Expression of Interest

WVDOH

DIVISION OF HIGHWAYS

District Three

New I-77 Medina Substation

CEOI 0803 DOT1800000001


Existing Facility


Existing Facility


Proposed Site

AMT

A. Morton Thomas and Associates, Inc.
Consulting Engineers

July 3, 2018

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

July 3, 2018

Mr. Mark Atkins, Senior Buyer
State of West Virginia
Department of Administration, Purchasing Division
2019 Washington Street, East
Charleston, West Virginia 25305-0130

RE: **New I-77 Medina Substation**
Solicitation No. CEOI 0803 DOT1800000001
AMT File No. P18-0587

Dear Mr. Atkins:

A. Morton Thomas and Associates, Inc. (AMT) is pleased to submit this Expression of Interest to the West Virginia Division of Highways (WVDOH), District Three for the design of a new I-77 Medina Substation. AMT is offering the WVDOH a team with notable expertise and experience with the engineering, surveying, architectural, agency coordination and construction oversight required to complete the project efficiently and successfully. AMT is a multidisciplinary firm with an office in nearby Parkersburg, from which this project will be managed. The firm will be joined by **Pickering Associates** to provide architectural design and MEP services, and **Triad Engineering** to provide geotechnical engineering services.

AMT has a proven track record of achieving excellence on our projects, including budget and schedule compliance. In addition to AMT's recent work on the Mineral Wells I-77 NB and SB Weigh Station Renovations in Wood County, our key personnel have provided engineering and associated services for several relevant projects (including several District Three facilities) in the past few years, including for the following:

- **New Ellenboro Substation, Ritchie County, WV**
- **Wirt County Headquarters, Wirt County, WV**
- **Mill Run Salt Shed, Wood County, WV**
- **Wood County Headquarters Salt Shed, Wood County, WV**
- VDOT Chantilly Area Headquarters and Maintenance Facility, Chantilly, VA
- Motor Pool Design at the Huntington Tri-State Armed Forces Reserve Center, Kenova, WV
- Multi-Agency Service Park Master Plan, Montgomery County, MD

AMT offers the WVDOH District Three available staff with solid, successful experience in the development of civil/site plans as well as associated infrastructure, roadway and parking. Our leaders will personally ensure not only the quality that you expect, but also the depth of manpower that will allow for 100% schedule compliance. We appreciate your consideration of our qualifications and look forward to the next stage of your selection process.

Kindly,
A. Morton Thomas and Associates, Inc.

Bartley "Bart" Schumacher, PE
Project Manager
bschumacher@amtengineering.com

Max Kantzer, PE, LEED AP
Principal-in-Charge
mkantzer@amtengineering.com

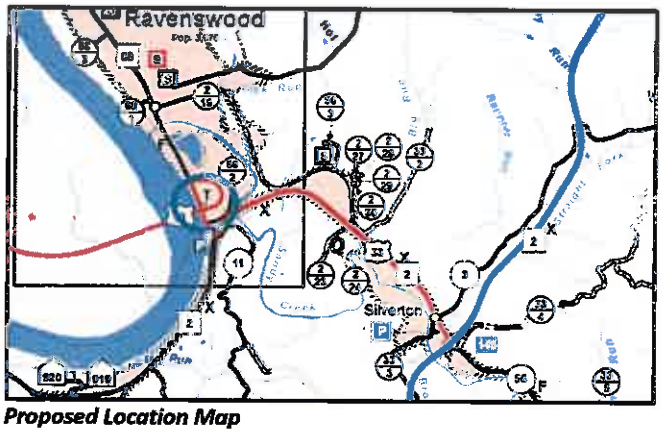
Project Understanding and Approach

Project Understanding

The West Virginia Acquisition and Contract Administration Section of the Purchasing Division is soliciting Expressions of Interest for the WV Division of Highways (WVDOH) from qualified firms to provide architectural/engineering services to prepare contract documents for the new Medina I-77 Maintenance Substation. The project includes preparing engineering plans for the construction of a new I-77 maintenance facility near the intersection of WV 2/US 33 with WV 68 in Ravenswood.

Proposed Site Location

The proposed location for the new Medina Substation is on the northeast quadrant of the intersection of WV 2/US 33 with WV 68 in Ravenswood. The proposed site is bisected by CR 68/2, which is an industrial access roadway that serves as the primary access to an industrial site which generates significant truck traffic. The existing site is state property that currently is utilized as a Park and Ride south of CR 68/2 and as a Division of Highways (DOH) parking facility north of CR 68/2.



Proposed Location Map

The existing Medina Substation is deficient in multiple areas and construction of a new facility at a new location is intended. The existing facility has limited space, deteriorated facilities, and lack of broadband access. The proposed site in Ravenswood has ample space for a modern facility, excellent access to the roadway network, and access to broadband and all utilities.

Existing Medina Substation

The project scope includes:

1. Preparing design and construction documents for a new office building with maintenance bays
2. Preparing design and construction documents for a new salt shed
3. Preparing design and construction documents for new fuel dispensers
4. Preparing design and construction documents for a new spreader shed
5. Preparing design and construction documents for a site layout and parking facilities

AMT has provided all the required services for similar projects, including DOT maintenance facilities, commercial and industrial development, army national guard readiness centers, vehicle fleet maintenance facilities, training facilities, and related facilities. Our projects have included roadway and utility infrastructure, site development, parking facilities design and improvements, roadways and traffic controls, and Anti-Terrorism/Force Protection (AT/FP) design such as perimeter fencing with breach detecting sensors, fenced parking, gate upgrades, CCTV systems, and lighting.

A key element of the planning for this project will be evaluating options and costs for layout of the site, including impacts and access to CR 68/2. Our transportation planners, site/civil engineers, and roadway engineers have extensive experience with state highway and facility projects, including planning and design of new maintenance facilities and offer similar and local experience.

AMT offers a team with the capability, the experience, the staffing and all the skills necessary to successfully complete this project for the WV Division of Highways.

Project Approach

Project Initiation

AMT's project manager will initiate the project with a kick-off meeting to discuss and confirm the scope of the project, roles and responsibilities, project schedule, client expectations, project funding and previous planning and other studies. The goal of the kick-off meeting is to confirm our understanding of the client and stakeholder goals and objectives.

Key team members will visit the project area to review and become familiar with existing conditions, surrounding land uses, natural and environmental assets, existing roadway connections and circulation patterns and other physical elements that may inform the planning process. We will also identify additional materials that may be needed to support the project planning, such as surveys, property plats, traffic data, GIS base maps, historic and cultural reports, environmental studies and other reports and plans that are significant to the proposed development.

Program Planning

The new Medina Substation will serve as the maintenance headquarters for a significant section of I-77 in Jackson and Wood Counties. We understand that the new Medina facility may also undertake maintenance responsibility for the expressway section of WV 2/US 33 from I-77 to WV 68.

As the first step in the planning process, we will review with the WVDOH and other stakeholders their goals and timeframes of the project. Together, we will identify the key objectives and the criteria for developing alternatives for the site layout.

