BURGESS & NIPLE

Engineers ■ Architects ■ Planners

Expression of Interest

Charleston Complex Access Road and Utility Upgrades #DEFK 11024

West Virginia Army National Guard Construction and Facilities Management Office (CMFO)





January 25, 2011





Department of Administration Purchasing Division Building 15 2019 Washington Street, East Charleston, WV 25305-0139 Re: DEFK11024 – Expression of Interest West Virginia Army National Guard Charleston Complex Access Road and Utility Upgrades

January 25, 2011

To Whom It May Concern:

Burgess & Niple, Inc. (B&N) is excited to present this proposal to provide the Charleston Complex Access Road and Utility Upgrades project that will service tuture buildings in the vicinity of the existing West Virginia Army National Guard Annex Building.

B&N has a long and distinguished track record working on military projects including over a dozen projects for the West Virginia Air National Guard. Our resume includes projects for each branch of the military located at installations all across the United States, and we have won design awards on many of them. Currently members of our firm are working on the design of two very important projects that have a relationship to the development of this new access road. We are designing the new Child Development Center for which the proposed roadway will provide vehicular access to. We are also designing the new entry road and a Guard House Facility for the 130th Airlift Wing that will become the new main entry for the Base and close off Coonskin Drive from public access at this location.

Our staff is uniquely qualified for the Charleston Complex Project. Collectively we are experienced in all facets of the project. We have experience with the design of access roads and utility infrastructure incorporating current anti-terrorism force protection requirements.

Our architects and engineers are well versed in the importance of thoroughness and accuracy required in design review submittals and in the importance of meeting the design schedule.

We look forward to the opportunity to serve as the design team for the Charleston Complex Access Road and Utility Upgrades project and look forward to the opportunity to once again work with the dedicated members of the West Virginia Army National Guard.

Sincerely,

Rodney D. Holbert, PE, Principal-in-Charge

Hodney D. Holbert

Parkersburg District Director

RDH:jeb Attachment



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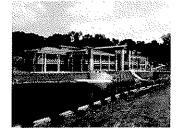
BACKGROUND

Burgess & Niple (B&N) was founded in 1912 and has provided professional design services continuously since that time. In 2003, the firm incorporated as Burgess & Niple, Inc. We operate from 20 offices in nine states.



Since opening the Parkersburg office in 1972, B&N has provided a wide range of services to military branches, municipal, county, state, and federal governments; utilities; corporations; and industries and individuals in West Virginia. From initial selection through completion of construction, your project will be managed from the Parkersburg office with assistance from our office in Cincinnati, Ohio.

Nationwide, B&N has a current staff of 500 design and support professionals in a broad range of architectural/engineering disciplines, supported by experienced multi-disciplined technicians, drafters, construction representatives, and administrative staff. Our business development structure focuses on projects in the following five core business areas.



Architecture
Federal/Military

Environmental
Transportation
Utility Infrastructure

Teams assembled from the specific disciplines listed below design/provide a wide variety of projects and services for our clients within our core business areas. Our computer network, centralized computer-aided design and drafting systems, in-house graphic design group, surveying, geotechnical, drilling capabilities, and other special services provide invaluable support for project teams in all offices.



Architecture
Chemical Engineering
Chemistry
Civil Engineering
Electrical Engineering
Environmental Science

Geology

Geotechnical Engineering Hydrology Landscape Architecture Mechanical Engineering Plant Operations Sanitary Engineering Structural Engineering

Surveying

Transportation Engineering
Transportation Planning
Urban & Regional Planning

B&N is currently rank 104th on *Engineering News Record's* list of the top 500 design firms in the United States. We are proud of our recent growth and it is our goal to provide close, personal service to our clients. Nearly 80-percent of our annual business is obtained from previous clients. This is ultimate testimony to our performance record.



TECHNOLOGY



We are committed to providing our employees with the latest in technological equipment. In addition to computer workstations for every employee, our CADD software capabilities include MicroStation and AutoCAD 2010.



Our Parkersburg office is connected to all B&N district offices by high speed Local Area Network and Wide Area Network connections running at speeds up to one gigabyte. Our offices are linked together by a Frame Relay Network using T1 connections. Our design and support professionals coupled with our commitment to technological advancement, greatly simplifies the process of simultaneously working together on a project. This unique presence allows us to provide the high level of service necessary for the West Virginia Army National Guard, Charleston Complex Access Road and Utility Upgrades project.

COST ACCOUNTING SYSTEM



We have an established corporate accounting system organized around Federal Accounting Regulations. Our firm has been audited by the WVDOT in the past as part of the routine closeout of previous projects performed under our Statewide Engineering Agreement. The results of these audits have found that our job-order cost accounting system is "adequate for the segregation and accumulation of cost for cost reimbursement and fixed price type contracts." Our most recent Cost Accounting Information Statement was prepared on January 10, 2011.

LOCATION OF PROJECT OFFICE

Our project team for the Charleston Complex Access Road and Utility Upgrades project will be centered in our Parkersburg office. As with other past projects, assistance may be provided by the firms' other offices should this be necessary to efficiently meet the scope of service requirements and schedule for the project.



DIVERSITY OF EXPERIENCE

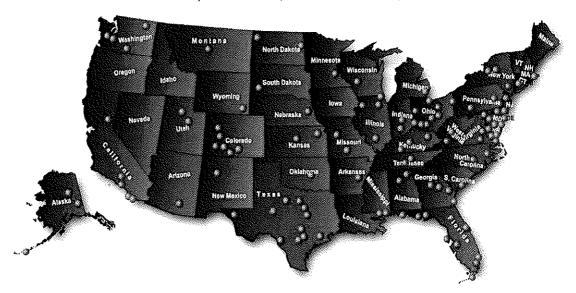
B&N's strength is its breadth of diversity and experience. Our company's long standing success of providing multidisciplinary architecture and engineering services allows us to deliver the right skills to execute a project. We are very confident in our ability and flexibility to meet our clients' needs. Above all, we maintain a relentless focus on solutions that work. Our commitment is to provide the precise service needed and the end product envisioned, exceeding expectations whenever possible. The following table shows the type and experience of in-house services B&N typically provides on its projects.

Type of Experience	B&N Military Experience
New Construction	
Facility Alteration & Repairs	
Complete Designs	
Concept Level Designs	
Comprehensive Planning	
Design/Build RFP Documents	
BIM Data Development	
Building Design	
Design of Demolition	
Hazardous Materials Survey	
Analysis & Abatement Methodology	
Sustainable Design	
Construction Cost Estimates & Schedules	
Technical Studies & Analysis	1
Survey	
Geotechnical Analysis	
Structural Design	
HVAC Design	
Plumbing Design	
Electrical Design	
Telecommunications Design	
Fire Protection Design	
Grading Design	
Utilities Design	
Alteration & Repair of Utilities	
Paving Design	
Landscape Design	
AT/FP Measures	
LEED® Accreditation	
Specifications	
AutoCAD, MicroStation & BIM	
Site Visits & Investigations	
Services During Construction	
Construction Documentation	



SPECIALIZED EXPERIENCE

B&N is a full service A/E firm that has served all branches of the United States armed forces. B&N staff members have completed projects in 44 states and on more than 100 military installations (as shown on the map).



Our military experience includes design, design-build, ID/IQ contracts, new construction, renovation and restoration, site investigations, cost estimating, construction administration, environmental compliance, sustainable design, anti-terrorism/force protection, civil works facilities, flood control, roadway, utilities, dams/bridges, and master planning.

MILITARY DESIGN CENTER OF EXCELLENCE



B&N's military design is managed programmatically. A single Command & Control group manages the entire program. Program managers, project managers, and core staff are 100 percent dedicated to military work. They know your needs and expectations, your design standards, AT/FP, LEED*, and constantly apply "lessons learned" and innovative approaches to problem solving. We have 100 members of our staff dedicated FULL TIME to military and government design.



