ORIGINAL

Expression of Interest for

Sullivan Tract Master Plan Design Services Project

Solicitation No. CEOI 0603 ADJ1700000005

AMT
CONSULTING ENGINEERS
417 Grand Park Drive, Suite 102
Parkersburg, West Virginia 26105

February 14, 2017

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

February 14, 2017

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

RE: **Sullivan Tract Master Plan Design Services Project**
Solicitation No. CEOI 0603 ADJ1700000005
AMT File No. P17-0059

Dear Ms. Chambers:

A. Morton Thomas and Associates, Inc. (AMT) is pleased to submit one (1) Original and three (3) Copies of this Expression of Interest to the West Virginia Army National Guard for the development of a master plan for the Sullivan Tract property near Beaver, WV. AMT is offering the West Virginia Army National Guard a team with expertise in master planning including the determination of viable development options, the best use of existing infrastructure, and capitalization and finance options. AMT will be joined by **Bastian & Harris, Architects (BHA)** to provide architectural/building programming services; **EnviroScience, Inc. (ESI)** to provide environmental site assessment services; **NGE** to provide geotechnical services; and **TCT Cost Consultants, LLC (TCT)** to provide cost estimating 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 military and master planning projects in the past few years, including for the following:

- Motor Pool Design at the Huntington Tri-State Armed Forces Reserve Center
- Multi-Agency Service Park Master Plan
- Allegany Business Center Master Plan
- Montgomery College Facilities Master Plan
- Towne Square at Suitland Federal Center
- Census Bureau Complex
- Army National Guard Readiness Center

AMT offers the West Virginia Army National Guard available staff with solid, successful experience in the development of master plans. 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 Army National Guard (WVANG) is seeking a qualified firm to provide master planning, architecture and engineering for the Sullivan Tract located near Beaver, West Virginia. The project includes preparing a master plan for the Sullivan Tract and design, construction documents and construction administration for a 25,000 to 100,000 square foot building for the WVANG.

The Sullivan Tract is 230-acres of relatively flat land located near the intersection of I-64 and I-77. The property, owned by the Beaver Coal Company, is a pre-1977 Surface Mining Control and Reclamation Act surface mine development property. The site is currently used for livestock agriculture. Development of the property is intended to attract businesses and help spur the local economy and create jobs.

The Sullivan Tract is to be developed as a business/industrial park. The Master Plan will address access to the site, layout of development parcels within the property, internal roadways, utility infrastructure, environmental considerations and design guidelines for key elements of the development. The master planning effort will include various options for access to the site and may include planning for a new interchange.

The Beaver Coal Company is donating 10 acres to the WVANG for development of an equipment repair facility. The facility will be in the range of 25,000 to 100,000 square feet and will include associated site access, parking, grading, drainage, utilities, stormwater management, landscaping and other required site elements.

The project scope includes:

1. Preparing a master plan for development of the Sullivan Tract business/industrial park.
2. Preparing design and construction documents for the access to the property,
3. Providing design and construction documents for the business/industrial park road and utility infrastructure
4. Providing design and construction documents for the WVANG equipment repair center and associated site development
5. Providing bidding assistance and construction administration for all the construction.

AMT has provided all of the required services for similar tract developments and the proposed ANG facility, including commercial and industrial development, army national guard readiness centers, vehicle fleet maintenance facilities, training facilities, and related military facilities. Our projects have included roadway and utility infrastructure, site development, parking facilities design and improvements (both MOV and POV), 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 access to the site, including potentially a new interstate interchange. Our transportation planners, civil engineers and bridge structural engineers have extensive experience with state highway and bridge projects, including planning and design of new interchanges on existing interstates and offer a unique capability to develop and evaluate alternative solutions for providing access to the Sullivan Tract Business/Industrial Park.

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

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 Verification

The Sullivan Tract is to be developed as a business/ industrial park. We understand that the WVANG facility will be the first tenant and the seed that will attract other businesses to the site.

As the first step in the planning process, we will review with the client and stakeholders their proposed program for development of the tract. Together, we will identify the key objectives and the criteria for developing alternatives. We will review available planning forecasts and employment projections and conduct interviews with local economic development staff to better understand the potential business and industrial market.

For the WVANG facility, Bastion and Harris, architects for the team, will meet with WVANG staff to evaluate program and space requirements for the WVANG facility. They will prepare a building analysis to determine the square footage requirements and conceptual footprint to be used as a basis for site planning.

Based on this information, we will prepare a summary of the program addressing potential uses and locations to be used as the basis for developing the master plan for the Sullivan Tract.

Site Evaluation

The design team will conduct a detailed site analysis of the development area. We will review GIS data, available survey data, National Wetland Inventory maps, FEMA floodplain maps and available environmental data and develop base maps of the study area. Equipped with the base maps, our team will perform field visits to verify the mapping and identify resources that are not shown.

Our land planners will also review local zoning and land use regulations, comprehensive plans and development plans as they relate to the subject property.

AMT will meet with the local planning department early in the project to confirm the review and approval process, regulatory requirements, mandated community outreach, significant issues that may affect the proposed development 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 development.

Transportation and Access to Site

Access to and from the proposed Sullivan Tract is critical to the operation of the site and approval of the site plan. Sullivan Road (Co. Rte 25), a 2-lane local road, provides direct access to the site. Access to the nearest interstate, however, is approximately 8 miles to I-64 (16 minutes), and 9 miles to I-77 (20 minutes).

Travel to site from I-77

Depending on the daily use of the site and proximity needed to major road facilities, identifying access needs to the facility will be important to establish early in the master plan process. Key traffic and roadway design factors that will be considered and evaluated include:

Existing Conditions Assessment of roadway facilities and traffic operations which may require traffic volume data collection at I-64 and I-77 interchanges just east and west of the site ; Traffic Generation of the site (e.g. light to medium industrial use of site vs. AM/PM peak hour traffic associated with business park use); Trip Distribution to determine impact on local road network; Vehicles accessing site (cars, trucks, military vehicles) to identify pavement and road design requirements; and options for entrance(s) to the site.

Sullivan Tract from above

Based on the Existing Conditions Assessment and projected traffic demand on the local roadways, AMT will develop and evaluate transportation improvement alternatives which may range from upgrading local roads to accommodate new site entrance(s) to an interchange modification to provide direct access to I-77 or I-64. If an interchange is a viable option, AMT will prepare an Interchange Justification Report (IJR) or Interchange Modification Report (IMR) as required by FHWA and WV Parkways Authority for new or modified access to an interstate. AMT will propose a master plan of short- and long-term transportation improvements to meet requirements of local, State and regional agencies to ensure site develop can begin without requiring full build-out of the master-planned transportation improvements.

County Route 25

AMT will also work with WVANG 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.

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 Beckley Water Company, Shady Springs Public Sewer District, Appalachian Power and/or American Electric Power, Mountaineer Gas and the telecom companies serving the area (Time Warner Cable, AT&T, Comcast, Suddenlink, Frontier, Lumos) 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.

Master Plan

Based on the program and the evaluations, the team will develop three to four concepts for development of the property. Our senior planners and engineers will explore options for access from local roads and the interstate, layout of internal roadways and parcels, and develop concepts for utility infrastructure to support the development.

