AMT

August 29, 2018

Ms. Stephanie L. Gale, Senior Buyer
State of West Virginia
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, West Virginia 25305-0130

RE: **Volkstone Perimeter Fencing (Design) Camp Dawson**
Solicitation No. CEOI 0603 ADJ1900000004
AMT File No. P18-0825

Dear Ms. Gale:

A. Morton Thomas and Associates, Inc. (AMT) is pleased to submit our response to this Expression of Interest to the West Virginia Army National Guard for Volkstone Perimeter Fencing (Design) that meets all Anti-Terrorist Force Protection (ATFP) standards, located at Camp Dawson, near Kingwood, WV. We have extensive experience designing high quality, cost conscious military-based road projects, utilizing our knowledge of the best materials and design methods. AMT will be joined by **NGE** to provide geotechnical services.

AMT has a proven track record of achieving excellence on our projects, including budget and schedule compliance. We have provided engineering and associated services for several fencing/security design projects in the past few years, including for the following:

- Military Motor Pool at Huntington Tri-State Armed Forces Reserve Center
- P-561 Prototype Hangar Facility Perimeter Fencing, NAVFAC
- Architect of the Capitol – U.S. Senate Perimeter Fencing
- Smithsonian Institution – Mall-wide Perimeter Security
- U.S. Naval Academy Gate 8 and Perimeter Fence
- DHS Nebraska Avenue Complex Perimeter Security, Access Control, and Visitor Center
- Defense Intelligence Analysis Center at Bolling Air Force Base

AMT offers the West Virginia Army National Guard available staff with solid, successful experience in perimeter fencing design. 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

Michael Wiercinski, PE, PS
Principal-in-Charge
mwiercinski@amtengineering.com

Project Understanding and Approach

Project Understanding

AMT understands that the scope of this project is to provide engineering services to develop bid documents for perimeter security fence for the Volkstone Training Site, which is in need of further protection and security. AMT has provided these services on numerous military installations, including readiness centers, training centers and military settings for numerous federal clients.

Volkstone Training Site

Project Approach

Based on our understanding of the scope of work, AMT has developed a list of key design parameters for the project.

Field Walk of Fencing Alignment

At the project Notice to Proceed, AMT will field work the fencing location with the client and mark the preliminary fence locations. This marked route will be utilized as the baseline for the topographic survey and wetland delineations.

Topographic and Utility Surveying

AMT will perform various types of surveys in support of the engineering design effort for the project. Surveys 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 note the location of all overhead utilities and review Army National Guard records and available as-built plans to note any potential underground facilities. Underground utilities will be designated in accordance with C/I/ASCE 38-02.

Field Topographic Survey: AMT's survey team will develop topographic base plans extending the full length of the project and 200 feet from the anticipated project limits. The survey will be produced with 1-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 Preston 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.

Utility Coordination

AMT will coordinate with the local utility companies and the base regarding location of existing utilities. AMT will utilize the utility information obtained during the survey to identify which utilities may be in conflict with the proposed construction. We will coordinate directly with each company to work out a relocation of their utility, or as much as possible, modify our design to avoid the utility.

Geotechnical Engineering

NGE, as a subconsultant to AMT, will provide geotechnical engineering services for this project. NGE will review previous studies and provide supplemental investigations to establish recommendations for the pavement design for the pavement reconstruction. NGE will collect soil and strata borings in proposed work area as part of the geotechnical report that will be utilized by the AMT design team.

Fencing and AT/FP Design Measures

AMT will collaborate with the base security personnel to determine the design requirements for the perimeter fencing and AT/FP control measures. AMT will utilize Unified Facilities Criteria (UFC) 4-010-01 DoD Minimum Antiterrorism Standard for Building as well as UFC 4-022-03 Security Fencing and Gate as the basis for our design approach and preparation of the construction and permitting documents. Once the buildings are surveyed, AMT will delineate the various Conventional Construction Stand-Off Distances to develop the extents of the controlled perimeter. AMT will also work with the base to develop requirements for any controlled entry points including vehicular and pedestrian gates.

Drainage/Stormwater Management

Existing drainage features will be inventoried and inspected for condition. Drainage analysis will be performed to determine if the existing drainage is sufficient to handle the design storm. Stormwater management will be designed if required. Fencing location will be coordinated with any drainage piping and/or swales. The fence will be designed with applicable measures at this crossing locations.