GOVERNMENT CLIENTS



National Guard

WV Army National Guard

WV Air National Guard
Ohio Army National guard
Ohio Air National Guard
Virginia Air National Guard
Indiana Army National Guard

Military

US Air Force

US Air Force Reserve
US Air National Guard

US Army

US Army National Guard

US Coast Guard

US Navy

US Navy and Marine Reserve



Army Corps of Engineers

USACE Baltimore District
USACE Buffalo District
USACE Huntington District
USACE Little Rock District
USACE Louisville District
USACE Nashville District
USACE New England District
USACE New York District
USACE New York District
USACE Pittsburgh District
USACE Sacramento District
USACE Sacramento District
USACE Savannah District
USACE Seattle
USACE Wilmington District

USAESC Huntsville

Federal Agency

Defense Logistics Agency
Federal Emergency Management Agency
General Services Administration
Natural Resources Conservation Services
Small Business Administration
USDA Forest Service
US Department of Agriculture
US Department of Interiors
US Environmental Protection Agency

US Geological Survey

US Postal Service

Veterans Administration





RECENT MILITARY EXPERIENCE



B&N, like its military clients, is a dynamic, technology-based, and performance oriented organization. We are proud to serve all branches of the U.S. Armed Forces and are proud to consistently meet the military's high standards for architectural and engineering services. The result is experience in multiple types of military projects. The table below is an overview of our last seven years of military project experience.

PROJECT NAME	Owner	New or Renovation	Training Centers	Maintenance Shops	Aircraft. hangars	HQ, Admin.	Lodging / Facilities	Community Activity Ctrs.	Laboratory	Intelligence	CDC/ Center Youth	Const. Cost
Readiness & Training Center, WVARNG	Army	New				•						\$9.5M
WVANG ID-IQ ~ 130 th AW, 167 th AW	ANG	Reno										N/A
USCG Station, Gulfport	USCG	New		III								\$16.4M
Project Seahawk Port Security Center	USCG	Reno		•		•						\$9.3M
NBC Ready Center, Ft. Pickett	Army	New				-						\$1.3M
SIMNET Training Center, IAARNG	Army	New										\$1M
Ft. Jackson Drill Sergeant School & Dining Facility	Army	New						•				\$17.2M
USARC (J Diamond) New Orleans	Army	Reno		•				•				\$14.5M
Ft. Bragg Brigade Combat Team Complex	Army	New						II				\$114M
Defense Supply Center Columbus	DLA	Reno		#				III				N/A
SCIF Office Bldg 20016, WPAFB	AF	Reno										\$850,000
Flight Ops Center, Westover ARB	AF	New		-								\$4M
USCG Station, Sheboygan	USCG	Reno		•								\$600,000
P235 Administrative Facility	Navy	New				=						\$25.7M
Andrews AFB FRR	AF	Reno										\$7.8M
Rickenbacker ANG, VOQ	AF	Reno					-					\$3.5M
Fort Riley COF	Army	New										\$9M
Ft. Bragg Barracks & COFs	Army	New										\$89.6M
Ft. Benning VMIF & TEMF	Army	New				m						\$75M
Fort Campbell COF	Army	New										\$11.6M
Fort Bragg 192 nd EOD COF	Army	New	-									\$6.2M
WPAFB/88CEG IDIQ	AF	Reno				II	=	•				N/A





PROJECT NAME	Owner	New or Renovation	Training Centers	Maintenance Shops	Aircraft Hangars	HQ, Admin.	Lodging / Facilities	Community Activity Ctrs.	Laboratory	Intelligence	CDC/Youth Center	Const. Cost
Pope AFB Airmen's Center	AF	Reno										\$6M
Human Performance Wing, WPAFB	AF	New							in .			\$200M
YARS IDIQ	AF	Reno										N/A
Ft. Gordon TBUP	Army	Reno					II					\$40M
Bolling AFB Family Housing	AF	New										\$47.5M
Ft. Knox Dining Facility	Armγ	New										\$10M
Ft. Stewart 5 th IBCT Barracks	Army	New										\$92M
Ft. Lewis SOF/3 rd Div. Barracks	Army	New					-					\$35.7
Ft. Eutis Barracks Bldg. 1004	Army	Reno										\$2.9M
Ft. Eutis Barracks Bldg. 1002	Army	Reno										\$3.5M
Ft. Knox IBCT Barracks (600)	Army	New										\$48.6M
Ft. Knox IBCT Barracks (841)	Army	New										\$62M
New Enlisted Dorm, WPAFB	AF	New										\$9.6M
Airmen Dorms Reno., WPAFB	AF	Reno										\$5.7M
Bayview Towers (Langley AFB)	AF	Reno										\$18.7M
Camp Lejeune Family Housing	USMC	New		***************************************								\$19.4M
Ft. Eustis Transportation Inn)	Army	Reno										\$2.2M
130AW Aerospace Dining Hall	AF	Reno										N/A
Langley AFB MACC	AF	Reno				-						N/A
CIDC Center, Ft. Eustis	Army	New										\$1.8M
Seymour Johnson AFB Dorm	AF	Reno					=					\$3M
Ft. Lewis Stryker Brigade Dining Hall	Army	New										\$13M
Ft. Sam Houston Youth Center	Army	New										\$6M
Ft. Bliss Youth Center	Army	New				•						\$3.8M
Ft. Bliss CDC	Army	New										\$3M
FT. Carson Dining Facility	Army	New						110				\$13M
Ft. Carson CDC (6-10) Large	Army	New				-						\$10M
Tracy DDJC CDC Medium	Army	New				#					***	\$3M
Ft. Carson CDC Medium	Arm	New				-						\$9M



PROFESSIONAL EXPERIENCE

Our past clients include federal agencies, state transportation departments, county, city, and corporate entities. We believe our past accomplishments are the best indicators of our future performance. To confirm our past accomplishments, we offer the following list of professional references for your review.

Mr. Joseph McClung West Virginia State Armory Board Facilities Management Office 1703 Coonskin Drive Charleston, West Virginia 25311 304.561.6548

Mr. Dale Krohn, RA, Design Manager USAF 88th ABW/CECP Building #11, 5151 Wright Avenue WPAFB, Ohio 45433-5339 937.656.3578

Mr. Greg Bailey, PE
Engineering Division
West Virginia Department of Transportation
Building 5, Room A-317, 1900 Kanawha Boulevard, East
Charleston, West Virginia 25305
304.558.9722

Mr. Eric Bennett, General Manager Parkersburg Utility Board 425 19th Street Parkersburg, West Virginia 26101 304.424-8535







CUSTER RIDGE ROAD RELOCATION

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION PUTNAM COUNTY, WEST VIRGINIA

With the announcement of a new Toyota Engine Plant coming to Buffalo, WV, the West Virginia Department of Transportation retained Burgess & Niple to prepare construction plans for the relocation of Custer Ridge Road (County Route 35/2) and a drainage channel.

Details of the work included:

- One mile of roadway and one-half mile of channel
- Completion of construction plans in one month
- Crossing Consolidated Rail Corporation railroad tracks

Tyler County School Bridge and Access Road

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION TYLER COUNTY, WEST VIRGINIA



County Route 18/20 and the new Tyler County School Bridge over Point Pleasant Creek was constructed as an access to the new Tyler County Middle / High School. The bridge is a 3-span (32 ft - 40 ft - 32 ft) structure utilizing AASHTO M270 W18 beams.

Burgess & Niple was contracted to prepare construction plans for the proposed structure and roadway.

Details of the work included:

- Twenty-six-foot-wide flared deck with four-foot-wide sidewalk
- Addition of left turning lane on County Route 18
- · Rock cut and slope design



APPALACHIAN CORRIDOR D/US ROUTE 50

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION WASHINGTON COUNTY, OHIO AND WOOD COUNTY, WEST VIRGINIA



The primary objective of the Appalachian Corridor D Highway was to stimulate economic development in the Parkersburg/Belpre area. Increased access and mobility helps the area attract new investment and business activity. The new corridor provides a safer alternative for motorists and reduces heavy traffic volumes. Previous roadways in the Parkersburg area were characterized by restricted sight distance, diminished intersection operating characteristics and horizontal alignment based upon old standards, significant on street parking, and other hinderances.



Burgess & Niple (B&N) was retained by the West Virginia Department of Transportation to study, design and prepare construction plans and related documents, for Sections 1 and 3, a 2.25- mile section in West Virginia and Ohio, and Section 6, a 2.85-mile section, of 4-lane divided highway section in West Virginia.

Key elements of Sections 1 and 3:

- Four overpass structures
- Freeway-to-freeway trumpet style interchange
- Modifications to an existing diamond interchange
- Complex maintenance of traffic and traffic control
- Completion date 2007; Estimated cost was \$50 million

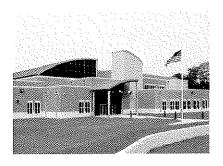
Key elements of Section 6:

- Six overpass structures and 2 stream crossing structures
- 1,300 linear foot structure over the Little Kanawha River
- Interchanges at relocated WV Route 47 and relocated 7th Street
- Two mechanically stabilized earth retaining walls
- Various Wood County route relocations
- Project was completed in 2005 at a cost of \$99.5 million



WILLIAMSTOWN READINESS CENTER

NATIONAL GUARD AVIATION CENTER WILLIAMSTOWN, WEST VIRGINIA



Burgess & Niple (B&N) provided A/E design and construction documents for the new Williamstown Readiness Center (WVARNG armory) located northeast of the existing West Virginia National Guard Army Aviation Support Facility and helicopter tarmac at the Wood County, WV Airport.