For each concept, our planners will prepare exhibits depicting the options and summarizing the strengths, weaknesses, opportunities and challenges. To facilitate the selection, we will compare the options to the criteria established during program verification. We will also develop estimates of the relative costs of the options.

AMT will conduct work sessions with the client and stakeholders to review the concepts, discuss options and select the preferred options. We will also

participate in community presentations and public outreach as required by local regulations.

Once preferred options are selected, AMT will prepare an overall conceptual site development illustrative plan and supporting exhibits for access improvements, roadways, utilities, drainage, stormwater management, forest preservation, and landscape concepts. We will also prepare a report summarizing the analysis, development constraints, options considered, the proposed development program, cost estimates, required approvals and permits, and phasing where appropriate.

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 WVANG 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 Raleigh 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

NGE, as a sub-consultant 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, recommendations for building foundation design, and design recommendations for all significant structures such as retaining walls, bridge abutments, etc.

Roads and Infrastructure Construction Documents

Following completion of the master plan, our team will develop preliminary design and cost estimates for the selected access improvements, new roadways and utility infrastructure. We will review the preliminary plans with the project stakeholders, WVANG, Raleigh County and WV DOH.

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 Raleigh County, WVDOH, WVDEP, and local agencies as required.

Site and Building Plans

Based on the building program and the approved master plan, AMT, Bastion and Harris and the engineering team will work with the WVANG to develop architectural concepts and site layouts meeting the WVANG requirements for the facility and local zoning and site development regulations.

AMT and the architect will review the site development and building concepts with WVANG and appropriate stakeholders, address comments and prepare a final site development plan. We will prepare applications and submit the site plan to Raleigh County for review and approval as required.

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.

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 WVANG.

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. Local roadway sections will meet Raleigh County road design criteria. Access drive and parking pavements for the WVANG facility will meet UFC requirements.

Pavements will be designed to meet the expected heavy loads associated with the WVANG facility based on geotechnical evaluation of the underlying soils, appropriate Equivalent Single Axle Load (ESAL) data, and the Pavement Transportation Computer Assisted Structural Engineering (PCASE) 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 Raleigh 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 Raleigh 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 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. 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 West Virginia Army National Guard for the duration of the Sullivan Tract Master Plan Design Services Project:

Key staff are AMT employees unless noted as follows:
BHA – Bastian & Harris, Architects
ESI – EnviroScience, Inc.
NGE – NGE
TCT – TCT Cost Consultants, LLC
* Resumes included

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

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

Project Manager
*Bart Schumacher, PE

Project Team

Site Planning
*Gregory Osband, RLA
Steven Torgerson, RLA
Carlos Ostria, PE

Site Engineering/Layout
*Aaron Smith, PE, LEED AP
*Matthew Ernest, PE, LEED AP BD+C
Philip Rhodes, PE

Transportation Planning/Design
*Heidi Van Luven, PE
*Laura Mehiel, PE
*Khossrow Babaei, PE, SE

Support Services

Architectural/Building
*John Harris, AIA, NCARB *(BHA)*

Environmental Assessments
*Brooke Harrison *(ESI)*

Surveying
*John Claytor, PS

Geotechnical
*John Nottingham, PE *(NGE)*

Cost Estimating
*Martin Miller *(TCT)*

Staff Qualifications and Experience

Bart Schumacher, PE

Project Manager

Years of Experience: 22 With AMT: 1

Why selected for this project

- Currently managing AMT's project with the West Virginia Army National Guard (WVANG)
- Familiar with standards & requirements of WVANG

REPRESENTATIVE PROJECTS

Military Motor Pool at Huntington Tri-State Armed Forces Reserve Center, Kenova, WV: Project Manager 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.

New Wirt County Headquarters, Wirt County, WV: Design Leader for a project to demolish and construct new Wirt County Headquarters. Included site layout for new building, access road, parking, utility relocations, erosion and sediment control, and environmental permitting.

New Ellenboro Substation, Ritchie County, WV: Design Leader for a project to construct new office building, salt shed, spreader shed, construct new access road, and fence around the entire property. The project included site layout for new building, access road, parking, utility relocations, erosion and sediment control, and environmental permitting.

Camden Avenue Park and Ride Expansion, Wood County, WV: Design Leader for a project to expand the existing park and ride facility. The project included site layout, modification of drainage, revised layout of parking spaces, design of erosion and sediment control features, and environmental permitting.

Conley Fabrication, Wood County, WV: Design Leader for a project to build a new road into a new industrial access facility at Conley Fabrication. The road was built to accommodate large vehicles with heavy loads.

Interstate Salt Shed, Wood County, WV: Design Leader for a project to build a new salt shed and construct new roadway into the facility. The project included adding additional fencing to restrict access to the facility.

EDUCATION

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

REGISTRATION

West Virginia Professional Engineer [redacted]

Max Kantzer, PE, LEED AP

Principal-in-Charge

Years of Experience: 42 With AMT: 16

Why selected for this project

- Has managed feasibility analysis, master planning, design, permitting, and construction administration for planned communities
- Worked with multi-disciplined teams including planners, market analysts, engineers and contractors to develop realistic land use plans

REPRESENTATIVE PROJECTS

Montpellier Research Park, Howard County, MD: 102-acre mixed-use planned community.

Piney Orchard Planned Unit Development, Odenton, MD: 1,200-acre residential and commercial planned unit development.

Russett Planned Unit Development, Laurel, MD: 3,600-unit residential and commercial planned unit development.

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.

Tuxedo Road Business District, Prince George's County, MD: Land Use and Urban Design Study, 30 properties.

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

Dawson Ridge Planned Unit Development, Castle Rock, CO: New mixed-use community on 1,900 acres.

Pride's Crossing Planned Unit Development, Aurora, CO: 500-acre single-family and townhouse residential development.

Aurora Centertech Park, Aurora, CO: 500-acre mixed-use including R&D, light industrial, multi-family residential, and golf course.

Southpark Business Park, Littleton, CO: 525-acre commercial office park.

Pebble Creek Ranch, Summit County, CO: 18 exclusive mountainside residential building sites on 240 acres.

EDUCATION

BS, 1975, Civil Engineering, Columbia University

REGISTRATION

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

Gregory Osband, RLA

Site Planning

Years of Experience: 37 With AMT: 12

Why selected for this project

- Expert in community planning, landscape architecture, and environmental services
- Leads multi-discipline teams in public outreach

REPRESENTATIVE PROJECTS

Upper Marlboro Revitalization Plan, Prince George's County, MD: Master plan for revitalizing mixed-use area adjacent to downtown Upper Marlboro. Most of the study area lies within the 100-year floodplain. The plan proposes recapturing an overlooked area of stunning natural resources with a linked network of public spaces, pedestrian routes and prime development sites linked to the historic town center.

FBI Practical Training Village, Stafford County, VA: Landscape Architect for site feasibility and planning, wetland delineation and environmental mitigation for new buildings, utility infrastructure, stormwater management, parking and service areas. Included hardscape, landscape, native and restoration planting.