For the Medina Substation, Pickering & Associates will provide architectural and Mechanical, Electrical, and Plumbing (MEP) services for the team. Pickering will utilize architectural information provided by the WVDOH as the basis for the conceptual footprint to be used as a basis for site planning.

Based on this information, we will prepare a summary of the project addressing potential layout of the various infrastructure pieces that will be constructed within the Medina Substation.

Site Evaluation

The design team will conduct a detailed site analysis of the development area. A detailed survey will be undertaken at the outset of the project. In addition, we will review National Wetland Inventory maps, FEMA floodplain maps and available environmental data and develop base maps of the project area. Our design team will ensure that base mapping encompasses all known features in the project area.

Looking East on CR 68/2 through Site Location

AMT will meet with the WVDOH and local regulatory agencies early in the project to confirm the review and approval process, regulatory requirements, municipal requirements, community outreach, significant issues that may affect the proposed project and opportunities for fast tracking approvals.

AMT will review property information and title reports provided by the client to identify existing easements and utilities that may encumber the property.

AMT will update the base maps to show property information, slopes, floodplains, wetlands, streams, forests, natural and historic resources and physical and environmental constraints that may impact the proposed project.

Based upon preliminary information, it is intended that the office building, maintenance bays, and fuel dispensers will be located on the parcel south of CR 68/2 and that the salt storage facility and spreader shed will be located on the parcel north of CR 68/2.

Transportation and Access to Site

Access to and from the proposed Medina Substation is critical to the maintenance operation and mission of the WVDOH. CR 68/2 (Old Route 2), a 2-lane local road, provides direct access to the site. CR 68/2 intersects WV 68 approximately 600 feet north of the WV 2/US 33 Expressway. The intersection of WV 68 with WV 2/US 33, which is traffic signal controlled, is approximately 2.35 miles west of the I-77 interchange with WV 2/US 33 at Silverton. Easy and efficient access to I-77 is vital to the WVDOH intended function of this site.

WV 68 NB Approach to CR 68/2

Intersection traffic operations issues will be reviewed as a component of the site access plan for the Median Substation. Traffic from the Medina facility, which includes a considerable number of trucks, will enter WV 68 via left turn to access I-77. A review of the control of this intersection will be undertaken to determine if operational improvements or additional traffic control devices will be needed. Also, the traffic signal at the intersection of WV 68 with WV 2 should be evaluated to determine if signal timing changes are needed or if signal maintenance is needed to repair vehicle actuation. At the interchange of I-77 with WV 2, the interchange should be evaluated to determine if operational improvements are needed. Currently, traffic backs up on the northbound exit ramp during peak hours, indicating that a traffic signal may be needed at this location.

Roadway Access to I-77

AMT will also work with WVDOH during the site development process to identify proposed entrance locations to the site to accommodate the layout and operational needs of the facility. AMT will evaluate the viability of the options in consideration of topography, environmental impacts, constructability, access to existing roadways and cost. Initially, it is assumed that CR 68/2 will intersect WV 68 at the current location.

Preliminary and Final Design plans, estimates and specifications will be prepared that meet AASHTO and local/State standards and specifications for roadway and bridge design.

Utilities Infrastructure

AMT will contact utility companies local to the site including Ravenswood Water & Sewer Department, Monongahela Power and/or First Energy, Dominion Gas and the telecom companies serving the area (Suddenlink, CAS, and Optimum) to discuss availability and proximity of utilities to the site and to request utility location information.

Based on the information provided, we will identify utility extensions and improvements that may be needed to service the development. Will also confirm the process and timeframes for utility agreements, design, approvals and construction.

Topographic and Utility Surveying

AMT will perform various types of surveys in support of the engineering design effort for the project. All survey effort will be performed to meet the Minimum Standards of Practice as outlined by the West Virginia Board for Professional Surveyors (WVBPS) in the annotated code of West Virginia as delineated in §30-13A-6. A control survey will be performed utilizing both GPS and conventional survey methods. The control survey will establish a horizontal and vertical survey control network throughout the project limits.

Utility Survey

AMT's survey team will review available utility records and as-built plans to identify potential underground facilities and will note existing overhead utilities.

Field Topographic Survey

AMT's survey team will develop topographic base plans as necessary for design of the access improvements, state and local road improvements and site development for the WVDOH facility. The survey will be produced with 2-foot contours, or as directed by the Army National Guard. Surveys will obtain the location, pipe sizes, material, and invert elevations of gravity sewer and storm drainage systems, SWM facilities, and all surface utility locations. Benchmarks and traverse points will be included in the construction plans. Spot elevations and break lines will be included in order to produce an accurate DTM surface file. All survey data and topo files will be reviewed for accuracy.

Survey Control

AMT will utilize the GPS data sheets from Jackson County to establish primary horizontal and vertical control using static GPS methods. A conventional field run closed loop traverse and differential levels will be run between the primary GPS points. We will follow the West Virginia State Plane Coordinate System, West Virginia Coordinate System of 1983 and NAVD 88 vertical datum.

Geotechnical Engineering

Triad Engineering, as a sub-consultant to AMT, will provide geotechnical engineering services for this project. Triad will review previous studies and provide supplemental investigations to establish recommendations for the pavement design, recommendations for building foundation design, and design recommendations for any other structural issues.

Roads and Infrastructure Construction Documents

Following finalization of the site plan, our team will develop preliminary design and cost estimates for the components of the Median Substation. We will submit preliminary plans to the WVDOH for review, along with any other stakeholders identified for the project.

After review and comment, we will prepare final construction documents that address preliminary review comments and provide complete coordinated construction plans, details and specifications ready for bidding.

We will prepare permit applications and pursue approvals with agencies including City of Ravenswood, Jackson County, WVDOH, WVDEP, and other agencies as required.

Site and Building Plans

Based on the building program and the initial site plan, AMT, Pickering Associates and the engineering team will work with the WVDOH to develop architectural concepts in conjunction with the preferred site layout and the WVDOH requirements for the facility and local zoning and site development regulations.

Based on the approved site plan and building concept, the design team will prepare final construction plans and specifications for the site and building construction.

The site development plans will include building footprint, parking layout, grading, site utilities, fencing and security, stormwater management, landscape and lighting, erosion and sediment control and associated details, notes and specifications.

Proposed Site Location

Building construction plans will include complete and coordinated architectural, structural, mechanical, electrical, plumbing, security, telecom, and data plans, elevations, sections, details, notes and specifications for a complete, functional facility meeting the requirements of WVDOH.

The design team will prepare the building permit application, submit for review and address comments.

Roadway and Pavement Design

State and local roads will be designed meeting WVDOH and AASHTO design criteria for the appropriate road classification.

Pavements will be designed to meet the expected heavy loads associated with the WVDOH facility based on geotechnical evaluation of the underlying soils, appropriate Equivalent Single Axle Load (ESAL) data, and the DARWin-ME software analysis tool to establish pavement thickness.

Stormwater Management and Erosion and Sediment Control

AMT will prepare stormwater management calculations and design meeting West Virginia Department of Environmental Protection criteria for all proposed construction. Our design will include a stormwater management system sized for the appropriate design year event in compliance with all state and local requirements for stormwater treatment.