Erosion and Sediment Control

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

AMT will prepare all the necessary applications, sketches, and supporting documentation for the environmental permits and authorizations. AMT's staff includes experts dedicated to processing and tracking permits. They are familiar with the permits and approvals administered by WVDEP and other resource agencies.

Construction Cost Estimate and Contract Time

AMT will prepare a construction cost estimate for all submittal stages. Quantities will be measured based on the standard Department of the Army specifications and bid prices will be current market rate prices. We will review current unit bid prices for the 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.

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 West Virginia Army National Guard for the duration of the Camp Dawson Volkstone Perimeter Fencing Design Project:

Key staff are AMT employees unless noted as follows:
NGE – NGE *(Geotechnical Engineering)*

Principal-in-Charge / QA
Max Kanzter, PE, LEED AP

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

Project Manager
Bart Schumacher, PE

Project Team

Civil Engineering
Matthew Ernest, PE, LEED AP BD+C
Aaron Smith, PE, LEED AP

Geotechnical Engineering
John Nottingham, PE *(NGE)*

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:

- Project Manager for AMT's current project with the WV Army National Guard Motor Pool. Experienced project manager for a variety of transportation and site layout projects.

REPRESENTATIVE PROJECTS

Military Motor Pool at Huntington Tri-State Armed Forces Reserve Center, Kenova, WV: Project Manager 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, drainagae, and environmental permitting. Familiar with military requirements and specifications for force protection for military facilities. The project consisted of the preparation of contract plans and specifications.

Ellenboro Substation, Ritchie County, WV: Design Leader for a project to construct new facilities for the WVDOH. The project consisted of the preparation of contract plans and specifications for the construction of office building, maintenance bays, salt shed, spreader sheds, and gas pumps. Perimeter fencing was placed around the facility and gates were placed to accommodate large vehicle turning movements. Right of way plans were prepared for right of way acquisition and coordination with FHWA was required to modify existing controlled access fencing.

Wirt County Headquarters, Wirt County, WV: Designer for a project to construct new county headquarters for the WVDOH. The project consisted of the preparation of contract plans and specifications for the construction of office building, work bays, and wash bay. Fence was constructed on the entire length of the sites perimeter.

EDUCATION

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

REGISTRATION

West Virginia Professional Engineer [redacted]

Max Kantzer, PE, LEED AP

Principal-in-Charge (PIC) / QA

Years of Experience: 43 With AMT: 26

Why selected for this project:

- Expertise providing civil engineering services for anti-terrorism force protection for federal facilities and military installations

REPRESENTATIVE PROJECTS

Smithsonian Perimeter Security Improvements, Washington, DC: Managed comprehensive civil engineering services for perimeter security project for Smithsonian Institution's (SI) NASM, NMNH, and NMAH on the National Mall. Projects included initial topographic survey, utility designating/mapping, document research, concept planning and alternatives evaluations, civil construction documents, permitting, bidding assistance, and construction administration. Scope included site demolition, site plans, grading, drainage, roadway, parking lots, loading docks, accessibility, utility protection / relocations, stormwater management, and sediment and erosion control.

Bolling Air Force Base Defense Intelligence Analysis Center (DIAC), Washington, DC: Project Manager for civil engineering and surveying for this silver LEED rated $100 M addition to the DIAC at Bolling AFB. The civil design services included comprehensive site design, construction documents and construction administration for grading, drainage, force protection, utilities relocations, stormwater management, erosion and sediment control, paving, and site striping and signage for the 34-acre site.

Census Bureau Headquarters Design-Build, Suitland, MD: Project Manager for comprehensive surveying and civil engineering services for new 1.5 million SF Census building, one million SF of structured parking and all associated site work including perimeter security, visitor center, entrance gates, vehicle barriers, grading, utilities, storm drainage, storm water management, sediment control, and permitting through state agencies.

EDUCATION

BS, 1975, Civil Engineering, Columbia University

REGISTRATION

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

Matt Ernest, PE, LEED AP BD+C

Civil Engineer

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, new perimeter fencing along with grading and creation of a parking area to accommodate heavy military equipment. The project includes lighting, drainage, specifications, cost estimating and environmental permitting.

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 (ATFP), 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.

