

# **BURGESS & NIPLÉ**

Engineers ■ Architects ■ Planners

Expression of Interest

## **Parking Garage Consulting Services**

Department of Administration

Purchasing Division

November 12, 2015



11/12/15 09:38:45  
GW Purchasing Division

**BURGESS & NIPLE**  
Engineers ■ Architects ■ Planners

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Department of Administration  
Purchasing Division  
2019 Washington Street East  
Charleston, WV 25305-0130  
Attention: Ms. Laura Hooper

Re: Expression of Interest  
Parking Garage Consulting Services

November 12, 2015

Dear Ms. Hooper:

Burgess & Niple, Inc. (B&N) is pleased to submit this Expression of Interest for the above-referenced project. Based upon our visit to the project site, the pre-bid meeting, and our understanding of the professional services needed, and our previous experience with similar projects, we believe that Burgess & Niple is well-suited to provide the engineering services that you need. We trust that upon review of this Expression of Interest, the Purchasing Division will find that we have the staff and qualifications necessary to inspect the parking garage on an annual basis and assist, if necessary, with preparing construction contract documents for repairs.

We greatly welcome the opportunity to provide professional services for the Purchasing Division on this important project. Please allow us the opportunity to further discuss our credentials and capabilities in an interview where we will demonstrate our ability to be a member of your successful project team.

Respectfully submitted,



R. Michael Hinton, PE  
Project Manager



Rodney D. Holbert, PE  
Principal & Vice President



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# 1. RESPONDENT INFORMATION

## CONTACT INFORMATION

The primary contact for the project will be:

Mr. R. Michael Hinton, PE  
Burgess & Niple, Inc.  
4424 Emerson Avenue  
Parkersburg, WV 26104  
Office Phone Number: (304) 485-8541  
Cell Phone Number: (304) 588-1405  
Facsimile Number: (304) 485-0238  
e-mail: [mike.hinton@burgessniple.com](mailto:mike.hinton@burgessniple.com)  
website: [burgessniple.com](http://burgessniple.com)

B&N employs personnel regionally and nationwide. Offices are located in Akron, Cincinnati, Columbus (Corporate Office), and Painesville, Ohio; Chantilly, Richmond, Virginia Beach, and Woodbridge, Virginia; *Parkersburg, West Virginia*; Louisville, Kentucky; Indianapolis, Indiana; Phoenix, Arizona; Orlando, Florida; Austin, Dallas, Fort Worth, Houston, and Midland, Texas.

## OVERVIEW OF FIRM

Burgess & Niple, Inc. (B&N) was established in 1912 in Columbus, Ohio and began providing services in West Virginia in the 1920s. Our firm has been continuously engaged in engineering projects for municipalities, government agencies, and private industries since its inception. Today, as one of the region's premiere engineering firms, B&N enjoys an outstanding reputation for quality work. We are innovative problem solvers with extensive resources and an award-winning track record.

B&N is a full-service engineering firm of more than 344 professionals that can provide planning, design and construction services on utility infrastructure, transportation, architectural, environmental, and land development projects. Our ability to provide a wide variety of technical services allows us to maintain design continuity without utilizing and coordinating the services of subconsultants.

The size and diversity of B&N's services can be measured by our inclusion in the *Engineering News Record (ENR)* list of the top 500 design firms in the United States. In 2015, *ENR* ranked B&N 159<sup>th</sup> based on 2014 total billings. Our solid standing on both lists is a reflection of the hard work and commitment to client satisfaction that our employees continually demonstrate. We are proud of our record of growth and accomplishments, and strive to provide close personal service to all of our clients.

## WEST VIRGINIA OFFICE LOCATION

*All work on your project will be managed by personnel in our Parkersburg Office.* Our Parkersburg Office has the staff and resources necessary to perform structural inspections and evaluations and to provide design and construction phase services associated with structures comprised of precast or cast-in-place concrete. Supplemental expertise will be drawn from our Ohio offices and Virginia Beach, Virginia office, if necessary. Furthermore, additional resources from these offices will be utilized if the State of West Virginia's General Services Division determines that an assessment of architectural, HVAC, or electrical components is necessary.