AMT will prepare separate single phase Erosion and Sediment (E/S) control plans in accordance with the National Pollutant Discharge Elimination (NPDES) regulations as set forth by the federal Environmental Protection Agency (EPA). All local state criteria as established by the WVDEP will be adhered to as well. A detailed sequence of construction will apply for each project phase. A temporary pollution control plan will be submitted as part of the contract documents.

Permits and Approvals

The review process with Jackson County may include zoning, special use review, master plan review, subdivision review and site plan review, all of which AMT's team has the experience and capability to provide.

AMT will prepare all the necessary applications, sketches, and supporting documentation for land development approvals and entitlements, environmental permits and authorizations. AMT's staff are familiar with the permits and approvals administered by Jackson County, WVDEP, WVDOH, and local agencies.

Construction Cost Estimate and Contract Time Determination

AMT will prepare a construction cost estimate for all submittal stages. Quantities will be measured based on the standard WVDOH specifications and bid prices will be current market rate prices. AMT will review recent bid price information provided by the WVDOH in development of a detailed project estimate. Project construction items and quantities will be summarized in a table and the appropriate contingency will be added dependent on the level of completion of the project. The Estimate will be submitted for review at the Preliminary and Final submittal stage.

Construction Administration

Construction Administration services will be provided including shop drawing and request for information (RFI) reviews, progress meeting attendance and meeting minute preparation, change order review and recommendation, punch list for substantial completion and final acceptance, and record drawings based on contractor-provided redline markups.

Staffing Plan

AMT is committed to providing the following key staff to the WVDOH District Three for the duration of the New I-77 Medina Substation project:

Key staff are AMT employees unless noted as follows:
PA – Pickering Associates
TE – Triad Engineering
* Resumes included

Associate-in-Charge of WV Office / QC
*Timothy Kirk, PE, PTOE

Principal-in-Charge / QA
*Max Kantzer, PE, LEED AP

Project Manager
*Bart Schumacher, PE

Project Team

Site Planning / Layout Design
*Matthew Ernest, PE, LEED AP BD+C
*Aaron Smith, PE, LEED AP
Caleb Glaser, EIT

Stormwater Management, Drainage & Utilities
*Don Rissmeyer, PE, CFM
*Keith Sinclair, PE
Seth Logan, PE

Support Services

Architectural/Building
*Traci Stotts, AIA *(PA)*

MEP
*Jeffrey Hosek, PE *(PA)*
*Zac Campbell, PMP *(PA)*
*David Boggs, PE *(PA)*

Environmental
Brian Bernstein, AICP, ISA

Geotechnical
*Daniel Lipscomb, PE *(TE)*

Surveying
*John Claytor, PS

Staff Qualifications and Experience

Bart Schumacher, PE

Project Manager

Years of Experience: 24 With AMT: 2

Why selected for this project

- Has managed design services for several other substation and related projects
- Familiar with standards & requirements of WVDOH

Mr. Schumacher offers 24 years of transportation-oriented civil engineering experience. He has provided design and review support for all types of transportation projects including substations and weight stations, county headquarters facilities, salt sheds, parking lots, pavement and resurfacing projects, site access, intersection reconfiguration, retaining wall design, pedestrian enhancement improvements, widening for auxiliary lanes, and other maintenance related projects. As a former District Design Engineer for 21 years, Mr. Schumacher is very familiar with functions of county maintenance organizations and has designed design-bid-build projects for new facilities as well as structures built by District Forces. He is intimately familiar with the standards and requirements necessary for WVDOH projects.

REPRESENTATIVE PROJECTS

New Ellenboro Substation, Ritchie County WV: Design unit leader for project to construct new county substation near Ellenboro. Sample plans from other districts were used as a guide and the plans were altered to fit the needs of the maintenance organization and the site conditions. Floor plans for a new substation complete with offices and maintenance bays were developed. Mechanical, electrical, and plumbing plans were developed for the building. Plans were also developed for a new salt shed and spreader shed. The buildings were located work around existing buildings, to allow for the movement of large trucks, leave room for gas facilities, as well as other needs for stockpiling materials. Fencing was placed around the facility and utility coordination was required to bring electrical service to the area. Coordination with FHWA was required to break controlled access right of way for the project.

Mineral Wells I-77 NB and SB Weigh Station Renovations, Wood County, WV: Design leader for project to demolish and construct new weigh station facilities. Old buildings were demolished and replaced with new larger facilities. Roadway plans were developed to improve the bypass lanes as well as repair the existing concrete pavement on the project. Floor plans complete with mechanical, electrical, and plumbing details were completed as well as site plans for the site. Drainage was improved at the site. Coordination with a future pre-pass system was required and conduit and junction boxes were added to accommodate the system without causing future damage to the roadway. The scales were replaced and project lighting was modified to improve nighttime visibility at the scales. Concrete pads were added to place future outbuildings. The project required utility coordination as well as coordination with the Fire Marshall.

Wirt County Headquarters, Wirt County WV: Designer for project to construct new county headquarters. Sample plans from other districts were used as a guide and the plans were altered to fit the needs of the county maintenance organization and the site conditions. Floor plans for a new substation complete with offices and maintenance bays were developed. Mechanical, electrical, and plumbing plans were developed for the building. The building was located to work around existing buildings, to allow for the movement of large trucks, leave room for gas facilities, as well as other needs for stockpiling materials. Fencing was placed around the facility and utility coordination was required. Parking area was designed to maximize the space available due to the restricted amount of area available on-site.

Mill Run Salt Shed, Wood County, WV: Design unit leader for project to construct a new salt shed at Mill Run near I-77. Plans were developed to construct a new salt shed and demolish the old salt shed. Right of plans were developed to purchase additional property. Coordinated with maintenance section to size the salt shed according to the needs of the county and staying within budgeted authorizations.

Wood County Salt Shed, Wood County, WV: Design unit leader for project to construct a new salt shed at Wood County Headquarters. Plans were developed to construct a new salt shed using District Forces. Coordinated with maintenance section to size the salt shed according to the needs of the county and staying within budgeted authorizations. Walls for the shed were designed to hold up the parking lot above one of the walls.

EDUCATION

BS, 1993, Civil Engineering, West Virginia Institute of Technology

REGISTRATION

Professional Engineer: WV #14185

Max Kantzer, PE, LEED AP

Principal-in-Charge / QA

Years of Experience: 43 With AMT: 17

Why selected for this project

- Has managed numerous civil/site planning and design projects over 42 years
- Provides quality assurance for multi-disciplined teams to ensure resources & milestone achievement

REPRESENTATIVE PROJECTS

U.S. Census Bureau Headquarters Complex, Suitland, MD: Managed civil engineering for the design, permitting, and construction of roadway and utility infrastructure and site development for the new 37-acre $260 million US Census Bureau Headquarters campus. The project included 1.5 million square feet of office and special purpose facilities, 1 million square feet of structured parking, remote delivery facility and perimeter security and access.