Montgomery College Germantown Campus, Montgomery County, MD: Provided master planning, NRI/FSDs, FCPs, and long-range environmental planning for the 225-acre campus. Coordinated master plan FCP approval and obtained permits for individual sites, including relocation of a 24" water main, new arterial roadway, new Bioscience Center, Holy Cross Hospital site, child care center and future business park. Addressed protection of wetlands, streams, environmental buffers and preservation of high quality forest in upper portions of declining watersheds.

Pegg Road Extended, St. Mary's County, MD: Prepared MEPA document, other environmental assessments, corridor inventories, and comparative analyses for roadway and alternatives study. Evaluated alternative crossings of St. Mary's River tributaries and mainstem; impacts to Wetlands of Special State Concern; historic and cultural resources; forest conservation; rare, threatened and endangered species; and critical habitats. Prepared EA Report for review and compliance with public review process, SHA, MDE and other agency requirements. Addressed public review process and permitting requirements.

EDUCATION

MLA, 1984, Landscape Architecture, Harvard Graduate School of Design;

BA, 1979, Biology, Harvard University

REGISTRATION

West Virginia Registered Landscape Architect [redacted]

Aaron Smith, PE, LEED AP

Site Engineering/Layout

Years of Experience: 20 With AMT: 15

Why selected for this project

- Site analysis and design for roadways and parking lots, trails, public plazas, and other infrastructure
- Expertise also includes pedestrian 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.

Census Bureau Complex, Prince George's County, 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: Provided sustainable site design for the construction of 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. Additional services included coordination with review agencies for utility design and environmental permitting, and preparation of LEED documentation.

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, Virginia campus of the Army National Guard. Site improvements associated with this 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 service 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

Matt Ernest, PE, LEED AP BD+C

Site Engineering/Layout

Years of Experience: 20 With AMT: 20

Why selected for this project

- Extensive military experience, including for WVANG
- Expertise includes site development, 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.

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

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

Heidi Van Luven, PE

Transportation Planning

Years of Experience: 29 With AMT: 17

Why selected for this project

- 29 years of experience in transportation planning and design
- Expertise includes traffic impact studies, corridor and regional transportation plans, NEPA studies, and roadway design.

REPRESENTATIVE PROJECTS

Southgate Drive /US 460 Bypass Interchange and Campus Roadway Improvements Plan, Blacksburg, VA: Project Manager for alternatives analysis for realignment of two campus roadways leading to Virginia Tech and a new interchange to replace a signalized T-intersection. Conducted localized and regional traffic analyses to forecast design thresholds for long term improvements; prepared a short- and long-term transportation plan consistent with the campus' master plan for expansion, and prepared the project's Interchange Justification Report (IJR) for VDOT and FHWA approval. Extensive coordination with VDOT, MPO, college, Town of Blacksburg and campus police.

MD 4/Suitland Parkway Interchange, Prince George's County, MD: Project Manager for the planning and development of final design plans for a complicated interchange design requiring depressing the mainline, braided ramps, a 3-lane urban diamond and major bridge structure. Pre-design included NEPA Re-evaluation, value engineering, design options analysis, complex traffic analysis and extensive agency coordination. Design included reconstruction of intersecting roadways, access roads to a major new development.

Eisenhower Avenue Improvements, City of Alexandria, VA: Project Manager for the planning, traffic analysis and design for the widening of Eisenhower Avenue, including placement and design of entrances to adjacent development. Developed corridor-wide traffic model to analyze development scenarios for adjacent property in coordination with the City and developer. Multiple iterations of the analyses were conducted to identify capacity, access, parking and safety improvements, a new interchange ramp and changes in parking. A Traffic Impact Report and final contract plans were prepared.

EDUCATION

BS, 1986, Civil Engineering, University of Delaware

REGISTRATION

West Virginia Professional Engineer [redacted]

Laura Mehiel, PE

Roadway Design

Years of Experience: 30 With AMT: 5

Why selected for this project

- 30 years of experience in transportation design for roadway and interchange projects
- Her experience includes roadway alignment, corridor improvements, hydraulics design, complex MOT design, traffic engineering design including TMPs, signing and marking plans, and public meetings support

REPRESENTATIVE PROJECTS

Southgate Drive and US 460 Bypass, Blacksburg, VA: Project Manager for roadway improvement project adjacent to Virginia Tech to eliminate the existing signalized at-grade T-intersection at the heaviest used, primary entrance to the campus. To accommodate a new interchange with US 460 and an airport runway expansion, Southgate Drive and Research Center Drive were relocated, and two new roundabouts were designed at intersections along the new alignments. Oversaw traffic analysis, roadway and trail relocation design for more than 3 miles of roadway alignment and 1 mile of trail, hydraulic design, bridge and retaining wall design, signing, marking and lighting design, and extensive public and stakeholder outreach. Currently providing construction phase support.

US Route 1 Improvements at Ft. Belvoir, Fairfax County, VA: Project Manager for design/build project to provide traffic relief for the ongoing BRAC consolidation occurring in the vicinity of Fort Belvoir. The improvements, for a distance of 3.68 miles, generally widen Route 1 from four to six lanes, with a 32' median for future transit. Oversaw design of roadway and intersection improvements, major bridge replacement at Accotink Creek and major culvert replacement at Mason Run, traffic signals, signing, lighting, trail and sidewalk, geotechnical, drainage, SWM, wetlands permits, noise wall design, and landscaping. Permits included VSMP, individual wetland permit for DEQ/Army COE, FEMA update, and site permit for relocated historic structure. Extensive community involvement, utility coordination and relocations, and ROW acquisition of 18 parcels, which resulted in more than 70 relocations.

I-495 HOT Lanes, Northern Virginia District, VA: Area 1 Project Manager for design/build project who oversaw four interchanges from south of Braddock Road to north of US 50.

EDUCATION

BCE, 1986, Civil Engineering, University of Delaware

REGISTRATION

Professional Engineer: VA, MD, DC, NC, TN, DE, PA

Khossrow Babaei, PE, SE

Interchange Planning/Design

Years of Experience: 36 With AMT: 4

Why selected for this project

- 36 years of structural/bridge engineering
- Has directed design groups and performed design QA reviews of the products

REPRESENTATIVE PROJECTS

US 52 Bridge over US 460, King Coal Highway, Mercer County, WV: Design and preparation of plans for this 2-span, made-continuous, prestressed concrete beam bridge with semi-integral abutments and multi-column piers. Abutments were founded on spread footing and drilled shaft foundation. Designed per LRFD code.

US Route 50 over Golf Course Road, Wood County, WV: Design and preparation of plans for this 3-span, made-continuous, prestressed concrete beam bridge (dual structure) with integral abutments and multi-column bents. Designed per LRFD code.

I-77 Bridge over WV 112, Mercer County, WV: Design and preparation of plans for replacement and abutment modification of this 3-span steel plate girder structure (dual structure). The scope of work also included modification of the existing abutments to semi-integral abutments and replacing the existing wingwalls and bearings. Designed per LRFD code.

US 522 over CR 13, Morgan County, WV: Designed and prepared plans for this single-span, prestressed concrete beam bridge (dual structure) with integral abutments and wraparound MSE walls. Abutments were founded on a single row of steel H piles. Designed per LRFD code.

