BURGESS & NIPLE
Engineers ■ Architects ■ Planners

Expression of Interest

Marine Landing Facilities at Blennerhassett Island State Park

West Virginia
Division of Natural Resources

October 18, 2011

BURGESS & NIPLE
Engineers ■ Architects ■ Planners

Mr. Frank Whittaker, Senior Buyer
State of West Virginia
Department of Administration
Purchasing Division
Building 15
2019 Washington Street, East
Charleston, WV 25305-0130

Re: RFQ No. DNR212041
Marine Landing Facilities at
Blennerhassett Island State Park

October 18, 2011

Dear Mr. Whittaker:

Burgess & Niple, Inc. (B&N) is pleased to submit this Expression of Interest (EOI) for the Professional Engineering services associated with implementation of improvements to the marine facilities at Blennerhassett Island State Park as summarized in RFQ No. DNR212041. As you will note from the enclosed EOI, B&N has the experience, resources, and approach needed to assist with the design, permitting, and services during construction for the proposed improvements to the marine landing facilities. Our team offers the following advantages:

Experience – B&N has completed multiple boating facilities, including two that were completed on the Ohio River within the past 5 years at Racine and Chilo, Ohio. The B&N team selected for this project has been responsible for completion of many of the marine facilities that are referenced in our EOI and therefore have the experience in completing the necessary evaluations, design, cost estimating, permitting, and services during construction of marine facilities.

Resources –B&N has a comprehensive staff of engineers, architects, surveyors, environmental scientists, geologists, designers, CAD Operators, and other professionals to assist the project team as necessary to address any additional needs that may be required for successful completion of this project.

Approach - From our office location in Parkersburg, West Virginia, we are frequent visitors to Blennerhassett Island State Park and have an understanding of the importance of the unique nature and history of this site. In addition to our familiarity with the site, our understanding of the variety of technical and permitting requirements associated with marine facilities allows us to take a comprehensive approach to ensure a successful project that meets the needs of the West Virginia Division of Natural Resources (WVDNR), the visiting public, and the regulatory agencies.

We appreciate the opportunity to submit this EOI to you and look forward to working with WVDNR on this project.

Sincerely,

Brian Tornes

Brian Tornes, PE

4424 Emerson Ave. | Parkersburg, WV 26104 | 304.485.8541

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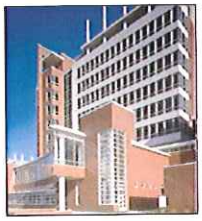
FIRM AND INDIVIDUAL QUALIFICATIONS

FIRM BACKGROUND



Architecture

Utility Infrastructure

Environment

Transportation

Land Development

For nearly 100 years, Burgess & Niple (B&N) has provided professional engineering and design services to more than 5,000 public and private sector clients in the U.S. and abroad. Our continued success is driven by a passion for advancing the built environment with exceptional concern for quality of life, safety, and environmental sustainability.

The firm currently has 21 Owners who participate actively in day-to day operations. Our staff of more than 435 professionals includes engineers, environmental scientists, geologists, surveyors, construction managers, architects, landscape architects, CAD designers, graphic artists, and other supporting disciplines who provide planning, design, and construction management services in our core service areas of environment, utility infrastructure, transportation, architecture, and land development. This single source responsibility provides our clients with consistency and seamless project delivery.

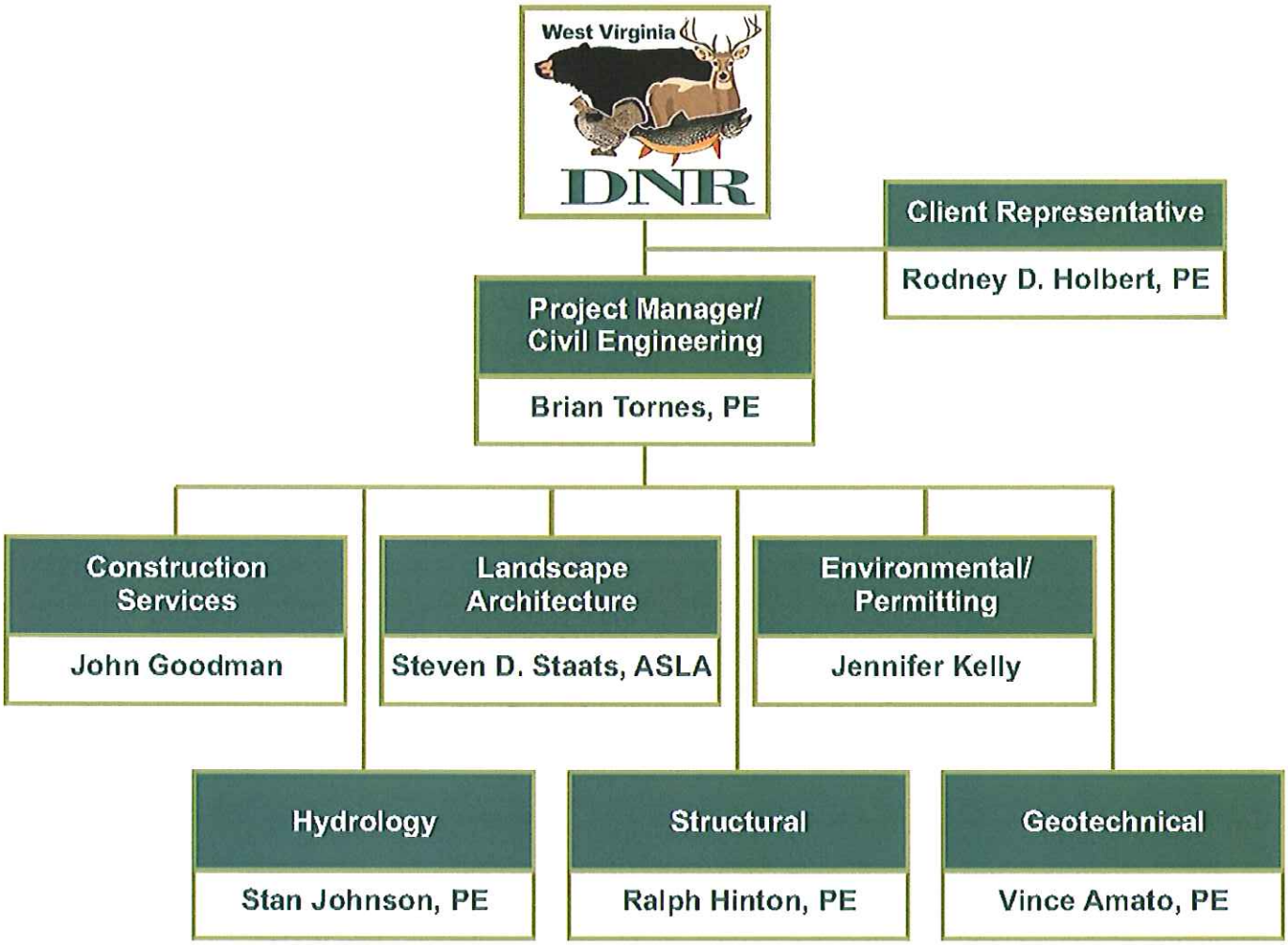
In 2011, *ENR* ranked B&N 136th of 500 firms nationwide based on 2010 total revenues of $80 million. Our solid standing on this list is a reflection of the hard work and commitment to client satisfaction that our employees continually demonstrate. Perhaps the greatest testament to B&N's capabilities is reflected in our repeat business. More than 80 percent of our business comes from former clients who want to work with us again. Our business ethics, high standards for quality, and concern for the communities we support are a vital part of who we are and what we offer to you.

PROJECT TEAM

Our proposed Project Team is led by seasoned professionals who have been assembled specifically to meet the requirements of this project. Most Team members offer 20 + years of experience in their respective areas of expertise. The organization chart on the following page illustrates the roles each Team member will assume for this project. Summaries of the qualifications of each Team member follow the organization chart. Full resumes are provided in **Appendix A.**

B&N practices a collaborative approach to design on marine and other projects. Team members routinely work together with each other, clients, and the public to develop sound, interdisciplinary solutions. ***The West Virginia Division of Natural Resources can expect a "seamless" approach to design and project delivery that capitalizes on the very best knowledge and skills of each individual for the good of the project as a whole.***

ORGANIZATION CHART



Brian W. Tornes, PE
Project Management

Mr. Tornes will manage all work activities and be your primary point of contact for the project. His 20 years of experience includes stream and wetland restoration design, dam removals, fish passage structures, boat ramps and docks, parks, parking facilities, low impact stormwater BMPs, and domestic water and wastewater treatment systems. His 15 years of project management experience encompasses more than 200 engineering, environmental, and compliance assistance projects with design fees ranging up to $200,000. Mr. Tornes is a registered Professional Engineer in Ohio, Indiana, and West Virginia.

