12 13:30	CEOI 0603 ADJ2200000003	1

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code:

Vendor Name :

Address :

Street :

City :

State :

Country :

Zip :

Principal Contact :

Vendor Contact Phone:

Extension:

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

ADDITIONAL INFORMATION

The West Virginia Purchasing Division, for the agency, the West Virginia Army National Guard, Construction and Facilities Management Office, is soliciting Expressions of Interest from qualified firms to provide professional design services to develop construction documents to address the second South Gate Road Slip Stabilization, at Camp Dawson, WV, per the attached documentation.

INVOICE TO	SHIP TO
ADJUTANT GENERALS OFFICE 1707 COONSKIN DR CHARLESTON WV 25311 US	CAMP DAWSON ARMY TRAINING SITE 240 ARMY RD KINGWOOD WV 26537-1077 US

Line	Comm Ln Desc	Qty	Unit Issue
1	South Gate Road Slip Stabilization Design-Camp Dawson		

Comm Code	Manufacturer	Specification	Model #
81101508			

Extended Description:

Provide professional architectural and engineering design services per the attached documentation.

SCHEDULE OF EVENTS

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
-------------	--------------	-------------------

	Document Phase	Document Description	Page 3
ADJ2200000003	Final	South Gate Road Slip Stabilization Design-Camp Dawson	

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

ADDITIONAL TERMS AND CONDITIONS
(Architectural and Engineering Contracts Only)

1. PLAN AND DRAWING DISTRIBUTION: All plans and drawings must be completed and available for distribution at least five business days prior to a scheduled pre-bid meeting for the construction or other work related to the plans and drawings.

2. PROJECT ADDENDA REQUIREMENTS: The Architect/Engineer and/or Agency shall be required to abide by the following schedule in issuing construction project addenda. The Architect/Engineer shall prepare any addendum materials for which it is responsible, and a list of all vendors that have obtained drawings and specifications for the project. The Architect/Engineer shall then send a copy of the addendum materials and the list of vendors to the State Agency for which the contract is issued to allow the Agency to make any necessary modifications. The addendum and list shall then be forwarded to the Purchasing Division buyer by the Agency. The Purchasing Division buyer shall send the addendum to all interested vendors and, if necessary, extend the bid opening date. Any addendum should be received by the Purchasing Division at least fourteen (14) days prior to the bid opening date.

3. PRE-BID MEETING RESPONSIBILITIES: The Architect/Engineer shall be available to attend any pre-bid meeting for the construction or other work resulting from the plans, drawings, or specifications prepared by the Architect/Engineer.

4. AIA DOCUMENTS: All construction contracts that will be completed in conjunction with architectural services procured under Chapter 5G of the West Virginia Code will be governed by the attached AIA documents, as amended by the Supplementary Conditions for the State of West Virginia, in addition to the terms and conditions contained herein. The terms and conditions of this document shall prevail over anything contained in the AIA Documents or the Supplementary Conditions.

5. GREEN BUILDINGS MINIMUM ENERGY STANDARDS: In accordance with West Virginia Code § 22-29-4, all new building construction projects of public agencies that have not entered the schematic design phase prior to July 1, 2012, or any building construction project receiving state grant funds and appropriations, including public schools, that have not entered the schematic design phase prior to July 1, 2012, shall be designed and constructed complying with the ICC International Energy Conservation Code, adopted by the State Fire Commission, and the ANSI/ASHRAE/IESNA Standard 90.1-2007: Provided, That if any construction project has a commitment of federal funds to pay for a portion of such project, this provision shall only apply to the extent such standards are consistent with the federal standards.

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.



(Name, Title)

Timothy Kinder, PLS, CFM - WV Operations Manager

(Printed Name and Title)

250 Lakewood Center, Morgantown, WV 26508

(Address)

304.381.4281 / 304.381.4299

(Phone Number) / (Fax Number)

tkinder@stahlsheaffer.com

(email address)

CERTIFICATION AND SIGNATURE: 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.

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.

Stahl Sheaffer Engineering, LLC

(Company)



(Authorized Signature) (Representative Name, Title)

Timothy Kinder, PLS, CFM - WV Operations Manager

(Printed Name and Title of Authorized Representative)

August 12, 2021

(Date)

304.381.4281 / 304.381.4299

(Phone Number) (Fax Number)

STATE OF WEST VIRGINIA
Purchasing Division
PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: 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: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, 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: Stahl Sheaffer Engineering, LLC

Authorized Signature:  Date: 8/12/2021

State of Pennsylvania

County of Washington, to-wit:

Taken, subscribed, and sworn to before me this 12 day of August, 2021.

My Commission expires June 22, 2022.

AFFIX SEAL HERE

Commonwealth of Pennsylvania - **NOTARY PUBLIC**
Molly Ann Moore, Notary Public
Allegheny County
My commission expires June 27, 2022
Commission number 1115087
Member, Pennsylvania Association of Notaries

Molly Ann Moore
Purchasing Affidavit (Revised 01/19/2018)



STAHSHE-01

SMITA1

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

8/10/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Frost & Conn, Inc. 1301 North Atherton St Suite 3 State College, PA 16803	CONTACT NAME	
	PHONE (A/C, No, Ext) (814) 237-1492	FAX (A/C, No) (814) 234-0389
	E-MAIL ADDRESS	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A Cincinnati Insurance Co	NAIC # 10677
	INSURER B Cincinnati Indemnity Company	23280
INSURED Stahl Sheaffer Engineering LLC 301 Science Park Rd., Ste. 333 State College, PA 16803	INSURER C Admiral Insurance Company	
	INSURER D ACE American Insurance Company	22667
	INSURER E	
	INSURER F	

COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE L MIT APPL ES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER: General Aggregate	X		ECP 0141431	5/15/2021	5/15/2022	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	X		ECP 0141431	5/15/2021	5/15/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$	X		ECP 0141431	5/15/2021	5/15/2022	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ \$ 5,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y / N If yes, describe under DESCRIPTION OF OPERATIONS below		N / A	EWC 0430260	5/15/2021	5/15/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACC DENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Professional Liabili			EO000032189	2/1/2021	2/1/2022	Each Claim \$ 5,000,000
D	Commercial Umbrella			USL006465212	5/15/2021	5/15/2022	Excess Comm. Umbrell \$ 5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER**CANCELLATION**

West Virginia Army National Guard
1707 Coonskin Drive
Charleston, WV 25311

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Christina J. Smith