I-95 Section 100 Bridges, Baltimore, MD: QC Lead for bridge TS&L plans, and reports by several consultants, for the following new bridges: 1) I-895 NB GP over I-95 & Moores Run, a 1,650', 9-span steel girder; 2) I-695 Interchange: Ramp GG, a 2,400', 11-span, steel girder; 3) Replacement of Lilian Holt Drive over widened I-695, a 320', 2-span steel girder; 4) Replacement of Moravia Park Drive bridge over widened I-895, a 250', 2-span steel girder; 5) I-695 Interchange: SB and NB I-95 General, each a 750', 5-span, steel girder; 6) I-695 Interchange: Ramp GB/MB, a 130', single span; and 7) Replacement of Chesaco Avenue over widened I-95, a 270', 2-span steel girder.

EDUCATION

MSCE, 1978, Construction Engineering, University of Washington;
BSCE and MSCE, 1974, Structural Engineering, University of Tehran

REGISTRATION

West Virginia Professional Engineer [redacted]

John Harris, AIA, NCARB

Architectural/Building Programming

Years of Experience: 45 With BHA: 18

Why selected for this project

- Manages all facets of project development, design, construction documents and construction administration, including master planning, feasibility studies, and estimating
- Has teamed with nationally-recognized architectural consultants, as well as civil, structural, and MEP engineering consultants

REPRESENTATIVE PROJECTS

West Virginia Army National Guard, Moorefield, WV: Design Leader for a 57,000 SF building which houses WVARNG MP Unit and the Hardy County EOC. Features enhanced Drill Hall and Distance Learning Classroom, as well as multiple community classrooms.

Arthur Weisberg Family Applied Engineering Complex, Marshall University, Huntington, WV: Design Leader for the 145,000 SF building which houses classrooms, faculty offices, administrative office, computer labs, research and teaching labs for Computer Science, Engineering, Safety, Marshall University Research Corporation Offices and Incubator Facilities, and the College of Science. The building achieved LEED Gold Certification.

John Marshall Commons Residence Halls and Harless Hall Dining Facility, Marshall University, Huntington, WV: This project consists of four 125-bed dormitory buildings for a total of 153,028 SF, along with the Dining Facility totaling 19,863 SF.

Enhancements to Caperton Center – Tamarack, Beckley, WV: Design Leader for a 22,000 SF conference facility designed with a wide range of flexibility to accommodate conferences of all sizes, to accommodate multiple events, bus entrance drive, and handicapped parking.

EDUCATION

BS, 1973, Architectural Technology, *Summa Cum Laude*, West Virginia State University

REGISTRATION

West Virginia Board of Architects #1889;

National Council of Architectural Registration Boards [redacted]

American Institute of Architects [redacted]

Brooke Harrison

Environmental Assessments

Years of Experience: 15 With ESI: 9

Why selected for this project

- Specializes in wetland identification and delineation, terrestrial habitat surveys, avian surveys, project permitting, threatened and endangered species habitat surveys, and aquatic surveys.
- Skilled in managing large-scale bio-assessment, wetland, threatened & endangered species projects.

REPRESENTATIVE PROJECTS

Architectural Survey and Coal Heritage Survey Update for WVDOH and WVSHPO, McDowell and Raleigh Counties, WV: Project Manager assisting Aurora Research Associates (ARA) in overseeing completion of an architectural survey of 2,000 Coal Heritage sites in Raleigh and McDowell Counties. This process included acquiring GIS data and existing survey forms from WVSHPO and pre-populating digital survey entries. In the field, EnviroScience biologists assisted ARA historians in assessing the properties by walking the area and using the digitized existing forms, topo maps and aerial maps to locate, photograph, and update existing Coal Heritage properties and forms.

Baseline Ecological Risk Assessment Report for the Former Naval Auxiliary Air Station Quillayute, Quillayute, WA: Project Manager and Field Ecologist for the preparation of a baseline ecological risk assessment report to aid in the proposed remediation of the Former Naval Auxiliary Air Station Quillayute. Analysis of previous investigation findings and a review of substances detected compared to screening limits identified presence and location of chemicals of potential ecological concern (CPEC's). A site assessment was conducted within the areas identified as potentially contaminated areas to identify ecological resources present (wetlands, streams, threatened and endangered species habitat), identify terrestrial habitat types and common species present, identify potential areas of contamination and potential routes of exposure from areas of contamination to the sensitive ecological resources. Analysis of site findings and potential CPEC's predicted effects and uncertainties of contaminants on ecological resources. This information, along with the human health risk assessment portion of the report was documented in the Baseline Risk Assessment (BRA) Report.

EDUCATION

BS, 2002, Natural Resources, Ohio State University

John Claytor, PS

Surveyor

Years of Experience: 34 With AMT: 4

Why selected for this project

- Over 30 years of combined experience related to field, office and management tasks involving transportation improvements
- 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

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.

US Route 1 Improvements at Fort Belvoir, Fairfax County: Project Surveyor for a $70 million, 3.68-mile design/build project. Surveying services include GPS-RTK and project control setup, supplemental surveying in areas that have been modified, subsurface utility locating and designating, and design survey QA/QC.

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]

John E. Nottingham, PE

Geotechnical Engineer

Years of Experience: 29 With NGE: 13

Why selected for this project

- West Virginia Office Manager with extensive project experience in West Virginia
- Knowledge and expertise with geotechnical engineering aspects of roadways and parking lots

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]

Martin Miller

Cost Estimating

Years of Experience: 29 With TCT: 6

Why selected for this project

- Expertise controlling the financial site of projects, from inception through completion
- Prepares cost estimates, participates in design charrettes, attends value engineering workshops
- Utilizes pas experience to benchmark past projects to inform his estimates

REPRESENTATIVE PROJECTS

- USACE Baltimore District, Carlisle Barracks Design
- USACE Baltimore District, Fort Belvoir Fire Station
- USACE Louisville, Detroit Arsenal TARDEC Building
- USACE Baltimore District, Fort McNair National Defense University
- USACE Louisville, Fort Campbell Command & Control Center
- USACE Pentagon Support & Operations Center
- USACE Baltimore District, Arlington National Cemetery Lodges 1&2
- Department of State OBO Compound Security Upgrades
- NAVFAC Cherry Point
- NAVFAC Crystal Park 5 BRAC move to Arlington
- NAVFAC Warrior Transition Unit Renovation
- NIST Road to Robotics Test Facility Building 207
- Alexandria City Public Schools Master Plan
- American University Washington College of Law Complex
- Catholic University Master Plan
- College of Wiiliam and Mary West Utility Plant
- Georgetown University Leavey Hotel Permanent Conversion
- Morgan State University Behavioral and Social Sciences Center
- Morgan State University Business and Management Compiex
- University of Maryland Utilities Master Plan
- UDC Learning Resources Division Relocation

EDUCATION

BS, 1989, Quantity Surveying, University of Pretoria

References

West Virginia Army National Guard NFG

Mr. Joseph McClung
Division of Engineering and Facilities
1707 Coonskin Drive
Charleston, West Virginia 25311
304-561-6300 (phone)
joseph.d.mcclung4.nfg@mail.mil

AMT is developing drawings and specifications for the design of a Military Motor Pool at 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, surveying assistance, and analyzing and evaluating bids for construction.

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.