Rodney D. Holbert, PE
Client Representative

Mr. Holbert will assist Mr. Tornes with any additional staffing needs that would develop during the course of the project. He will make periodic contact with the client and/or client's representative to confirm project progress and satisfaction. His experience includes serving as a project manager on projects for the U.S. Army Corps of Engineers, U.S. Forest Service, U.S. Fish & Wildlife, West Virginia National Guard and the West Virginia Department of Transportation.

Steven D. Staats, ASLA
Landscape Architecture

Mr. Staats will assist Mr. Tornes with specific site design issues, specifically concerning ADA compliance. His 30 years of site development experience includes the layout of several boat launching facilities and other aquatic recreational facilities. Mr. Staats is Burgess & Niple's senior landscape architect and is a registered landscape architect in West Virginia, Ohio, Virginia and South Dakota.

R. Michael Hinton, PE
Structural Engineering

Mr. Hinton will provide structural design for the marine launching facilities. He has experience working on a wide variety of structural projects; his diverse engineering background includes providing structural design for new buildings, processing equipment for industrial plants, commercial developments, transportation/bridges, and recreational projects. Mr. Hinton is a registered engineer in West Virginia and Ohio.

Jennifer L. Kelly, PWS
Environmental Permitting and Assessments

Ms. Kelly will be responsible for leading Section 404/401 permitting and associated assessments for the project. Her 14 + years of experience includes preparation of Section 404 and 401 permit applications, mitigation plans, wetland delineations, aquatic surveys, ecological investigations, NEPA and endangered species coordination, Phase I Environmental Site Assessments, and industrial spill response plans. Ms. Kelly is experienced in application of QHEI and HHEI protocols for evaluating aquatic habitats, as well as Ohio EPA biological assessment protocols for fish, macroinvertebrates, and amphibians. She is a certified Professional Wetland Scientist.

Vincent E. Amato, PE
Geotechnical Engineering

Mr. Amato will be responsible for leading geotechnical engineering related activities for the project. He is Chief Geotechnical Engineer for the firm and is principally responsible for coordinating geotechnical engineering investigations, analyses, and design. His experience includes bank and shoreline stabilization projects; dam removals; slope and embankment stability evaluations and repairs; dam safety inspections; and design of earth retaining systems, cofferdams and foundations for buildings, bridges, and other structures. Mr. Amato is a registered Professional Engineer in Ohio, Kentucky, West Virginia, and Florida, and is a Federal Energy Regulatory Commission (FERC) approved "Independent Consultant" for dam inspection.

John C. Goodman
Construction Services

Mr. Goodman will lead services during construction activities for the project. He is responsible for managing recreational, municipal, architectural, and infrastructure related construction contracts for B&N's Allegheny region. He has managed and reported on cost and schedule controls; performed constructability reviews; and provided contract administration including schedule monitoring and coordination on multi-prime projects, change order negotiations, payment certification, processing of requests for information, and project closeout. His relevant experience includes construction administration/inspection of the Belpre Boat Ramp and the Racine boat Ramp.

SUBCONSULTANTS

B&N has the in-house resources to complete this project using its current staff. Therefore, we don't anticipate the need for a subconsultant.

QUALIFICATIONS OF THE FIRM

B&N's Design Team is a multidisciplinary group of 8 professional geologists, engineers, hydrologists, wetland scientists, and specialists in other relevant fields. ***They bring a strong knowledge of applicable regulations and a history of cost-effective, long-term solutions on marine related projects to the Marine Landing Facilities at Blennerhassett Island State Park.*** We also have professional surveyors, registered architects, certified planners, geotechnical and structural engineers, construction managers, and many other specialized staff to assist as needed.

Over the last decade, B&N has performed recreational related projects including numerous boat docking/launching projects. Relevant marine projects in the area include the Belpre Boat Ramp and the Racine Boat Ramp. Detailed profiles of relevant projects completed by our key staff are provided in **Appendix B.**

PROVEN RECORD OF SUCCESSFUL MARINE PROJECTS

B&N has worked on many marine projects for state agencies, park boards, and municipalities We are experienced with working in the Ohio River and know what permitting will be required to upgrade the docking facility at the Blennerhassett Island State Park. We have worked with the Corps of Engineer, the West Virginia Department of Environmental Protection, the West Virginia Department of Health, the United States Coast Guard and the West Virginia Division of Culture and History. B&N completed a boat landing facility for the City of Belpre that is located directly across the Ohio River from the existing boat docking facility for the Blennerhassett Island State Park.

Detailed descriptions of our successfully completed marine projects are provided in **Appendix B.**

RESPONSIVENESS TO OWNER'S ISSUES

SIZE AND AVAILABILITY OF STAFF

The West Virginia Division of Natural Resources will have at its disposal the aforementioned key personnel listed in the Project Team to respond to any Owner's issues that may occur during any phase of the project. They will be backed by B&N's corporate resources. In our West Virginia and neighboring Ohio offices alone, we have the resources of more than 100 engineers, geologists, hydrogeologists, biologists, designers and landscape architects.

B&N has the resources to quickly respond and resolve any issues you may have at anytime during the project.

PROCEDURE TO COMMUNICATE WITH OWNER'S REPRESENTATIVE

Our proposed key staff members have been assigned to meet the specific needs of this project and are committed for the duration of the project. Open and frequent Owner and Owner's representative, and staff communications will be maintained and regular meetings held to ensure proper direction, control, and scheduling of your project. ***Brian Tornes, your Project Manager, will closely monitor job progress compared to estimated costs and scheduled time of completion, and make the necessary adjustments in staffing to control costs, and ensure timely execution and satisfactory completion of your project.***

PROCEDURE TO ENSURE THE PROJECT DESIGN AND CONSTRUCTION IS COMPLETED ON TIME

Each of our clients is important to us, and we stand by our commitments to deliver quality services on time and within budget regardless of the size of the project or client. Brian Tornes, our proposed Project Manager, is currently managing projects for several clients. ***However, he has the capacity to lead this project and will be available as your Project Manager for the length of the contract***. One of the primary responsibilities of Mr. Tornes will be to ensure that your project has the necessary resources for successful completion. ***Our key personnel have been selected not only for their relevant experience, but for their ability to be fully committed for the duration of the project***. Our team members have the availability necessary to perform their respective tasks to meet the project schedule.

RODNEY D. HOLBERT, PE, PS, PRINCIPAL

Mr. Holbert joined Burgess & Niple in 1985 and is Director of B&N's Parkersburg office. His experience includes serving as project manager on Indefinite Delivery/Indefinite Quantity contracts for U.S. Army Corps of Engineers, U.S. Forest Service, U.S. Fish & Wildlife, West Virginia National Guard, and West Virginia Department of Transportation. Mr. Holbert provided engineering and project management services for various projects including flood insurance studies throughout West Virginia, hydraulic studies, utility improvements, highway and bridge designs, storm sewer evaluations, and construction services. Mr. Holbert holds a Bachelor of Science degree in Civil Engineering from West Virginia Institute of Technology and a Master's degree in Business Administration from West Virginia University.

Education

West Virginia University – MBA
1989

West Virginia Institute of Technology – BS, Civil Engineering
1985

Registration

Professional Engineer-
Ohio
Virginia
West Virginia

Professional Surveyor-
West Virginia

Relevant Background

Bridge and Structural Inspections – Project engineer responsible for the inspection of bridges ranging in length from 20 feet to 2,400 feet. Services included preparation of reports and stress analysis and load ratings. Representative bridge inspections include:

- Market Street Bridge over the Ohio River, Steubenville, Ohio/Weirton, West Virginia
- East Street Bridge over the Little Kanawha River, Parkersburg, West Virginia
- Fifth Street Bridge over the Little Kanawha River, Parkersburg, West Virginia
- South Charleston-Dunbar I-64 Bridge over Kanawha River, West Virginia
- 82 Bridges, U.S. Army Corps of Engineers, Huntington District
- 17 Tainter Gates, U.S. Army Corps of Engineers, Huntington District
- 21 Vertical Lift Gates, U.S. Army Corps of Engineers, Huntington District
- Center Hill Dam Tainter Gates, U.S. Army Corps of Engineers, Nashville District
- 40 Bridges, District One, West Virginia Department of Transportation 1998 - 2004
- 12 Bridges, Oregon Department of Transportation
- Assisted in formatting, compiling, and editing of *1990 West Virginia Bridge Inspection Manual*