Child Development Center (NAVFAC), Patuxent River Naval Air Station, MD: Civil Engineer responsible for civil/site and landscape design for the 300-child CDC. Services included topographic survey, site/utility demolition, site improvements, new perimeter fencing, grading/drainage, 106-space parking area, LID SWM design/permitting, ATFP and area of refuge coordination, erosion control, and CA phase services.

P-561 Prototype Hangar Facility Perimeter Fencing, MD: Lead Civil Engineer for site design and layout and design of 2,500 linear new secure perimeter fencing for the new aircraft hangar. The fence was designed accordance to ATFP requirements including UFC 4-022-03. Prepared construction document and permit plans. Provided construction phase services.

EDUCATION

BS, 1997, Civil Engineering Technology, University of Pittsburgh

REGISTRATION

Professional Engineer: MD, VA, DC, PA, DE;
LEED Accredited Professional

Aaron Smith, PE, LEED AP

Civil Engineer

Years of Experience: 21 With AMT: 16

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

Architect of the Capitol Perimeter Fencing, Washington, DC: Provided engineering for ATFP security improvements around the US Capitol and Senate Office Buildings. Provided extensive coordination with existing utilities and maintenance of traffic control was needed.

Nebraska Avenue Complex Perimeter Security, Department of Homeland Security, Washington, DC: Provided engineering design for the construction of perimeter fencing ATFP upgrades at the Nebraska Avenue Complex for the DHS. Design services included site demolition, site layout, grading, E&S control, storm drainage, SWM, sanitary sewer, and water system design.

Walter Reed Army Medical Center, Forest Glen Campus Force Protection, Silver Spring, MD: Provided design and layout of ATFP security upgrades. Design services included traffic circulation, grading and layout, drainage, SWM, and E&S control.

Smithsonian Institution Mall-Wide Perimeter Security Upgrades, Washington, DC: Provided engineering design for ATFP perimeter security upgrades. Design services included grading, drainage, SWM, E&S control, sanitary sewer design, and pavement design.

Naval Systems Management Warehouse Transportation Facility (P006V) and Navy Systems Management Activity Administrative Building (P003V) - Anacostia Naval Annex, Washington, DC. Provided engineering design services as part of a master plan for a warehouse facility (P006V) and administrative building (P003V). The site planning included a detailed survey, site investigation, hazardous soils investigation, and ATFP requirements.

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

John E. Nottingham, PE

Geotechnical Engineer

Years of Experience: 30 With NGE: 14

Why selected for this project:

- West Virginia Office Manager with extensive project experience in West Virginia

Mr. Nottingham has served as Principal Engineer and Office Manager for the West Virginia office of NGE since late 2002. In this capacity, he has served as lead Geotechnical Engineer on hundreds of government, commercial, and industrial design projects.

REPRESENTATIVE PROJECTS

New Access Road for the VA Medical Center, Huntington, WV: Performed a Geotechnical Investigation for a new 3,000-foot long access road for the VA Medical Center. The project included drilling of 11 test borings along the planned road alignment. Laboratory testing of collected soil samples was performed. A Geotechnical Engineering Report was prepared discussing the results of the subsurface investigation and providing detailed recommendations for design of the project earthwork.

Coonskin Park Bridge and New Access Roadway, Charleston, WV: Lead Geotechnical Engineer for this design/build project to construct new access into the Coonskin Park in Charleston, West Virginia. The Geotechnical Investigation included drilling of 8 test borings and performance of laboratory testing on the collected soil and bedrock samples. Detailed recommendations for design of the project's earthwork and bridge foundations were provided.

I-70 High Mast Light Towers, Wheeling, WV: This project consisted of a Geotechnical Investigation needed for the design of 34 high-mast light towers along an 11-mile section of I-70 in Wheeling, West Virginia for the West Virginia Department of Transportation. The geotechnical investigation included drilling one test boring at each tower location, performing laboratory testing to classify the soils and determine their engineering properties, and providing detailed recommendations for the design of the towers' foundations.

EDUCATION

MS, 1995, Civil Engineering, West Virginia University;
BS, 1987, Civil Engineering, West Virginia University

REGISTRATION

West Virginia Professional Engineer [redacted]

John Claytor, PS

Surveyor

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
- Survey experience includes aerial and field-run topographic surveys, boundary surveys, corridor mapping, GPS and conventional survey control networks, GPS-RTK surveys, hydrographic surveys, environmental surveys, utility surveys, and construction stakeout

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 MOT.