Redevelopment Authority of Prince George's County

Mr. Howard M. Ways, AICP
9200 Basil Court, Suite 504
Largo, Maryland 20774
301-883-5300 (phone)
HWWays@co.pg.md.us

AMT is providing civil engineering design, surveying, and construction administration services for the development of the Towne Square at the historic Suitland Federal Center. This mixed-use development will feature multi-family residential buildings, townhomes, senior housing, retail, and civic buildings. Services for this project include site demolition, topographic survey, planimetric control survey, design of roadways and streetscapes, pedestrian facilities, utility design, environmental design, erosion/sediment control and stormwater management, geotechnical permitting, and cost estimating.

Similar Projects

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

AMT is currently designing 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.

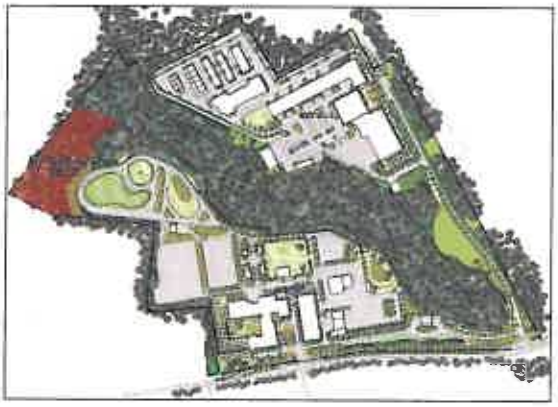
Client Contact Information:
West Virginia Army National Guard NFG
Joseph McClung
304-561-6300 (phone)
joseph.d.mcclung4.nfg@mail.mil

Multi-Agency Service Park Master Plan

AMT provided civil engineering services for the master planning and infrastructure design of a 135-acre site that will serve as the home to County facilities including Public Safety Training, Public Schools Maintenance and Food Service, and Park and Planning Maintenance. These services included:

Stormwater Management: Concept plans using new Low Impact Development (LID) techniques were developed. Techniques included green roofs, bioretention facilities, and bioswales to treat the stormwater.

Natural Resources and Forest Conservation: A Natural Resource Inventory included mapping forest areas, floodplain, streams and wetland areas. A conservation area was developed protecting the central stream corridor. Additional reforestation areas were created.



Client Contact Information:
Montgomery County Department of Capital Development
Hamid Omidvar, AIA
240-777-6126 (phone)
Hamid.Omidvar@montgomerycountymd.gov

Grading: Grading plans and earth work studies were prepared. The site's severe slopes along with the previous construction material land fill use of site provided a challenge. Grades were carefully set to remove bad fill material where needed, minimize the use of retaining walls where possible, along with balancing the cut and fill of the site to lessen earthwork costs.

Water and Sanitary Sewer: Existing utilities were mapped and capacities were investigated with the local provider to determine proper connection points and on-site water and sewer routings.

Roadways: The project was coordinated with MCDOT for planned offsite roadway improvements and traffic studies for proper access points and needed intersection controls. On-site roads were designed with proper vertical and horizontal geometry to allow for truck movements.

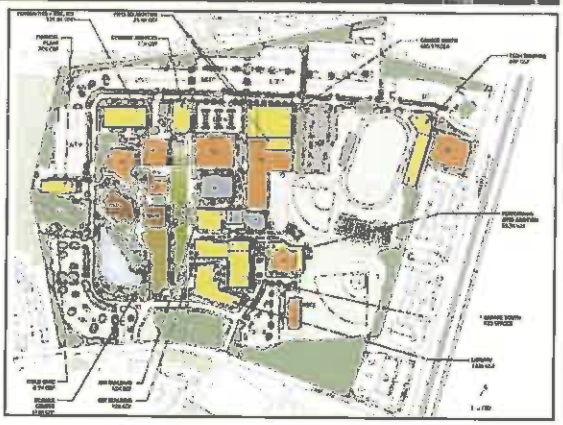
The Multi-Agency Service Park project included numerous community workshops and user meetings.

Allegany Business Center Master Plan

AMT prepared a master plan consisting of utilities adjustment and foundation systems analysis for the Allegany Business Center at Frostburg State University. A master plan for the business center biotechnical research and manufacturing facilities was developed to attract private sector corporations to develop facilities in Frostburg. Through the County development of the Business Center's infrastructure and the stabilization of subsurface and environmental conditions, it was programmed to develop attractive building sites. In conjunction with these improvements, creative financial incentives and target market program were developed to focus on the potential participants in the Business Center's development.

Client Contact Information:
Allegany County
Richard Harris
301-777-5852 (phone)
rharris@allconet.org

Montgomery College Facilities Master Plan



AMT provided master planning with respect to campus utilities, stormwater management (SWM) and environmental features for the Rockville, Germantown and Takoma Park campuses of Montgomery College. Reviewed existing utility mapping and studies and assessed the location and capacity of water, sanitary sewer and storm drainage utilities. Assessed the existing and proposed impervious areas for the existing and master planned conditions and provided assessment of existing SWM facilities and provided recommendations for the system upgrades as well as SWM treatment measures for the new master planned buildings.

Client Contact Information:
Montgomery College
Sandra Filippi
240-567-7362 (phone)
Sandra.Filippi@montgomerycollege.edu

Public Safety Complex Master Plan

AMT provided engineering services for a feasibility study and master plan for a new Public Safety Complex located in Upper Marlboro. The complex was designed to house multiple public safety agencies and include a public safety academy and in-service/advanced training facility for the County. AMT prepared a Phase I Environmental Assessment. Field investigations and mapping identified rare, threatened or endangered species; wetlands; floodplains; steep slopes; forests; streams; and stream buffers. AMT also reviewed and evaluated the suitability of existing infrastructure, including transportation, water, sewer, dry utilities, and SWM requirements. AMT prepared a final report including a real-time 3D graphic model of the preferred alternative allowing the audience to "move through" the site.

Client Contact Information:
Prince George's County
Mike Davis
301-817-4360 (phone)
mdavis@opd.state.md.us

Towne Square at Suitland Federal Center

AMT is providing civil engineering design, survey, and construction administration services for the development of the Towne Square at the historic Suitland Federal Center. This mixed-use development will feature multi-family residential buildings, townhomes, senior housing, retail, and civic buildings. The goal of this EcoDistrict project will be to transform the current site by creating inviting open green spaces, entertainment, and community amenities. To meet these standards, the Town Square includes eco-friendly features such as bio-retention planters and net-zero multi-family homes.

Services for this project include site demolition, topographic survey, planimetric control survey, design of roadways and streetscapes, pedestrian facilities, utility design, environmental design, erosion/sediment control, stormwater management, geotechnical permitting, and cost estimating. Additionally, this project is being designed to achieve LEED ND Silver Certification and Sustainable SITES Initiative Silver Certification.

Client Contact Information:
Redevelopment Authority of Prince George's County
Howard M. Ways, AICP
301-883-5300 (phone)
HWWays@co.pg.md.us

Upper Marlboro Revitalization Plan

AMT evaluated existing resources, development constraints and opportunities, and worked with local businesses and landowners to develop a master plan for revitalizing a commercial/industrial area east of downtown Prince George's County. The area's assets include a robust transportation network and a wealth of natural resources that can be harnessed as amenities for redevelopment. The stream valleys and old oxbows of the Western and Collington Branches join here in a string of wetlands and ponds teeming with wildlife. AMT's engineers and environmental specialists evaluated floodplain models and formulated strategies to create an open space network akin to Boston's "Emerald Necklace." Abutting lands provide prime development sites with a rich mixture of urban and natural amenities.