Bridge Design – Project engineer responsible for design, review, and coordination of different areas and phases of bridge projects. Representative bridge projects include:

- Petersburg U.S. 220 Bridge, Petersburg, West Virginia
- Moorefield U.S. 220 Bridge, Moorefield, West Virginia
- Moorefield Railroad Bridge, Moorefield, West Virginia
- Paughtown and Deep Run Emergency Replacement Bridges, Mineral County, West Virginia
- East Street Bridge, Parkersburg, West Virginia

Memberships, Affiliations and Honors

National Bridge Inspection Certification, 2004
Chamber of Commerce of the Mid-Ohio Valley, Chairman Transportation Committee, 1996-2001; Board of Directors, 2003-Present
Parkersburg Toastmasters Club
American Society of Civil Engineers – Outstanding Membership Chair Award and Top Recruiter Award, 1997
Society of American Military Engineers
West Virginia ASCE – Secretary, 1993-94; Vice-President, 1994-95; President, 1995-96

West Virginia Young Civil Engineer of the Year, 1996
ASCE District 6 Chairman, 1997
West Virginia University Institute of Technology Alumni Association – Vice President, 1998-2000; President, 2000-02
West Virginia Association of Consulting Engineers – Chairman Transportation Committee 2002-2003; Chairman QBS Committee, 2003-Present
West Virginia Association of Land Surveyors

Publications, Presentations, Papers

"A Curriculum for the Business of Engineering and Technology," 1999 Conference for Industry and Education Collaboration

BRIAN W. TORNES, PE

Mr. Tornes joined Burgess & Niple in 1990 as a design engineer in the Environmental Division. His experience includes civil/site design for development of municipal, recreational, educational, industrial, and commercial facilities. Design responsibilities include site layout, utility service, parking lot and roadway design, site grading, stormwater control, and construction stormwater pollution prevention. Stormwater control features are sized to comply with state and local regulations for control of the rate of stormwater runoff and improvement of the stormwater quality both during and after construction is completed. Mr. Tornes has designed post-construction stormwater quality control features including wet and dry retention ponds, bioswales, constructed wetlands, vegetated swales, and pervious pavements. He holds a Bachelor of Science degree in Civil Engineering from The Ohio State University.

Education

The Ohio State University
–
BS, Civil Engineering
1990

Registration

Professional Engineer-
Indiana
Ohio
West Virginia

Relevant Background

Recreational Facilities – Project engineer responsible for layout, utilities, grading, pavements, wetlands, ponds, boating facilities, and stormwater management systems for a variety of passive and active recreational facilities. Typical projects include parks, boating access facilities, habitat restoration areas, and historical site preservation. Selected sites were brownfields requiring site mitigation design as part of the site improvements. Representative projects include:

- Ohio River Boating Access, Ohio Department of Natural Resources, Racine Ohio
- Chilo Lock #34 Boat Ramp, Clermont County Park District, Chilo, Ohio
- Wingfoot Lake Boating Access Facilities Improvements, Ohio Department of Natural Resources, Akron, Ohio
- Scioto Audubon Park Development, Columbus and Franklin County Metro Parks, Columbus, Ohio
- Deer Creek Fishing Access, U.S. Army Corps of Engineers, Pickaway County, Ohio
- Fort Ancient Erosion Control, Ohio Historical Society
- Wetland Restoration, Battelle Darby Creek Metro Parks, Columbus and Franklin County Metro Parks, Franklin County, Ohio

Permit Activities – Worked with companies in completing permit applications and affiliated reports or drawings for the various Ohio EPA district offices and municipal pretreatment coordinators. Applications have included Permit-to-Install, National Pollutant Discharge Elimination System, stormwater discharge, pretreatment discharge, underground injection, and closure activities. Clients have included:

- City of Columbus, Ohio
- City of St. Clairsville, Ohio
- Ford Motor Company, Sandusky, Ohio
- BP-Chase Brass, Montpelier, Ohio
- American Bottling Company, Columbus, Ohio
- General Electric, Circleville, Ohio
- The Pillsbury Company, Wellston, Ohio
- GFS Chemicals, Columbus, Ohio
- Techneglas, Inc., Columbus, Ohio

Constructed Wetlands – Civil engineer responsible for layout and hydraulic design of constructed wetlands for mitigation and/or treatment. Wetlands installed for treatment have been utilized to achieve compliance with discharges under a National Pollutant Discharge Elimination System Permit. Wastewater streams treated through constructed wetlands have included stormwater runoff, acid mine drainage, landfill leachate, and sanitary sewage. Representative constructed wetlands projects include:

- Sanitary Wastewater Treatment, Geneva Hills Camp, Lancaster, Ohio
- Sanitary Wastewater Treatment, Camp Otterbein, Logan, Ohio
- Stormwater Treatment, Honda of America, Marysville, Ohio
- Leachate Treatment System, Coventry Road Landfill, Lancaster, Ohio
- Acid Mine Seep Treatment, Saginaw Mining Company, St. Clairsville, Ohio
- HRA Wetlands, Honda of America, Marysville, Ohio

Additional wetlands have been designed for the wildlife habitat restoration, parkland creation, or mitigation. Representative projects for these wetlands include:

- Darby Dam Farms Wetland Restoration, Franklin County Metro Parks, Battelle-Darby Creek Metro Parks, Franklin County, Ohio
- Grange Insurance Audubon Center, Demonstration Wetland, Columbus, Ohio
- Ohio River Boat Access Facility, Ohio Department of Natural Resources, Racine, Ohio
- Vint Hill Mitigation Wetland Improvements, Vint Hill Farms Stations, Fauquier County, Ohio

New Parking Lot Design – Civil engineer responsible for detail design of new parking lots and expansion of existing parking facilities. Specific responsibilities include layout of parking facilities for automobiles and trucks, design of stormwater control features, protection of underground utilities, and pavement design for new lots using traditional asphalt or concrete surfaces as well as pervious concrete and paver systems. Stormwater control features have been designed for compliance with local and state regulations for control of the runoff quantity as well as water quality through the use of temporary storage on the parking lot surface, underground control structures, wet and dry ponds, constructed wetlands, bioswales, pervious pavements, and vegetated swales. Representative projects include:

- Deer Creek Fishing Access – United States Army Corps of Engineers, Deer Creek Lake Recreation Area, Pickaway County, Ohio
- Racine, Ohio River Boating Access – Ohio Department of Natural Resources, Racine, Ohio
- Facility and Parking Lot Development – Imasen Bucyrus Technology, Bucyrus, Ohio
- Municipal Building Development and Parking facilities –Village of Belpre, Belpre, Ohio
- Phase I Facility Expansion – Clark State Community College, Springfield, Ohio
- Parking Lot and Facility Development – Bucyrus Precision Technology, Bucyrus, Ohio
- South Employee Parking Lot Expansion and Gate B Construction – Honda of America, Marysville, Ohio
- Truck Parking Expansion – Dole Corporation, Springfield, Ohio
- Phase IV through VI Facility Expansion– Newman Technology, Mansfield, Ohio
- Parking Lot and Site Pond Design - Atrium Buying Corporation, Johnstown, Ohio
- Facility and Parking Expansion – FT Precision, Marysville, Ohio
- Facility and Parking Expansion – Candle-Lite Distribution Center, Leesburg, Ohio
- Facility and Parking Development – Ada Technologies, Ada, Ohio
- Grange Insurance Audubon Center, Columbus, Ohio

Memberships, Affiliations and Honors

Water Environment Federation

Training

Colorado State University – Activated Sludge Process Control Short Course, 1997

STEVEN D. STAATS, ASLA

Mr. Staats joined Burgess & Niple in 1984 as a landscape architect. His 30 years of design experience includes the preparation of feasibility reports, master plans, graphic presentations, detailed plans, specifications, and cost estimates for parks, military facilities, commercial developments, housing developments, industrial plants, highway beautification, educational facilities, and street and parking beautification. Additional responsibilities have included providing construction services, preparing Phase 1 Environmental Site Assessments, and serving as a team member for numerous bridge inspections in Ohio and West Virginia. Mr. Staats holds a Bachelor's Degree in Landscape Architecture from The Ohio State University.

