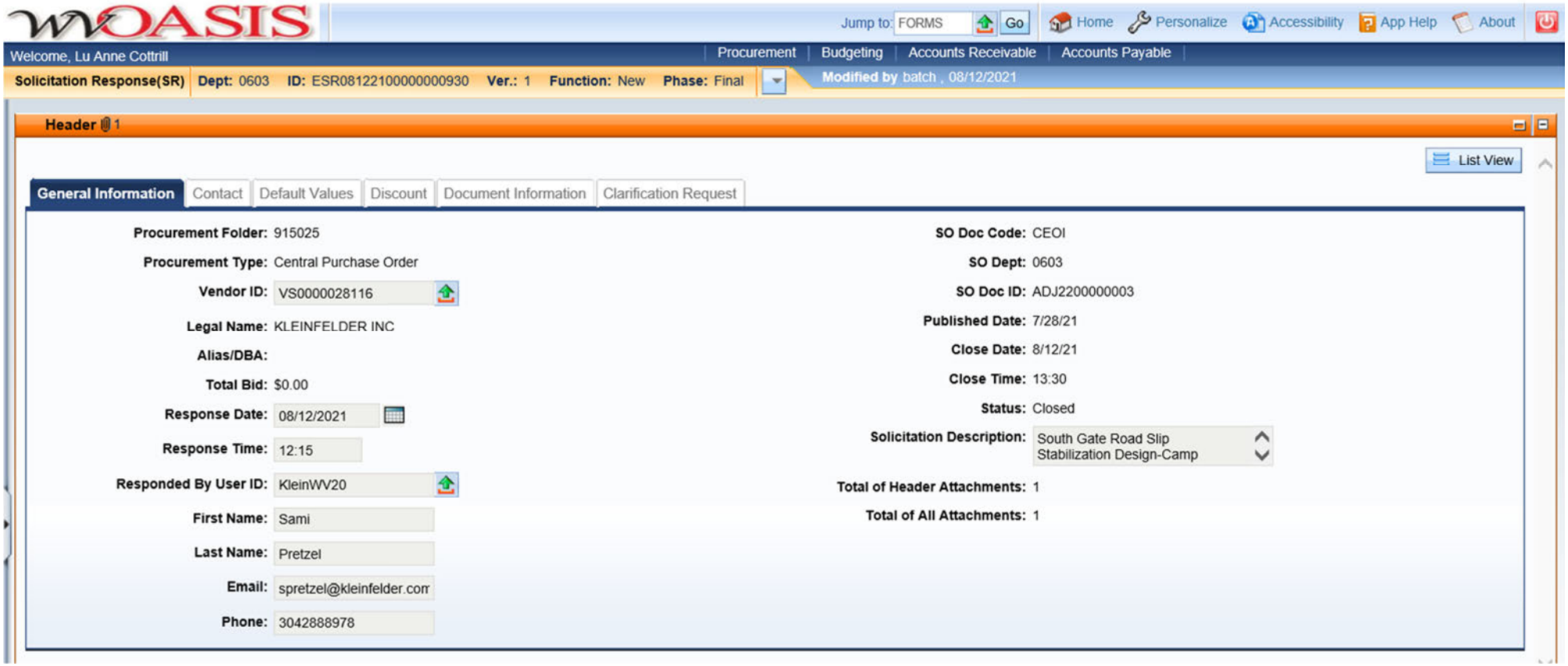
The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency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


WVOASIS
Jump to: FORMS Go
Home
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About
Welcome, Lu Anne Cottrill
Procurement
Budgeting
Accounts Receivable
Accounts Payable
Solicitation Response(SR) Dept: 0603 ID: ESR08122100000000930 Ver.: 1 Function: New Phase: Final
Modified by batch , 08/12/2021
Header 1
List View
General Information
Contact
Default Values
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Document Information
Clarification Request
Procurement Folder: 915025
Procurement Type: Central Purchase Order
Vendor ID: VS0000028116
Legal Name: KLEINFELDER INC
Alias/DBA:
Total Bid: $0.00
Response Date: 08/12/2021
Response Time: 12:15
Responded By User ID: KleinWV20
First Name: Sami
Last Name: Pretzel
Email: spretzel@kleinfelder.com
Phone: 3042888978
SO Doc Code: CEOI
SO Dept: 0603
SO Doc ID: ADJ2200000003
Published Date: 7/28/21
Close Date: 8/12/21
Close Time: 13:30
Status: Closed
Solicitation Description: South Gate Road Slip Stabilization Design-Camp
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:	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 ESR08122100000000930	1

VENDOR

VS0000028116
KLEINFELDER INC

Solicitation Number: CEOI 0603 ADJ2200000003

Total Bid: 0 **Response Date:** 2021-08-12 **Response Time:** 12:15:19

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	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

Prepared for:

State of West Virginia

on behalf of West Virginia Army National Guard

August 12, 2021

KLEINFELDER
Bright People. Right Solutions.

180 White Oaks Blvd., Suite 110
Bridgeport, WV 26330
Phone: 304.933.3345

August 12, 2021

Bid Clerk
Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, West Virginia 25305

SUBJECT: **Centralized Expression of Interest (EOI) A/E**
Solicitation # CEOI 0603 ADJ2200000003 V1
South Gate Road Slip Stabilization Design
Camp Dawson, Preston County, West Virginia

Greetings:

Kleinfelder genuinely appreciates the opportunity to submit our Expression of Interest (EOI) for this important project. We can provide the Army National Guard at Camp Dawson with the service it deserves. Our extensive experience in landslide mitigation and roadway design and repair is paired with local resources to meet West Virginia's goals. Kleinfelder is an international consulting firm with the backing of resources that allow us to choose the right people for the job. These resources are in addition to our local office staffed with West Virginians ready to do West Virginia's work.

Kleinfelder appreciates the opportunity to provide the State of West Virginia with its professional services and look forward to working with you on this project. Should you have any questions or require any revisions to our package, please contact Josh Diaz, PE, Project Manager at 304.276.7756 or jndiaz@kleinfelder.com.

Respectfully submitted,
KLEINFELDER, INC.

Josh Diaz, PE
Project Manager

Samantha Pretzel, PE
Principal-in-Charge

TABLE OF CONTENTS

Section

List of Appendices

01 QUALIFICATIONS AND EXPERIENCE

Firm Overview

Since its founding in 1961, Kleinfelder's reputation as an innovative industry leader is based on the high-quality work we've performed on a large inventory of environmental, engineering, scientific, technical, and construction management projects for clients in many market segments, delivering services that support every phase of our client's project life cycles. We have the expertise, depth and breadth of experience, and capabilities to serve your needs with unrivaled service.

It is Kleinfelder's commitment that we will provide WV ARNG with fit-for-purpose de ign s lutions for the South Gate Road Slip Stabilization Des gn for Camp Dawson project, and we understand that it is essential to provide competent and qualified personnel assigned consistently each and every time. Kleinfelder understands that it is essential to provide services to in accordance with established guidelines; develop and apply innovative alternatives as applicable to reduce costs and conduct all activities in a safe manner

The following pages provide an overview of our Service Capabilities that are relevant to the scope of work for the South Gate Road Slip Stabilization Design Project.

Our diverse staff of geotechnical, civil, and materials engineers, as well as earth scientists and computer specialists provides a wide range of technical resources and a depth of professional experience to fit our clients' project requirements. Our diverse geography provides an added benefit of local experience which results in cost-effective and timely service.

Kleinfelder in a Snapshot

60 YEARS

More than Five Decades and Growing

2,400 Employees

85

Offi e in the U.S., Canada & Australia

KE MARKETS

PRIVATE SECTOR (ENERGY, FACILITIES, INDUSTRIAL)

PUBLIC SECTOR (STATE, LOCAL, TRANSPORTATION)

WATER

Lucas Valley Slide Road Repair

Slope Stability

Whether a river bank, levee, embankment, hillside, or mountainside, Kleinfelder understands the complex nature of native and constructed slopes in both rock and soil. Our professionals add value to a wide range of projects in both built and natural environments through integration and application of earth sciences into engineering, design, forensics, and construction processes.