Piney Orchard Planned Unit Development, Odenton, MD: Directed engineering services for the design and construction of over $33 million in public infrastructure improvements for a 1200-acre community with village center, community center, parks and recreation facilities, trails and 100-acre nature preserve with wetlands, streams, open meadows and woodlands.

Emergency Shelter, Montgomery County Coalition for the Homeless, Montgomery County, MD: Principal-in-Charge for the site design for the construction of a new 15,000 SF homeless shelter and 4,000 SF addition to an existing shelter building. Design services included site grading and layout, water and sewer system design, storm drain and stormwater management design, and erosion/sediment control. Additional services included coordination with review agencies for utility design and environmental permitting.

Baltimore Washington Industrial Park, Jessup, MD: 121-acre Industrial Park Development.

Upper Marlboro Revitalization Plan, Prince George's County, MD: Land use plan for commercial – light industrial area.

Zion Crossroads, Louisa County, VA: Land Use Study and Concept Development Plan – 4,700 acres.

EDUCATION

BS, 1975, Civil Engineering, Columbia University

REGISTRATION

Professional Engineer: MD, DC, VA, CO, NC, TN, PA
LEED Accredited Professional

Tim Kirk, PE, PTOE

Local Associate, Quality Control

Years of Experience: 24 With AMT: 4

Why selected for this project

- Manages AMT's West Virginia operations and provides quality oversight of work product
- Former District Three employee and highly knowledgeable of processes and procedures

REPRESENTATIVE PROJECTS

Mineral Wells I-77 NB and SB Weigh Station Renovations, Wood County, WV: Quality Control Reviewer for AMT's engineering design to demolish and construct new weigh station facilities. Old buildings were demolished and replaced with new larger facilities. Roadway plans were developed to improve the bypass lanes as well as repair the existing concrete pavement on the project. Floor plans complete with mechanical, electrical, and plumbing details were completed as well as site plans for the site. Coordination with a future pre-pass system was required and conduit and junction boxes were added to accommodate the system without causing future damage to the roadway.

West Virginia University Evansdale Campus Expansion Traffic Impact Study, Morgantown, WV: Prepared a traffic study report evaluating the impact to the Morgantown transportation network resulting from the expansion of the WVU Evansdale Campus. The study quantified impacts to corridor level operation of Patteson Drive and Monongahela Boulevard from the traffic generated by new university buildings and the closing of Evansdale Drive to through traffic. This project involved creation of a large-scale Synchro/SimTraffic model of the Evansdale campus for analysis of various scenarios and the impact of the Evansdale Drive closure. AMT was awarded first place in the studies category by ACEC in 2016.

Military Motor Pool at Huntington Tri-State Armed Forces Reserve Center, Kenova, WV: Quality Control Reviewer for AMT's design of a new military motor pool, including reconstruction of the access road to the parking area, along with grading and creation of a parking area to accommodate heavy military equipment. The project included lighting, drainage, and environmental permitting.

EDUCATION

BS, 1993, Civil Engineering, West Virginia University

REGISTRATION

Professional Engineer: WV #14169
Professional Traffic Operations Engineer (PTOE) through ITE #1524

Matt Ernest, PE, LEED AP BD+C

Site Planning/Layout Design

Years of Experience: 22 With AMT: 22

Why selected for this project

- Expertise includes site development and layout design, site grading, roadway and parking area design, pedestrian circulation, SWM including LID facilities, E/S control, drainage facilities, and utilities

REPRESENTATIVE PROJECTS

Military Motor Pool at Huntington Tri-State Armed Forces Reserve Center, Kenova, WV: Lead Civil Engineer for the design of a new military motor pool, including reconstruction of the access road to the parking area, along with grading and creation of a parking area to accommodate heavy military equipment. The project includes lighting, drainage, and environmental permitting.

Multi-Agency Service Park Master Plan, Montgomery County, MD: Lead Civil Engineer for site planning and assessment of the 135-acre site. Prepared site studies including grading, cut/fill analysis, infrastructure evaluation, assessment and layout, roadway layouts and profiles, SWM/ES concept planning and building location studies. Prepared presentation materials for owner, multiple user agencies and community collaboration.

P-140 Engineering and Communication Facility, Patuxent River Naval Air Station, MD: Civil Engineer for design, permitting, and CA services for this new LEED Silver engineering communications facility with an 80-space parking lot and utility infrastructure. Design included Anti-Terrorism/Force Protection (AT/FP), on-site water and sewer, water system extension, storm drainage, site grading and layout, SWM, and E/S control. Coordinated electrical and communication layout and profile.

Bioscience Education Center and Infrastructure Improvements, Germantown, MD: Lead Civil Engineer for civil/site design for a new 127,000 SF building with infrastructure including a parking lot, access road, 5,000 LF combined of water, sanitary sewer and storm drain, dry utility design and multiple SWM facilities. Obtained all site related permits and Zoning Site Plan approval from the local Review Authority.

EDUCATION

BS, 1997, Civil Engineering Technology, University of Pittsburgh

REGISTRATION

Professional Engineer: MD, VA, DC, PA
LEED Accredited Professional with Building Design and Construction Specialty

Aaron Smith, PE, LEED AP

Site Planning/Layout Design

Years of Experience: 21 With AMT: 16

Why selected for this project

- Site analysis and design for roadways and parking lots, trails, public plazas, and other infrastructure
- Expertise also includes site circulation, SWM including LID, E/S control, drainage, & utilities

REPRESENTATIVE PROJECTS

Development of 30-Acre Parcel for Russell County IDA, Lebanon, VA: Site/Civil Engineer for the development of a 30-acre industrial site. The project included survey, geotechnical exploration and testing, site grading, hydrologic analysis, drainage design, SWM, E/S control, access roads and entrances, construction administration and inspection services.

U.S. Census Bureau Headquarters Complex, Suitland, MD: Civil Engineer for design, permitting, and the construction of the new headquarters facility of the US Census Bureau. The offices and related special purpose facilities included structures totaling approximately 1.5 million GSF, and approximately 1 million SF of structured parking. Design elements included SWM facilities to meet federal and local codes, construction near wetlands and Waters of the US, and stream restoration. The project incorporated sustainable design to achieve a LEED Gold rating.

Southern Regional Tech Rec Complex, Prince George's County, MD: Civil Engineer for a new 36,000 SF educational and recreational community building, athletic field, and widening of over 1,000 LF of existing roadway. Provided design services including site grading and layout, water and sewer system design, storm drain and SWM design, E/S control.

Army National Guard Readiness Center, Arlington, VA: Provided a feasibility study associated with a new 62,500 SF addition to the East Wing of the Main Building on the Arlington campus of the Army National Guard. Site improvements associated with the addition include modifications to the existing terrace walls and garden, revised pedestrian circulation and ADA access, SWM, relocation of existing storm drain and water utilities, and installation of new storm, sanitary, and water connections.