Shiloh Park Access Road and Parking Lots, King George County, VA: Survey Project Manager for a 33-acre county park, including a recreational access road, new parking lots with bus parking and ADA accommodations, and recreational facilities. Surveying services included a compiled boundary and supplemental topographic surveying based on county-provided mapping.

EDUCATION

Coursework, Land Surveying Technology, Austin Community College

REGISTRATION

West Virginia Professional Surveyor [redacted]

Similar Projects

CLIENT:
West Virginia Army National Guard NFG

CONTACT:
Joseph McClung
304-561-6300
Joseph.d.mcclung4.nfg@mail.mil

Military Motor Pool at Huntington Tri-State Armed Forces Reserve Center
Kenova, West Virginia

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. PCASE was used for the design of the new pavement as well as the stone thickness for the motor pool area.

CLIENT:
NAVFAC

CONTACT:
Tony Olekson
301-757-4794
anthony.olekson@navy.mil

P-561 Aircraft Prototype Hangar Facility
Patuxent River, MD

AMT provided design and construction phase services for the new hangar facility covering more than 20-acres, as well as design of 2,500 linear new secure perimeter fencing for the new aircraft hangar. The fence was designed accordance to Designed Anti-Terrorism Force Protection (ATFP) requirements including UFC 4-022-03.

The project included grading, drainage, storm sewer, sanitary sewer, water service and relocation, sanitary pump station assessment, erosion control, retrofit of an existing stormwater management pond, LEED, and early release construction packages to facilitate and early start of construction. AMT obtained stormwater management and erosion control permit approval.

CLIENT:
G-W Management Services, LLC

CONTACT:
Andrew Phillips
301-881-8517
aphillips@g-wms.com

P-140 Engineering Communications Facility
Patuxent River Naval Air Station, MD

AMT provided civil engineering services for a new 18,000 GSF LEED Silver engineering communications facility with an 80-space parking lot and associated utility infrastructure. Coordinated site lighting locations. Design services included an early rough grading and drainage package to expedite construction schedule, on-site water and sewer, water system extension, storm drainage, site grading and layout, SWM, and erosion and sediment control. Designed Anti-Terrorism Force Protection (ATFP) measures. Coordinated electrical and communication layout and profile. Coordinated work adjacent to wetlands and waterways. Provided construction phase services.

CLIENT:
G-W Management Services, LLC

CONTACT:
Andrew Phillips
301-881-8517
aphillips@g-wms.com

P-155 Atlantic Test Range Addition and Parking Security

Patuxent River Naval Air Station, MD

Civil engineering design services for a new 8,000 GSF LEED Silver aircraft test range facility with a 114-space parking lot and associated utility infrastructure. Design services included multiple packages to provide for "early start" construction, on-site water and sewer, site storm drainage, site grading and layout, SWM, and E/S control. Designed Designed Anti-Terrorism Force Protection (ATFP) measures. Coordinated electrical and communication layout and profile. Coordinated work adjacent to wetlands and waterways.

CLIENT:
General Services Administration

Jag Bargava
202-798-6944
jag.bhargava@gsa.gov

GSA Census Bureau Headquarters Complex

Suitland, MD

AMT provided comprehensive surveying and civil engineering services for the 1.5 million SF Census Bureau Headquarters building, 1 million SF of structured parking and all associated site work including perimeter security, visitor center, entrance gates, vehicle barriers, grading, utilities, storm drainage, stormwater management, sediment control, and permitting through state agencies.

CLIENT:
Department of Navy

CONTACT:
Brian Moore
202-685-3154
moorebk@efaches.navfac.navy.mil

Defense Intelligence Analysis Center

Bolling Air Force Base, Washington DC

AMT provided all site and civil planning and design for the Defense Intelligence Analysis Center (DIAC), The project included major building additions to the existing DIAC, as well as supporting site improvements to meet ATFP requirements. Additionally, force protection measures surrounding the existing building consisted of grade separation with dry stack wall, crash barriers and bollards. AMT participated in reviewing and implementing sustainable design strategies for the $100 million addition.