Services within our practice include:

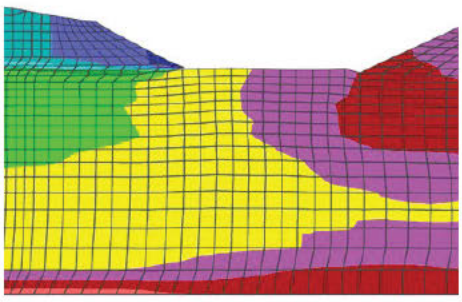
- Slope stability analysis and design
- Landslide assessment and mitigation
- Rockfall hazard assessment and slope stabilization
- Geologic characterization and hazards assessment
- Earthquake engineering
- Hillside earthwork
- Karst and void characterization
- Stream and river (fluvial) geomorphology
- Geologic and geomorphic mapping
- Aerial photograph and imagery analysis
- Retaining wall and reinforced soil slope design
- Ground improvement design
- Fault Investigations
- Helicopter, remote access, and over-water (barge) drilling
- Surface and borehole geophysics
- In-situ test methods

EXPERTISE THROUGHOUT THE LIFE CYCLE

Kleinfelder's team of slope stability experts includes engineering geologists, geotechnical engineers, construction professionals, structural engineers, civil engineers, and asset management specialists experienced in the specific demands of earth and rock slopes. Our collaborative culture promotes a life-cycle based approach at every stage of the project. Kleinfelder's professionals provide comprehensive, state of the practice assessment and design services tailored to each project.

EXCEPTIONAL TECHNICAL SKILLS AND EXPERIENCED LEADERSHIP

Kleinfelder's specialists use information developed from field and laboratory testing to develop multiple project-appropriate parallel analyses to model, analyze, and design planned modifications to a slope. Our experts draw on their experience with projects world-wide to deliver pre-project hazard assessments, design-level investigations/analyses, plan production, construction support, and asset management.



Seismic displacement analysis

Natomas Levee – slurry wall installation

Geotechnical Engineering

Our diverse staff of geotechnical, civil, and materials engineers, as well as earth scientists and computer specialists provides a wide range of technical resources and a depth of professional experience to fit our clients' project requirements. Our diverse geography provides an added benefit of local experience which results in cost-effective and timely service.

Laboratory Testing

- Our fully certified laboratories and staff have capabilities ranging from simple soil characterization to intricate triaxial and permeability testing.

Kleinfelder's geotechnical engineering services are founded on responsive personal attention and delivery of technical excellence.

STABILITY AND SAVINGS

Working with project partners as part of our clients' design teams, Kleinfelder provides focused geotechnical services within schedule requirements. We also strive to develop alternatives that may offer opportunities for construction costs savings. Kleinfelder supports successful project construction through our soils and material testing services. Our field staff and laboratories are fully certified to provide materials testing and inspection in compliance with project requirements and local building codes. As a result, our professionals have the training, knowledge, project experience, and resources to perform a wide array of geotechnical services.

GEOTECHNICAL SERVICES

Site Investigations - The depth of our capabilities allows us to match the appropriate level of investigation to the project. Our typical to highly sophisticated methods involve conventional drilling, cone penetration, in-situ testing, geophysical, downhole instrumentation, and excavation methods as appropriate.

Foundation Engineering - We match the type of foundation system to the needs of the project team, schedule, budget, and the subsurface conditions we encounter. Our proven experts are knowledgeable about all aspects of foundation types, including driven piles, shallow footings, surcharging, drilled piers, specialty foundation systems, soil and concrete mats, and proven as well as experimental soil improvement measures.

Geotechnical Engineering

Specialty Designs:

- We work on roadways, civil projects, "green" construction, channels, tunnels, design built projects, instrumentation construction management, and waterway reconstruction.

Foundation Engineering:

- We match the type of foundation system to the needs of the project team, schedule, budget, and the subsurface conditions we encounter.

Engineering Geology Services

- **Earth retention** - Our earth retention designs involve evaluation of existing retention structures such as dams and levees, as well as new structures. We also provide design criteria for convention and specialty shoring systems, including sheet pile, soldier beam and lagging, shotcrete, soil nailing, rock bolting, soil/cement columns, and geogrid systems. We can also provide dewatering evaluations.
- **Slope stability evaluations** - Our work is based on geologic and geotechnical experience combined with analyses ranging from "back-of-the-envelope" calculations to three-dimensional computer programs to finite differential modeling. Our analysis is based on a proven working relationship with our geologic staff. We can model the various types of materials such as rock, soil, and intermediate materials. Our field experience brings an added element of strengthened capabilities.
- **Earthquake engineering** - Our latest approaches and models, such as probability and risk-based analyses, were developed internally and by internationally recognized experts.
- **Geohazards evaluations** - These evaluations include seismic conditions, flooding, expansive soils, soft and compressible soils, rock hardness, liquefaction, dynamic settlement, tsunami, seiches, stability of existing slopes, and lateral spreading.

Civil Engineering

Kleinfelder understands how successfully designed facilities can tie buildings together with the site, utility, and infrastructure networks that support the structures as well as the people who use them. Our collaborative design process is critical in connecting the building and "invisible needs" that underlie new construction or site renovations.

Services within our practice include:

- Site Development
- Stormwater Management
- Sustainable Design
- Utility Relocation and Site Enabling
- Utility Design
- Roadway and Parking Design
- Pavement Engineering
- Land-use Planning and Site Design
- Urban Planning and Design
- 3D Modeling and Visualization
- Geographic Information Systems (GIS)
- Community Relations
- Environmental Permitting
- Construction Oversight
- Capital Improvement Planning
- Resident Engineering

MULTI-DISCIPLINARY APPROACH

Kleinfelder's unique combination of planners, architects, engineers, and scientists enables our projects to include all critical infrastructure, together with any environmental or permitting constraints, from the beginning of the design process. Our collaborative environment promotes fluid connections between our civil/site designs and the buildings themselves. This is critical as engineers and architects work together to meet the challenge of designing facilities that meet their users' needs, while lessening the impact on the environment.

PLANNING AND PERMITTING IS KEY

Identifying and obtaining the necessary permits is a critical factor in the success of any project. It requires effective communication and planning with the affected municipalities, state and federal agencies, and other stakeholders. Kleinfelder's long-term working relationships with numerous local, state, and federal regulators kept us abreast of continually-changing statutes and the people in charge of enforcement—a significant advantage in the permitting process.

Harvard North Campus Expansion

U.S. Route 7 Bypass

Comprehensive Environmental Planning and Permitting Services

The Kleinfelder professional team has abundant experience in environmental planning, impact assessments, natural resource studies, fishery and aquatic assessments, archaeological and historic studies, and permitting.

Our project experience includes the following:

- Agricultural operations
- Educational facilities
- Military facilities
- Water/sanitary districts
- Rail-line extensions and upgrades
- Roadway corridors and bridges
- Gas transmission lines
- Fiber optic lines
- EHV transmission lines
- Power plants
- Alternative energy
- Mines
- Aggregate terminals, and transportation and support facilities
- Landfills
- Land development
- Flood control/creek protection

We offer extensive NEPA and land use/planning capabilities as well as baseline surveys for property acquisition, construction monitoring, and land management.