## 2. RELATED FIRM EXPERIENCE

On the most fundamental level, our job is responding to clients and translating their visions into completed facilities that meet expectations today and long into the future. We are innovative problem solvers with extensive knowledge, resources, and a solid and proven track record.

B&N is a full-service engineering firm that can provide planning, design, and construction services on many different types of improvement projects for the State of West Virginia's Purchasing Division and General Services Division ("Agency"). Our diverse staff includes professionals in engineering, architectural, landscape architecture, and scientific disciplines who are supported by experienced technicians, surveyors, drafters, construction representatives, and administrative staff. *Our ability to integrate engineering, surveying, utilities, environmental, and other project-essential services into one seamless team provides a distinct advantage to our clients.*

As a full-service engineering firm, we can serve as a single resource on projects that involve multiple services and provide you with consistency in the various elements comprising a project. B&N's in-house structural engineers, designers and support personnel will assist our project manager in providing a seamless team approach to completing the required tasks for the inspection, evaluation and design of parking garage improvements and the replacement of the fire station's floor slab.

B&N brings several distinct advantages to the State:

- A successful track record spanning more than 100 years;
- In-house resources and expertise in essential supplemental fields;
- A reputation for listening to clients and providing responsive, custom solutions;
- Attention to detail and unsurpassed dedication to quality; and
- A wide range of experience with concrete structures exposed to the environment, including parking garages and bridges.

### STRUCTURAL INSPECTIONS, EVALUATION AND DESIGN

Founded in the early 1900's, B&N began providing planning, design and construction services associated with water and wastewater facilities within Ohio and surrounding states. Some of our first projects involved the design and construction of treatment plants that included cast-in-place concrete structures for pumping, filtering and distributing potable water. Continuing through the 1900's and into the beginning of the 21<sup>st</sup> century, B&N transformed into a full-service engineering firm with multiple capabilities and a diverse staff that includes structural engineers and designers. Today, our structural engineering portfolio includes planning, design and forensic engineering of steel, wooden, masonry, and concrete structures including parking garages.

Our structural inspection, evaluation and design experience includes:

- Stadiums
- Bridges
- Office, institutional, and educational buildings
- Storage tanks
- Retaining walls
- Communication towers
- Platforms
- Foundations, including geotechnical analyses
- Drainage structures
- Parking garages
- Decks
- Piers

Our experience with structural components involving precast and cast-in-place concrete is very diverse. Our Project Manager, Mike Hinton, has experience in evaluating structural failures, designing repairs, and observing construction to provide assurance that the completed improvements meet client expectations.

The following pages provide the Agency with relevant examples of projects completed and client references.



## MUNICIPAL PARKING GARAGE REHABILITATION City of Athens, Ohio



In 2002 B&N performed a structural evaluation and life safety review for this six-story, 35-year old, municipal parking garage. The inspection and evaluation of the structure revealed the

need for structural concrete repairs, brick masonry façade repairs and installation of parapet railings. Significant floor and ceiling repairs were necessary as a result of salt intrusion into the exposed concrete decking.

Renovation included limited repairs to post tensioning members, exterior concrete, and masonry repairs. Railings and elevator improvements were included to address code and electrical deficiencies. Since the post tensioning tendons were generally in good condition, a urethane coating combined with a superior epoxy wear coating was applied to the decks to protect them from further water and salt intrusion. Poorly detailed joints and improper drainage conditions were repaired, too.

Repairs were performed while maintaining more than 50 percent use of the facility during construction.