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

Relevant Background

Parks and Recreation Facilities – Project director responsible for layout of recreational facilities and parks including various athletic fields and courts, shelters, pedestrian trails, vehicular circulation, campsites, play structures, bicycle paths, and comfort stations. Representative recreational projects include:

- **Ohio River Boat Launch Facilities, Monroe County, Ohio** – Site development for an Ohio River boat launching ramp, picnic shelters and rest room facilities.
- **Ohio River Boat Launch Facilities, Belpre, Ohio** – Site development for an Ohio River boat launching ramp, picnic and rest room facilities.
- **Point Park, Ashtabula, Ohio** – Site development for an existing park overlooking Lake Erie.
- **Godbey Field Relocation, Parkersburg, West Virginia** – Site development for a new 14 ball field, 45-acre recreational complex. Awarded a "Silver Award" from the West Virginia Association of Consulting Engineers.
- **West Virginia Interstate Fair & Exposition, Mineral Wells, West Virginia** – Master plan for a new fairgrounds complex.
- **West Columbus Flood Wall, Columbus, Ohio** – Planting design for a walkway which ran along the Scioto River in downtown Columbus.
- **Atwood Lake Park, Dellroy, Ohio** – Master plan for a 4,500-acre regional park that included several neighboring communities.
- **Charles Fork Lake Park Master Plan, Roane County, West Virginia** – Master plan for a large rural park which included camp sites, trails and fishing access.
- **Racine Boat Ramp/Park Facilities, Racine, Ohio** – Site development for a boat launching facility along the Ohio River.
- **North Bend State Park, Ritchie & Doddridge Counties, West Virginia** – Site development for three rural park sites. Amenities included camping, picnic, fishing, trails, ball fields, shelters, and swimming beach.
- **USDA – Division of Forestry, Big Bend Park, Grant County, West Virginia** – Site development for a new bath house and associated parking lot.
- **USDA – Division of Forestry, Garden of the Gods Recreation Area, Shawnee National Forest, Illinois** – Site development for an existing rural park which included trail improvements, new water storage tanks, rest room facilities, and new parking facilities.
- **USDA – Division of Forestry, Prescott National Forest, Camp Verde, Arizona** – Planting and drip irrigation design for a new ranger station and parking facilities.
- **USDA – Division of Forestry, Lincoln National Forest, Lost Lodge, New Mexico** – Planting design for a new ranger station and parking facilities.

- **Little Kanawha Riverfront Development, Parkersburg, West Virginia –** Recreational master plan for an old industrial site along the Kanawha River. Improvements designed for the site included new roadway, parking, multi-use retail center, riverfront restaurant, bicycle/walking/jogging trail, picnic areas, nature center with associated aboveground walkway system, open play area, and performance stage.
- **US Fish & Wildlife Amphitheater, Williamstown, West Virginia –** Design of an outdoor amphitheater, walkways, and associated landscape improvements. Alternative locations for the amphitheater were designed and evaluated for an existing US Fish & Wildlife Contact Station located along the Ohio River.

Training

Burgess & Niple, Limited – Bridge Inspection Training
Toro Company – Irrigation Design Seminar
West Virginia University – Mike Lin Graphics Seminar
West Virginia University at Parkersburg – AutoCAD
Emilcott-dga, Inc. – Permit Required Confined Space Entry Training
Emilcott-dga, Inc. – Respiratory Protection Training
AEC-Cadcon – Land 3 AutoCAD Training

Memberships, Affiliations and Honors

American Society of Landscape Architects
American Society of Landscape Architects – West Virginia Chapter
Student Awards, The Ohio State University

JENNIFER L. KELLY, PWS

Ms. Kelly joined Burgess & Niple in 1997 as an Environmental Scientist in the Environmental Division. Her experience includes conducting Phase I Environmental Site Assessments, wetland delineations and Clean Water Act permitting and mitigation, aquatic surveys, ecological investigations, NEPA coordination, and preparation of industrial response plans. She holds a Bachelor of Science degree in Biology with minors in Environmental Science and Chemistry from Ohio Northern University and a Master of Science degree in Environmental Science with a biological emphasis from Ohio University.

Education

Ohio University – MS, Environmental Science 1997

Ohio Northern University – BS, Biology 1995

Registration

Professional Wetland Scientist (No. 1644)

Wetland Delineation – U.S. Army Corps of Engineers

Relevant Background

Wetland/Stream Permitting and Mitigation – Environmental scientist responsible for obtaining appropriate Clean Water Act (CWA) Section 404/401 permits for a variety of clients, including preparation of conceptual mitigation plans and mitigation monitoring.

- Cherokee Run Landfill, Expansion Site, Bellefontaine, Ohio
- City of Newark, Watson Road Landfill Improvements, Licking County, Ohio
- Waterway Permit and Mitigation Plan, CR 403 Relocation, COL-CR403-1.96, Columbiana County Engineer
- WCI Steel, Residual Waste Facility, Warren, Ohio
- Waterway Permit, WAR-123-16.65, PID 77137, Culvert Reconstruction/Channel Realignment, ODOT District 8
- Seneca County Engineer, SEN-CR33-3.66 Bridge Replacement, Tiffin, Ohio
- Sawmill Parkway Transportation Corridor, Delaware County Engineer, Delaware, Ohio
- Waterway Permit, FRA-62D, Town Street Bridge Demolition & Rich Street Bridge Construction, ODOT District 6
- 404/401 Permit, Amity Pike Bridge Replacement, MAD-CR36-1.98, ODOT and Madison County Engineer
- Waterway Permit, UNI-33-24.890, PID 80748, Dublin U.S. Route 33/State Route 161-Post Road Interchange Improvements
- Fairfield County Engineer, Campground Road Bridge Replacement over Hocking River, FAI-C54-1.03
- Ohio Historical Society, Indian Mill Dam Replacement & Fish Passage, Wyandot County, Ohio
- Anderson Center Lake Mitigation Monitoring, Anderson Township, Ohio

Aquatic Surveys and Ecological Investigations – Environmental scientist involved in conducting a variety of ecological investigations including vegetation surveys, Qualitative Habitat Evaluation Index (QHEI) Assessments, Headwater Habitat Evaluation Index (HHEI) Assessments, use of the Ohio Rapid Assessment Method (ORAM), aquatic surveys of fish and macroinvertebrate communities, biological assessments, and endangered species habitat surveys. Representative projects include:

- Environmental Report, U.S. Department of Agriculture, Erie County Water District B Water Main Extension, Erie County, Ohio
- Level I Ecological Survey, Westlake Park-n-Ride Expansion (South Parcel), PID 78840, Greater Cleveland Regional Transit Authority and ODOT, Cuyahoga County, Ohio
- Level I Ecological Survey Report, Austin Pike Roadway Improvements, MOT-CR166-6.00, PID 78696, ODOT District 7 and Montgomery County Engineer
- U.S. Army Corps of Engineers, Greenup Locks and Dam, Greenup, Kentucky
- U.S. Army Corps of Engineers, Bluestone Dam Aquatic Habitat Survey, Hinton, West Virginia

- HHEI Stream Assessments, Port Columbus International Airport, Columbus, Ohio
- Owl Creek Farms, Biocriteria Assessment, Knox County, Ohio
- U.S. Army Corps of Engineers and Nature Conservancy, Ohio Chapter, Upper Big Darby Creek Habitat Survey, East Liberty, Ohio
- Level I Ecological Survey, Amity Pike Bridge Replacement, MAD-CR36-1.98, ODOT and Madison County Engineer
- MOA Ecological Survey Report, FRA-Scioto Hilltop Connector, PID 79031
- MOA Ecological Survey Report, ATB-307-12.78, PID 78133
- MOA Ecological Survey Report, HAM-74-ARTIMIS, PID 79308
- MOA Ecological Survey Report, CLE-276-1.00, PID 22375
- MOA Ecological Survey Report, PRE-122-20.81, PID 77791
- MOA Ecological Survey Report, BUT-South Hamilton Crossing, PID 81174
- MOA Ecological Survey Report, UNI-33-24.890, PID 80748
- MOA Ecological Survey Report, ATH-682-0.64, PID 80504
- MOA Ecological Survey Report, FRA-CR9-9.72, PID 83565
- Level I Ecological Survey, Summit Lake & Kenmore Towpath Trails
- Level I Ecological Survey, FRA-US33-Blacklick Creek Greenway, PID 75810
- Fish & Macroinvertebrate Assessment, Brandywine Creek, City of Hudson, Ohio
- Low-Head Dam Removal, Alum Creek, Franklin County, Ohio
- U.S. Army Corps of Engineers, Claytor Lake Quantitative Habitat Evaluation, Pulaski County, Virginia
- MOA Ecological Report, Smith & Riverview Road Roundabout, SUM-CR-116. PID 83628
- Level I Ecological Survey Report, I-275/South Gilmore Road/Winton Road Improvements, HAM-CR239-9.49, PID 83469, Hamilton & Butler Counties, Ohio
- Biological Assessments, NexGen Energy Partners, LLC, Conneaut and Marblehead, Ohio
- Ecological Assessment Report, CR300S/Airport Road, Orange County, Indiana
- Ecological Assessment Report, SR 44 Curve Correction, Johnson County, Indiana
- Ecological Assessment Report, SR 144 Intersection Improvements, Morgan County, Indiana