ENVIRONMENTAL PLANNING AND PERMITTING SERVICES

NEPA, Land Use, and Program Management

- NEPA and state equivalent (CEQA, SEPA, SEQRA, SEIR, MEPA, PD&E) baseline studies for air, noise, geology, hydrology, water quality, hazardous materials, natural resources, cultural resources, and cumulative impacts
- Land management including timber harvest plans, habitat conservation plans, re-vegetation plans, and submerged freshwater and marine habitats
- Land use entitlements and analysis
- Impact avoidance strategies
- Alternative development
- Right-of-way acquisition and easements
- Public outreach and involvement
- Expert witness support and/or testimony
- Education and training
- Transportation Departments

Natural Resource Studies, Fishery/Aquatic Assessments, GIS, Restoration, and Construction Monitoring

- Sea grass, coral, and fishery studies including threatened and endangered species
- Geographic Information Systems (GIS) data management and analysis
- Permit scheduling and minimization strategies, tracking, and processing
- Wetland delineations, habitat characterizations, and mapping
- Post-construction mitigation monitoring and permit compliance for reclamation
- Mitigation and conservation bank development and implementation
- Listed plants and wildlife species surveys, monitoring, permitting, and relocations
- Water quality for use in total maximum daily load determinations, minimum flows and levels, and other biological determinations in addition to contaminants

Cultural Resources Management and Permitting Services

- Mitigation strategies for national historic landmarks and Native American sites with great spiritual importance
- Section 4(f) property identification and assessment
- Consultation with tribes and bands of nations to develop Section 106 mitigation plans that reduce impacts
- Community kiosks explaining historic importance
- Archeological monitoring during construction activities
- Wild and scenic rivers assessments

Similar Project Experience

Owner
Mahoning Township

Kleinfelder Project Manager and contact
Josh Krebbs
m| 570.847.7439
jkrebbs@kleinfelder.com

BALD TOP ROAD STABILIZATION

Mahoning Township, PA

The project consisted of stabilization and reconstruction a ±1,200-foot stretch of Bald Top Road in Mahoning Township, Pennsylvania. Following a period of wet weather in late spring of 2019, a ±50-foot-long portion of the roadway had failed, taking the guiderail and nearly half of the south-bound lane of Bald Top Road. Distress and tension cracks were also noted at various locations along this stretch of the roadway. Bald Top Road is situated on the south face of Bald Top with existing slopes as steep as 1H:1V extending below to State Route 11 (S.R. 11).

We were the geotechnical engineer-of-record on the project, completing 10 standard earth borings and rock cores, laboratory testing analysis of soils and rock, and continued monitoring of the subsurface conditions using piezometers and shape arrays. The geotechnical engineering report included a slope stability analysis and based on the site constraints and data collected, recommended soil nails with Geobrugg facing to support the roadway. We subsequently prepared design calculations and construction drawings for the proposed improvements. Additional design was completed for a segmental gravity retaining wall located at the intersection of Bald Top Road and S.R. 11.

Our services on this project also continued during the construction phase, providing review of all contractor RFI's and shop drawing submittals, monitoring of structural fill placement and soil nail installation review, including proof and verification testing for plan conformance.

Kleinfelder provided timely technical and project management expertise to assist in successful completion of this project.

OVC SLIDE REPAIR PROGRAM

West Virginia and Ohio

Kleinfelder is providing on-call geotechnical engineering, site design and construction inspections services to Equitrans Midstream (Equitrans) for landslides occurring along a newly constructed gas pipeline located in West Virginia and Ohio.

Program Overview and Scope of Services

Services Provided

- Geotechnical Engineering
- Landslide Analysis
- Site Design
- Construction Inspection

As slides are identified, Kleinfelder's team works with Equitrans to provide an initial assessment in order to determine the need for further geotechnical exploration. The explorations typically consist of test pits, but also include drilling if site access allows. Kleinfelder personnel works closely with a local surveyor to collect topographic data of the slide, using the information to compare pre- and post surfaces to aid in defining project limits and understanding potential excavation quantities. Upon identification of the topographic and geotechnical issues, Kleinfelder engineers perform slope stability analysis and develop remedial design plans. Once the construction plans are complete, our engineers and construction professionals assist in the bidding process. Additionally, Kleinfelder performs regular inspections during construction to document conformance with the design intent and develop design revisions as the site conditions are further defined.

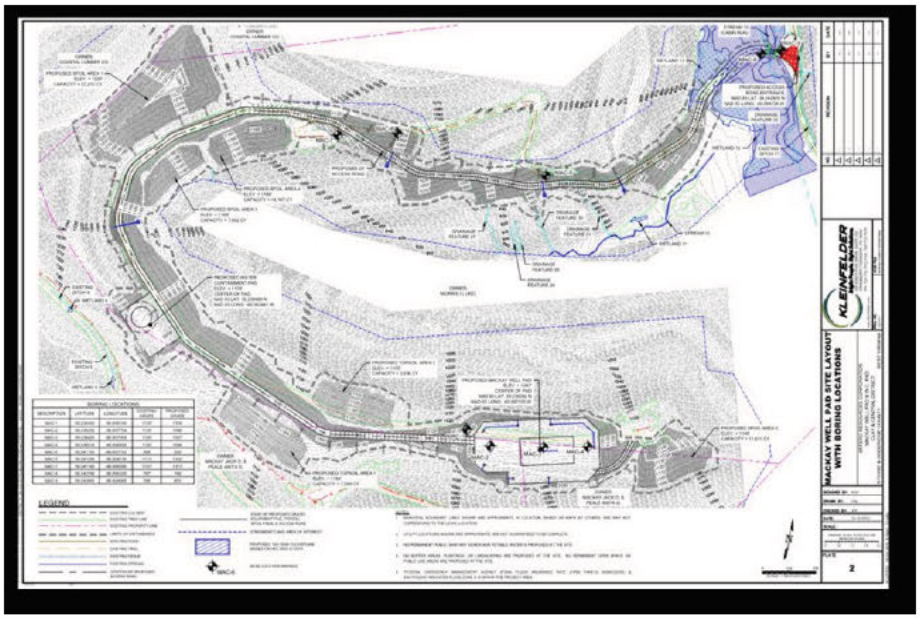
To date, we have completed over 50 designs.

Owner
Equitrans Midstream

Kleinfelder Project Manager and contact
James Beideman, PE
d| 267.857.4971
jbeideman@kleinfelder.com

Owner
Antero Resources

Kleinfelder Program Manager and contact
Jill Vovaris
m| 609.947.5296
jvovaris@kleinfelder.com



ANTERO PROGRAM

West Virginia and Ohio

Kleinfelder developed a delivery model for design and construction of a portfolio of well pad sites in landslide prone areas of West Virginia and Ohio. The delivery model evolved to meet the client's changing needs as the dynamics of the industry matured.

Program Overview and Scope of Services

- Site Design, Layout and Civil Engineering
- Geotechnical Field Investigations
- Slope Stability Analysis and Geotechnical Engineering
- Environmental Planning and Permitting
- Construction Recommendations and Considerations
- Construction Testing and Inspection
- Risk Management
- Remedial Slope Repair for pre-Kleinfelder Projects

Kleinfelder supported the development of over 100 well pad sites for Antero Resources. Initially, environmental permitting was the biggest challenge to development of the pads as they could not be constructed fast enough to support the need. As the market matured and the price of gas levelled out the construction mindset changed from faster is better to let's limit our potential liabilities. Kleinfelder's scope of services evolved with the clients needs to meet the challenges of the shale gas market.

DOLLY PROPERTY SLIDE REPAIR

West Virginia

Kleinfelder evaluated and developed repair design plans for several landslide areas associated with the Oak Mound to Waldo Run Transmission Line project.

Scope of Services

- Geotechnical Field Investigations
- Slope Stability Analysis and Geotechnical Engineering
- Civil Engineering
- Construction Recommendations

Kleinfelder evaluated five existing landslide areas on the Dolly Property. A total of 18 borings were performed in difficult access conditions. Final repaired slope angle designs range from about 3H:1V to 1.5H:1V. Slope designs include both soil only and geogrid reinforced soil slopes. The repair plans include laydown areas, E&S controls, repair grading, benching, drainage and construction requirements for the repairs. Considerations were included in the plans to accommodate challenging landowner coordination.