AMT developed plans for a network of trails, boardwalks, amphitheaters, environmental learning centers, scenic vistas and other recreational facilities that will link the historic downtown with the new developments proposed within the study area. AMT also explored concepts to harness and augment the existing floodplains' and wetlands' natural capacity to provide stormwater storage and improve water quality, by restoring degraded stream channels and enhancing and rehabilitating existing and former wetlands.

Client Contact Information:
Maryland-National Capital Park & Planning Commission
Betty Carlson-Jameson
301-952-3179 (phone)
betty.carlsonjameson@ppd.mncppc.org

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.

Client Contact Information:
NA – no longer with client

Witter Fields Master Plan

AMT prepared the master plan, schematic design and construction documents for a 14-acre regional park which included two multi-purpose synthetic turf athletic fields; field lighting; pavilions and restrooms; additional on-street parking, turn lanes and a signalized intersection; and coordination of streetscape/landscape for distinctive pedestrian and vehicular access routes. AMT led the transformation of this brownfield into an attractive and much-needed community asset for active and passive recreation. A Phase I Environmental Study uncovered contaminated soils left over from when the area was actively used as an industrial site. Permitting included zoning and master plan revisions, site grading, erosion/sediment control and stormwater management. AMT also coordinated its design and planning with the Alexandria Business Center, CSX Transportation and adjacent city projects involving a police station and DASH bus maintenance facilities.

Client Contact Information:
City of Alexandria
Mitchell Bernstein, PE
703-746-4035 (phone)
mitchell.bernstein@alexandriava.gov

Army National Guard Readiness Center

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 Contact Information:
N/A - Retired

UMCP Southwest Master Plan

AMT provided civil engineering for the master planning and design of the southwest quadrant of UMD's College Park campus. A new plaza is the center piece of the redevelopment. A private funding source was used for the construction and therefore the job was broken into three phases. Existing utilities were rerouted and future electric duct banks were installed "empty" so to minimize the future disruption of the site. The storm drain, water and sewer alignments were simplified from 50 years of poor construction practices. The final phase included a clock tower and open air gathering place for students to assemble for school activities.

Client Contact Information:
University of Maryland
William Olen
301-405-7336 (phone)
wolen@umd.edu

Towson University West Village Master Plan

AMT provided master planning and full design for the necessary infrastructure needed to support the planned expansion of the West Village Precinct at Towson University. The expansion consisted of 12 buildings including student housing, student union building, and a parking structure. The construction documents addressed the infrastructure needs for the first phase of construction consisting of two student housing buildings, but also through the master planning process accommodates all future master plan build out.

A traffic study analyzing future master plan and Phase 1 improvements was conducted and a signal warrant study was prepared to determine the need for a signalized intersection at the West Village entrance road. Approximately 4,000 LF, consisting of new access road, service road and new pedestrian street, was designed. Alignments and grades were carefully designed, anticipating future building locations and grades. New parking lots were provided and existing lots were reconfigured and rehabilitated. A 1,000 LF approximately 10' high retaining wall was provided.

Client Contact Information:
Towson University
Dennis Bohlayer
410-704-3392 (phone)
dbohlayer@towson.edu

FBI Academy On-Call A/E Services

AMT provided civil design and construction administration services for sites, roadways and parking lots at the FBI Academy in Quantico, Virginia. Projects included the Practical Training Village, Building 6 Renovations, and the Hostage Response Team (HRT) administrative facilities with heli-pad. Paving plans included: drainage and pavement repairs for the Tevoc track facilities; parking lot and access road repairs for the Building 6 Facilities; Building 7 mill and overlay paving; new sidewalks and pavement repairs at Jefferson Dormitory; Pavement crack repairs, slurry seal and pavement markings for the main visitor parking lot; variable street and parking repairs in the facilities accessed by Hogan's Alley; new sidewalks and full depth paving on Hoover Road; paving repairs around the Engineering Research Facility including parking lots; pavement repairs on Range Road, Investigation Parkway, and Bureau Parkway; a new alignment extension on Administration Drive; and parking lot slurry seal and wedge and level design (drainage problems).

Client Contact Information:
Federal Bureau of Investigation
Paul Jaskot
703-623-1511 (phone)

Criminal Justice Information Services Division of the FBI

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. Plan, profile and details were provided.

West Guard House Canopy Design: Designed 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.

Client Contact Information:
N/A - Retired

Vehicle Barriers: In support of the repair or replacement of the ten (10) vehicle barriers, prepared the site plan for each of the barrier locations, indicating existing site conditions at each barrier.

East Road Drainage System: Designed corrective measures for two (2) areas of settlement/cracking in the sidewalk between the parking lot and the main building. Additionally, evaluated and designed corrective measure to address erosion occurring around the road embankment. Also 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.

VDOT Northern Virginia 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.

Client Contact Information:
Virginia Department of Transportation
Timothy Crooks
804-371-6728 (phone)
Tim.Crooks@VDOT.Virginia.gov

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.

Pegg Road Extended Planning Study

To reduce congestion/delays on all major roadways in the immediate area and provide connectivity with the community, AMT provided transportation planning, preliminary roadway design, and environmental/SHA – MEPA services for the Pegg Road Extended Project, a length of approximately 2.5 miles. Traffic analyses were conducted to determine short-term and long-term impacts. A signal warrant analysis was conducted to determine the appropriate traffic control device where the extended roadway connected to the existing road network. Analyses were also conducted to determine traffic control at intersections and the viability of a roundabout. Lastly, the traffic forecasts were updated to reflect 2030 traffic conditions to account for additional developments and traffic growth.

Client Contact Information:
St. Mary's County
John Groeger
301-863-8400 (phone)
john.groeger@co.saintmarys.md.us

AMT also provided planning and preliminary engineering of four possible design alternatives (No-Build, Alignment Alternatives 1 and 2, and Partial Alignment Alternative) including the analysis of future traffic forecasts, future travel patterns, preliminary environmental analyses, etc. The intent was to evaluate each alternative based on impacts to the extension on the existing roadway network, businesses and residential areas, as well as any environmental impacts. The selected alternative was analyzed to determine how SWM needs would be met given new ESD requirements. Wetland delineation and archaeological (Phase I) field surveys were conducted; a wetland "complex" was mapped; and Determination of Eligibility (DOE) was prepared. An Environmental Assessment Form (EAF) and an Environmental Effects Report (EER) were prepared for review and approval. AMT developed a tailored public outreach strategy and public relations campaign to present relevant information to impacted residents and build/sustain public support.

Southgate Drive and US 460 Bypass Interchange

AMT designed new roadway alignments, new interchange, roadway widening, and new/relocated bicycle/pedestrian facilities adjacent to Virginia Tech (VT) in order to eliminate the existing signalized at-grade T-intersection at the heaviest used, primary entrance to VT campus. Roadway improvements for which AMT was responsible include: a new diverging diamond interchange, new alignment for 0.75 miles of Southgate Drive and 1 mile of Research Center Drive through the VT Campus, two new roundabouts, a new dual bridge for the grade separation of Southgate Drive and US 460, MSE and soil nail retaining walls, roadway widening and intersection design, trail realignment, landscape design, closed and open drainage, SWM quality and quantity control facilities, E/S control, and new culvert crossings. AMT also completed traffic analysis, signing, lighting, pavement markings, signal design, a multi-phase MOT plan, utility relocation designs, and environmental permit sketches.