Training

River Assessment and Monitoring, Wildland Hydrology, Inc., Dobson, North Carolina, 2008
River Morphology and Applications, Wildland Hydrology, Inc., Bridgeport, West Virginia, 2006
NEPA and the Indiana Transportation Decision Making Process, INDOT & Federal Highway Administration, Indianapolis, Indiana, 2006
Categorical Exclusion Training, ODOT, 2006
Watershed Management Training, U.S. EPA, 2006
Applied Fluvial Geomorphology, Wildland Hydrology, Inc., Pagosa Springs, Colorado, 2005
Endangered Species Consultation in Ohio, U.S. Fish & Wildlife Service, Columbus, Ohio, 2005
Endangered Species Act: Section 7-Interagency Cooperation, U.S. Department of Transportation, Federal Highway Administration, Indianapolis, Indiana
Developing Environmentally Sensitive Sites, American Society of Civil Engineers, Columbus, Ohio, 2005
River Restoration, The Ohio State University, 2004
Habitat Evaluation Procedures, Virginia Tech, College of Natural Resources, Department of Fisheries and Wildlife Sciences, Falls Church, Virginia, 2002

Voluntary Action Program Biocriteria Training Course – Ohio Environmental Protection Agency, 1997, 1998
40-hour Health and Safety Training Course for Hazardous Waste Operations
Basic Wetland Delineation – Wetland Training Institute, Memphis, Tennessee

Memberships, Affiliations and Honors

Society of Wetland Scientists, Professional Wetland Scientist (PWS)
Ohio Mineland Partnership

Certifications

Ecological Survey Prequalification, INDOT, 2006
Ecological and Waterway Permits Prequalification, ODOT, 2005
Biocriteria Assessment Certification for Fish and QHEI Evaluation – Voluntary Action Program, Ohio Environmental Protection Agency, 1997-2001
40-hour Health and Safety Certification
Wetland Delineation Certification – Wetland Training Institute Certification based on U.S. Army Corps of Engineers *Wetlands Delineation Manual*, 1987

Publications

"Salinity Fluctuations in the Chesapeake Bay as a Major Factor Influencing the Distributional Patterns of Gastrotricha," Master's Thesis, Ohio University, Athens, Ohio, 1997.

JOHN C. GOODMAN

Mr. Goodman joined Burgess & Niple in 1965 and is Director of Construction Services for the firm's Allegheny Region. His supervision and administration experience during the construction phase has included numerous municipal, transportation, architectural, and recreational projects for state, county, city, and private clients. Projects have included water and wastewater systems, electrical systems, airport facilities, industrial parks, county and city facilities, parks, and lodging facilities. Mr. Goodman has served in all levels of project supervision and development from predesign studies through construction, including preparation of contract documents for water and wastewater systems, industrial, and recreational projects.

Relevant Background

Architecture – Director of constructions services for numerous projects, including a 26,000-sf municipal building, single-family housing, police and fire department facilities, airfield lighting vault, vehicle maintenance, compressor, and office buildings. Representative building projects include:

- Wood County Airport Authority, West Virginia – Fire station and equipment.
- City of New Martinsville, West Virginia – Municipal building.
- Department of Commerce, Division of Parks and Recreation, State of West Virginia, Canaan Valley Resort State Park – Snow making facilities and maintenance center.

Recreational – Director of construction services for parks and support facilities in Ohio and West Virginia. Projects included lodge facilities with indoor swimming, reconstruction of a historic railroad, boat launching facilities, campgrounds, and ski snowmaking facilities. Representative projects include:

- Department of Commerce, Division of Parks and Recreation, State of West Virginia – Cass Scenic Railroad State Park.
- City of Belpre, Ohio – Boat launching facilities.
- Wood County Parks and Recreation Commission, West Virginia – Mountwood Park.

Transportation –

- Jackson County Development Authority, Ravenswood, West Virginia – Industrial railroad sidings and WVDOT access roadway.
- City of Parkersburg, West Virginia – Roadway reconstruction including utilities.
- Wood County Airport Authority, Parkersburg, West Virginia – asphalt and concrete pavements, aprons, and drainage improvements.

Education

State of Ohio, Department of Education, Vocation Division, Trade and Industrial Service, 1966
The Ohio State University – Management for Water and Sewer Construction, 1972
West Virginia Construction Laws, 1985 State Conference

Memberships, Affiliations and Honors

West Virginia Planning Association
American Water Works Association
West Virginia Chapter of the American Public Works Association

Certifications

Certified for Operation of Nuclear Testing Equipment
National Institute for Certification in Engineering Technologies

STANLEY E. JOHNSON, PE, PS, ASSOCIATE

Mr. Johnson joined Burgess & Niple in 1970 and is an engineer in the Water Resources Group. He has extensive experience with project involving hydrology and hydraulic analyses. His work includes flood insurance studies; water development plans; watershed analysis; storm drainage management; detention/retention basins; dam inspection; water storage tank inspection; water system analysis; flood protection structures; dam modification and dam design; and stormwater master plans, design manuals, and utilities. His work has comprised all phases of projects including conception, preliminary analysis, and preparation of detailed plans and specifications. Mr. Johnson holds Bachelor of Civil Engineering, Master of Science in Civil Engineering, and Master of Business Administration degrees from The Ohio State University.

Education

The Ohio State University – Master of Business Administration Finance Concentration 1981

The Ohio State University – Master of Science, Water and Wastewater Specialty 1973

The Ohio State University – Bachelor of Civil Engineering 1970

Registration

Professional Engineer- Ohio Pennsylvania Virginia

Professional Surveyor- Ohio

Relevant Background

Floodplain Studies – Project engineer responsible for the preparation of the Federal Emergency Management Agency's Flood Insurance Studies; preparation of Letters of Map Revision; and review of proposed floodway changes to ensure compliance with local ordinances. Representative projects include:

- Flood Insurance Studies in Arizona, Indiana, Ohio, and West Virginia
- Letter of Map Revision for the North Fork Licking River, City of Newark, Ohio
- Coal River Basin Study, U.S. Army Corps of Engineers, Huntington District, West Virginia – Determination of flood water profiles using the HEC-2 computer model. The study included development of a program to compute flood damages directly from profile output data files.
- Floodplain Reviewer, Franklin County, Ohio

Flood Inundation Maps – Project engineer responsible for conducting or directing the preparation of flood inundation maps as part of an Emergency Action Plan. Representative projects include:

- O'Shaughnessy Dam Emergency Action Plan, City of Columbus, Ohio
- Griggs Dam Emergency Action Plan, City of Columbus, Ohio
- Hoover Dam Emergency Action Plan, City of Columbus, Ohio
- Silver Creek Dam Emergency Action Plan, Battelle Memorial Institute, Columbus, Ohio
- Chagrin Falls Lower Dam Emergency Action Plan, Ivex of Peoria, Peoria, Illinois
- Wright Farm West Detention Basin Dam Emergency Action Plan, City of Forest Park, Ohio
- Reeds Pond Dam Emergency Action Plan, Pennsylvania American Water Company, Milton, Pennsylvania

Training

Hydrologic Modeling Using GIS and the Watershed Modeling System, 2001
Water Surface Profiling Workshop Featuring HEC-RAS, 1999
The Stormwater Management Model Seminar, 1991
Stanford University Workshop on Probabilistic Risk Assessment of Dams, 1985
Certified Fallout Shelter Analyst

Certification

Certified Floodplain Manager
Certified Master Modeler (Haestad Methods)

Memberships, Affiliations and Honors

National Society of Professional Engineers
Ohio Society of Professional Engineers
American Society of Civil Engineers
American Water Works Association
Professional Land Surveyors of Ohio
Chi Epsilon (National Civil Engineering Honorary Fraternity)
Water Management Association of Ohio
Ohio Dam Safety Organization
Ohio Floodplain Management Association

Publications and Presentations

"Impact of Map Modernization on Communities," presentation at Ohio Floodplain Management Conference, Columbus, Ohio, August 11-12, 2010.

"ASCE 24 Building Standards for Construction in Flood Hazard Areas," presentation at Ohio Floodplain Management Conference, Columbus, Ohio, August 26-27, 2009.

"ASCE 24 Flood Resistant Construction – and Overview," presentation at Ohio Floodplain Management Conference, Columbus, Ohio, August 22-23, 2007.

Johnson, S., and Pajk, J., "Alternate Plan Changes—Impacts on Hydraulics and Permitting," 60th Annual Ohio Transportation Engineering Conference, Columbus, Ohio, October 2006.