Client Reference
First Energy

Kleinfelder Project Manager and contact
Jonathan Morrison
o| 610.594.1444 x 128
jmorrison@kleinfelder.com

PIERCE BROOK TO LEWIS RUN 230KV T-LINE SLOPE REPAIR DESIGN

Pennsylvania

Kleinfelder provided geotechnical investigation services for new transmission line structures, access roads/pads, and slope repair design.

Scope of Services

- Geotechnical Field Investigations/ Geotechnical Engineering
- Slope Stability Analysis
- Slope Repair Design and Construction Monitoring

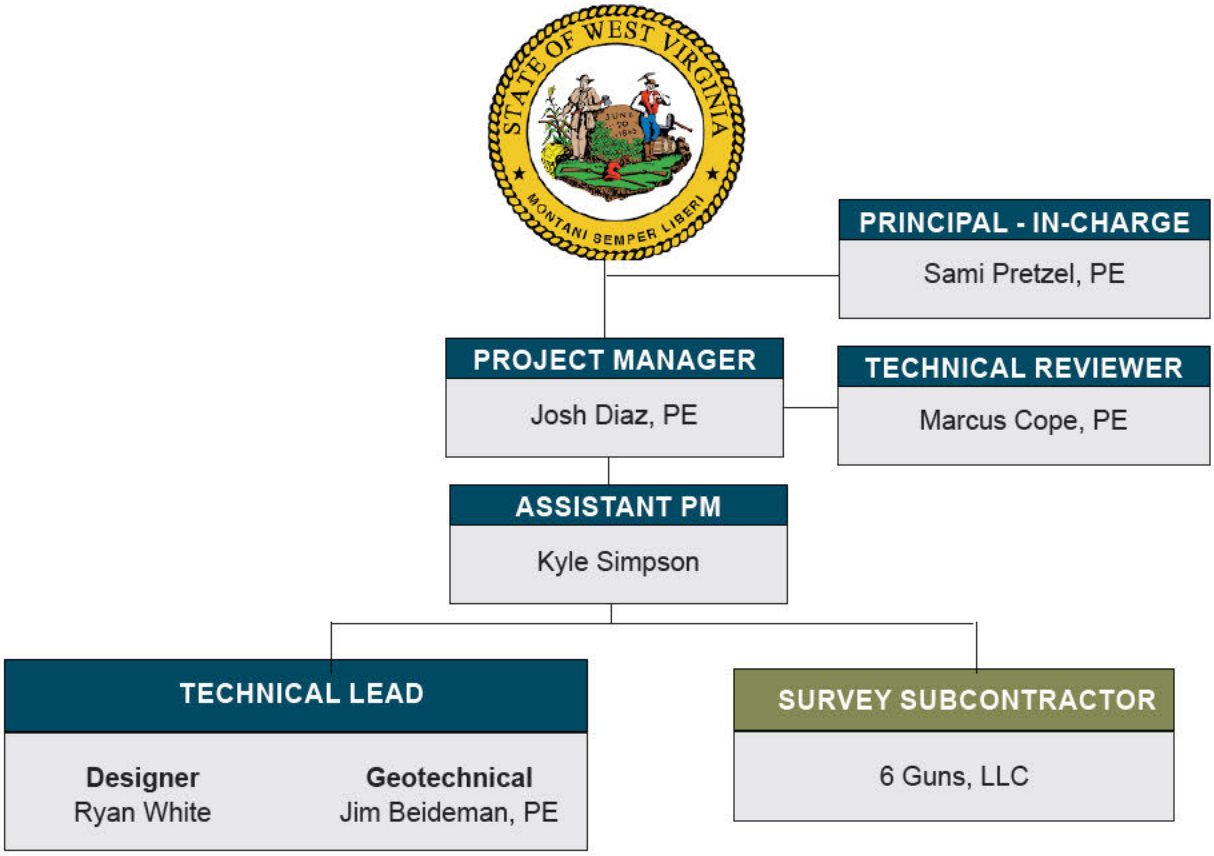
Kleinfelder performed geotechnical investigation for transmission line structures, access roads, and construction pads for the 15-mile 230kV transmission line project. A total of 42 borings were performed in difficult terrain with steep slopes and boulders. Design parameters were provided for the structures and slope stability analysis was performed for over 30 cut and fill slopes. Benching, drainage, and fill placement and compaction recommendations were provided in our geotechnical evaluation report. Following construction one of the pad.areas that had been filled failed. Failure appeared to be due to lack of benching, drainage and proper fill placement and compaction. Slope repair design and oversight during the slope repair construction was provided.

Client Reference
FirstEnergy

Kleinfelder Project Manager and contact
Jonathan Morrison
o| 610.594.1444 x 128
jmorrison@kleinfelder.com

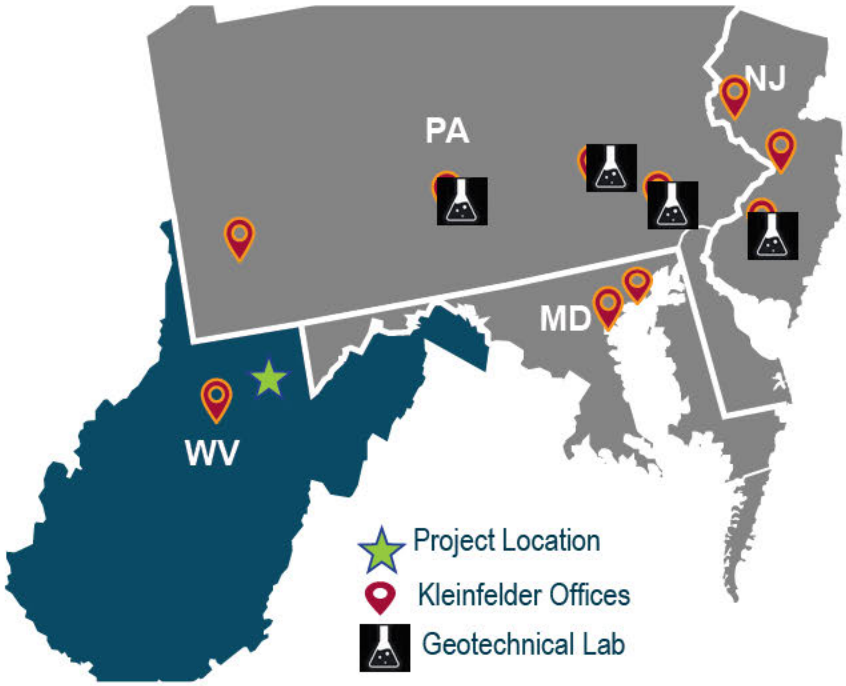
Project Team

The organization chart below identifies our staffing plan and their respective roles. Full resumes for all key staff follow in the subsequent pages.



Field and Staff resources are available as needed

Kleinfelder's Bridgeport location is less than 45 miles away from the Project Site. In addition, we can easily and efficiently mobilize resources out of our Pennsylvania, Maryland, and New Jersey office locations.



EDUCATION

Bachelor of Science, Civil Engineering, West Virginia University, Morgantown, WV

REGISTRATIONS / CERTIFICATIONS

Professional Engineer
Civil:
WV [redacted]
OH [redacted]
PA [redacted]

Project Manager **JOSHUA (JOSH) DIAZ, PE**

Mr. Diaz has over 20 years of experience as a civil engineer working in several capacities in the public, industrial, and consulting realms. He has performed as technical lead, project manager, and program manager on projects including heavy highway construction and design, bridge construction and design, private development earthwork and civil projects, natural resource planning and development, surveying and geomatic work, and infrastructure repair and upgrade. He has participated in or managed projects from onset and proposal through completion and punch list. Mr. Diaz has performed on several roadway, pad, and pipeline landslide projects throughout northcentral West Virginia, southwestern Pennsylvania, and southeastern Ohio.