Client Contact Information:
Virginia Department of Transportation
Phillip Hammack, PE
540-378-5041 (phone)
Phillip.Hammack@vdot.virginia.gov

West Virginia Army National Guard – Moorefield Readiness Center

AMT's subconsultant, Bastian & Harris, was the architect for this 57,000 SF building in Moorefield, West Virginia which houses the WVARNG MP Unit and the Hardy County EOC. It features an enhanced Drill Hall and Distance Learning Classroom, and Multiple Community Classrooms. The structure is comprised of reinforced load bearing masonry supporting steel joists and beam. All windows are blast resistant fixed aluminum frames with bullet resistant insulated glass. Roofing is EPDM membrane over rigid insulation and sloped metal panels.

Caperton Center Enhancements

AMT's subconsultant, Bastian & Harris, was the architect for this 22,000 SF conference facility in Beckley, West Virginia, designed to have the widest range of flexibility to accommodate conferences of all sizes and has a dividable space to allow for multiple simultaneous events. Other spaces include ADA toilets, smaller conference room, offices, storage, pre-function space which opens with a large glass wall onto the plaza, atrium with seating for approximately 100, food service expansion of kitchen, and bus entrance drive with handicapped parking. The structure is steel frame with exterior stone and masonry bearing walls. The interior walls are gypsum board on metal studs. A portion of roof area is single-ply EPDM roofing membrane over tapered insulation system and major roof area of metal system over felt and plywood sheathing over rigid insulation on metal roof deck.

Arthur Weisburg Family Applied Engineering Complex at Marshall University

AMT's subconsultant, Bastian & Harris, was the architect for this 145,000 SF building consisting of 4-stories of occupied space plus a mechanical penthouse on the 5th Floor. The facility includes classroom space, faculty offices, administrative offices, computer labs, research and teaching laboratories for Computer Science, Engineering, Safety, Marshall University Research Corporation (MURC) Offices and Incubator Facilities, and the College of Science. The combination and arrangement of teaching, research, and office spaces are intended to foster collaboration between the Colleges. This building is designed to achieve LEED Silver Certification.

Integrated Natural Resources Management Plan (INRMP) Update at the Camp Ravenna Joint Military Training Center

AMT's subconsultant, EnviroScience, Inc., has been contracted by the Ohio Army National Guard (OHARNG) to provide environmental consultancy support for evaluating and updating the existing Integrated Natural Resources Management Plan (INRMP) at the Camp Ravenna Joint Military Training Center (CRJMTC) in Portage and Trumbull Counties, Ohio, in accordance with The Sikes Act (16 USC 670a-670o, 74 Stat. 1052) for cooperation by the Department of the Interior and Department of Defense with State agencies in planning, development and maintenance of fish and wildlife resources on military reservations throughout the United States. This update acted as a review for operation and effect of the 2008 INRMP for the 21,680-acre facility and involved incorporating all biological surveys, facility changes, and status updates that have occurred with regards to natural resources, since the finalization of the 2008 INRMP. As a result of this effort, continued implementation of the INRMP has been favored by cooperating environmental agencies for conservation and preservation of natural resources while in support of the installation's primary purpose, the military mission.

As part of updating the INRMP, EnviroScience was also tasked with updating 22 maps and related spatial data, packaged within a completely new, visually pleasing, map layout design. Integration of several datasets and sources was necessary to capture, and subsequently map, current conditions. Sources included publically available spatial data from USFWS and USGS, the previous geodatabase, field survey data from the previous 5 years, GIS shapefiles, CAD drawings, hand-drawn paper maps, and hand-written data. Additionally, heads-up digitizing captured verbal accounts of current conditions as given by Timothy Morgan, CRJMTC's State Environmental Manager of 20+ years. Cartographic products included an installation and facilities map, soils classification, surface water, surveyed wetlands, forest management, rare species locations, improved/semi-improved/unimproved grounds, mowing plan, herbicide vegetation control map, hunting areas, map, cultural resources / archaeological survey map, timber harvest history, timber stand improvement, and others.

In conjunction with updates to the INRMP, planning level surveys (PLS) were also updated to include survey, inventory, and spatial data within the previous 5 years for threatened and endangered species, wetlands, surface waters, vascular plants, and fauna. Additional mapping was also required for this task and resulted in 2-6 additional maps per PLS.

Proposed Midwest Nuclear Station

AMT's subconsultant, EnviroScience, Inc., performed a natural resources study to identify all ecological resources present on a 1,400-acre site in southern Ohio. This study included multi-season studies of the plant, avian, mammal, amphibian, reptile and fish communities within the project area, as well as wetlands and streams. Additionally, listed rare, threatened, and endangered species and their habitats, and the Indiana bat (*Myotis sodalis*) were also surveyed. Wetland delineations were conducted in accordance with the *Corps of Engineers Wetlands Delineation Manual* (1987), the OEPA Ohio Rapid Assessment Method v. 5.0 (2001), and Headwater Habitat Evaluation Index (HHEI). Indiana bat surveys were conducted to determine presence/absence. Coordinated with the USFWS to determine the extent of the potential habitat on site and the survey effort required. Conducted a mist net survey using double-canopy ultra-fine mesh nets. Nets were set at dusk and checked every 20 minutes for a 5-hour period each night. Data collected on captured bats include species, sex, weight, age, weight, reproductive condition and capture site. All features were surveyed using differential Global Positioning System (dGPS) and data were used to create digital mapping in ArcGIS. Following the field work, EnviroScience presented the results in a wetland delineation report, Indiana bat survey report and ecological studies report.

EnviroScience identified nearly 288 plant species, 27 reptile and amphibian species, 100 bird species, and 23 mammal species. 109 functional wetlands, accounting for nearly 9 acres, were identified and evaluated. No state or federal listed threatened or endangered species, including the Indiana bat, were identified during the study. Based on these results and the locations of sensitive rare species, EnviroScience recommended areas for Active Recreational, Passive Recreational or Restricted Recreational management zones, including 4 preserves to protect the restricted zones. These preserves comprise over 440 acres of the park, which includes two ledges, a pristine riverine wetland, a large mixed emergent marsh and a bog-like wetland. In addition, 10 restoration projects were recommended for further evaluation, as well as several areas in need of further investigation or monitoring.

PFC Abraham G. Sams Memorial Bridge

The PFC Abraham G. Sams Memorial Bridge (Camp Creek Truss Bridge; AGSM) crosses the Elk River, in Clay County, WV. In 2000, the existing bridge was found to have a sufficiency rating of 39.4 out of 100, and determined to be functionally obsolete and structurally deficient. Deterioration of the AGSM Bridge resulted in a 7-ton weight restriction for vehicles using the bridge. The weight restriction limited the use of the bridge to cars and light commercial trucks and excluded heavy trucks and buses. The WVDOH needed to replace or repair the bridge, but the design was further complicated by topography, surrounding residences, and the presence of federally and state protected aquatic resources.