EDUCATION

MS, 2002, Civil Engineering, University of Maryland
BS, 1997, Civil Engineering, University of Notre Dame

REGISTRATION

Professional Engineer: MD, VA, DC
LEED Accredited Professional

Don Rissmeyer, PE, CFM

SWM, Drainage, Utilities

Years of Experience: 28 With AMT: 12

Why selected for this project

- 28 years of experience in civil/site design with particular expertise in stormwater management and drainage design
- Similar facilities experience for DOTs

REPRESENTATIVE PROJECTS

VDOT Area Headquarters Maintenance Facilities and Parking Lots, Fairfax and Prince William Counties, VA: Lead civil engineer for developing the Manassas Traffic Field Operations (TFO) facility on 6-acres and the Chantilly/ Clifton Combined Area Headquarters (AHQ) on 19-acres. Sites included car and truck surface parking lots with access roads, utilities, site lighting, landscaping, drainage, stormwater management and related improvements.

Corridor D, WVDOH District Three, WV: Drainage design, culvert design and bridge scour evaluation associated with two bridges crossing the Little Kanahwa River. Also included peak discharge estimates, inlet spacing, and ditch design.

Town of Reedy Hydraulic Study, WVDOH District Three, WV: Analysis of the Reedy Creek hydraulics through an SR14 bridge crossing, resulting in a report providing WVDOH with recommendations to address recurring flooding problems in the Town.

I-64 Safety Rest Area (VDOT), New Kent County, VA: This VDOT design-build project included the main building, site improvements, public utilities, and other infrastructure. The design included a ductile iron water main with fire hydrants and other appurtenances.

Heartlands Business Park, Charlotte County, VA: Project Manager for the planning, design and construction of a shared use facility. Mr. Rissmeyer was responsible for the design and construction within a one-year time frame, including an 8" water main extension with fire hydrants, and the design of 2,700' of 12" gravity sewer extension to an existing pump station, as well as site improvements, utility appurtenances and other park infrastructure.

EDUCATION

BS, 1990, Civil Engineering, University of Virginia

REGISTRATION

Professional Engineer: WV [redacted]

Certified Floodplain Manager [redacted]

Keith Sinclair, PE

SWM, Drainage, Utilities

Years of Experience: 43 With AMT: 10

Why selected for this project

- Significant experience in the study, planning and design of wet utility infrastructure and coordination of dry utility providers
- Adept at determination of utility cost responsibilities

REPRESENTATIVE PROJECTS

VDOT Area Headquarters Maintenance Facilities and Parking Lots, Fairfax and Prince William Counties, VA: Senior engineer focusing on utilities aspects of this project—the development of the Manassas Traffic Field Operations (TFO) facility on 6-acres and the Chantilly/ Clifton Combined Area Headquarters (AHQ) on 19-acres. The project included included 2,000 LF of roadway extension to Murdock Street for access to the Chantilly project site with a 12" waterline extension, 1,000 LF of sanitary sewer and 4" force main design.

Police Tactical Operations Facility, Fairfax County, VA: Senior Engineer for schematic design for multiple site schemes for County review. Design includes review of zoning requirements, comprehensive plans, applicable provisions from the Public Facilities Manual, site constraints, access and parking, and utilities and preliminary stormwater management design.

Potomac Interceptor Long Term Odor Abatement Facility Site 31, Fairfax County, VA: Senior Project Manager for the site improvements for new odor abatement facility associated with the Potomac Interceptor trunk sewer. The civil design services included comprehensive site design, construction documents for grading, drainage, sanitary sewer and erosion/sediment control.

Southgate Drive Interchange/Huckleberry Trail Relocation, Blacksburg, VA: Utility Engineer and Coordinator for a roadway improvement project near Virginia Tech. Efforts included relocation design for wet utilities (sanitary sewer and water) disturbed by the new construction and coordination with dry utility companies (electric, telephone, cable television, communications) to integrate new and relocated facilities into the overall project. Critical utilities remained in service throughout construction.

EDUCATION

BS, 1975, Civil Engineering, Virginia Tech

REGISTRATION

Professional Engineer: WV #8868

Traci Stotts, AIA

Architecture

Pickering Associates

Why selected for this project

- Over 20 years of architectural design experience including for facilities similar to Medina Substation
- Experiences in West Virginia (e.g , Parkersburg, Ellensboro, Vienna)

REPRESENTATIVE PROJECTS

Full Service Maintenance Facility (ODOT), Monroe County, OH: Lead architect and project manager. Project scope includes meeting weekly with the Client and OFFC during the design phases and manage all aspects of coordination with the Client and design team. Design elements were coordinated amongst the team and all design phase submittals were completed and submitted on time for third party review and comments. Coordinated all permitting efforts with Industrial Compliance and assisted with project bidding and coordination. Traci is also familiar with OAKS CI processes and submittals.

Full Service Maintenance Facility (ODOT), Washington County, OH: Lead architect and project manager. Project scope includes meeting weekly with the Client and OFFC during the design phases and manage all aspects of coordination with the Client and design team. Design elements were coordinated amongst the team and all design phase submittals were completed and submitted on time for third party review and comments. Coordinated all permitting efforts with Industrial Compliance and assisted with project bidding and coordination. Traci is also familiar with OAKS CI processes and submittals.

Full Service Maintenance Facility (ODOT), Vinton County, OH: Lead architect and project manager. Project scope includes meeting weekly with the Client and OFFC during the design phases and manage all aspects of coordination with the Client and design team. Design elements were coordinated amongst the team and all design phase submittals were completed and submitted on time for third party review and comments. Coordinated all permitting efforts with Industrial Compliance and assisted with project bidding and coordination. Traci is also familiar with OAKS CI processes and submittals.

EDUCATION

MS, Technology Management, Marshall University
BS, Architecture, The Ohio State University

REGISTRATION

Professional Architect: WV, OH

Jeffrey Hosek, PE, LEED AP

Mechanical Engineering

Pickering Associates

Why selected for this project

- Specializes in mechanical engineering, including innovation design and LEED experience
- Experience with similar facilities for ODOT and with clients in West Virginia

REPRESENTATIVE PROJECTS

Full Service Maintenance Facility (ODOT), Monroe County, OH: Lead mechanical engineer. This project included project meetings with the ODOT/OFCC that included weekly updates on equipment and systems layouts. Performing all of the heating, cooling, and ventilation calculations to meet building code, space and specification requirements. Design included split system direct expansion units, welding exhaust, radiant heat, and make-up air units. Currently reviewing submittals and providing limited construction administration assistance for the mechanical systems during construction.

Full Service Maintenance Facility (ODOT), Washington County, OH: Lead mechanical engineer. This project included developing all of the heating, cooling, and ventilation calculations to meet building code, space and specification requirements. Design included split system direct expansion units, welding exhaust, radiant heat, and make-up air units. Currently reviewing submittals and providing limited construction administration assistance for the mechanical systems during construction.

Vienna Police Department Annex, Vienna, WV: Lead mechanical engineer for the design of mechanical systems for the annex for heating, cooling, and ventilation equipment. Design includes load analysis, sizing, air distribution, water distribution, and controls.

Full Service Maintenance Facility (ODOT), Vinton County, OH: Lead mechanical engineer. This project scope included a complete design build of a new facility in Vinton County. Design included split system direct expansion units, welding exhaust, radiant heat, and make-up air units. Additionally, developing the heating, cooling, and ventilation calculations to meet building code, space and specification requirements. Currently reviewing submittals and providing limited construction administration.