Project Experience — 20 YEARS

WV Department of Transportation, Division of Highways, King Cole Highway, Mingo County, WV - Mr. Diaz performed as the civil engineering technical lead and overall project manager for the design of a section of new interstate highway in southern West Virginia. Identified as a synergy project, the roadway was designed and built in a partnership between the WVDOT and Nicewonder Mining in which value engineering was applied to allow the mining contractor to harvest coal reserves while performing the excavation. The project entailed a 13-mile section of four-lane highway with drainage, subgrade, and pavement, and included over 61 million cubic yards of bulk excavation. Mr. Diaz led all roadway design, traffic, pavement design, quality control, plan presentation, and drainage design.

EQT and Antero Production Companies, Multiple Road Upgrade Projects, Doddridge, Wetzel, and Tyler Counties, WV - Mr. Diaz performed as civil engineering technical lead and project manager for multiple county route upgrade and repair projects sponsored by natural gas producers to enable access to their leased properties for development. These projects range from ditch and culvert upgrade and maintenance to full design and widening. Road slips were often encountered which were mitigated and repaired with stone and fill upgrades, retaining walls, and/or geometry revisions.

WV Department of Transportation, Division of Highways, Star City Bridge, Morgantown, WV - Mr. Diaz performed as the DOH superintendent overseeing all aspects of construction, quality control, compliance, cost control, and inspection staff for a five-lane, 1000' foot structure along WV 19 crossing the Monongahela River in Morgantown, WV. His duties included but were not limited to ensuring construction was performed in accordance to plans and specifications, contract management and pay determination, earthwork, concrete, roadway, and steel construction oversight, managing a team of inspectors, and acting as the direct liaison between Balfour-Beatty Construction and the District.

WV Department of Transportation, Division of Highways, Rubles Run Bridge, Monongalia County, WV - Mr. Diaz performed as the DOH superintendent overseeing all aspects of construction, quality control, compliance, cost control, and inspection staff for twin, two-lane 1,100' interstate structures along WV 43 crossing the Rubles Run Gorge in Morgantown, WV. His duties included but were not limited to ensuring construction was performed in accordance to plans and specifications, contract management and pay determination, earthwork, concrete, roadway, and steel construction oversight, managing a team of inspectors, and acting as the direct liaison between Ahern Construction and the District.

WV Department of Transportation, Division of Highways, Sabraton Widening Project, Morgantown, WV - Mr. Diaz performed as the DOH superintendent overseeing all aspects of construction, quality control, compliance, cost control, and inspection staff for the widening, drainage, repair and box culvert installation for a 1-mile section of WV RT 7 in Morgantown, WV. His duties included but were not limited to ensuring construction was performed in accordance to plans and specifications, contract management and pay determination, earthwork, concrete, roadway, and steel construction oversight, managing a team of inspectors, and acting as the direct liaison between Mountaineer Contracting and the District.

EDUCATION

Bachelor of Science, Biological Engineering, Pennsylvania State University, Centre County, PA

AFFILIATIONS

Member of American Society of Agricultural and Biological Engineers (ADABE)

Assistant Project Manager **KYLE SIMPSON**

Mr. Simpson brings a biological, environmental background focused on natural resources engineering, stormwater management, environmental protection, project development and soil and water conservation. His work includes design and drafting of oil and gas facilities including compressor stations and well pads, impoundments. He designs and oversees construction of landslide remediation projects, had done design and drafting of pipeline projects, designed wetland mitigation plans, and erosion and sedimentation control plans. His work also includes attending project kick-off and pre-bid meetings with clients on slide remediation projects.

Project Experience **8 YEARS**

Angelina Gathering Company, Victory Trunkline, LLC, WV - This project is a 27-mile waterline. As a staff engineer, Mr. Simpson produced construction plans, HOP plans, and FERC alignment plans for various stages of the project which included consideration for erosion and sediment control and environmental crossing impacts.

Equitrans Midstream, Ohio Valley Connector Pipeline, Marshall and Wetzel County, WV - This project consists of a large-scale landslide remediation project for the Ohio Valley Pipeline. Mr. Simpson's role included meeting with the client on-site to assess the landslides and discover a possible root cause for the failure. Mr. Simpson also was tasked with designing the remediation plans and then making site visits throughout construction to ensure the contractor was repairing the slides according to the design and specifications laid forth in the plans. In total, more than 30 landslide remediation plans have been prepared for the client as part of this project.

Indiana Harbor Belt Railroad, Gibson Yard Phase 3 Wetland Mitigation, Gary, IN - Mr. Simpson and colleagues worked with the Indiana Harbor Belt Railroad (IHB) and The Nature Conservancy to reconstruct 1.2 acres of historic dune and swale habitat that was previously impacted by residential development at the Ivanhoe Dune and Swale Nature Preserve. The proposed mitigation was approved to compensate for unavoidable impacts of wetlands at IHB's Gibson Yard due to track relocation and new track construction. Mr. Simpson redesigned the historic dune and swale system to return the area to its pre-construction conditions. This design included site grading, new wetland planting plans, erosion & sediment controls, and permit plans.

BKV Operating, LLC, Rockefeller Well Pad, Susquehanna County, PA - The project involved the design of a well pad and access road. Mr. Simpson was staff engineer responsible for construction quantity estimates, site grading, erosion & sedimentation controls, and stormwater management features necessary to obtain a ESCGP-3 Permit. Mr. Simpson also collaborated with peers in the company to coordinate and compile the ESCGP-3 permit package. This package

included: E&S and stormwater management narratives and reports, Geotechnical reports, wetland and stream reports, infiltration testing, and Post-Construction Stormwater Management reports and plans.

BKV Operating, LLC, Sickler Compressor Station, Susquehanna County, PA - The project involved the design of a compressor station. Mr. Simpson served as staff engineer responsible for construction quantity estimates, site grading, erosion & sedimentation controls, stormwater management features, and Subdivision and Land Development Plans. Mr. Simpson used the local subdivision and land development ordinance (SALDO) to design a compressor station for the client that met all necessary municipal regulations.

RH Energytrans, Risberg Line, PA & OH - The project was an approximately 30-mile gas pipeline located in northwestern Pennsylvania and northeastern Ohio. Mr. Simpson was responsible for designing erosion and sediment controls, feature list summaries, construction plans, and permit plans.

EDUCATION

Associates Degree, Drafting and Design Technology, Westmoreland County Community College, Youngwood, PA

Designer — RYAN WHITE

Mr. White has experience as a designer/drafter involved in a variety of civil design and grading projects that include surface modeling, site design, well pad design, and access road design. Mr. White additionally has experience with slip and slide projects that involve retaining walls and regrades.

Project Experience — 10 YEARS

Antero Resources, Natural Gas Gathering Pipeline, Tyler County, WV - While with a former employer, Mr. White worked on several road widening and slip projects

EQT, Temporary Water Line Projects, Waynesboro, PA - While with a former employer, Mr. White worked on several temporary water line projects.

CNX-Jane Lew, CAM11HS Well Site/ Acces Road and KST3HS Well Site, WV - While with a former employer, Mr. White worked on several access road projects.

CNX-Waynesboro, MAJ-14 Well Site/ Acces Road, PA - While with a former employer, Mr. White worked on several access road projects.

EDUCATION

Bachelor of Science, Biological and Environmental Engineering, Virginia Polytechnic Institute and State University, Blacksburg, VA

REGISTRATIONS

Professional Engineer
Civil:
WV
NC #0
SC #
PA #
NY #
OH #
KY #
VA #

Technical Reviewer

MARCUS COPE, PE

Mr. Cope has experience as a civil engineer involved in a variety of stormwater, grading, erosion and sediment control, geotechnical, and geo-environmental projects that include regularity compliance, stormwater design, erosion and sediment controls, floodplain mitigation, and HDD crossing geometry and subsurface investigations. In addition to design support, Mr. Cope has worked on a variety of construction projects including exposed pipelines, an oil refinery stormwater system, commercial & residential development, and pipeline construction.