The Williamstown Readiness Center is actually two buildings. The primary building is a two-story structure of approximately 47,530 square feet. The first floor consists of both public uses, such as classrooms, and military uses, such as lockers, storage, and vehicle maintenance. The second floor is allocated for military administration areas. A one-story, high-bay secondary building of 6,450 square feet to be used for unheated storage was designed but not constructed. Total square footage of both facilities is approximately 53,980 square feet.

Exterior walls are predominately concrete block with brick veneer. Decorative concrete block is used as accents. Roofs are a combination of standing seam metal roofing and adhered single-ply membranes.

The building is heated, cooled, and ventilated using multiple gas fired / DX rooftop packaged HVAC units.

The sprinkler system is an automatic wet pipe system. The density varies according to the space usage and classification. Loading docks and other freeze prone areas are provided with freeze proof sprinkler heads. Sprinkler heads are upright or pendents depending on the room finishes. A new fire pump and jockey pump are provided to assure proper sprinkler operation.

Water Service is provided to the proposed facility from an A-C 6-inch line that runs along the north side of State Route 31. This existing 6-inch main currently delivers 80 psi. A water storage tank for fire protection was required to serve the facility. Domestic pumps are provided at the pump house to serve the domestic water needs.

Sanitary Sewer Service follows the existing access road and taps into a sewer main along State Route 31. The on-site sanitary sewer line is sized to handle both the new facility and the existing West Virginia National Guard Facility.



MID-OHIO VALLEY REGIONAL AIRPORT

WOOD COUNTY AIRPORT AUTHORITY PARKERSBURG, WEST VIRGINIA



Burgess & Niple (B&N) has provided exemplary service to the Wood County Airport Authority for more than 30 years. Key projects include: lighting and signage design; structural analysis; **site access road design**; Airfield Rescue and Fire Station design; airport entrance road improvements; underground storage tank (UST) removal and aboveground storage tank (AST) installation design project which included an evaluation and preliminary design phase; detail equipment specification; preliminary site design layouts; a performance specification; and bidding assistance.

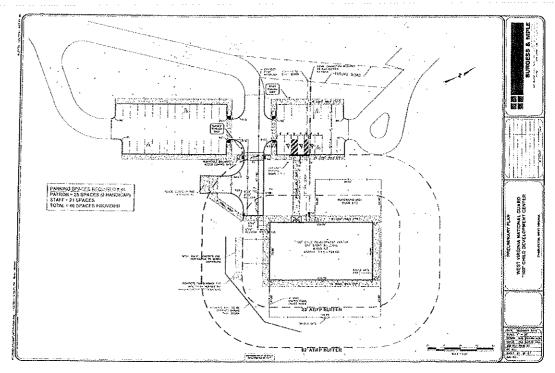
The preliminary design report provided the Airport Authority a description of the existing gasoline, diesel, and jet fuel USTs, a summary of the UST removal requirements and AST installation requirements, and the preliminary design alternatives for ASTs for the vehicle and jet fueling systems. B&N prepared equipment specifications for the purchase of the tank systems the airport elected to install and prepared performance specifications and layouts for the installation work, as well as a UST removal performance specification.



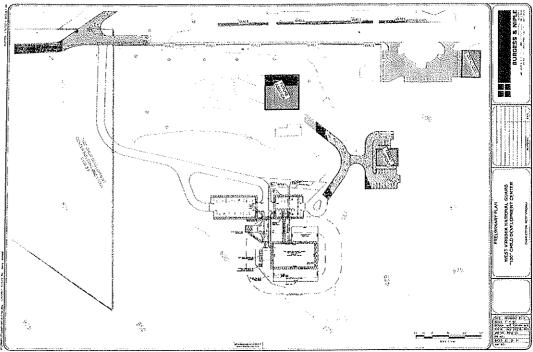
CHILD DEVELOPMENT CENTER

WEST VIRGINIA NATIONAL GUARD CHARLESTON, WEST VIRGINIA

PRELIMINARY ENLARGED
SITE PLAN FOR THE NEW
CHILD DEVELOPMENT
CENTER



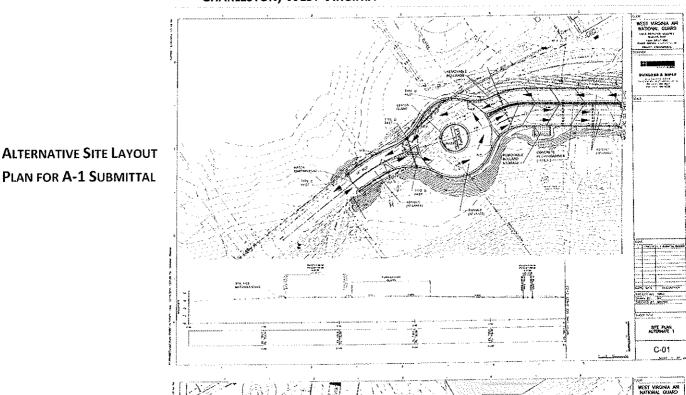
PRELIMINARY SITE PLAN FOR THE NEW CHILD DEVELOPMENT CENTER



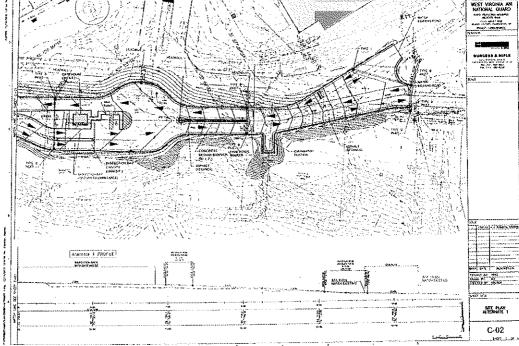


WEST VIRGINIA AIR NATIONAL GUARD

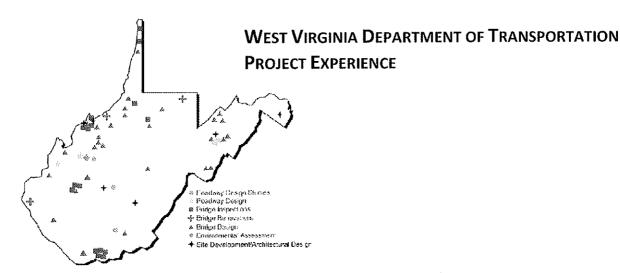
TYPE A-1 SUBMITTAL CHARLESTON, WEST VIRGINIA



ALTERNATIVE SITE LAYOUT PLAN FOR A-1 SUBMITTAL







ROADWAY DESIGN STUDIES

U.S. Route 33, Roane County U.S. Route 19, Braxton County New River Parkway, Summers County

ROADWAY DESIGN

Durgon Curve, Hardy County
Petersburg Gap, Grant County
Jackson Co. Maintenance Facility, Jackson County
Custer Ridge Road, Putnam County
Cacapon State Park Entrance Improvements,
Morgan County
Winchester Grade Road Intersection,
Morgan County
Corridor D, Wood County
Scott Miller Hill, Roane County
WV Route 10, Rita to Dabney, Logan County

SITE DEVELOPMENT/ARCHITECTURAL DESIGN

Jackson County Maintenance Headquarters Godbey Rd. Relocation, Wood County Bus Maintenance Garages, Berkeley/ Nicholas/Grant/Monongahela/Marion/ Lincoln/Harrison Counties Williamstown Welcome Center, Wood County Marion 911 Center

BRIDGERENOVATIONS

Market Street Bridge, Brooke County South Charleston-Dunbar I-64 Bridge, Kanawha County Hi-Carpenter Bridge, Pleasants County Clifton Mills Bridge, Preston County Lost Creek Bridge, Wayne County ENVIRONMENTAL ASSESSMENT U.S. Route 33, Roane County