"How to Evaluate a Hydrologic and Hydraulic Analysis for Compliance with Community Floodplain Regulations," presentation at Ohio Floodplain Management Conference, Columbus, Ohio, August 30-31, 2006.

"Proper Steps for Performing a Floodway Impact Analysis," presentation at Ohio Floodplain Management Conference, Columbus, Ohio, August 31-September 1, 2005.

"Riverfront Development and Floodplain Regulations Compliance," presentation at Ohio Floodplain Management Conference, Columbus, Ohio, August 25-26, 2004.

"Dam Breaking," presentation to Mid-Atlantic Council for Safety Dams Regional Conference, Pennsylvania, June 6, 1996.

Pritchard, D., Linzell, L., and Johnson, S., "Methods for Specification and Verification of Hydraulic Design in a Turnkey Construction Contract," Hydraulic Division, ASCE, Specialty Conference, Williamsburg, Virginia, August 1987.

Johnson, S., "Development of a Design Manual for Stormwater Management," 14th Annual Conference on Water Resources Planning and Management, Water Resources Planning and Management Division, ASCE, Specialty Conference, Kansas City, Missouri, March 1987.

Johnson, S., "Hydraulic Profile Computation Using CADD," Water Resources Planning and Management Division, ASCE, Specialty Conference, Buffalo, New York, June 1985.

Johnson, S., "CADD Development Hydraulic Profile Computation," The Second National Conference on Microcomputers in Civil Engineering, Orlando, Florida, October 1984.

Johnson, S., "Key Elements of an Emergency Action Plan," Inspection, Evaluation, and Rehabilitation of Existing Dams Seminars, Columbus, Ohio, October 1984.

Johnson, S., "Computer Simulation of Acid Mine Drainage from a Refuse Pile," M.S. Thesis, The Ohio State University, Columbus, Ohio, 1973.

VINCE E. AMATO, PE, ASSOCIATE

Mr. Amato joined Burgess & Niple in 1986 and is Chief Geotechnical Engineer. He is responsible for coordinating geotechnical engineering investigations and analyses. His design experience includes building and bridge foundations supported by deep and shallow foundations. He has performed stability and settlement analyses for dams, dikes, levees, and earth slopes. He is experienced in the design of earth retaining systems and cofferdams. Mr. Amato is responsible for the preparation of construction plans and specifications, including associated geotechnical instrumentation. He provides services during construction and assists in the resolution of geotechnical-related construction problems. Mr. Amato holds a Bachelor of Science degree in Structural Engineering and a Master of Science degree in Geotechnical Engineering from The Ohio State University.

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

Federal Energy Regulatory Commission approved "Independent Consultant" for dam inspection

Relevant Background

Transportation Engineering – Project geotechnical engineer for roadway, pavement, and bridge foundation engineering. Since 1986, has provided foundation design recommendations and review for over 750 structures for the ODOT Bridge replacement programs. Prepared and presented foundation design lectures for ODOT's seminar on bridge design and replacement. Representative transportation projects include:

- PIK-32-13.55 (Appalachian Highway), ODOT, Pike County, Ohio – 2.7 miles of four-lane divided roadway, six twin highway bridges, and two railroad overpass bridges.
- Franklin County, Ohio – 4 miles of pavement widening and existing pavement rehabilitation. Six bridge replacements.
- Logan County, West Virginia – Five-span, 1,200-foot-long new bridge

Landslides – Project engineer for geotechnical services for identification, evaluation, and investigation of landslides. Responsible for preparation of plans and specifications for remedial measures including buttress fills, anchored drilled shaft retaining walls, and cellular-type structures. Representative projects include:

- Columbia Parkway, Cincinnati, Ohio – Anchored drilled shaft retaining walls
- Wood County Airport, Parkersburg, West Virginia – 60-foot-high buttress fill
- Cass Railroad, West Virginia – Crib wall

Dams/Reservoirs – Project geotechnical engineer for inspections, foundation investigation, slope stability, settlement and seepage analysis for earth dams and inspection, foundation investigation, and stability analysis of gravity dams. Representative projects include:

- O'Shaughnessy Dam, Columbus, Ohio – Developed and supervised the geotechnical investigation program to determine foundation rock strength parameters. Strength parameters were obtained to evaluate stability of the 75-foot-high concrete gravity dam in accordance with FERC requirements. The rock strength testing program consisted of single-stage and multistage direct shear tests and triaxial tests on 4-inch-diameter rock core specimens. Specimens of the dam concrete/limestone interface, limestone joints, and a shale seam were obtained and tested for strength properties. Prepared final geotechnical report. Total geotechnical investigation cost was in excess of $100,000.
- St. Clairsville South Dam Rehabilitation, St. Clairsville, Ohio – Conceptual design of roller-compacted concrete (RCC) armoring of existing earth dam to provide resistance to overtopping flood flows. Helped prepare specifications for RCC mix design and placement procedures. Provided on-site supervision during placement of RCC test lifts and assisted in modification of construction techniques to achieve adequate RCC

compaction. Designed shotcrete armoring for exposed steep rock cut required to construct emergency spillway.

- Upground Reservoir, Delaware, Ohio – Responsible for slope stability and settlement analyses of earth embankments used to impound water for upground 250-Mgal storage reservoir. The maximum embankment section was 45 feet high. Construction, steady seepage, and quick drawdown conditions were evaluated. The investigation was performed by computer analysis using the STABL4 program. Estimated cost of construction was $2.5 million.
- Dam Rehabilitation, IVEX of Ohio, Chagrin Falls, Ohio – Geotechnical investigation to evaluate stability of existing arch dam and proposed new embankments. Designed anchored cellular cofferdam and cantilever sheetpile structures to provide additional flood protection for adjacent manufacturing building.
- Dam Inspections, Pennsylvania-American Water Company – Performed inspections for nine earth dams in Pennsylvania. Typical dam sizes were 20 to 50 feet high and 300 to 1,000 feet long. Due to downstream conditions, some of the dams have high hazard classification. Each dam was visually inspected for slope movements, surface conditions, seepage, and riprap failures.
- Muskingum River Locks & Dams No. 10, Zanesville, Ohio – Geotechnical investigation and analysis of stabilization of channel banks. Responsible for structural design of approximately 1,000 lineal feet of anchored sheetpile retaining walls. Prepared construction drawings and soil and rock anchor specifications.
- Hardy Lake Dam Seepage Evaluation, Scottsburg, Indiana – Responsible for geotechnical investigation and monitoring program to investigate boil downstream of 60-foot-high earth dam founded on limestone bedrock containing solution cavities. Identified source of seepage and prepared report of findings.

Training

ASCE – Introduction to the Design and Construction of Tunnels, 2005
National Highway Institute – Geotechnical Instrumentation, 1998
National Highway Institute – Subsurface Investigations, 1998
FHWA Load and Resistance Factor Design (LRFD) for Highway Bridge Substructures, 1998
Advances in Soil and Wall Reinforcement, 1997
Slope Stability in Waste System, 1997
Emerging Issues in Landfill Design, Construction, and Operations, 1996
Geotextiles in Waste Containment Systems, 1996
Liner Technology and New Techniques in Geosynthetics Construction, 1995
Design and Construction of Deep Foundations, 1994
Tensar Geogrid Design Seminar, 1994
ASHE Pavement Design Seminar, 1994
ASDSO Roller Compacted Concrete for Dams, 1991
ADSC Drilled Foundations, 1990
Nuclear Gage Training Course, 1989
FHWA Pile Foundation Workshop, 1989
Geotechnical Analysis on Personal Computers, 1987

Memberships, Affiliations and Honors

American Society of Civil Engineers

R. MICHAEL HINTON, PE

Mr. Hinton joined Burgess & Niple in 1987 as a design engineer responsible for detailed design calculations, plan and specification preparation, and shop drawing review for reinforced concrete, steel, timber, and masonry structures. He has been involved in a wide variety of structural projects; his diverse engineering background includes architectural, industrial, commercial, environmental and transportation projects. Mr. Hinton holds Bachelor's and Master's degrees in Civil Engineering from the University of Akron.