Project Experience — 19 YEARS

Antero Resources, Natural Gas Gathering Pipeline, Tyler County, WV - Mr. Cope served as the design and signatory engineer for thirteen-mile natural gas gathering pipeline. Permitting was completed in four phases. The project permitting phase included MM-109 permits, General Construction Stormwater Permit (NPDES), and Stormwater Pollution Prevention Plan.

Confidential Client, Natural Gas Pipeline, Marshall County, WV - Mr. Cope was the lead technical engineer for a linear project to meet the design standards of the VDEQ stormwater management design manual including hydraulic and hydrologic calculations, stormwater management design, and BMP analysis. Lead engineer in charge of the design of a series of erosion and sediment controls to satisfy the rigid requirements.

Williams Field Services, Pipeline Mitigation, Marshall County, WV - Project consisted of a major modification to an existing pipeline needing a repair while staying in-service. Permit included an H&H study to allow for the pipeline repair and measurement located in a floodplain. Design of a difficult access road over 1 mile and erosion and sediment control design.

Angelina Gathering Company, Natural Gas Pipelines, Susquehanna County, PA - Mr. Cope worked as the signatory engineer for multiple lines of natural gas pipeline permitting documents for Angelina Gathering Company in Northeast PA (ESCGP-2).

Kinder Morgan, Multiple Projects, LA, MS, AL, GA, TN, VA, NV, CA, and OR - Multiple exposed pipeline sites located throughout the United States. Designs included pipeline lowering, matting, and HDD designs for a myriad of exposure locations. Permit applications and design drawings for construction of repair designs was completed. Construction documents and monitoring were also completed on multiple sites.

EDUCATION

BS, Geological Geophysical Engineering, Colorado School of Mines, Golden, CO

Masters Degree, Civil Engineering, Northeastern University, Boston, MA

REGISTRATIONS / CERTIFICATIONS

Professional Engineer
Civil:
WV #[redacted]
MA #[redacted]
PA #P[redacted]
DE #[redacted]
NJ #[redacted]
MD #[redacted]
OH #[redacted]
VA #[redacted]
NY #[redacted]

CPR & First Aid
#C[redacted]

Geotechnical Engineer **JAMES (JIM) BEIDEMAN, PE**

Mr. Beideman has experience as a geotechnical engineer involved in a variety of geotechnical and geoenvironmental projects that include planning and execution of subsurface explorations, geotechnical report preparation, regularity compliance, and foundation investigations. In addition to design support, Mr. Beideman has worked on a variety of construction projects including, slurry wall construction, soil management, tieback installation, wood pile underpinning, slurry caisson installation, and drilled micropile installation.

Project Experience **21 YEARS**

Rover Pipeline Relocation, Various Compressor Pad Facilities, NE to SE OH, SW PA, and North Central WV - Project Engineer responsible for the coordination, execution, data evaluation, and reporting for geotechnical investigations to support the design and construction for 10 shale gas compressor pad facilities. Analysis and calculations were performed to provide recommendations for site grading, slope stability, and shallow foundations. Provided earthwork and foundation recommendations for facilities located on historic fill from surface coal mining.

Various Well Pads Facilities, Doddridge, Ritchie and Tyler County, WV - Project Manager and Engineer responsible for the coordination, execution, data evaluation, and reporting for geotechnical investigations to support the design and construction of over 50 shale gas well pad facilities. Analysis and calculations were performed to provide recommendations for site grading, slope stability, and shallow foundations. Provided engineering support and quality control oversight during construction including field density testing and subgrade observation.

James Compressor Facility, Doddridge County, WV - Project Engineer responsible for the coordination, execution, data evaluation, and reporting for a geotechnical investigation to support the design and construction of a shale gas compressor pad facility. Analysis and calculations were performed to provide recommendations for site grading, shallow foundations and seepage control. Provided quality control oversight for construction inspection including field density testing and subgrade observation.

US Army Corps of Engineers (USACE), New Orleans District, Hurricane Protection Project, Bayou Bienvenue to Bayou Dupre Reach LPV 145, and Verret to Caernarvon Reach LPV 148.02, New Orleans, LA - Project Engineer responsible for coordination and geotechnical analysis including preparation of a preliminary geotechnical soils report to be used by the USACE New Orleans District to select the most cost-effective flood protection alternative. The project involved summarizing subsurface and laboratory data and performing slope stability, settlement, pile capacity, and seepage analysis for a T-wall flood control structure and earthen levee cross-over ramps.

EDUCATION

BS, Engineering, West Virginia University

Masters, Business Administration, West Virginia University

REGISTRATIONS / CERTIFICATIONS

Professional Engineer
Civil:
WV
VA
PA #
MD
KY #
OH
NY
IN
AL
FL

Society of Women Engineers (SWE)

Society of Mining, Metallurgy & Exploration (SME)

Americal Society of Civil Engineers

Principal-in-Charge

SAMANTHA (SAMI) PRETZEL, PE

Ms. Pretzel has 16 years of experience in mining and civil engineering, site assessment and design for multi-disciplinary projects, environmental permitting for infrastructure projects, feasibility studies, contract compliance and project management. She is a licensed Professional Engineer, having current registration for West Virginia and surrounding states. She has experience with projects from initial development to construction management related to industrial and water treatment applications, mine site reclamation and refuse disposal, transportation, as well as power/energy related to linear projects and facilities.

Project Experience — 16 YEARS

Dolly Slide Mitigation Project, Salem, WV - Ms. Pretzel conducted the initial site investigation for five (5) slides located on one landowner for an Electrical Transmission line that runs to the North of Salem, WV. Upon completion of the site investigation, Ms. Pretzel was engaged with the delivery team to discuss conceptual designs and surface constraints for the site(s). Acting as the Engineer of Record (EOR), Ms. Pretzel conducted reviews and additional site visits with the client to facilitate landowner coordination and ultimately final design.

NY Utility Company, Multiple Projects, Various Sites in NY- Ms. Pretzel managed various projects for a New York natural gas utility that involved geotechnical investigations, horizontal direction drill design and oversight of multiple projects. Ms. Pretzel conducted both Project Management and EOR responsibilities for the projects.

Engineering and Compliace Manager, Morgantown, WV - Ms. Pretzel managed engineering and compliance department, which were responsible for current reclamation projects, environmental liabilities, perpetual water treatment facilities, mine pool dewatering, permitting and compliance for all WV and PA properties. Duties included but were not limited to daily management activities for personnel management, task priority determinations, contract compliance, project development and management, establish expectations and run rules for personnel and the department, act as a liaison with regulatory agencies.

Project Coordinator and Mine Engineer, Morgantown, WV - Ms. Pretzel coordinated capital projects including but not limited material handling, dock site improvements, mine infrastructure, and water treatment and conveying. Duties included but were not limited to project scheduling, contract development and management, bid package development, contractor liaison and long lead time material procurement. Ms. Pretzel also managed the mine engineering for a single unit room and pillar coal mine adjacent to their surface preparation facilities. Duties included but were not limited to mine

mapping, roof and ventilation plans, timing and general engineering tasks.

Senior Engineer, Morgantown, WV - Ms. Pretzel was responsible for large and small scale projects related to underground coal mining operations ranging from borehole installation, mine site maintenance and upgrades, new portal facilities, ventilation shaft installation, dewatering operation pipeline design and installation, advanced water treatment plant site design and construction, mine reclamation and subsidence, abandoned mine site reclamation and water collection systems.

02 | APPROACH AND METHODOLOGY FOR MEETING GOALS AND OBJECTIVES

At Kleinfelder, we take a proven approach to our projects to see them through from start to finish. Our project manager, Josh Diaz, PE, will be assigned to your project throughout its duration in order to cohesively and efficiently realize the identified goals. With our multiple, in-house service lines and trusted partners, we will control and manage all aspects of the South Gate Road Slip Stabilization Design at Camp Dawson in Preston County, West Virginia. Below, we have described, step-by-step, our proposed process to navigate this project to a successful conclusion. In this document, we also explain how we handle quality control and the milestones to be expected throughout the design and completion.