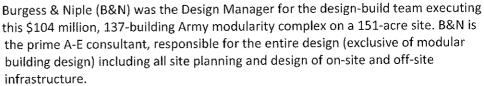
BRIDGE DESIGNS

Carbide Overpass Bridge, Kanawha County East Street Bridge, Wood County Holden Bridge, Logan County Junior Avenue Bridge, Ohio County Petersburg U.S. Route 220 Bridge, Grant County Freeport Bridge, Wirt County Moorefield U.S. Route 220 Bridge, Hardy County Moorefield Railroad Bridge, Hardy County Camden Street Bridge, Harrison County Whetstone Truss Bridge, Marion County Third Run Bridge, Marion County Pence Springs Bridge, Summers County South Fork Bridge, Ritchie County Reedy Bridge, Wirt County Shirley Bridge, Tyler County Stillwell Creek Bridge, Wood County Backer Bridge, Wirt County Porters Fall Bridge, Wetzel County Big Chicken House Bridge, Wetzel County Smith Creek Bridge, Pendleton County 1-64 Bridge, Cabell County Salt Creek Bridge, Mason County Tyler County School Bridge, Tyler County Raccoon Creek Bridge, Kanawha County Eckman Overhead Bridge, McDowell County Deep Run Bridge, Mineral County Paugh Town Bridge, Mineral County Erbacon Deck Truss Bridge, Webster County Paw Paw Overpass Bridge, Morgan County Fishers Chapel Bridge, Jackson County SL Morgan Bridge, Wetzel County



THIRD BRIGADE COMBAT TEAM COMPLEX

USACE SAVANNAH DISTRICT FORT BRAGG, NORTH CAROLINA



in Till be

The 3rd Brigade Complex serves 3,250 personnel. The complex includes 64 barracks, one brigade headquarters; six battalion headquarters; 30 company operations facilities; seven brigade and battalion storage buildings; one dining hall; 30 arms vaults and several additional facilities such as laundry and storage buildings.

B&N provided site and utilities master planning for this project. Master planning activities included road and utility layout; wetlands preservation; environmental permitting; and site work. Site design encompassed entrance and interior roadways, grading, storm drainage, fire protection lines, sanitary pump station and force main, landscaping, gas service routing, parking lots, and traffic control and signage.

Design tasks included floor plan development; exterior design theme; exterior elevations; entrance design; life safety plans and compliance with applicable installation standards. B&N also provided input and reviewed drawings prepared by the modular building manufacturer to ensure functionality, conformance with RFP and adherence to current code requirements, including AT/FP. B&N reviewed mechanical, plumbing, fire protection, and electrical design for the buildings, to ensure code compliance and life safety.

Construction phase services provided by the team included full-time, on-site representation by a registered professional engineer, RFI response, shop drawings, and review and change-order processing.



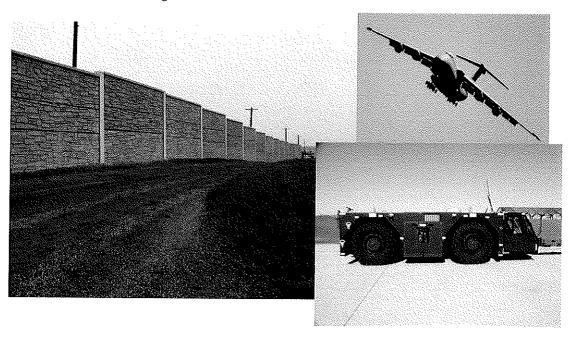
INFRASTRUCTURE UPGRADE

C-5 FINAL INFRASTRUCTURE UPGRADE 167TH AIRLIFT WING MARTINSBURG, WEST VIRGINIA

The West Virginia Air National Guard retained Burgess & Niple to design and complete construction documents for the final phase of infrastructure improvements at the Martinsburg Air Guard Base. The infrastructure upgrades were mandated due to change in the main aircraft stationed at this base. The C-130 aircraft was replaced with the much larger C-5 aircraft. New hangars, maintenance buildings, control tower, and fueling facilities were required in order to adequately service the new aircraft.

The final infrastructure upgrade project involved designing and constructing new lighting for the new maintenance hangar parking lot and main base access road, new ADA compliant concrete sidewalks, roadway repairs throughout the entire base, waterline replacement in a large section of the base, new asphalt paving and concrete curbing for the new maintenance hangar parking lot, identification signage for each building within the base, a large main entry sign, a concrete service road for the new tug that is used to maneuver the large C-5 aircraft, and sound barrier walls around the perimeter of the base to help reduce noise pollution for neighboring housing developments.

The new concrete tug path was designed using the Air Force Airfield Pavement design criteria.





JACKSON COUNTY MAINTENANCE HEADQUARTERS

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION RIPLEY, WEST VIRGINIA

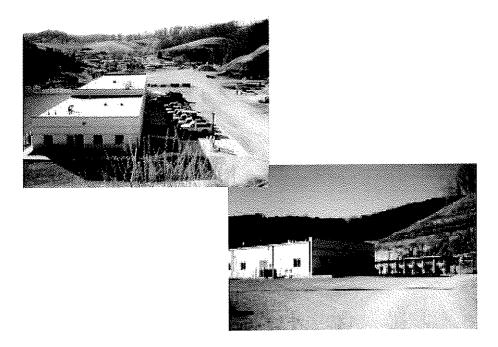
Burgess & Niple was contracted by the West Virginia Department of Transportation to prepare design plans and specifications for a new Jackson County Maintenance Headquarters Building. Design of the access road was included in the project.

Site and utility design included:

- 126,000 cubic yards of excavation
- 3,800 lineal feet water main
- 3,100 lineal feet sanitary sewer
- sanitary sewer lift station
- 108-inch culvert and access road

Building design plans and specifications included:

- 11,700 square foot office and shop facility
- chemical storage building
- spreader shed
- asphalt storage tank
- fuel island and storage tanks





TRI RIVER TRANSIT ADMINISTRATIVE OFFICE AND MAINTENANCE FACILITY

TRI RIVER TRANSIT AUTHORITY HAMLIN, WEST VIRGINIA

Burgess & Niple (B&N) provided full-service architectural and engineering design, for the new \$2.2 million Tri River Transit Administrative Offices and Maintenance Facility.

The new facility is separated into two distinct areas by a two-hour fire barrier wall. Encompassing 5,200 square feet, the administrative area includes private offices; conference, training, and classroom space; and additional office support functions. In the 9,400-square-foot vehicle storage and maintenance area, 16 bus vehicles can be accommodated with conditioned parking. A vehicle wash space, parts storage, breakroom with lockers, and chief mechanic's office also are included.

Visitors to the facility are greeted by the administrative area's pleasant and inviting human-scale façade, with the maintenance facility in the background. The administrative area is outfitted in light gauge metal framing and trusses with brick veneer, while the maintenance area is a pre-engineered metal building. The entire facility has a standing seam metal roof.

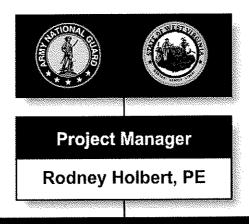
The facility is fully sprinkled and incorporates energy efficient design, a fire alarm/detection system, telephone/PA system, emergency lighting, data distribution wiring and a security system. Site amenities include landscaping, site signage, flag poles and a security fenced bus area. The vehicle storage/maintenance includes a compressed air system, overhead oil lube system, vehicle exhaust system, and radiant heat.

The project was completed in October 2010.





ORGANIZATIONAL CHART



Project Team

Civil/Roadway/Utilities

Timothy Utt, PE Stephan Chevalier Heiko DeWees

Geotechnical Vince Amato, PE Site Development/ Landscape Architecture Steve Staats, ASLA

ElectricalChris Robertson, PE



KEY PERSONNEL

Burgess & Niple has assembled its project team with professional qualifications specifically tailored to fulfill the requested scope of services and taking into consideration the important relationship this project has with two other projects B&N staff are currently designing. Experienced personnel are assigned to key positions with specific areas of responsibility. The following people will be key members of the Charleston Complex Access Road and Utilities Upgrades Project Team.

Mr. Rodney Holbert, PE, PS Project Manager

Mr. Holbert will be your primary contact during all phases of the project. As Project Manager, he will be ultimately responsible for the satisfactory completion of your project objectives. He will work closely with you beginning with the initial selection of our firm through the completion of design and construction activities. His design experience includes: roadway, bridge and utility infrastructure projects for the WVANG, USACE, U.S. Forest Service, U.S. Fish & Wildlife, and the WVDOT.

Mr. Timothy Utt, PE Civil Engineer

Mr. Utt will be responsible for site development and utilities for your project. His experience includes site development and utility design for various projects from the planning phase to construction administration. Specifically, Mr. Utt has relevant project experience with the design of access roads, water and waste water utility services, storm drainage, and gas and electric utility services.