In 2014, the City retained B&N to perform another evaluation of the garage. The purpose of this evaluation was to identify needed repairs resulting from an additional 10 years of use following the previous project and to develop options for replacing the existing elevator. The City tasked B&N with developing a prioritized list of improvements to assist with their evaluating financing and parking rate options. In 2015, B&N designed the improvements and assisted the City with obtaining bids and securing the services of a contractor. Construction work commenced in August 2015 and is ongoing today, which includes repair of post-tensioned tendons, deck drainage improvements, ceiling repairs, replacement of epoxy wear coating, and replacement and upgrades of elevator components. All work is scheduled to be complete mid-2016.

### **Key Features of Project:**

- Evaluation of existing post-tensioned concrete structure.
- Design and construction phase services.
- Inspected and evaluated structure twice during 45 years of continued use.
- Construction sequenced to accommodate limited continuous use of garage.

### **Personnel Involved in Project:**

- Mike Hinton, PE
- Austin Edman, PE
- Robbie Cameruca, PE

**Construction Cost:** \$2.0 million (2015 project)

**Project Start Date:** 2015 (current project)

**Project Completion Date:** Ongoing (current project)

**Reference:** Paula Moseley, Safety-Service Director  
City of Athens  
8 East Washington Street  
Athens, OH 45701  
Phone No.: (740) 592-3340  
e-mail: pmoseley@ci.athens.oh.us

## PRECAST CONCRETE DESIGN SERVICES Flexicore Systems, Inc.



In 1997, B&N began providing structural design services for this major precast concrete manufacturer. Services included design, detailing and associated

calculations for precast concrete, hollow-core plank systems that were incorporated into the construction of various types of buildings including hotels, motels, marinas, educational facilities, municipal buildings, and parking garages. Representative facilities included the Mt. Carmel Hospital Parking Garage, which is located in Columbus, Ohio.

### **Key Features of Project:**

- Precast concrete structural systems.
- Parking garages and other types of facilities.

### **Personnel Involved in Project:**

- Craig Galant, PE
- Alec Patton, PE

**Construction Cost:** Several multi-million dollar projects.

**Project Start Date:** Assignments commenced 1997

**Project Completion Date:** Last assignment 2002



**Reference:** *Dena Traina, PE*  
*Former Chief Engineer*  
*Flexicore Systems, Inc.\**  
*Phone No.: (209) 777-5227*  
*e-mail: Not available*

\* *Flexicore Systems is no longer in business. The reference above is a former employee who can attest to the services provided by B&N. Ms. Traina is currently employed as a Principal Engineer for the firm Provost & Pritchard Consulting Group, a California based engineering firm.*

**PRECAST, PRESTRESSED CONCRETE PEDESTRIAN BRIDGE**  
**City of Parkersburg, West Virginia**



B&N designed two pedestrian bridges for the City of Parkersburg in 2012.

The Worthington Creek Bridge consists of two 90-foot-long precast concrete box

beams supported by integral abutment on steel piling. The construction of the bridge was completed in 2013 and provides access to the Johnson T. Janes Park and Bird Sanctuary.

The Pond Run Bridge is currently awaiting funding and will be supported by the wingwalls of the floodwall outfall structure. This structure will connect the walking, jogging, and biking trail coming from the Point Park Riverfront Development along the Ohio River to destinations throughout the city.

**Key Features of Project:**

- Precast concrete box beams.
- Integral abutments.
- Modifications to existing outfall structure.

**Personnel Involved in Project:**

- Matthew W. Lewellyn, PE

**Construction Cost:** *N/A*

**Project Start Date:** *2012*

**Project Completion Date:** *2013*

**Reference:** *Justin B. Smith, PE, City Engineer*  
*City of Parkersburg*  
*One Government Square*  
*Parkersburg, WV 26102-1627*  
*Phone No.: (304) 424-8559*  
*e-mail: [jsmith@netassoc.net](mailto:jsmith@netassoc.net)*

**PARKING GARAGE ASSESSEMENT AND RENOVATION**

**St. Joseph's Hospital**  
**Parkersburg, West Virginia**



B&N performed a structural evaluation and life safety review of the four story 180,000 square-foot hospital parking garage at St. Joseph's Hospital. Extensive

destructive and nondestructive testing was performed to define the limits of deterioration including: concrete sounding, chloride ion sampling, chain drag surveys and concrete coring. After 27 years of exposure to salts, weathering and heavy use, many of the joints had deteriorated, allowing the post tensioned tendons on the top floor to corrode and fail.