The Elk River was known to support six animal species that are federally listed as threatened or endangered (T&E): *Lampsilis abrupta* (Pink Mucket), *Pleurobema clava* (Clubshell), *Villosa fabalis* (Rayed Bean), *Epioblasma t. rangiana* (Northern Riffleshell), *Epioblasma triquetra* (Snuffbox), and *Crystallaria cincotta* (Diamond Darter). Previous surveys identified T&E species immediately below and downstream from the existing bridge. Between 2009 and 2015, AMT's subconsultant, EnviroScience, Inc., assisted WVDOH with a series of endangered mussel presence/absence, population studies, and habitat surveys for various alternative designs. EnviroScience assisted WVDOH with alternatives analysis, informal coordination and developing the preferred project construction alternative that addressed the project need while minimizing the effects on listed species. EnviroScience used a combination of diver-collected qualitative, quantitative, and substrate data to determine the impacts of each project and construction alternative. Based on this information, a preferred alternative was selected. Jointly, the FHWA, the WVDOH, and EnviroScience prepared a Biological Assessment in according to Endangered Species Act guidelines of 1973.

New Access Road for the Huntington VA Medical Center

AMT's subconsultant, NGE, provided geotechnical drilling and engineering services for a new access roadway into the VA Medical Center in Huntington, West Virginia. The new access road will connect the southern end of the VA Medical Center to Spring Valley Drive. The new roadway will be approximately 3,000 feet long, with approximately 325 feet of elevation change. Significant cut slopes and fill embankments are required for the project. The area of the proposed roadway traverses numerous areas of past slope instability.

NGE's scope of work for this project included the following:

- Field work coordination including site reconnaissance, drilling supervision and sample logging.
- Drilling of 11 test borings including standard penetration testing and sampling and rock coring.
- Laboratory testing of representative soil samples obtained from the test borings.
- Preparation of a geotechnical engineering report to address the following items:
  1. A description of the subsurface conditions encountered at the test boring locations including detailed typed boring logs.
  2. Results of the laboratory testing performed to classify the soils and aid in determination of their engineering properties.
  3. Slope stability analysis of planned fill embankments.
  4. Recommendations for site preparation and earthwork including cut slope design, fill embankment design, and fill placement recommendations.

Coonskin Park Bridge and New Access Roadway

AMT's subconsultant, NGE, provided geotechnical drilling and engineering services for a new bridge and access roadway into the Coonskin Park in Charleston, West Virginia. NGE provided services to the Contractor for this design/build project. The new access road and bridge carries Coonskin Drive over the Elk River and connects with US Route 119. The bridge consists of a 3-span structure approximately 470-feet in length.

NGE's scope of work for this project included the following:

- Field work coordination including site reconnaissance, drilling supervision and sample logging.
- Drilling of 8 test borings including standard penetration testing and sampling and rock coring.
- Laboratory testing of representative soil and bedrock samples obtained from the test borings.
- Performance of cross-hole sonic logging of the bridge foundations during construction to verify the integrity of the drilled shaft concrete.
- Preparation of a geotechnical engineering report including the following information:
  1. Boring location plan.
  2. A description of the subsurface conditions encountered at the test boring locations including detailed typed boring logs.
  3. Results of the laboratory testing performed to classify the soils and aid in determination of their engineering properties.
  4. Slope stability analysis of planned fill embankments and bridge abutments.
  5. Recommendations for site preparation and earthwork including cut slope design, fill embankment design, and fill placement recommendations.
  6. Geotechnical foundation design recommendations for each bridge substructure unit including foundation type, depth and ultimate resistance of bearing materials.

Catholic University Master Plan

AMT's subconsultant, TCT Cost Consultants, LLC, provided cost estimating services for the University's master plan, which was proposed as a long-term blueprint for the campus to create a cohesive setting. In order to support this vision, it was recommended that several buildings be razed. Given that the master plan was a 15-year road map, building demolitions have been separated into three categories: near-term building demolitions, framework plan building demolitions, and other potential building demolitions. Near-term building demolitions identified structures that needed to be replaced because they were either in poor condition, or underutilized sites, or both. It was anticipated that these buildings would be razed during the first five years of the plan.

Rutgers University Master Plan

AMT's subconsultant, TCT Cost Consultants, LLC, provided cost estimating services for the new Rutgers University master plan, also called Rutgers 2030. TCT provided planning-level cost information, including operating costs and planning-level anticipated construction costs for the master plan. This was the University's first physical master plan since 2003. Since that time, the University has undergone significant growth and change. The most recent master plan reassessed each campus's needs and goals, both individually and as part of the entire Rutgers system. The physical master planning process established a baseline status and produced strategies for future growth that respond to the university's long-term goals.

Alexandria City Public Schools – Master Plan Estimates

AMT's subconsultant, TCT Cost Consultants, LLC, has provided cost estimating services for additions, renovations, and updates in support of new master plans at the following Alexandria City Public Schools: Charles Barrett Elementary School, Cora Kelly Elementary School, Douglas MacArthur Elementary School, George Washington Middle School, Hammond Middle School, James K. Polk Elementary School, John Adams Elementary School, Lyles-Crouch Academy, Samuel Tucker Elementary School, and T.C. Williams High School.

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: 291723

Doc Description: Sullivan Tract Master Plan Design Services Project

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2017-01-18	2017-02-14 13:30:00	CEOI 0603 ADJ1700000005	1

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:

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

FOR INFORMATION CONTACT THE BUYER

Jessica S Chambers
(304) 558-0246
jessica.s.chambers@wv.gov

Signature X **FEIN #** 52-0728302 **DATE** February 14, 2017

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

ADDITIONAL INFORMATION:

Expression of Interest

The West Virginia Purchasing Division is soliciting Expression of Interest for the Agency, The West Virginia Army National Guard Construction and Facilities Management Office from qualified firms to provide architectural/engineering and other professional services for the development of a Master Plan for the Sullivan Tract property near Beaver, WV. as defined herein.

* Online submissions are prohibited for Expression of Interest solicitation responses.*

INVOICE TO	SHIP TO
DIVISION ENGINEERING & FACILITIES ADJUTANT GENERALS OFFICE 1707 COONSKIN DR CHARLESTON WV25311 US	DIVISION ENGINEERING & FACILITIES ADJUTANT GENERALS OFFICE 1707 COONSKIN DR CHARLESTON WV 25311 US

Line	Comm Ln Desc	Qty	Unit Issue
1	Sullivan Tract EOI Design Services		

Comm Code	Manufacturer	Specification	Model #
81101508			

Extended Description :

Professional engineering design services to develop construction documents to provide a master plan for the Sullivan Tract, located near Beaver, WV, per the attached documentation.

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.

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 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)

February 14, 2017
(Date)

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

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

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)

☐ 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 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

February 14, 2017
Date

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

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: 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 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: February 14, 2017

State of Maryland

County of Montgomery, to-wit:

Taken, subscribed, and sworn to before me this 14 day of February, 2017.

My Commission expires 1/12, 2021.

AFFIX SEAL HERE

NOTARY PUBLIC _____

JANICE GARY NOTARY PUBLIC MONTGOMERY COUNTY, MD