Site improvements included a new building south of the existing DIA building, new entrances, an expansion of the existing structured parking to the north, and new surface parking for more than 800 cars on the north side and at the southwest corner of the site. AMT designed utility relocation and a new water quality amenities pond.

CLIENT:
US Army Corps of Engineers

CONTACT:
Jose E. Burgos
410-962-4660
jose.E.Burgos@usace.army.mil

Fort Myer Child Development Center (NAVFAC)

Patuxent River Naval Air Station, MD

Civil Engineer responsible for civil/site and landscape design for the 300-child development center and infrastructure improvements. Services included topographic survey, site/utility demolition, site improvements, new perimeter fencing, grading/drainage, 106-space parking area, new water and sanitary sewer, communication and electric utility services, LID SWM, LEED, loading and dumpster areas. ATFP and area of refuge coordination, erosion control, and construction phase services.

CLIENT:
N/A - Retired

CONTACT:
N/A - Retired

Architect of the Capitol Vehicle Barriers Perimeter Security

Washington, DC

AMT provided civil engineering and surveying services for security improvements in and around the US Capitol and Senate Office Buildings. Improvements included ornamental bollards with reinforced concrete beam footers, vehicle barriers with remote operation controls, and police shelters to form perimeter controls across roadways and around the buildings. Extensive coordination with existing utilities and maintenance of traffic control was needed.

CLIENT:
N/A - Retired

CONTACT:
N/A - Retired

Army National Guard Readiness Center

Arlington, VA

AMT provided civil engineering, surveying and landscape architectural services for a variety of projects at the Army National Guard Readiness Center in Arlington, VA. As part of a multi-discipline A/E team providing ongoing consultation to the ANGRC, AMT provided services over several years in connection with facility additions, maintenance, security upgrades and related site work. Site improvements included perimeter security upgrades including new access control point, active and passive vehicle barriers, double steel cable barrier system, removable bollards at low traffic areas and motorized ornamental heavy duty sliding and swinging gates at the main and north entrance. Other site work included storm drainage improvements at the main entrance, various sidewalk replacements and repairs, site work and new concrete truck access associated with a new storage and maintenance building, and improvements associated with a running track.

CLIENT:
N/A - Retired

CONTACT:
N/A - Retired

Criminal Justice Information Services Division of the FBI

Clarksburg, West Virginia

AMT provided civil engineering services associated with several improvements to the Criminal Justice Information Services Division of the Federal Bureau of Investigation in Clarksburg, WV. Specific services included: **CMT Building:** Design for a new 6" water line from the exiting main to 5 feet outside the building; **West Guard House Canopy Design:** Design of a drainage system for collecting and conveying stormwater runoff from the new canopy. Designed new concrete islands and bollards to separate the passenger vehicle driving lanes and to provide mounting locations for security access devices. Pavement restoration details were also provided; **Vehicle Barriers:** Prepared a site plan, indicating site conditions, for the repair/replacement of ten vehicle barriers; **East Road Drainage System:** Designed corrective measures for two areas of settlement/cracking in the sidewalk between the parking lot and the main building. Evaluated and designed corrective measure to address erosion occurring around the road embankment. Evaluated the hydraulic capacity of an existing inlet in a concrete channel that experienced overflows and was causing significant downstream erosion; **North Plaza:** Provided plan and details to correct the differential settlement that occurred in the area based on visual site assessments.

CLIENT:
N/A - Retired

CONTACT:
N/A - Retired

Smithsonian Institution Perimeter Security Improvements

Washington, DC

AMT provided site improvements and perimeter security for the National Museum of Natural History (NMNH), the National Museum of American History (NMAH) and the National Air & Space Museum (NASM).

NMNH: Site improvements included perimeter security, sidewalk replacements, utility service upgrades, access improvements, drainage, utility relocations and related services as well as DC approvals/permits for site work and coordination with the National Park Service (NPS) for approvals.

NMAH: Improvements included renovation of pedestrian entrances, pedestrian plazas and sidewalks, perimeter security, drainage improvements, utility relocations and related services.

NASM: Included perimeter security, ATFP barriers, access control gates, sidewalk replacements, drainage improvements and utility relocations as well as waterproofing retrofits. Provided site permitting and coordination with NPS, DC Water, DDOE and approved by NCPC.