Education

University of Akron – MS, Civil Engineering 1986

University of Akron – BS, Civil Engineering 1984

Registration

Professional Engineer-
Ohio
West Virginia

Relevant Background

Architectural – Performed inspection, analysis, and design work for many rehabilitation and renovation projects. Other project design experience includes special foundation systems, retaining walls, concrete floor slab rehabilitation, treatment facility structures, metal buildings, retaining walls, bracing structures, structural inspections during construction, evaluations of structures for increased loadings or performance problems, and failures of varying degrees including fire damaged structures. Representative projects include:

- City Building, New Martinsville, West Virginia – New 27,000-sf steel framed structure with structural slab system.
- Yellow Freight Systems Terminal, Belpre, Ohio – Expansion to elevated loading dock and metal building.
- Jackson's Mill, Historic Mill Revitalization, Lewis County, West Virginia – Combination concrete inlet control/earth retaining structure at the mill.
- GE Plastics Medical Facility, Parkersburg, West Virginia – New 6,000-sf basement structure for a single-story building.
- West Virginia University, Morgantown, West Virginia – Addition of a 3,000-sf skylight/roof structure over a courtyard.
- Ohio National Guard, Morgan County, Ohio – New 30,000-sf masonry building and two independent crane systems.
- Tyler County School, Tyler County, West Virginia – New masonry middle school and high school education facility.
- Marietta Middle School, Marietta, Ohio – Renovation project at an 80-year-old school included removing building columns to create a mini gymnasium.
- Marietta College Stadium, Marietta, Ohio – Evaluation and repairs to press box.
- West Virginia National Guard, Parkersburg, West Virginia – Renovation that added an overhead crane system.
- Carlisle Elementary School, Covington, Kentucky – New school facility.
- Perry Community Education Village, Lake County, Ohio – A very large dual school and community campus featuring numerous unique architectural elements.
- West Virginia Department of Highways, Jackson County Maintenance Facility – Masonry vehicle maintenance facility with a long-span joist roof system.
- Elks Club, Parkersburg, West Virginia, Johns-Manville Corp., Vienna, West Virginia – Evaluated and designed repairs to wooden roof trusses.
- Greenbrier Community College, Lewisburg, West Virginia – Renovation of an existing three-story former dormitory facility that included complete floor replacement and removing a significant portion of the basement exterior wall for an auditorium.

- First Presbyterian Church, Parkersburg, West Virginia – Facility study and subsequent design of a wide range of improvements and addition of a large new lobby, offices and canopy structure.
- Church of God, Parkersburg, West Virginia – Facility study for a major expansion of the 400-seat church and daycare facility into a 1,000-seat sanctuary with classrooms, offices and banquet facility and retaining the existing facility for daycare and youth sanctuary.
- Jackson Park Municipal Swimming Pool, Vienna, West Virginia –Replacement wading pool and rehab of the main pool.
- Fort Bragg BCT Complex, Ft. Bragg, North Carolina – Resident Quality Control structural engineer for General Contractor Archer Western on site as part of a complete site development and construction of a barracks and training facility for 2,500 personnel in 10 months. Project included construction of over 100 modular buildings and infrastructure in an environmentally sensitive area for the Corps of Engineers. **
- Clermont County, Ohio – Structural design of deep pump station for municipality in a sensitive residential neighborhood.
- Clark Hall, West Virginia University, Morgantown, West Virginia – Design of a foundation system for a large magnetic resonance imaging unit as part of a new science lab. Complications were found in the existing foundation system and the bearing soils.
- Gray Television Group (WTAP Television Studio, Parkersburg, West Virginia) – Structural evaluation of an older existing maintenance building and redesign of space for all-new television broadcasting facility. Also designed new auger cast pile foundation for new 120' tripod antennae at their new facility in a challenging location in weak soil conditions.
- West Virginia University at Parkersburg, Parkersburg, West Virginia – Designed external bracing towers that allowed vertical movement to remedy settlement problems in the four-story Classroom Building; evaluation determined that expansive soil conditions were responsible for abrupt movements in the building and that the original structure had inadequate bracing for wind loads.
- Enterprise Church, Pomeroy, Ohio – Expert witness for Owners counsel in partial collapse of building due to hidden decay of structural roof trusses.
- Ft. Sam Houston, San Antonio, Texas – Designed new Youth Activity Center prototype for military bases. Structure was tall precast walls with 80-foot steel trusses over gymnasium area; light gage trusses elsewhere with hip roofs. Site complications required a "waffle slab" design over select fill material to overcome potential swelling soil conditions from native clay materials. **
- Advanced Auto, Oakwood, WV – Evaluation of a retail structure built partially on grade and partially supported on concrete piers on a modified sloped embankment.
- Tri River Transit Authority, Charleston, West Virginia – Performed structural design for new combined bus garage and administration building in Hamlin, West Virginia.
- US Acquisition, Marietta, Ohio – Review of 4 multistory buildings for structural integrity and code compliance.

Transportation – Experience includes structural design of multispan composite bridge decks and composite prestressed box beam bridges. Resident engineer during rehabilitation of four bridges and has structural bridge inspections and load rating reviews. Other projects include inspection, analysis and design of rehabilitation plans for several parking garage facilities. Representative projects include:

- Perry Community Education Village, Lake County, Ohio – Composite prestressed concrete box beam bridge.
- Ohio Department of Transportation – Review and check of consultant bridge plan sets submitted to ODOT.
- Ohio Turnpike Commission, Lorain County, Ohio – Resident engineer on four bridge overpass rehabilitation projects.
- Ohio Turnpike Commission, Erie County, Ohio – Designed two bridge rehabilitation projects for roadways over the Ohio Turnpike.
- West Virginia Department of Highways, Arch Moore Bridge – Assisted in load rating analysis for a tied arch bridge.
- West Virginia Department of Highways, Fourth Street Retaining Wall, Parkersburg, West Virginia – Evaluation and design of rehabilitation of a very old concrete and deteriorated retaining wall supporting a high-volume state roadway within the city. A combined wall repair and buttressing of wall was required to provide lateral support.
- Athens Municipal Parking Garage, Athens, Ohio – Project manager for a facility study and subsequent major rehabilitation project that included significant structural concrete repairs, post-tensioned tendon repairs, general facility improvements and special deck coatings to extend the life of the facility.
- St. Joseph's Hospital Parking Garage, Parkersburg, West Virginia – Project manager for a facility evaluation and subsequent major rehabilitation project that included significant structural concrete repairs, complete post-tensioned tendon replacement of the top decks and soil anchoring of a retaining wall that is a part of the parking structure.
- Fairmont Marion County Transit Authority, Fairmont, West Virginia – Rehabilitation of an existing precast building structure to add an additional floor and new masonry addition to the existing city bus garage facility.

** Denotes Design Build projects with Contracting Partners.

Memberships, Affiliations and Honors

American Concrete Institute, Member
American Society of Civil Engineers, Member

BOAT LAUNCH RAMP

CITY OF BELPRE, OHIO

As stated in ODNR's Division of Watercraft's Fall 1992 newsletter *Ohio Boating*, "Nestled in the shore along the Ohio River at Belpre, across from the historic Blennerhasset Island, is one of Ohio's finest new boating facilities."

This cooperative project was funded by the City of Belpre, the Waterways Safety Fund administered by the Division of Watercraft, and the Federal Aid in Sport Fish Restoration Program administered by the ODNR Division of Wildlife.

The project includes a launch ramp, comfort station, access road, parking, and lighting. It was designed as a barrier-free facility, with special consideration given to handicap accessibility including, walkways, parking spaces, courtesy dock, and restroom facilities. Burgess & Niple prepared all the design documents and also provided construction contract administration and resident project representation services.

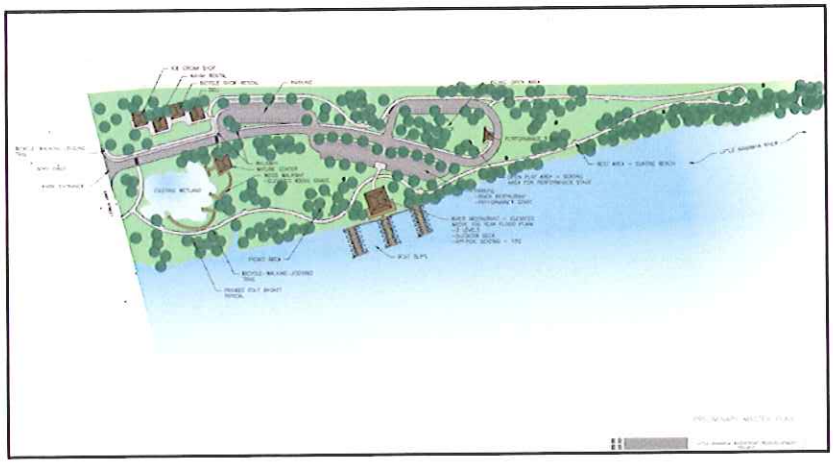
LITTLE KANAWHA RIVERFRONT PARK

CITY OF PARKERSBURG, WEST VIRGINIA

Burgess & Niple (B&N) was selected by the City of Parkersburg to assist in the redevelopment of a former industrial site along the Little Kanawha River in Parkersburg. B&N performed an environmental assessment of the eight-acre site, provided grant assistance and designed a concept master plan for the Little Kanawha Riverfront Park.