EDUCATION

BS, Mechanical Engineering, University of Akron

REGISTRATION

Professional Engineer: WV, OH, KY, PA, LA, VA, MN

Zac Campbell, PMP

Electrical Engineering

Pickering Associates

Why selected for this project

- Specializes in electrical engineering, including both interior and exterior lighting
- Experience with similar facilities for ODOT and with clients in West Virginia

REPRESENTATIVE PROJECTS

Full Service Maintenance Facility (ODOT), Monroe County, OH: Lead electrical engineer. Designed and developed electrical systems for the new facility. Project scope included all exterior and interior lighting, for the three new structures, as well as all the panel work, pump installations for wash bays and tanks, and data/outlet installations. Coordinated with ODOT/OFCC and attended the weekly meetings to give updates to ensure that design plans were on track with the client's needs.

Full Service Maintenance Facility (ODOT), Washington County, OH: Lead electrical engineer. Designed and developed electrical systems for the new facility. Project scope included all exterior and interior lighting, for the three new structures, as well as all the panel work, pump installations for wash bays and tanks, and data/outlet installations. Coordinated with ODOT/OFCC and attended the weekly meetings to give updates to ensure that design plans were on track with the client's needs.

Vienna Volunteer Fire Department, Vienna, WV: Lead electrical engineer for the design of the electrical systems for the two-story annex including; incoming electrical service, interior and exterior lighting, general receptacle and power layout, grounding systems, mechanical equipment power connections, building electrical distribution, low-voltage communication systems, life safety systems and fire detection and alarm systems.

Full Service Maintenance Facility (ODOT), Vinton County, OH: Lead electrical engineer. Designed and developed electrical systems for the new facility. Project scope included all exterior and interior lighting, for the three new structures, as well as all the panel work, pump installations for wash bays and tanks, and data/outlet installations. Coordinated with ODOT/OFCC and attended the weekly meetings to give updates to ensure that design plans were on track with the client's needs.

EDUCATION

BS, Mechanical Engineering, University of Akron

REGISTRATION

Professional Engineer: WV, OH, KY, PA, LA, VA, MN

David Boggs, PE

Plumbing Engineering

Pickering Associates

Why selected for this project

- Specializes in mechanical and plumbing engineering
- Experience with similar facilities for ODOT and with clients in West Virginia

REPRESENTATIVE PROJECTS

Full Service Maintenance Facility (ODOT), Monroe County, OH: Plumbing engineer. Project scope included complete site demolition of existing structures and design build of brand new facilities. Design included wash-bay areas, pump stations, and all office space restroom facilities.

Full Service Maintenance Facility (ODOT), Washington County, OH: Plumbing engineer. Project scope included complete site demolition of existing structures and design build of brand new facilities. Design included wash-bay areas, pump stations, and all office space restroom facilities.

Vienna Volunteer Fire Department, Vienna, WV: Lead engineer for the design of plumbing; including sanitary drainage, storm drainage, domestic potable water, and natural gas piping.

Full Service Maintenance Facility (ODOT), Vinton County, OH: Plumbing engineer. Project scope included complete design build of brand new facilities. Design included wash-bay areas, pump stations, and all office space restroom facilities.

Vienna Police Department Annex, Vienna, WV: Lead engineer for the design of plumbing; including sanitary drainage, storm drainage, domestic potable water, and natural gas piping.

Medical Office Facility, Parkersburg, WV: Mechanical/ Plumbing Engineer of record for new $7M building, designed for multiple HVAC zones to reflect tenant separation requirements of the building owner. Tenant design was based on Pharmacy, prosthetic laboratory, medical offices and a restaurant. Common restrooms, private bathrooms, and exam room sinks comprised the plumbing system design requirements.

EDUCATION

MS, Engineering Management, Marshall University
BS, Mechanical Engineering, Virginia Tech

REGISTRATION

Professional Engineer: WV, OH

Daniel Lipscomb, PE

Geotechnical Engineering

Triad Engineering

Why selected for this project

- Over 15 years of experience with geotechnical engineering and materials testing
- Has extensive experience with the geologic conditions in West Virginia

REPRESENTATIVE PROJECTS

WV Route 2 over Proctor Creek, Wetzel County, WV: Participated on all geotechnical aspects of the bridge project including developing a boring layout based on the project concept provided by the client. Working with AMT as the prime consultant, participated in providing recommendations and design parameters for alternate deep foundation types through design iterations that saw the preferred concept transition from a 3 span to a single span structure. Also provided foundation recommendations and bearing capacity computations for each of the bridge abutments and piers during the iterative process.

East Beckley Bypass-Rural Acres Drive to Stanaford Road, Raleigh County, WV: Geotechnical Engineer for developing a boring layout based on project cross-sections, supervision of work of field inspectors during the subsurface investigation, design of cut and fills slopes, performing settlement calculations for embankment fills, estimating shrink/swell factors for excavated materials, and tabulating probable sources of select embankment. He also provided foundation recommendations and bearing capacity computations for each of the bridge abutments and piers.

Hurricane Creek Bridges Design-Build, Wayne County, WV: Geotechnical Engineer for multiple bridges including developing a boring layout based on project cross-sections. His work included supervision of work of field inspectors during the subsurface investigation. Participated in providing recommendations and design parameters for alternate deep foundation types.

EDUCATION

BS, 2002, Civil Engineering, Fairmont State College

REGISTRATION

Professional Engineer: WV [redacted]

John Claytor, PS

Surveying

Years of Experience: 35 With AMT: 5

Why selected for this project

- Over 35 years of combined survey experience related to field, office and management tasks
- Aerial and field-run topographic surveys, boundary surveys, corridor mapping, utility surveys, plats

REPRESENTATIVE PROJECTS

Mineral Wells I-77 NB and SB Weigh Station Renovations, Wood County, WV: Survey Manager in support of AMT's engineering work associated with demolishing existing and constructing new weigh station facilities, as well as associated roadway and drainage improvements. Concrete pads were added to place future outbuildings. AMT provided supplement to existing survey from the District with additional topographic survey shots outside of the access roads and parking areas.

WV Route 2 over Proctor Creek, Wetzel County, WV: Project Surveyor for the replacement of the 3-span, approximately 230-foot long bridge carrying WV 2 over Proctor Creek. The existing rural bridge is located along a curved horizontal alignment and carries two traffic lanes in each direction with a roadway width of approximately 50 feet. The survey and mapping included approximately 35 individual properties adjacent to the public right-of-way and coordination with WVDOH staff to apply information contained in archive mapping. AMT design services involve bridge deck and superstructure design, modification of existing abutments to joint-less abutments, roadway widening design plans, and maintenance of traffic.

Steam and Power Generation Facility, Norfolk Naval Station, VA: Survey Manager for control surveys, topographic surveys and utility as-built surveys for a steam and power generation facility at Norfolk Naval Station. Survey deliverables were prepared in AutoCAD Civil 3D, and the project also included geotech boring stakeout and utility designating (quality level B) by marking and identifying underground utilities. The work required attaining proper security clearances for staff.