APPROACH AND METHODOLOGY

Preliminary Investigation and Survey

Upon award of the contract and notice to proceed, Kleinfelder will initiate preliminary desktop and field investigations required to gather information needed for the design to begin and progress.

Desktop Analysis

- Information Request
  - Kleinfelder will request vehicle, load, and traffic data from the agency to be used in future designs.
- Soil/Hydraulic data
  - Kleinfelder will use publicly available services to determine soil properties and flow data of the stream in the area of the project.

Survey

- Prior to initiating survey for the project, an WV 811 inquiry will be filed in order to identify existing utility infrastructure in the area.
- In order to facilitate a design, proper topographical and planimetric data will be gathered.
  - A combination of aerial LiDAR, terrestrial LiDAR, and conventional survey will be employed to gather topographical data.
  - Marked utilities, evidence of additional utilities, and planimetric features will be located and incorporated in the existing base map.
  - Proper control and benchmarks will be installed in and around the area in order to project data onto the agreed upon datum and coordinate system.
- When topographic and planimetric data is collected and rectified, boring locations will be identified and staked in the field.

Design

Geotechnical

- Kleinfelder will accompany our drilling partner to ensure proper locations and depths, examine and log cores, and collect samples.
- Samples will be transported to our in-house soils laboratory in order to determine required soil/rock characteristics to be used in design.
- Kleinfelder geotechnical and civil engineers will utilize data which was gathered earlier to perform stability analysis, slope, and retaining wall design as required.
- Utilizing load and traffic data, engineers will perform pavement and section design to be employed in roadway plans.

Civil

- Considering constraints determined in geotechnical design, Kleinfelder's civil engineers and designers will develop roadway plans in an agreed upon format.
- The plan set will contain the following:
  - Plan and Profile information

- Existing and proposed information
- Curve Data
- Topographic and excavation data
  - Cut/Fill limits and construction extents
- Slope and/or retaining wall design and details
- Drainage plan and details
  - Drainage features will be designed to pass a 10-year, 24-hour precipitation event
- Erosion and sediment control (E&S) features and Best Management Practices (BMPs)
  - Conforming to the West Virginia Department of Environmental Protection (WVDEP) BMP Manual
- Maintenance of traffic plan
  - Conforming to the Manual for Uniform Traffic Control (MUTCD) and West Virginia Department of Transportation (WVDOT) Manual on Temporary Traffic Control
- Parcel Data
  - Derived from readily available tax-map data
  - No boundary survey is proposed for this project.
- Typical details, sections, and specifications
  - Conforming to the WVDOT Standard Details Book, Volumes 1 and 2
- Construction Sequence
- Materials testing and compaction requirements
  - Conforming to the WVDOT Standard Specifications Roads and Bridges (2017) and Supplement (2021)
- Estimate of quantities
  - Conforming to the WVDOT Standard Specifications Roads and Bridges (2017) and Supplement (2021)
- West Virginia Registered Professional Engineer's seal, signature, and approval

Construction Management and Support

- During construction, Kleinfelder will provide a technician to perform construction oversight, material testing, and project reporting.
- Kleinfelder field survey crews will perform as-built surveys to allow quantity and pay calculation at agreed upon intervals.
- Engineers and technicians will participate in regular and final walkthroughs and inspections to develop a final punch list detailing items required for the completion of the project.

DESIGN PROGRESS MILESTONES

As requested in the Centralized Expression of Interest scoping documents, drawings, specifications, and cost estimates will be submitted for 35%, 65%, 95%, and 100% for agency review and comment. 35%, 65%, and 95% drawings and specifications will be submitted electronically in .pdf format while 100% construction documents will be submitted both electronically in .pdf format and as hard copies in ANSI D (22"X34") format. A brief description of the level of completion for each of the milestones is provided below:

35% Review Plans

Plans generated for 35% review and comment will be schematic in nature, showing the overall approach of the design and basic quantities based upon this preliminary set. Items included on the 35% review plans are listed below:

- Base map containing existing topography, planimetric, and parcel information
- Horizontal and vertical alignments with curve data and design template
- Type, size, and location of slopes and retaining walls, as required
- Approximate preliminary quantities for major items
- Approximate location of E&S BMPs and drainage features

65% Review Plans

Plans generated for 65% review and comment will have the information from the 35% review plans and address agency comments. These plans will contain much more detailed design information including but not limited to the following:

- Title Sheet
- General Notes
- Construction Sequence

- Materials Testing and Compaction Specifications
- Estimate of Quantities
- Plan and Profile Sheet(s)
- Core Boring Logs
- Slope and/or Retaining Wall Design and Details
- Seeding and Mulching Schedules
- Drainage Plan and Piping Details
- E&S Plan and Details
- Typical Sections and Pavement Design
- Maintenance of Traffic Plan
- Typical Details
- Cross-Sections

95% Review Plans

Plans generated for 95% review and comment will have the information from the 65% review plans and address agency comments. These plans will be submitted under the assumption they are final for approval by the agency.

100% Issued for Bid (IFB)/Issued for Construction (IFC Plans)

Upon review and approval of the 95% plans by the agency, plans will be reviewed, approved, signed, and sealed by a West Virginia Registered Professional Engineer and submitted as a full set of construction documents to be let to bid and provided to the successful contractor for construction.

03 PROPOSED PROJECT MANAGEMENT, QUALITY & COST CONTROLS

Kleinfelder is committed to providing strong project management to WV ARNG such that technical, quality, budgetary, and scheduling targets are consistently achieved. Our overall project approach will be to serve as an extension and to identify, in coordination with the WV ARNG, cost-effective recommendations and solutions to the project at hand. Kleinfelder will be responsive and available to the throughout the duration of the term contract. Kleinfelder will assign a dedicated Project Manager whose sole responsibility is to ensure effective implementation of this Contract. In this section, we have provided an overview of our approach to Project Management, Quality Control, Scheduling, and Cost Controls.

Project Manager Qualification System

Kleinfelder ensures qualified and experienced professional working on your projects. We have a formal internal training program for our staff and formal continuing education requirements as part of our Quality Assurance (QA) Program. We qualify our project managers through our Project Manager Qualification System (PMQS). The PMQS process touches on all aspects of project management and all phases of the project life cycle.

Quality Management Program

Kleinfelder's Quality Management Program (QMP) is designed to promote compliance with applicable requirements, including corporate, regulatory, and client requirements, as well as standards of practice for the profession. The QMP emphasizes a "tiered approach" to quality and is intended to confirm the appropriate quality standards for activities are achieved and maintained. The tiered approach has the advantage of allowing the firm to implement quality assurance/quality control at all levels, from the most basic to 10CFR830 Subpart A, while providing the flexibility to develop a project-specific QAPP with an appropriate and reasonable level of detail. As part of corporate QMP, Kleinfelder

KLEINFELDER'S PROJECT MANAGER QUALIFICATION SYSTEM

1. ABOUT PMQS

The Project Manager Qualification System (PMQS) was developed to identify individuals with the appropriate knowledge, training, and experience to manage projects. Individuals who have completed PMQS are considered qualified project managers (QPMs) and are eligible to manage projects. In addition, Provisional Project Managers are eligible to manage projects under direct supervision of a QPM while completing their qualification cards.

2. THE PROCESS

The PMQS process consists of two parts—completing the qualification card, and a comprehensive panel examination. The qualification card contains a list of over 120 knowledge and skill areas that must be demonstrated by the prospective Project Manager. As each knowledge and skill area is obtained and demonstrated, signatures are collected from various individuals, such as line managers and support staff, who have observed the prospective Project Manager demonstrate the competency. If the candidate successfully passes the comprehensive panel examination, then PMQS certification is granted. This year long process ensures that PMs are properly trained.

has developed quality control procedures as implementation guides for applying the appropriate quality criteria in an effective and efficient method where needed on a project-specific site. When combined with our technical guidance documents, the user is provided with a QPM sufficient to meet nearly every quality requirement or situation.