B&N designed a plan to repair the decks and return the structure to full capacity. Much of the top decks was removed, reinforced and repaired. A protective flexible urethane coating was used to minimize water and salt intrusion into deck surfaces. Many floor beams and retaining walls required extensive repairs.

An unusual feature of the garage is its location benched into the hillside. This allows access from the top level to surface parking lots and hospital entrance. Unfortunately, expansion/contraction was neglected in the original design. Thermal expansion of the structure significantly damaged the ends of the building and required a sliding connection to allow horizontal movement. To protect the retaining wall from further movement or failure, a soil anchoring system was designed to reinforce the wall.

**Key Features of Project:**

- Evaluation of existing precast concrete structure.
- Design and construction phase services.
- Multi-phase construction project to accommodate off-street parking needs.

**Personnel Involved in Project:**

- Mike Hinton, PE

**Construction Cost:** *\$800,000*

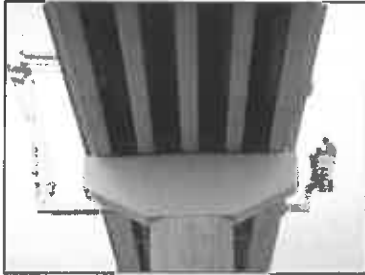
**Project Start Date:** *1999*

**Project Completion Date:** *2002*

**Reference:** *None. Hospital personnel involved in project have retired or obtained employment elsewhere.*



**INSPECTION & EVALUATIONS OF  
PRECAST CONCRETE STRUCTURES**  
U.S. Army Corps of Engineers  
Huntington District



B&N has inspected thousands of feet of precast structural members for the Huntington District since 1991 through annual contracts for routine structural inspections at various

project locations. These access structures serve dams, lakes, intakes, and recreational location throughout Ohio, West Virginia, and Kentucky. Bridge types range from pre-stressed concrete I-girders, pre-stressed box beams and pre-stressed slabs.

B&N inspectors combined mechanical access equipment with industrial rope access techniques to provide the most efficient hands-on inspection. This includes rappelling of hard to reach points and under-bridge inspections trucks on the precast spans. The reports include a summary of recommendations supported by photographs with noted deficiencies.

**Key Features of Project:**

- Precast box beam inspection.
- Precast I-girder inspection.
- Precast slab inspection.

**Personnel Involved in Project:**

- Matthew W. Lewellyn, PE
- Austin O. Edman, PE

**Construction Cost:** N/A

**Project Start Date:** 1997

**Project Completion Date:** 2013

**Reference:** Anna M. Hayes, PE  
US Army Corp of Engineers  
Huntington District  
402 Eighth Street  
Huntington, WV 25701-2070  
Phone: (304) 399-5562  
e-mail: anna.m.hayes@usace.army.mil

**CONCRETE BRIDGE REHABILITATION**  
U.S. Army Corps of Engineers  
Huntington District



B&N was retained by the U.S. Army Corps of Engineers, Huntington District to evaluate the condition, perform a load rating, and prepare rehabilitation plans for two

structures at Dillon Lake located northwest of Zanesville, Ohio. The Spillway Bridge is a two-lane, four-span structure with a total length of 306-ft. that carries traffic over an overflow spillway cut into the earth dam. The Access Bridge is a two-lane, three-span structure with a total length of 230-ft. that provides access to the dam intake structure.