EDUCATION

BS, 1990, Civil Engineering, University of Virginia

REGISTRATION

Professional Surveyor: WV [redacted]

References

West Virginia Department of Transportation, Division of Highway (DOH)

Mr. Joshua Smith
Acting Building and Grounds Program Manager
624 Depot Street
Parkersburg, West Virginia 26101
304-887-2325 (phone)
Joshua.R.Smith@wv.gov

Josh Smith was the project manager at WVDOH who reviewed all work performed by AMT for the Mineral Wells I-77 Northbound and Southbound Weigh Station Renovation.

West Virginia Department of Transportation, Division of Highway (DOH)

Mr. Dennis Alderson
Engineering Division
1334 Smith Street
Charleston, West Virginia 25301
304-558-9679 (phone)
Dennis.R.Alderson@wv.gov

Dennis Alderson was the primary reviewer at WVDOH who reviewed all work performed by AMT's Project Manager, Bart Schumacher, PE, while working for WVDOH.

West Virginia Department of Transportation, Division of Highway (DOH)

Mr. David Brabham
Acting District Engineer
1 DOT Drive, Moundsville WV 26041-1605
304-843-4000 (phone)
David.E.Brabham@wv.gov

David Brabham was Maintenance Engineer during some of Mr. Schumacher's tenure as District Design Engineer and can verify Bart's role in assisting on various projects for Maintenance building projects.

Similar Projects

Mineral Wells I-77 NB and SB Weigh Station Renovations

AMT provided surveying and engineering design for this project to demolish and construct new weigh station facilities. Old buildings were demolished and replaced with new larger facilities. Roadway plans were developed to improve the bypass lanes as well as repair the existing concrete pavement on the project. Floor plans complete with mechanical, electrical, and plumbing details were completed as well as site plans for the site. Drainage was improved at the site. Coordination with a future pre-pass system was required and conduit and junction boxes were added to accommodate the system without causing future damage to the roadway. The scales were replaced and project lighting was modified to improve nighttime visibility at the scales. Concrete pads were added to place future outbuildings. The project required utility coordination as well as coordination with the Fire Marshall.

New Ellenboro Substation

AMT's Project Manager, Bart Schumacher, was the Design Unit leader for the construction of a new Ritchie County substation near Ellenboro. The Ellenboro Substation was a replacement facility for the dilapidated Greenwood Facility utilized for maintenance of US Route 50. Plan resources were utilized as a guide and the architectural and site plans were altered to fit the needs of the maintenance organization and the site conditions. Floor plans for a new substation complete with offices and maintenance bays were developed. Mechanical, electrical, and plumbing plans were developed for the building. Plans were also developed for a new salt shed and spreader shed. The buildings were located to avoid conflict with existing buildings, to allow for the movement of large trucks, leave room for fuel dispensers, as well as other needs for stockpiling materials. Fencing was placed around the facility and utility coordination was required to bring electrical service to the area. Coordination with FHWA was required to break controlled access right of way for the project.

Mill Run Salt Shed

AMT's Project Manager, Bart Schumacher, was the Design Unit leader for a project to construct a new salt shed at the Mill Run I-77 Expressway Maintenance Facility at the interchange of I-77 with WV 47 (Exit 174) near Parkersburg. This facility serves as the expressway maintenance headquarters from the Ohio line to the Medina Section boundary. Plans were developed to construct a new salt shed and demolish the old dilapidated salt shed. Right of Way plans were developed and additional property was acquired to construct a larger salt shed. The building was located to ensure efficient truck access to the facility, for both delivery and snow and ice removal equipment. Coordinated with maintenance section to size the salt shed according to the requirements of Wood County and remaining within budgeted authorizations.

Military Motor Pool at Huntington Tri-State Armed Forces Reserve Center

AMT designed a new military motor pool for the Huntington Tri-State Armed Forces Reserve Center in Kenova, West Virginia. Design services include the preparation of all preliminary and final working drawings, specifications, detailed cost estimates, bidding and construction schedules, assistance in surveying, and analyzing and evaluating bids for construction. The motor pool addition area consists of approximately 1.5 acres.

The primary goals of the project include reconstruction of the access road to the parking area to better accommodate heavy vehicles and improving the alignment at the intersection of the adjoining roadway; grading, draining, and stabilizing the site for the creation of a parking area to accommodate heavy military equipment; and lighting of the project area.

VDOT Chantilly Area Headquarters and Maintenance Facility

AMT provided civil engineering and surveying services on two new state facilities for the Virginia Department of Transportation (VDOT) – the 6-acre Manassas Traffic Field Operations (TFO) facility and 19-acre Chantilly/Clifton Area Headquarters (AHQ) facility.

Surface parking lot designs included access roads, internal circulation for turning movements, space sizing for cars and maintenance vehicles, loading areas, geotechnical pavement sections, traffic signage and pavement striping, curb and gutter, and related work. Site design also included site grading, retaining walls, storm drainage, erosion and sediment control, stormwater management, landscaping, and public and private utility improvements including water mains, sewer mains, gas mains, utility services, underground electrical and communications systems, and site lighting.

Additional A/E services included surveying, construction stakeout, environmental permitting, and construction phase assistance throughout the project. Design review included AARB, DCR, and BCOM while also working closely with VDOT's Northern Virginia Office and central office Capital Outlay Section.

Multi-Agency Service Park Master Plan

AMT provided civil engineering services for the master planning and infrastructure design of a 135-acre site to serve as the home to County facilities including Public Safety Training, Public Schools Maintenance and Food Service, and Park and Planning Maintenance. Services included **stormwater management** (utilizing Low Impact Development techniques); **natural resources inventory** including mapping floodplain and forested areas; conservation plan; **grading plans** and earth work studies including designs to minimize the need for retaining walls; **water and sanitary sewer** mapping; and off-site roadway improvements and traffic studies coordination.

The Multi-Agency Service Park project included numerous community workshops and user meetings.

Development of 30-Acre Parcel for Russell County IDA

AMT provided consulting services for a 30-acre industrial park site for the Russell County Industrial Development Authority (IDA). Services included surveying, geotechnical engineering, site grading plans, drainage design, utility adjustment and relocation, stormwater management, erosion and sediment control, access road design and entrance plans, as well as construction documents, bid packages, contract administration, construction administration and construction inspection services. Also assisted with funding applications.

Full Service Maintenance Facility, Monroe County, OH

Pickering Associates is working with the Ohio Department of Transportation and OFCC on a Full-Service Maintenance Facility in Monroe County in Southeastern Ohio. This facility includes a truck storage building with an administrative section and a mechanical services section, a cold storage structure, a salt storage structure, a material storage structure, an 8,000 gallon above ground fuel storage tank, a vehicle wash bay, and a brine/calcium system.

This project is located at an existing DOT site and included demolition of existing structures. This project required that a Program of Requirements (POR) to be developed in close conjunction with ODOT to determine the requirements for the project. This facility required site circulation for Trucks and Semi Trucks, for ODOT's trucks and equipment to maneuver the site. The project was designed as separate bid packages for each structure to aid in the permitting process. Due to low water pressure at the site, a fire water tank and pump was also included in the design to ensure proper water fire water capabilities.