Developed multiple design alternatives, schematic documents, and Provided final site layout and design for improvements, utility infrastructure, and grading within the project limits, including detail sheets for necessary typical site elements, including sidewalks, curb and gutter, driveways, etc.

CLIENT:
N/A - Retired

CONTACT:
N/A - Retired

Army National Guard Readiness Center

Arlington, VA

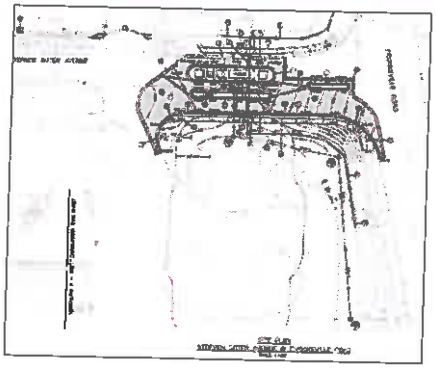
AMT provided civil engineering, surveying and landscape architectural services for a variety of projects at the Army National Guard Readiness Center in Arlington, VA. As part of a multi-discipline A/E team providing ongoing consultation to the ANGRC, AMT provided services over several years in connection with facility additions, maintenance, security upgrades and related site work. Site improvements included perimeter security upgrades including new access control point, active and passive vehicle barriers, double steel cable barrier system, removable bollards at low traffic areas and motorized ornamental heavy duty sliding and swinging gates at the main and north entrance. Other site work included storm drainage improvements at the main entrance, various sidewalk replacements and repairs, site work and new concrete truck access associated with a new storage and maintenance building, and improvements associated with a running track.

CLIENT:
N/A - Retired

CONTACT:
N/A - Retired

Walter Reed Army Medical Center Security Gates

Silver Spring, Maryland



AMT provided all civil engineering and related services for this project to support the security duties of guard force personnel at three of the perimeter gates: Stephen Sitter Avenue and Brookville Road, Research Drive and Brookville Road, and Linden Lane and Stephen Sitter Avenue. A Guardhouse at each of these three gates provided heated and air-conditioned shelter for two persons, telephone and data communications and visibility to the entrance gates. The project also included widening of the entrance drives to accommodate the Guardhouse islands, vehicle search areas, the creation of turning lanes in the public roadways accessing the entrance (by restriping; no pavement widenings are needed) and completion of the perimeter fence. Modifications and additions to existing infrastructure include work within the installation and in the public space outside the installation. This included sidewalks, lighting, traffic signals and utilities.

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: 481603

Doc Description: Addendum #1 Volkstone Perimeter Fencing (Design) Camp Dawson

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2018-08-08	2018-08-29 13:30:00	CEOI 0603 ADJ1900000004	2

BID RECEIVING LOCATION

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

VENDOR

Vendor Name, Address and Telephone Number:

Morton Thomas and Associates, Inc.
17 Grand Park Drive, Suite 102
Parkersburg, West Virginia 26105
304-400-4952 (phone)
304-400-4953 (fax)

FOR INFORMATION CONTACT THE BUYER

Stephanie L Gale
(304) 558-8801
stephanie.l.gale@wv.gov

Signature X [signature] FEIN # 52-0728302 DATE August 28, 2018

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

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.

Bart Schumacher, PE - Project Manager
(Name, Title)

Bart Schumacher, PE - Project Manager
(Printed Name and Title)

417 Grand Park Drive, Suite 102, Parkersburg, West Virginia 26105
(Address)

304-400-4952 (phone) / 304-400-4953 (fax)
(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)

(Michael Wiercinski, PE, PS - Principal)
(Authorized Signature) (Representative Name, Title)

Michael Wiercinski, PE, PS - Principal
(Printed Name and Title of Authorized Representative)

August 28, 2018
(Date)

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

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI 0603 ADJ1900000004

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

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

A. Morton Thomas and Associates, Inc.
Company

Authorized Signature

August 28, 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: August 28, 2018

State of Maryland

County of Baltimore, to-wit:

Taken, subscribed, and sworn to before me this 28 day of August, 2018

My Commission expires December 8, 2019

AFFIX SEAL HERE

NOTARY PUBLIC _____

LAURIE ANN MASON
NOTARY PUBLIC
BALTIMORE COUNTY
MARYLAND
MY COMMISSION EXPIRES DEC. 8, 2019