QA/QC Process

Kleinfelder utilizes a four-tiered QA/QC process to ensure our Quality Control Program is implemented for all projects:

1. The **Project Manager** is responsible for project quality. He or she makes sure that appropriate quality reviews are established and scheduled at the start of a project and documents the process in a Quality Plan.
2. The **Principal** approves the Quality Plan prepared by the Project Manager, audits projects to make sure the proper quality control reviews are performed and assists the Project Manager in identifying the appropriate reviewers depending on the type of review.
3. **Task leaders** ensure that quality control checks are implemented at appropriate task milestones and report progress to the Project Manager. They also ensure task are carried out appropriately/diligently and subject matter experts are leveraged.
4. **QC Reviewers** conduct independent technical reviews (ITR) in accordance with the approved Quality Plan.

Kleinfelder's QA/QC Process Flow Diagram

Kleinfelder maintains an unyielding commitment to industry-leading quality and seamless operational performance though the adherence of quality control and risk management procedures, as outlined in this QA/QC process flow diagram.

Maintaining Schedule and Controlling Cost

Kleinfelder's overall approach to this contract positions us to delivering quality projects on schedule and within budget. Here are the critical success factors on how we maintain schedule and cost.

- Selecting a Project Manager and Technical Leads with a long track record of responsive client service, on-call contract experience, and multi-disciplinary project planning and execution.
  *Proper project planning yields **cost-effective execution** with **quality solutions** and **efficient delivery**.*

- Carefully selecting Key Personnel and additional resources that best meet the technical needs and specialized expertise of the associated project disciplines.
  *A local team with expertise can **mobilize quickly** to cover your needs.*

- Providing **quality-focused** senior staff that have experience developing and optimizing quality programs and executing reviews for our most complex projects.
  Well executed quality assurance and control prevents costly rework. We have a robust Quality Control Program to ensure technical quality of our work, from the development of the technical approach through completion of contract deliverables

- The ability to keep an assignment within the original scope and budget is a result of defining a complete scope at task order initiation.
  Our Deltek-based project management system allows us to track the budget on each task separately, including staff hours, outside charges, and subconsultant costs.

PROJECT CONTROLS

1. ORGANIZE AND DEFINE

- Identify contractual, client, and company requirements
- Establish the task order scope and develop work/ cost breakdown structures
- Establish the Project Controls Execution Plan
- Define task order deliverable requirements

2. PLAN AND BUDGET

- Establish the project controls levels and reporting plan
- Develop and communicate the baseline schedule, budget, and construction cost limitations
- Perform internal status review of budgets, schedules, scope performance, and earned value
- Develop budget and schedule trends and provide timely and accurate reports to client

3. ANALYSIS, TRENDING, AND FORECASTING

- Analyze cost and schedule trends
- Identify and forecast impacts of deviations, their causes, and corrective actions
- Implement corrective actions to eliminate or minimize cost and schedule impacts
- Prepare contingency analysis

4. CHANGE MANAGEMENT

- Communicate potential changes to client project manager
- Establish and administer the change management process
- Control changes and adjustments to budgets and forecasts

04 EXCEPTIONS

Kleinfelder does not take exceptions or propose modifications to the Terms & Condtions as provided in the bid for the South Gate Road Slip Stabilization Design.

APPENDIX A
Staff Certifications

Search: Details

Name:	JAMES M. BEIDEMAN
WV Professional Engineer:	**PE License Number:** [redacted]
	PE License Status: Active
	PE Issue Date: 01/08/2013
	PE Expiration Date: 12/31/2022
Continuing Education Claim:	**Qualifying Hours from Last Renewal or Reinstatement:** 32.00
	Carryover Hours for Next Renewal: 2.00
	Last Renewal or Reinstatement Date*: 12/3/2020
WV Engineer Intern:	**EI Certification Number:**
	EI Issue Date:
Primary Address of Record:	[redacted]
Primary Employer of Record:	KLEINFELDER 180 SHEREE BOULEVARD SUITE 3800 EXTON, PA 19341
	* This date reflects the most recent license renewal (or reinstatement) date for this licensee. Continuing education hours earned prior to this date may **not** be used for future renewals.

This data was retrieved on 8/5/2021.

Search: Details

Name:	JOSHUA N. DIAZ
WV Professional Engineer:	**PE License Number:** [redacted]
	PE License Status: Active
	PE Issue Date: 04/21/2006
	PE Expiration Date: 12/31/2022
Continuing Education Claim:	**Qualifying Hours from Last Renewal or Reinstatement:** 40.00
	Carryover Hours for Next Renewal: 10.00
	Last Renewal or Reinstatement Date*: 12/3/2020
WV Engineer Intern:	**EI Certification Number:** 7712
	EI Issue Date: 01/04/2001
Primary Address of Record:	[redacted]
Primary Employer of Record:	SE TECHNOLOGIES 500 MOSITES WAY PITTSBURGH, PA 15205
	* This date reflects the most recent license renewal (or reinstatement) date for this licensee. Continuing education hours earned prior to this date may **not** be used for future renewals.

This data was retrieved on 8/5/2021.

Search: Details

Name:	MARCUS J. COPE
WV Professional Engineer:	**PE License Number:** [redacted]
	PE License Status: Active
	PE Issue Date: 09/29/2009
	PE Expiration Date: 12/31/2022
Continuing Education Claim:	**Qualifying Hours from Last Renewal or Reinstatement:** 32.00
	Carryover Hours for Next Renewal: 2.00
	Last Renewal or Reinstatement Date*: 12/14/2020
WV Engineer Intern:	**EI Certification Number:** 8057
	EI Issue Date: 01/28/2003
Primary Address of Record:	[redacted]
Primary Employer of Record:	AECOM 681 ANDERSEN DRIVE SUITE 120 PITTSBURGH, PA 15220
	* This date reflects the most recent license renewal (or reinstatement) date for this licensee. Continuing education hours earned prior to this date may **not** be used for future renewals.

This data was retrieved on 8/5/2021.

Search: Details

Name:	SAMANTHA J. PRETZEL
WV Professional Engineer:	**PE License Number:** [redacted]
	PE License Status: Active
	PE Issue Date: 12/16/2014
	PE Expiration Date: 12/31/2022
Continuing Education Claim:	**Qualifying Hours from Last Renewal or Reinstatement:** 45.00
	Carryover Hours for Next Renewal: 15.00
	Last Renewal or Reinstatement Date*: 12/10/2020
WV Engineer Intern:	**EI Certification Number:** 9564
	EI Issue Date: 05/17/2012
Primary Address of Record:	[redacted]
Primary Employer of Record:	KLEINFELDER 180 WHITE OAKS BLVD SUITE 110 BRIDGEPORT, WV 26330
	* This date reflects the most recent license renewal (or reinstatement) date for this licensee. Continuing education hours earned prior to this date may **not** be used for future renewals.

This data was retrieved on 8/5/2021.

APPENDIX B
Forms

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)
Joshua N. Diaz, PE, Project Manager
(Printed Name and Title)
180 White Oaks BLVD, STE 110, Bridgeport, WV 26330
(Address)
304.276.7756
(Phone Number) / (Fax Number)
jndiaz@kleinfelder.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.

Kleinfelder, Inc.
(Company)

(Authorized Signature) (Representative Name, Title)

Dan Schauble - Area Manager
(Printed Name and Title of Authorized Representative)

August 10, 2021
(Date)

717.516.6155
(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 exceed 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: Kleinfelder, Inc.

Authorized Signature: J R. Schaufler... Date: August 10, 2021

State of West Virginia

County of Monongalia, to-wit:

Taken, subscribed, and sworn to before me this 10th day of August, 2021.

My Commission expires January 28, 2025.

AFFIX SEAL HERE

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Sharon R. Tennant
2100 Jakes Run Rd Fairview, WV26570
My Commission Expires January 28, 2025

NOTARY PUBLIC