The Pickering team provided full architectural, mechanical, electrical, plumbing, structural, and civil engineering design as well as environmental engineering, surveying, and construction administration services. The firm is managing the construction photography services and quality assurance & testing services during construction of this $9 million facility.

Vienna Volunteer Fire Department, Vienna, WV

Pickering Associates designed a new two-story annex to expand a local volunteer fire department's existing fire station facility. The new building contains first-floor pull thru truck bay, conference room, equipment storage and restroom facilities and second-floor offices and storage spaces.

With the schematic design completed, a 3D color rendering was provided to the client for establishing funding. They could use Pickering's schematic plans and renderings for grant and loan applications. This brick and block facility is an approximate 6,300 SF slab on grade with the second-floor construction of light gauge metal framing and shingled roof. The building features a vehicle exhaust system for servicing the fire trucks, new signage and louvers on the front facade and a complete sprinkler system.

The bid process included seven responsive bidders with four being within 10% of the construction estimate. All aspects of the $725,000 project were coordinated with the Mayor of Vienna and associated parties.

Full Service Maintenance Facility, Washington County, OH

Pickering Associates is working with the Ohio Department of Transportation and OFCC on a Full-Service Maintenance Facility in Washington County in Southeastern Ohio. This facility includes a truck storage building with an administrative section and a mechanical services section, a cold storage structure, a salt storage structure, a material storage structure, an 8,000 gallon above ground fuel storage tank, a vehicle wash bay, a decanting area, and a brine/calcium system. This project is located at an existing DOT site and included demolition of existing structures. Also included in this project was the renovation of an existing maintenance building to be converted into the District's testing lab facility.

This project required that a Program of Requirements (POR) to be developed in close conjunction with ODOT to determine the requirements for the project. This facility required site circulation for Trucks and Semi Trucks, for ODOT's trucks and equipment to maneuver the site. The project was designed as separate bid packages for each structure to aid in the permitting process.

The Pickering team provided full architectural, mechanical, electrical, plumbing, structural, and civil engineering design as well as environmental engineering, surveying, and construction administration services. The firm is managing the construction photography services and quality assurance & testing services during construction of the $9 million facility.

Full Service Maintenance Facility, Washington County, OH

Pickering Associates is working with the Ohio Department of Transportation and OFCC on a Full-Service Maintenance Facility in Vinton County in Southeastern Ohio. This facility was designed in response to a fire that destroyed one of the buildings at their existing facility. A new site was obtained by ODOT and the design of the facility includes a truck storage building with an administrative section and a mechanical services section, a cold storage structure, a salt storage structure, a material storage structure, an 8,000 gallon above ground fuel storage tank, a vehicle wash bay, and a brine/calcium system.

This project required that a Program of Requirements (POR) to be developed in close conjunction with ODOT to determine the requirements for the project. This facility required site circulation for Trucks and Semi Trucks, for ODOT's trucks and equipment to maneuver the site. A two-tier site plan was developed to work with the slope of the existing grading and to minimize costs. The project was designed as separate bid packages for each structure to aid in the permitting process.

The Pickering team provided full architectural, mechanical, electrical, plumbing, structural, and civil engineering design as well as environmental engineering, surveying, and construction administration services. The firm is managing the construction photography services and quality assurance & testing services during construction of the $9 million facility.

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

State of West Virginia
Centralized Expression of Interest
02 — Architect/Engr

Proc Folder: 451805

Doc Description: ADDENDUM_1: EOI - DISTRICT THREE, NEW I-77 MEDINA SUBSTATION

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2018-06-19	2018-07-03 13:30:00	CEOI 0803 DOT1800000001	2

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

Vendor Name, Address and Telephone Number:

A. Morton Thomas and Associates, Inc.
417 Grand Park Drive, Suite 102
Parkersburg, West Virginia 26105
304-400-4952

FOR INFORMATION CONTACT THE BUYER

Mark A Atkins
(304) 558-2307
mark.a.atkins@wv.gov

Signature X FEIN # 52-0728302 **DATE** July 2, 2018

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

FORM ID : WV-PRC-CEOI-001

ADDENDUM_1: Is issued for the following:
1. To publish the Agency responses to the questions submitted by Vendors during the Technical Questioning period.

No other changes made.

The Acquisition and Contract Administration Section of the Purchasing Division is soliciting Expression(s) of Interest (EOI) for the West Virginia Division of Highways (WVDOH), District Three Headquarters (Agency), from qualified firms to provide architectural/engineering services (Vendors) as defined herein.

* Online submission of Expression of Interests are Prohibited

DIVISION OF HIGHWAYS DISTRICT THREE 624 DEPOT ST PARKERSBURG WV26101 US	DIVISION OF HIGHWAYS DISTRICT THREE 624 DEPOT ST PARKERSBURG WV 26101 US

Line	Comm Ln Desc	Qty	Unit Issue
1	EOI - DISTRICT THREE, NEW I-77 MEDINA SUBSTATION		

Comm Code	Manufacturer	Specification	Model #
81101508			

Extended Description :
EOI - DISTRICT THREE, NEW I-77 MEDINA SUBSTATION

Line	Event	Event Date
1	Technical Questions due by 2:00pm EDT:	2018-06-18

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

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.

Bartley L Schumacher Project Manager

(Name, Title)
Bartley L. Schumacher, PE - Project Manager

(Printed Name and Title)
417 Grand Park Drive, Suite 102, Parkersburg, West Virginia 26105

(Address)
304-400-4952 (Phone Number) / 304-400-4953 (Fax Number)

(Phone Number) / (Fax Number)
bschumacher@amtengineering.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.

A. Morton Thomas and Associates, Inc.

(Company)

Max Kantzer, PE, LEED AP - Principal

(Authorized Signature) (Representative Name, Title)

Max Kantzer, PE, LEED AP - Principal

(Printed Name and Title of Authorized Representative)

July 2, 2018

(Date)

304-400-4952 (Phone Number) / 304-400-4953 (Fax Number)

(Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI 0803 DOT1800000001

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

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

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

[x]	Addendum No. 1	[ ]	Addendum No. 6
[ ]	Addendum No. 2	[ ]	Addendum No. 7
[ ]	Addendum No. 3	[ ]	Addendum No. 8
[ ]	Addendum No. 4	[ ]	Addendum No. 9
[ ]	Addendum No. 5	[ ]	Addendum No. 10

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

A. Morton Thomas and Associates, Inc.
Company

Authorized Signature

July 3, 2018
Date

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

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: A. Morton Thomas and Associates, Inc.

Authorized Signature: _____ Date: July 2, 2018

State of Maryland

County of Montgomery, to-wit:

Taken, subscribed, and sworn to before me this 2 day of July, 2018.

My Commission expires 1/12/2021.

AFFIX SEAL HERE

NOTARY PUBLIC _____

JANICE J. GARY
NOTARY PUBLIC
MONTGOMERY COUNTY
My Commission Expires 01-12-2021