Both structures were constructed in 1962. The box beam superstructures and parapets were in poor condition due to prolonged use of de-icing chemicals. B&N performed an in-depth inspection and load rating analysis of the existing structures. Since the majority of the substructures were in good condition, it was determined that the superstructures could be removed and replaced with new box beams made continuous for live load to eliminate joints over the pier. New steel railing with over-the-side drainage was proposed. Since the cap portions of the concrete t-type piers were in poor condition, the pier caps were removed and replaced in kind. Several utilities crossed both bridges in the existing barriers. The utilities were attached to plates suspended below the new steel railing at the fascia beams on the proposed construction.

Construction cost to rehabilitate both structures was estimated at \$1.1 million. The U.S. Army Corps of Engineers elected to proceed with rehabilitation of the bridges in two separate contracts due to budget constraints. Construction was completed on the Spillway Bridge in the spring of 2007. Construction was completed on the Access Bridge in the fall of 2009.

**Key Features of Project:**

- Evaluation and rating of precast structures.
- Rehabilitation of concrete substructures.
- Design of precast concrete box beams.

**Personnel Involved in Project:**

- Matthew W. Lewellyn, PE
- Austin O. Edman, PE

**Construction Cost:** \$1.1 Million





**Project Start Date:** 2006

**Project Completion Date:** 2009

**Reference:** Anna M. Hayes, PE  
US Army Corp of Engineers  
Huntington District  
402 Eighth Street  
Huntington, WV 25701-2070  
Phone: (304) 399-5562  
e-mail: anna.m.hayes@usace.army.mil

**GARAGE FLOOR REPAIRS**

**Beckley Sanitary Board  
Beckley, West Virginia**



**Before Rehabilitation**



**After Rehabilitation**

In 2012, the City of Beckley Sanitary Board retained the services of B&N to inspect and prepare plans and specifications for the replacement of the structural concrete slab supporting their maintenance garage. The building, which was constructed in the 1940's and initially served as a new car dealership, was divided into two segments to function as the Board's maintenance garage and office complex. As a result of poor drainage at the entrance into the garage, the bar joists supporting the concrete slab experienced significant deterioration. However, the portion of the floor slab beneath the office area remained in good

condition. B&N developed plans and construction sequencing to allow for the continuous occupation of the office areas while the garage floor was under construction.

**Key Features of Project:**

- Structural concrete floor slab replacement.
- Sequencing of work to maintain building occupancy.

**Personnel Involved in Project:**

- Mike Hinton, PE

**Construction Cost:** \$250,000

**Project Start Date:** 2012

**Project Completion Date:** 2013

**Reference:** Jeremiah Johnson, General Manager  
City of Beckley Sanitary Board  
301 South Heber Street  
Beckley, WV 25802-2494  
Phone No.: (304) 256-1760  
e-mail: jjohnson@beckleysanitaryboard.org

**BRIDGE INSPECTION**

**West Virginia Department of Transportation  
Mason, West Virginia**



B&N was retained to perform a six-year inspection contract for the Bridge of Honor beginning in 2013. The main river crossing is a three-span cable stay bridge of 1,163 feet which

carries U.S. Route 50 over the Ohio River. The overall length of the bridge is 1,755 feet. The approaches consist of continuous precast box beam and precast girder spans.

B&N inspectors combined mechanical access equipment with industrial rope access techniques to provide the most efficient hands-on inspection. This included rappelling the 240-foot tall A-frame towers; utilizing a UB60 truck to inspect the post-tensioned floor beams and precast approaches spans; and a 135-ft reach manlift to inspect the suspension cables. The report includes a summary of recommendations supported by element level data, structure drawings, and photographs with noted deficiencies.

**Key Features of Project:**

- Inspection of precast box beams.
- Inspection of precast I-girders.
- Inspection of post-tensioned floor beams.