Mr. Stephan Chevalier Designer

Mr. Chevalier will provide engineering support and utility coordination for all site work design. He will also be responsible for contract drawings. Mr. Chevalier has relevant project experience with surveying, design of access roads, grading, utility infrastructure, and anti-terrorism force protection requirements.

Mr. Vince Amato, PE Geotechnical

Mr. Amato conducts/supervises geotechnical investigations for all major projects in the B&N Military Program as well as for public works projects including roadway, access roads, buildings, bridges, tanks, and dams. He is an expert with both deep and shallow foundation design. He has military ID-IQ and D/B experience.



Mr. Steven Staats, ASLA Landscape Architect

Mr. Staats' 29 years of experience includes evaluating potential sites for development, preparation of master plans, graphic presentations, detailed plans, specifications, cost estimates, and construction services for military facilities, recreational parks, commercial developments, highway beautification, educational facilities, and downtown beautification. Mr. Staats is the primary Landscape Architect for all the B&N Military projects. His design experience includes: parking lot and roadway design, layout of site features including pedestrian circulation routes, locating proposed buildings, storm drainage design, and construction cost estimating. He is familiar with AT/FP requirements associated with site development per UFC 4-010-01.

Mr. Chris Robertson, PE Electrical Engineer

Mr. Robertson has been dedicated to military design work for the past 8 years. His experience includes design of lighting, power distribution, communications, and fire alarm systems for numerous military facilities and roadways. He has served as project engineer responsible for electrical design, short circuit and voltage drop calculations, specifications, electrical cost estimates, shop drawing review, and final field construction review. He has experience in ID-IQ, design-build and multiphase projects; DoD experience; military design experience; Air Force, Air & Army National Guard experience; and renovation, repair, and rehabilitation experience. Additionally, Mr. Robertson has relevant project experience with outside lighting and cost effective energy conserving features associated with the lighting.

Mr. Heiko DeWees, EIT Civil Engineer

Mr. DeWees is currently designing all of the site related components associated with the future Child Development Center that is to be constructed in the near future behind the West Virginia Army National Guard Annex Building Charleston, West Virginia. He will provide insight to site related design decisions and civil engineering coordination to the design team regarding access to the Child Development Center.



RODNEY D. HOLBERT, PE, PS (Continued)

Roadway Design. Project engineer for design of roadway improvement projects including storm sewer design, retaining walls, utility relocations, right-of-way plans and maintenance of traffic plans. Representative projects include:

- West Virginia Route 10, Rita to Dabney, West Virginia Department of Transportation, Logan County, West Virginia
- Star Plastics Industrial Access Road, Jackson County Development Authority, Millwood, West Virginia
- Scott Miller Hill Bypass on U.S. 33, West Virginia Department of Transportation, Roane County, West Virginia
- Petersburg Gap Curve Modification on U.S. 22, West Virginia Department of Transportation, Grant County, West Virginia
- Durgon Curve Modification on U.S. 220, West Virginia Department of Transportation, Hardy County, West Virginia
- Route Study, Ohio Valley College, Parkersburg, West Virginia
- Highland Scenic Highway Drainage and Slope Study, U.S. Forest Service, Pocahontas County, West Virginia
- Forest Road 112 Study and Design, U.S. Forest Service, Pendleton County, West Virginia



TIMOTHY L. UTT, PE CIVIL ENGINEER



EDUCATION

West Virginia Institute of Technology – BS, Civil Engineering 1992

REGISTRATION

Professional Engineer-Ohio West Virginia Mr. Utt joined Burgess & Niple in 1997 as a civil engineer. His experience includes site development, water distribution systems, and wastewater collection systems and treatment. His experience has encompassed preliminary and final design documents for site development projects, comprehensive water supply plans including source water supply studies, distribution modeling, treatment and storage facility assessment, preliminary cost reports, and funding applications. Design experience includes distribution and transmission water lines, booster pump facilities, storage tank facilities, wastewater package plants, collection systems and lift stations and municipal storm sewers. Other design experience includes grading, storm drainage, and erosion control plans for site development. Additionally, Mr. Utt has relevant project experience with outside lighting, access roads, anti-terrorism force protection requirements.

PROJECT EXPERIENCE

Site Development – Project engineer responsible for design of site improvements including roadway, building sites, utilities, pedestrian circulation and walkways, and permit coordination.

- The Woods Subdivision, Parkersburg, West Virginia
- Ft. Bragg Brigade Combat Team Complex, Ft. Bragg, North Carolina
- Godbey Colt Field and Soccer Fields Relocation, Parkersburg, West Virginia

Streetscape-Downtown Improvements – Project engineer responsible for utility design and coordination associated with downtown streetscape projects. Additional responsibilities included construction administration services. Representative projects include:

- George Street Improvements, St. Marys, West Virginia
- · Kinetic Park, Huntington, West Virginia
- Bureau of Public Debt Phase 2, Parkersburg, West Virginia

Wastewater Systems – Project engineer responsible for design of sanitary wastewater improvements for package treatment plants and collection systems, including pumping stations. Representative projects include:

- Charleston Sanitary Board, West Virginia
- Moundsville Sanitary Board, West Virginia
- · Parkersburg Utility Board, West Virginia



TIMOTHY L. UTT, PE (Continued)

Water Transmission and Distribution Systems – Project engineer responsible for design of water transmission and distribution systems, including booster pumping stations and ground and elevated storage tanks. Representative projects include:

- Parkersburg Utility Board, Parkersburg, West Virginia
- Valley Falls Public Service District, Fairmont, West Virginia
- · Veterans Administration Medical Center, Huntington, West Virginia

Water Distribution System Modeling – Project engineer responsible for development of hydraulic computer modeling of water distribution and transmission mains, storage system facilities, and booster pumping stations. Representative projects include:

- Meadows of Remington Subdivision, Fauquier County, Virginia
- Valley Falls Public Service District, Fairmont, West Virginia
- Parkersburg Utility Board, Parkersburg, West Virginia

Storm Sewer Systems – Project engineer responsible for design of storm sewer collection systems, storm sewer channels, and retention and detention ponds.

- Moundsville Sanitary Board, West Virginia
- Ft. Bragg Brigade Combat Team Complex, Ft. Bragg, North Carolina
- Federal Public Debt Building Phase 2, Parkersburg, West Virginia



STEPHAN C. CHEVALIER DESIGNER



EDUCATION

Washington Technical College — Drafting Certificate 1981 Mr. Chevalier joined Burgess & Niple in 1984 and is a designer responsible for technical support coordination. He has been involved in design, surveying, CADD and technical support coordination, and CADD drafting activities for numerous bridges, roadways, site developments, utilities, and utility rehabilitations. Mr. Chevalier also has been involved in designs related to site planning, flood insurance studies, stormwater control, environmental studies, buildings, and building renovations. He has performed inspection-observing activities of subsurface investigation and storm sewer television inspection. Mr. Chevalier is a trained operator of AutoCAD and Microstation CADD software, along with Land Development, Civil3D, and Geopak design software packages. He also is responsible for computer and network maintenance at the Parkersburg, West Virginia office. Mr. Chevalier has relevant project experience with the design of major roadways, access roads and physical security measures.

PROJECT EXPERIENCE

Site Development and Stormwater Collection – Provided technical support including site surveying, roadway layout and construction detailing, and grading for numerous site development projects. Representative projects include:

- Charleston Force Protection Relocate Coonskin Road Entry Gate, 130th Airlift Wing, Charleston, West Virginia
- Hawk Missile Training Facility Site Development, McConnelsville, Ohio
- US Forest Service, Lost Lodge Ranger Station, Cloudcroft, New Mexico
- US Forest Service, Verde Ranger Station, Camp Verde, Arizona
- Corning Glass Building Site Development, Parkersburg, West Virginia
- City of New Martinsville City Building Site Development, New Martinsville, WV
- Monroe County Marina and Boat Access to the Ohio River, Monroe County, Ohio
- Belpre Boat Ramp Facilities to the Ohio River, Belpre, Ohio
- Curry Transfer Truck Lot Paving and Drainage, Parkersburg, West Virginia
- Mountain Line Transit Authority, Bus Terminal and Maintenance Facility,
 Morgantown, West Virginia
- Central West Virginia Transit Authority, Bus Terminal and Maintenance Facility, Clarksburg, West Virginia
- Building 140 Renovation, 167th Airlift Wing, Martinsburg, West Virginia.
- U.S. Department of Agriculture, North Fork Hughes River Recreation Facilities, Ritchie County, West Virginia
- City of Kingman Improvement District, Kingman, Arizona