The resulting master plan outlines development for the site which includes a bike path connector and loop trail, boat ramp and dock, nature education center, wetland viewing platform and additional active and passive recreational facilities. Retail development also is suggested in the master plan.

B&N helped the City to obtain a USEPA brownfield assessment grant for Phase I and Phase II Environmental Site Assessments as part of the project. Environmental cleanup activities are currently underway.



OHIO RIVER - RACINE BOATING ACCESS

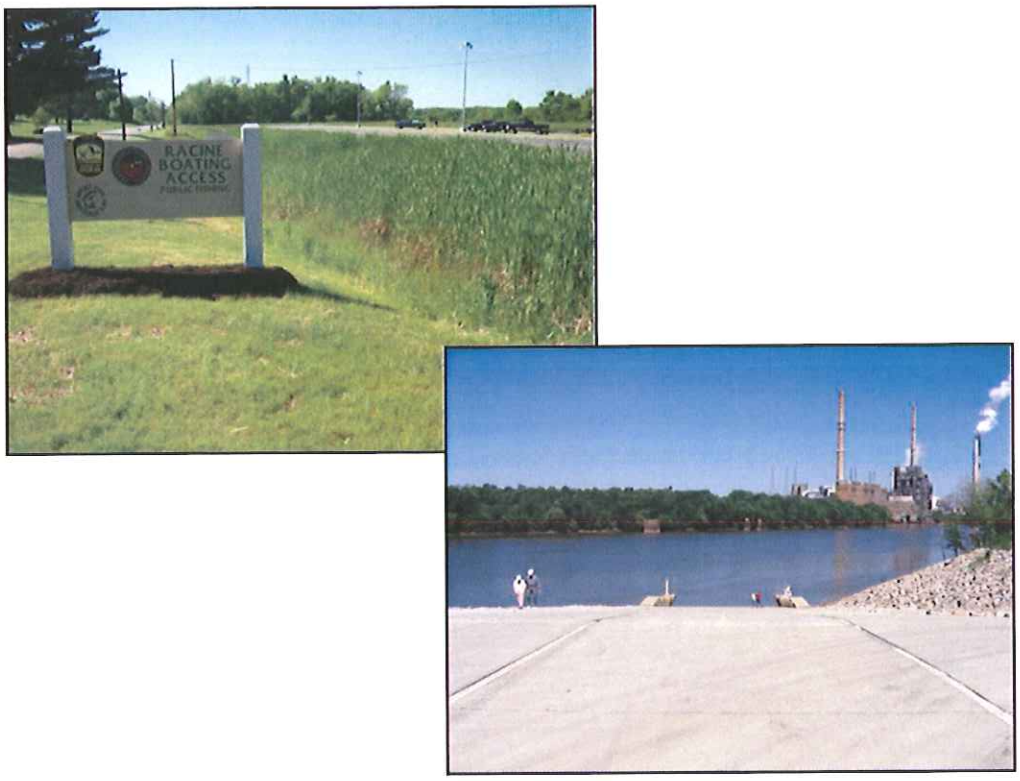
OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR)
RACINE, OHIO

Burgess & Niple, Inc. provided design, permitting, and construction services for the development of a three lane boating access ramp on the Ohio River in Racine, Ohio. The site design features include the following:

- Three boat launch lanes
- Two fixed courtesy docks
- ADA compliant access
- Design to accommodate significant river level fluctuations
- Parking facilities for 75 vehicles with trailers
- Constructed wetlands for storm water management
- Wildlife habitat restoration

In addition to the site design, B&N also was responsible for the Phase I, II, and III cultural resource management investigations of the site. As part of the investigation, the team uncovered artifacts dating as far back as 1520 B.C. The findings included fire cracked rock (from areas where it is believed fire pits were located), arrowheads, pottery fragments and ground/hammer stones.

Once the artifacts were discovered, the project team developed a Memorandum of Agreement with the State Historical Preservation Office (SHPO) and ODNR to establish mitigation requirements. In an effort to minimize costs through in-place preservation, the site design and ramp location were developed to avoid impacts on these cultural resources. This included locating the parking lot further from the river, aligning the ramp within a portion of the site containing minimal artifacts, and establishing habitat preservation within the area containing the highest concentration of artifacts.



OCCOQUAN BOAT RAMP AND SEA WALL

NORTHERN VIRGINIA REGIONAL PARK AUTHORITY
LORTON, VIRGINIA

Burgess & Niple (B&N) designed an extension to the existing boat ramp that we had previously designed for the Northern Virginia Regional Park Authority. The newly extended boat ramp now accommodates the launching of four boats simultaneously. The original project consisted of the design and construction of a poured-in-place, reinforced-concrete ramp on piles for the Occoquan Regional Park. Construction also included a visitor's center, a sea wall dock, a boat storage yard, a parking lot, ball fields, and a batting cage.

The geotechnical engineering issues related to this project were important because the silty material on the river bottom required dewatering techniques, coffer dam design, and pumping techniques to hold back the river during construction of the timber pilings used for the boat ramp's foundation. The B&N team supervised the removal of underwater sunken barges and structural debris in the boat landing area.

Services provided by B&N included:

- river soundings and geotechnical investigation
- demolishing an abandoned brick manufacturing facility
- clearing land of all unusable facilities
- inspecting concrete, soil, stone, asphalt, piles, sheet piles, and decking
- rehabilitating a barge landing, a storage building, an historical brick kiln, and a sea wall

RED BANK ROAD BOAT RAMP REHABILITATION

CITY OF COLUMBUS DIVISION OF WATER
HOOVER RESERVOIR
WESTERVILLE, OHIO

Burgess & Niple designed the original boat ramp facility at Red Bank Road on Hoover Reservoir which was constructed in 1980. The facility includes a large parking lot and traffic pattern that accommodates vehicles with boat trailers. The facility is lighted and the design work also included restroom facilities. Floating, removable docks were used in the original design to make the water accessible during variable pool conditions. The water level in the reservoir was raised since the original design, making parts of the facility inaccessible during normal operating pool.

B&N was retained to provide plans and specifications for raising the access drive and concrete abutments for the floating docks. In addition, a gabion seawall was constructed to protect boat staking areas adjacent to the boat ramp. B&N provided surveying during the design process, represented the owner during construction, and administered the construction contract.

Date: 1998
Time to complete: 2 months

CHILO LOCK #34 BOAT RAMP IMPROVEMENTS

CLERMONT COUNTY PARK DISTRICT
CHILO, OHIO

Prior to 2008, the Clermont County Park District's Chilo Lock #34 park provided boating access to the Ohio River through a single lane boat ramp, limited parking, and a small amount of courtesy dock. The ramp pavement was in need of replacement and had limited site distances for boat launching operations. Through an Ohio Department of Natural Resources grant and assistance from Burgess & Niple, Inc. (B&N), the Park District was able to improve these boating access facilities.

Improvements included in the B&N design, included expansion of the ramp to two lanes, approximately 225 feet of floating launch and courtesy dock space, a floating trash boom to deflect debris in the river away from the docks and ramp, and expansion of the facility parking lot to include 40 additional spaces for automobiles with trailers. The design included plans for future expansion of the docks to ultimately include another 100 feet of floating dock space.

In addition to the design services, B&N was also responsible for section 401/404 and stormwater permitting, bid assistance, and service s during construction.

WALNUT STREET BOAT RAMP REHABILITATION

CITY OF COLUMBUS DIVISION OF WATER
HOOVER RESERVOIR
WESTERVILLE, OHIO

Burgess & Niple designed the original boat ramp facility at Walnut Street on Hoover Reservoir which was constructed in 1980. The facility includes a parking lot and a traffic loop that accommodates vehicles with boat trailers. The facility is also lighted. Floating, removable docks were incorporated into the original design. The water level in the reservoir was raised since the original design, making parts of the facility inaccessible at normal operating pool.

B&N was retained to provide plans and specifications for raising the access drive and concrete abutments for the floating docks. In addition, sidewalk and concrete pavement on a portion of the ramp were replaced. B&N provided surveying during the design process, represented the owner during construction, and administered the construction contract.

Date: 1998
Time to complete: 2 months

RFQ No. DNR212041

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, limited 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: October 10, 2011

State of West Virginia

County of Wood, to-wit:

Taken, subscribed, and sworn to before me this 10th day of October, 2011.

My Commission expires May 4, 2015.

AFFIX SEAL HERE

NOTARY PUBLIC Janet K McClain

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