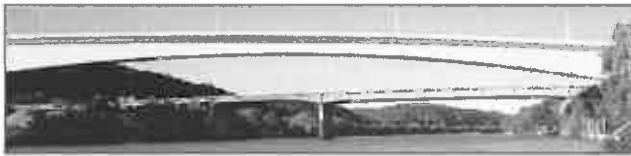
**Personnel Involved in Project:**

- Matthew W. Lewellyn, PE
- Austin O. Edman, PE

**Construction Cost:** N/A**Project Start Date:** April 2013**Project Completion Date:** Ongoing

**Reference:** Mr. William Varney, PE  
WV Department of Transportation  
Building 5, Room A-350  
1900 Kanawha Boulevard, East  
Charleston, WV 25305  
Phone: (304) 558-3775  
Fax: (304)  
e-mail: [william.h.varney@wv.gov](mailto:william.h.varney@wv.gov)

Mr. Tracy Brown, PE  
District 1 Bridge Engineer  
Phone: (304) 558-3775  
[Tracy.W.Brown@wv.gov](mailto:Tracy.W.Brown@wv.gov)

**INTERSTATE BRIDGE REHABILITATION**  
West Virginia Department of Transportation

WVDOT selected B&N to prepare renovation plans for the I-64 South Charleston – Dunbar Bridge, which is a 14-span, deep girder bridge over the Kanawha River.

With the new I-64 Eastbound Kanawha River Bridge in-place just downstream, the existing bridge was being converted to carry only the westbound lanes. The existing girders had many fatigue prone details and needed to be retrofitted at multiple locations.

B&N prepared bidding documents that identified two options for the bidders, which allowed the WVDOH to select the lowest cost option. Our creative use of photographs to detail repairs was well received by bidders, the contractor and WVDOH District construction personnel. The resetting of the rocker bearings included an innovative horizontal jacking plan to slide the rocker back to neutral position.

The scope of repairs included:

- Extensive Patching of the Substructures
- Epoxy Cracking Injection on the Substructures
- Fatigue Retrofits to the Girders
- Lower Lateral Gusset Plate Retrofits
- Jacking and Resetting of the Rocker Bearings
- Cracked Weld Repairs
- Fatigue Crack Propagation Holes
- Bolt Replacements
- Inspection Access Improvements

Engineering services included:

- Hands-on Condition Inspection
- Industrial Rope Access
- Field Marking Repair Areas
- Concrete Coring and Testing for Chloride Ion, Half Cell Potentials, and Carbon Infiltration
- 3-D Finite Element Model of the Curved Girders
- Transfer Diaphragms
- Preparation of Contract Plans and Specifications
- Shop Drawing Review & Submittal Review
- Consultation During Construction

**Key Features of Project:**

- Inspection of concrete substructures.
- Concrete coring and testing services.
- Design of extensive concrete repairs.

**Personnel Involved in Project:**

- Matthew W. Lewellyn, PE
- Austin O. Edman, PE

**Construction Cost:** \$9.5 Million**Project Start Date:** 2009**Project Completion Date:** 2011

**Reference:** Mr. William Varney, PE  
WV Department of Transportation  
Building 5, Room A-350  
1900 Kanawha Boulevard, East  
Charleston, WV 25305  
Phone: (304) 558-3775  
e-mail: [william.h.varney@wv.gov](mailto:william.h.varney@wv.gov)

Mr. Tracy Brown, PE  
District 1 Bridge Engineer  
Phone: (304) 558-3775  
[Tracy.W.Brown@wv.gov](mailto:Tracy.W.Brown@wv.gov)



## MUNICIPAL PARKING GARAGE REHABILITATION City of Painesville, Ohio



Beginning in 1988, B&N assisted the City by performing inspections, condition assessments and evaluations and preparing plans and specifications for various

improvements to this concrete parking garage. The structure, which is comprised of seven levels at 51,000 square feet per level, has been repaired several times during the past 26 years. Repairs have been triggered as a result of damages from the corrosive effects of salts and damages incurred by a fire. Repairs have encompassed girders, columns, decks, railing and ramps.