STEPHAN C. CHEVALIER (Continued)

Surveying – Provided or coordinated surveying services including research, monument recovery and placement, data collection, field data reduction, and mapping. Representative projects include:

- WVDOT Jackson County Maintenance Facility, Jackson County, West Virginia
- East Street Bridge, Parkersburg, West Virginia
- Petersburg Bridge, Petersburg, West Virginia
- Moorefield Bridge, Moorefield, West Virginia
- Durgon Curve Realignment, Hardy County, West Virginia
- Harrisville Turn Lanes, Harrisville, West Virginia
- Carbide Overpass Bridge, South Charleston, West Virginia
- Raccoon Creek Bridge, Kanawha County, West Virginia
- Jackson County Industrial Park Railroad Connection, Jackson County, West Virginia
- Moorefield Railroad Bridge Rehabilitation, Hardy County, West Virginia
- Wood County Airport Runway and Taxiway Improvements, Wood County, West Virginia
- Red Creek Road Relocation Study, Monongahela National Forest, Tucker County, West Virginia

Transportation – Provided and coordinated technical support for numerous roadway, bridge, railroad, and airport facilities projects. Duties include surveying horizontal and vertical design of roadway components, and subsurface investigation observation. He also is responsible for right-of-way layout, research, and preparation of legal descriptions. Representative projects include:

- Durgon Curve Realignment, Hardy County, West Virginia
- Harrisville Turn Lanes, Harrisville, West Virginia
- Carbide Overpass Bridge, South Charleston, West Virginia
- Star Plastics Industrial Access Road, Jackson County, West Virginia
- Wood County Airport Runway and Taxiway Improvements, Wood County, West Virginia
- West Virginia Corridor D, Sections 3 and 6, Wood County, West Virginia
- Scott Miller Hill Bypass, Roane County, West Virginia
- Emerson Avenue Realignment at West Virginia Avenue, Parkersburg, West Virginia
- West Virginia Route 10, Logan County, West Virginia



VINCENT E. AMATO, PE GEOTECHNICAL



EDUCATION

The Ohio State University – MS, Civil Engineering (Geotechnical) 1986

The Ohio State University – BS, Civil Engineering (Structures) 1984

REGISTRATION

Professional Engineer – Florida Indiana Kentucky Missouri Ohio West Virginia Mr. Amato conducts/supervises geotechnical investigations and foundation design for all major projects in the B&N Military Program as well as for public works projects including buildings, bridges, tanks, and dams. He is an expert with both deep and shallow foundation design. He has completed 10-story office buildings; 1,200-foot bridges; 20-mile highway upgrade projects; 108" power lines; and dams, reservoirs, and levees. He has military ID-IQ and Design-Build experience. Facility type experience includes: vehicle maintenance; training center; company operations; tactical facilities; maneuver facilities; Brigade HQ; Battalion HQ; dining; arms vaults; storage; laundry; schools; warehouse; simulation center; chapels, fitness centers; admin/office buildings; child development centers; medical; barracks; family housing; libraries; conference centers; deployable facilities; access control/gate; security facilities; master planning; specialized & mission specific facilities; tactical facilities; POL storage, and airfield vehicle support.

PROJECT EXPERIENCE

WVARNG Readiness Center/Mid Ohio Valley Airport IDIQ and WVANG IDIQ, Williamsburg, West Virginia. Geotechnical engineer for the new \$9.7M, Readiness Center located at the existing West Virginia National Guard Army Aviation Support Facility and helicopter tarmac at the Wood County, West Virginia Airport. The facility consisted of two buildings totaling 47,531 SF. One a building is a 2-story training center and the other a one-story, high-bay facility. The training center houses office-administrative areas, training rooms, a learning center, storage areas, and drill hall. Geotechnical engineer over a 10-year period (mid-Ohio) for a variety of airfield improvements on a co-located civilian airfield and ANG facility. Numerous roadway, runway and taxiway projects; slobe stabilization; out-buildings; etc. Geotechnical engineering under 5 year IDIQ for various projects including C-5 infrastructure upgrades for the 167AW including roads, parking, tug path, and tarmac improvements. Construction was completed in 2005.

United States Coast Guard, Rebuild Station Gulfport, Gulfport, Mississippi. Geotechnical engineer responsible for the geotechnical engineering and site analysis on the new, \$16.4M, three-story station was replaced after being destroyed by Hurricane Katrina. The facility houses Search and Rescue and Homeland Defense Missions. It includes a 26,104 SF station building, a 3,280 SF boat storage facility, architectural security fencing, a 100' telecommunications tower, an elevated electrical transformer platform, and parking and paved areas on a 2.37-acre site.



VINCENT E. AMATO, PE (Continued)

Fire/Crash Rescue Station, Wright-Patterson Air Force Base, Ohio. Geotechnical engineering & foundation design for new design-build \$8.7M, 38,000-SF facility which included provisions for 14 apparatus serving both the flight line and land structures which was upgraded to allow WPAFB to operate C-5 aircraft. This project received a 2006 Honor Award for Conceptual Design and a 2007 Honor Award for Facility Design from the AFMC. Construction was completed in 2006.

Training Support Brigade Complex Phase 2 and Unit Maintenance Activity, Ft. Benning, Georgia. Geotechnical Engineer responsible for geotechnical investigation/site analysis for the \$75M Vehicle Maintenance Instruction Facility (137, 887 SF) and two (78,378 SF/61,639 SF) Tactical Equipment Maintenance Facilities complex as a single construction site with two distinct projects and three functions.

P235 Navy Administration Facility, Naval Station Norfolk, Norfolk, Virginia.

Geotechnical Engineer responsible for geotechnical engineering services, including field and laboratory testing, and deep foundation analysis for a new multi-story, design-build 84,240 SF, \$21.5-million NWDC administrative facility. This facility will simulate and analyze military operations and distribute results to other naval branches. Construction was completed in 2008.

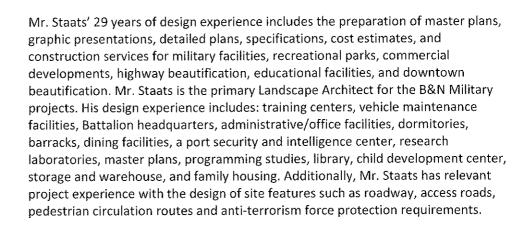
ADDITIONAL MILITARY EXPERIENCE

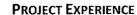
Mr. Amato's additional military design experience is shown below.

- Ft. Riley Company Operation Facility
- Ft. Benning Training Support Brigade Complex Phase 2 and Unit Maintenance Activity
- Ft. Campbell Brigade Combat Team Barracks Complex
- Ft. Benning Infrastructure UIS
- Ft. Bragg Brigade Combat Team Complex
- Ft. Bragg Unaccompanied Enlisted Personnel Housing
- Ft. Stewart 5 Infantry Brigade Combat Team Barracks Complex
- Ft. Bragg Whole Barracks and Company Operation Facility Renewal
- Fire/Crash Rescue Station, Wright Patterson Air Force Base
- Enlisted Airman's Dormitory Wright Patterson Air Force Base
- P235 Navy Administration Facility
- USCG Rebuild Station Gulfport



STEVEN D. STAATS, RLA, ASLA LANDSCAPE ARCHITECT





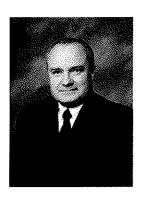
Charleston Force Protection – Relocate Coonskin Road Entry Gate, 130th Airlift Wing, Charleston, West Virginia. Assisted with the layout of new roadway, guard house facility siting, utility connections and construction cost estimates associated with the relocation of the main entry into the 130th Airlift Wing Base in Charleston, West Virginia.

WVARNG Readiness and Training Center, Williamstown, West Virginia. Landscape Architect responsible for site design/development and construction.

Landscape Architect responsible for site design/development and construction observation for the \$9.5M, 2 story, 47,531 SF Army National Guard Training Center. This is a joint use military/community center. The training center, a two-story structure houses both public uses and military uses on the first floor and military office-administration areas on the second floor. The project features two segregated maintenance areas, one for maintaining military vehicles dispatched for missions and one for maintaining airfield support ground equipment. The facility also has training rooms, a distance learning center, and drill hall. AT/FP, security, and access control were also elements of the design.

ID-IQ for A-E Services, WVANG (130th AW & 167th AW), West Virginia.