### ***Key Features of Project:***

- *Inspection of existing parking garage structure.*
- *Condition assessment and evaluations.*
- *Plans and specifications for several series of repairs.*

### ***Personnel Involved in Project:***

- *William Carlson, PE*
- *Mike Hinton, PE*
- *Alec Patton, PE*

***Construction Cost:*** \$25,000 to \$125,000 per project

***Project Start Date:*** 1988 (first project)

***Project Completion Date:*** 2009 (most recent project)

***Reference:*** Mr. Brian Belfiore, Public Service Director  
City of Painesville  
Public Service Dept.  
P.O. Box 601  
Painesville, OH 44077  
Phone: (440) 392-9598  
e-mail: [bbelfiore@painesville.com](mailto:bbelfiore@painesville.com)



### 3. INDIVIDUAL STAFF EXPERIENCE

#### EXPERIENCE OF KEY PERSONNEL

Having knowledgeable and experienced technical personnel is one of the keys to any successful project. B&N has assigned personnel who are available to perform the services necessary to successfully complete inspection, evaluation, design, and/or construction phase services associated with Building 13, Parking Garage. The key personnel comprising B&N's Project Team bring the specific experience and knowledge necessary to meet the anticipated challenges of your project.

<b>B&amp;N Personnel Experience Matrix</b>			Structural Inspection and Evaluations	Structural Design	Parking Garages
Employee	Years at B&N	Years' Experience			
Mike Hinton, PE	28	28	●	●	●
Matt Lewellyn, PE	18	18	●	●	●
Mark Bernhardt, PE	18	23	●	●	●
Austin Edman, PE	12	12	●	●	●
Craig Galant, PE	28	28	●	●	●
Robbie Cameruca, PE	30	30	●	●	●
Bill Hueber, AIA, NCARG	24	34	●	●	●
Alec Patton, PE	19	19	●	●	●
Bill Carlson, PE	39	39	●	●	●



## PROJECT MANAGEMENT & SUPPORT STAFF

Parking Garage Consulting Services will be provided to the Agency by a team of individuals with expertise, knowledge and experience necessary to assist you with planning, designing and constructing the required improvements. We have demonstrated our abilities locally and regionally by assisting our clients with the inspection, evaluation and design of existing cast-in-place and precast concrete structures including parking garages, maintenance garages and bridges. Allow us to now demonstrate our ability to assist the State with developing a cost effective approach to improving and maintaining these structures in order to ensure an appropriate useful life. The following team of individuals will manage your project to its successful completion.

### R. MICHAEL HINTON, PE PROJECT MANAGER



**Primary Function:** *Project Manager* responsible for leading all tasks associated with inspections, evaluations, and design. He will be the Agency's primary contact person.

**Registrations:** PE in West Virginia and Ohio

**Educational Background:** MS and BS in Civil Engineering from Akron University (1987).

**Related Experience:** Mr. Hinton joined Burgess & Niple in 1987 and he has completed numerous inspections, analyses, and designs of steel, concrete and wooden structures including above and below ground steel and concrete tanks, bridges, platforms, retaining walls, vaults, buildings, parking garages, and reservoirs. Representative projects include the recent replacement of the structural floor slab for the City of Beckley Sanitary Board and the 2003 and 2015 improvements to the City of Athens (Ohio) municipal parking garage. Mr. Hinton is a structural engineer assigned to our Parkersburg Office.

### MATTHEW W. LEWELLYN, PE, ASSOCIATE, CIVIL ENGINEER



**Primary Function:** *Support Staff* responsible for assisting Mr. Hinton with field inspections and structural evaluations.