Landscape Architect responsible for assisting in the C-5 Final Infrastructure Upgrade design of roadway upgrades, new aircraft tug path, building signage, roadway lighting, and parking lot improvements for aircraft hangars. Mr. Staats was also responsible for administrating construction observation services. Design services complete in 2008.



EDUCATION

The Ohio State University – BS, Landscape Architecture 1981

REGISTRATION

Registered Landscape Architect — Ohio South Dakota Virginia West Virginia

CLARB — Council of Landscape Architectural Registration Board



STEVEN D. STAATS, RLA, ASLA (Continued)

3rd Brigade, Brigade Combat Team Complex, Ft. Bragg, North Carolina.

Landscape Architect responsible for providing landscape architecture planning and design, and also site planning support for the \$114M, 152 building, 100-acre Army complex which included site master plan. Site complicated by extensive wetlands. Project consisted of 30 company operations facilities, 1 brigade headquarters, 6 battalion headquarters, 64 barracks (1512 soldiers), 7 brigade and battalion storage buildings, 1 dining half, 30 arms vaults and other facilities, 6 COMSEC vaults, 1 environmental communications hut, 4 bridges, and 7 storage & warehousing buildings.

Building 140 Renovation, 167th Airlift Wing, Martinsburg, West Virginia.

Responsible for the design of a parking lot, access road, sidewalk, storm drainage and fencing associated with the renovation of an existing fire station at the 167th Airlift Wing Base.

ADDITIONAL MILITARY EXPERIENCE

Mr. Staats' additional military design experience is shown below.

- Ft. Benning Training Support Brigade Complex Phase 2 and Unit Maintenance Activity
- Ft. Lewis General Instruction Building (GIB), SOF Aviation Battalion Education Complex
- Ft. Lewis Brigade Combat Team Complex, Increment 2 Dining Facility
- Ft. Jackson Consolidated Drill Sergeant School and Dining Facility Complex
- Ft. Bragg Whole Barracks and Company Operation Facility Renewal
- P235 Navy Administration Facility
- Ft. Bragg 192nd EOD Company Operation Facility
- USCG Rebuild Station Gulfport
- Ft. Carson Dining Facility





EDUCATION

University of Cincinnati – BS, Electrical Engineering 1999

REGISTRATION

Professional Engineer
–Florida
Indiana
Kentucky
Ohio
South Dakota
Virginia
West Virginia

CHRIS ROBERTSON, PE ELECTRICAL ENGINEER

Mr. Robertson has been dedicated to military design work for the past 8 years. His experience includes design of lighting, power distribution, communications, and fire alarm systems for military facilities, training centers, vehicle maintenance facilities, headquarters, lodging facilities, dining facilities, municipal facilities, roadways, libraries, office/administration buildings, utility plants, correction facilities, parking garages, daycare centers and retail stores. He has served as project engineer responsible for electrical design, including design narratives, short circuit and voltage drop calculations, specifications, electrical cost estimates, shop drawing review, and final field construction review. He has experience in ID-IQ, design-build and multiphase projects; DoD experience; military design experience; Air Force, Air and Army National Guard experience; and renovation, repair, and rehabilitation experience.

PROJECT EXPERIENCE

Charleston Force Protection – Relocate Coonskin Road Entry Gate, 130th Airlift Wing, Charleston, West Virginia. Electrical Engineer responsible for the design of roadway lights and power service for a new Guard House Facility.

WVARNG Readiness & Training Center, Williamstown, West Virginia. Electrical engineer responsible for QA/QC review of the electrical systems design, and also provided services during construction for the new \$9.5M, 47531 SF facility. The facility had Multiple Unit Headquarters, Company Operations (offices, unit lockers, unit storage, vehicle deployment), Vehicle Maintenance, full service kitchen, physical fitness room dining, and physical fitness. Construction was completed in 2005.

Training Support Brigade Complex Phase 2 and Unit Maintenance Activity Ft. Benning, Georgia. Electrical Engineer Designer of Record responsible for lighting and power for the \$75M Vehicle Maintenance Instruction Facility (137,887 SF) and two (78,378 SF/61,639 SF) Tactical Equipment Maintenance Facilities complex as a single construction site with two distinct projects and three functions. Electrical quality assurance engineer in all design phases. Construction anticipated being completed in 2010.



CHRISTOPHER ROBERTSON, PE (Continued)

Fire/Crash Rescue Station, Wright Patterson Air Force Base, Ohio. Electrical Engineer responsible for lighting, power, communications, security, fire alarm and emergency power for a 38,000-SF, \$8.7M fire/crash rescue station. The FCRS included offices, living quarters, kitchen, apparatus bays, meeting rooms and the accompanying mechanical and electrical spaces. This project was D/B for a new, seven-bay/14-stall facility which is the main fire station for Areas A and C. *This project received a 2006 Honor Award for Conceptual Design and a 2007 Honor Award for Facility Design from AFMC.* Construction completed in 2006.

ID-IQ for A-E Services, WVANG (130th AW & 167th AW), West Virginia. Electrical Engineer responsible for the design of roadway and parking lot lighting for the C-5 Infrastructure Upgrade, 167th AW. Scope included addition of a new underground medium voltage line, tapped off an existing tap box, to a new 15kv primary transformer that served a disconnect for the new lighting system. From the disconnect, power was provided through an automatic lighting contactor to new pole mounted street and parking area lights. The system was connected to the base wide automation system for control and remote metering. Design services included point-by-point lighting calculations and voltage drop calculations. Contract completed in 2008.

ADDITIONAL MILITARY EXPERIENCE

Mr. Robertson's additional military design experience is shown below.

- Westover Air Reserve Base Operations Building
- USCG Rebuild Station Gulfport
- Full Facility Restoration, J Diamond USACR
- Ft. Lewis General Instruction Building (GIB), SOF Aviation Battalion Education Complex
- Wright Patterson Air Force Base Fire/Crash Rescue Station
- Ft. Lewis Brigade Combat Team Complex, Increment 2-Dining Facility (DFAC)
- Bayview Towers Temporary Lodging Facility, Langley Air Force Base
- · Ft. Benning Infrastructure UIS
- Ft. Jackson Consolidated Drill Sergeant School and Dining Facility Complex
- Camp LeJeune Reserve Training Center





EDUCATION

Old Dominion University – BS, Civil and Environmental Engineering 1994

REGISTRATION

Engineer-in-Training – Virginia 1994

HEIKO G. DEWEES, EIT CIVIL ENGINEER

Mr. DeWees is a Project Engineer in the Virginia Beach office of Burgess & Niple. He has nearly 15 years of experience in civil and environmental engineering for multidisciplinary public- and private-sector projects. His expertise includes stormwater management, planning and site development, utility design and relocation, and engineering report preparation.

PROJECT EXPERIENCE

Utility Infrastructure – Representative projects include:

- Annual A/E Services Contract, City of Franklin, Virginia Served as project engineer for this 5-year, task-ordered contract. Provided layout and design of storm drainage, and overlay of pavement design.
- Chesapeake Beach/Lake Chubb Stormwater Force Main and Pump Station,
 Virginia Beach, Virginia As project engineer, laid out and profiled
 approximately 1,200 linear feet of 10-inch ductile-iron stormwater force main.
 Calculated and profiled approximately 200 feet of gravity storm pipe. Assisted
 in designing the pump station and designed the traffic control plans. Calculated
 a cost estimate for bidding purposes.
- Larkspur Drainage Improvements, Virginia Beach, Virginia As project engineer, assisted in hydrologic and hydraulic modeling for the storm drainage system.
 Also performed drainage study of the 50-year-old neighborhood for improvements to the drainage system.

Federal – Representative projects include:

- Child Development Center, Charleston, West Virginia Serving as primary Civil Engineer for site design, layout, grading and drainage, utility services, and erosion and sediment control for a child facility.
- Child Development Centers, Various Locations, Nationwide Serving as senior civil engineer for site layout, grading, and utilities for development of 50 Child Development Centers (CDCs) on various military bases across the United States.
- Child Development Center, Tobyhanna Army Depot, Pennsylvania Served as
 primary civil engineer for site design, layout, grading and drainage, utilities, and
 erosion and sediment control for this 160-child facility on 4 acres.
- Child Development Center, Fort Riley, Kansas Primary civil engineer for this 100-child facility on 2 acres. The civil design included layout, utilities, grading and drainage, and erosion and sediment control.



HEIKO G. DEWEES, EIT (Continued)

- Child Development Center, Fort Bragg, North Carolina As civil engineer, provided design for this 124-child facility on 3 acres. Design included layout, utilities, grading and drainage, and the erosion and sediment control plans. The process included submittals to North Carolina Department of Environmental and Natural Resources (NCDENR).
- Child Development Center, Fort Bragg, North Carolina As civil engineer, provided design for this 124-child facility on 3 acres. Design included layout, utilities, grading and drainage, and the erosion and sediment control plans. The process included submittals to North Carolina Department of Environmental and Natural Resources (NCDENR).
- Child Development Center, Fort Sill, Oklahoma Primary civil engineer for a 124-child facility on 4 acres. Civil design tasks included layout, utilities, grading and drainage, and erosion and sediment control.

Land Development – Representative projects include:

- Lowe's, Easton, Maryland Analyzed and designed a complicated storm drainage system, which included bioretention ponds, underground storage, and weirs to control outflow. Graded parking lot, entrances, driveways, turn lanes, and ditches. A crash attenuator and mound sewer system with pump station also were designed for this project. Coordinated new and existing utilities.
- Lowe's, Laurel, Maryland Analyzed and designed storm drainage system for a 13-acre, 832-space parking lot. Provided design coordination for erosion and sediment control, utilities, grading, and demolition. The topography required grading to be integrated with retaining walls.
- Lowe's, Norfolk, Virginia Project engineer responsible for storm drainage and utilities location for this shopping center site. Also designed adjacent roadway (Meridian Lane), including signs, pavement striping, grading, and roadway geometry.
- Wawa at Gainesville, Prince William County, Virginia Project engineer for this4.5-acre site. Responsibilities included calculation of storm drainage, utility plan and profiles, and road profiles. Storm drainage on this site encompassed the integration of ditches, pipes, and a stormceptor water quality device in the design.
- Heathcote Boulevard, Phase II, Prince William County, Virginia Project
 engineer for the design of a four-lane, 3,350-linear-foot divided road that
 included curb and gutter, superelevation, pavement striping, and signs. Storm
 drainage calculations were provided to redirect runoff to ditches and
 stormwater management ponds.



DESIGN PHASE

TASK I - PROGRAMMING

Programming describes the requirements of the design in detail. The result is a written report supplemented with data, analysis, and diagrams. This is an important opportunity for the owner to clearly communicate their expectations and needs with the design professionals. These services are consistent with Type A1 services typically required for National Guard contracts. The following items are included in the Programming Phase.

- Attend a kick-off meeting to gain an understanding of the program elements, including budgets, schedules, access roadway requirements, future building concepts, and other user requirements.
- Site Design Process:
 - Evaluate existing topography and associated grading of site.

TASK II - SCHEMATIC DESIGN

Schematic Design is an interactive design process between the design team and owner through which the optimum solution is created. The result is a schematic site plan that illustrates the layout of the proposed access road and the relationship to surrounding buildings and land uses. The design is further described in outline specifications that describe construction systems. The construction cost is analyzed in further detail and necessary adjustments are made. These services are consistent with Type A2 services typically required for National Guard contracts. The following items are included in the Schematic Design Phase.

- Develop up to three alternative site layout design options.
- Present preliminary design options to owner. Facilitate a review meeting with owner's designated representative and user group representatives to discuss and critique the various design options. Document owner's feedback and comments.
- ❖ Incorporate feedback gathered in the review meeting into the preferred option.
- Develop a written narrative of the proposed roadway layout and construction materials.
- Present preferred option and design narrative to owner in a final schematic design review meeting.
- Incorporate review comments into the project.
- Obtain owner's approval/sign-off to proceed with next phase.



TASK III - DESIGN DEVELOPMENT

During this design phase, specific details of the construction are articulated, and all decisions for which the owner has put are finalized. These services are consistent with Type B services typically required for National Guard contracts. The following items are included in the Design Development Phase.

- Finalize access road layout.
- Determine Permits required for construction.
- Refine material selections.
- Develop outline of specification sections.
- Analyze existing utility system capacities.
- Perform utility systems design calculations (i.e., storm drainage, water, sanitary sewer, gas, lighting, and power load calculations, etc.).
- Develop a preliminary estimate of construction costs based on Means Cost Guide.
- Conduct in-house quality assurance/quality control reviews.
- Present Design Development drawings, outline specifications, project narrative, and preliminary estimate of construction cost to Owner for review.
- Conduct Design Development review meeting and document comments.
- Incorporate review comments into the project.
- ❖ Obtain Owner approval/sign-off to proceed with next phase.

TASK IV - CONSTRUCTION DOCUMENTS

This is the final design phase during which the design team describes the conditions of the construction contract in detail. Detailed drawings, specifications, and, general conditions of the contract are finalized and a final detailed estimate of cost is prepared. These services are consistent with Type B services typically required for National Guard contracts. The following items are included in the Construction Documents phase.

- Perform quality assurance/quality control check.
- Submit finalized documents and updated preliminary estimate of construction cost to Owner for review.
- Meet with Owner for final review.
- Complete documents.
- Submit documents for plan review approval and permit(s).



QUALITY ASSURANCE

B&N's continued success and excellent reputation can be directly attributed to the efforts of our employees. These persons are hired after a thorough recruiting process and are supported by a quality workplace, in-house training, tuition assistance programs, and participation in professional associations, conferences, and workshops. Having a sound, stable work environment helps our staff provide consistent quality to our clients. Staff stability is exemplified by the fact that more than 95 employees each have over 20 years of experience with B&N.

To produce quality work for our clients, B&N has developed a comprehensive Quality Improvement Program (QIP). QIP, B&N's version of Total Quality Management (TQM), is guided by our QIP Steering Committee. The QIP Steering Committee consists of seven owners of the firm who use traditional TQM techniques and other measures to analyze and improve work processes. QIP teams are selected by the Steering Committee to analyze specific areas of operation and make quality improvement recommendations.

We define quality as absolutely satisfying the needs and expectations of our clients. We view quality management as a philosophy, a set of tools, and a process whose output yields customer satisfaction and continuous improvement. B&N's focus on quality requires that our entire project team be committed to the process of quality management. The result is accurate, efficient, and cost-effective engineering and architectural services delivered on schedule.



PROJECT QUALITY CONTROL

B&N is committed as a firm to developing creative, yet practical solutions to meet our clients' needs. To this end, we strive to maintain an on-going quality management program, which emphasizes clear communications between us and our client, as well as coordination among our design team members.

Our team members pay attention to details and are constantly mindful of factors that result in quality work including:

- WVARNG Goals and Objectives
- ❖ WVARNG Standards
- Scope of Work and Scheduling Reviews
- Data Collection Methods and Procedures
- Field Investigation/Documentation Procedures
- Construction Procedures/Requirements
- On-going Review of Technical Work
- Plan Preparation and Production Methods
- Coordination of Multi-disciplinary Efforts
- Reviews of Codes, Regulations, and Design Criteria
- Report/Specifications Format Standardization
- Constructability
- Review of Alternatives
- Project/Task Budget Status and Update

RFQ No. DEFK11024

STATE OF WEST VIRGINIA Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: 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 the debt owed is an amount greater than one thousand dollars in the aggregate.

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.

"Debtor" means any individual, corporation, partnership, association, firmited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "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.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this 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.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name:	Burgess & Niple, Inc.			
Authorized Signature	: Rodney D	Holbert	Date:	anuary 18, 2011
State of West Vir	ginia			
County of Wood	, to-wit:			
Taken, subscribed, a	nd swom to before me this 18	day of	nang	20 <u>_/_</u> .
My Commission expir	es May 4, 201	5 (20 .	U	
AFFIX SEAL HERE	V	NOTARY PUBLIC	: Jana	K M- Claus

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
JANET K. McCLAIN
1905 Matholt Street
Parkersburg West Virginia 26101
My Commission Expires May 4, 2015

Purchasing Affidavil (Revised 12/15/09)



DOCZM<

RFQ COPY

TYPE NAME/ADDRESS HERE

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

Request for Quotation

RFO NUMBER DEFK11024 PAGE 1

ADDRESS CORRESPONDENCE TO ATTIEN HON OF

TARA LYLE 304-558-2544

DIV ENGINEERING & FACILITIES ARMORY BOARD SECTION

1707 COONSKIN DRIVE CHARLESTON, WV

25311-1099 304-341-6368

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

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Request	for
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ADDRESS CORRESPONDENCES O AMENJION OF TARA LYLE <u> 104-558-2544</u>

DIV ENGINEERING & FACILITIES ARMORY BOARD SECTION

1707 COONSKIN DRIVE CHARLESTON, WV 25311-1099

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