**Registrations:** PE in West Virginia and Ohio

**Educational Background:** Executive MBA and BS in Civil Engineering from West Virginia University.

**Related Experience:** Mr. Lewellyn joined Burgess & Niple in 1997 and is a Project Manager in the Parkersburg office. He has served as project manager on various design, inspection, and analysis projects, including the design of a new interchange on Interstate 79 and the renovation of a 107-year-old cable suspension bridge over the Ohio River at Weirton, West Virginia. His experience includes the design of multiple-span girder and truss bridges. He is a certified NBI bridge inspection team leader and has served as team leader on more than 150 inspections including major bridges over the Ohio, New, and Kanawha Rivers. He has performed structural analyses on timber, concrete, and steel bridges. Mr. Lewellyn is a civil engineer assigned to our Parkersburg Office.

### MARK E. BERNHARDT, PE, PRINCIPAL CIVIL ENGINEER



**Primary Function:** *Support Staff* available to Mr. Hinton to provide advice and assistance with the evaluation of the parking garage structures.

**Registrations:** PE in Alaska, Arizona, Arkansas, Colorado, Florida, Louisiana, Montana, Nebraska, New York, Ohio, South Carolina, Texas, Utah and Virginia

**Educational Background:** BS in Civil Engineering from Purdue University (1991).

**Related Experience:** Mr. Bernhardt joined Burgess & Niple in 1997 and is Director of the Facility Inspection Section and is based in our Columbus, Ohio Office. In his present position he manages a staff of engineers who perform structural condition assessments of bridges, towers, dams, and buildings. Before joining B&N, Mr. Bernhardt gained experience performing



forensic structural inspections of various facilities nationwide. His professional work experience includes the following:

- Project management of large structural inspection projects
- Bridge inspection and load rating analysis
- Quality control/quality assurance reviews
- Performance of condition assessments of existing structures
- Structural evaluations in the wake of natural disasters such as fires, rock slides, hurricanes, and earthquakes
- Use of high-angle rope access techniques to inspect large buildings, dams, towers, and bridges
- Determination of the cause of structural failure
- Design of repairs for distressed and deteriorated structures

He has managed, reviewed, or performed more than 6,000 bridge inspections and 160 load ratings and climbed more than 100 bridges. Many of these inspections have utilized both destructive and nondestructive testing techniques to evaluate conditions. Mr. Bernhardt is a nationally recognized expert in the field of bridge inspection. He has testified before Congress on issues related to bridge safety and has authored a number of papers on bridge inspection. As a certified NBI Team Leader, he is experienced with AASHTO and FHWA inspection manuals, PONTIS, and the use of computer equipment and software for inspection and load rating. He is also a member of Ohio's FEMA Urban Search and Rescue Team in the position of Structural Specialist.

**AUSTIN O. EDMAN, PE, CIVIL ENGINEER**



**Primary Function:** Support Staff responsible for assisting Mr. Hinton with field inspections and structural evaluations.

**Registrations:** PE in West Virginia and Ohio

**Educational Background:** MS in Civil Engineering from The

University of Tennessee (2003) and BS in Civil Engineering from West Virginia University Institute of Technology (2001).

**Related Experience:** Mr. Edman joined Burgess & Niple in 2003 as a Civil Engineer in the Parkersburg office. His design experience covers a variety of bridge projects for WVDOT and other agencies. His project responsibilities typically include bridge design, plan preparation, bridge inspection, and report preparation. He is a certified NBI bridge inspection team leader and has served as team leader on more than 40 inspections including major bridges over the Ohio, New, and Kanawha Rivers. He is proficient in the use of engineering software, such as STAAD, Conspan, RCPIER, BARS, MDX, Midas, Hec-Ras, AutoCAD, and Microstation. Mr. Edman is a civil engineer assigned to our Parkersburg Office.

**ROBERTA J. CAMERUCA, PE, PRINCIPAL ELECTRICAL ENGINEER**



**Primary Function:** Electrical QA/QC. Ms. Cameruca will be responsible for quality assurance and quality control associated with the design of electrical and mechanical improvements, if the State determines that such services are necessary.

**Registrations:** PE in West Virginia, Arizona, Indiana, Kentucky, New Hampshire, Ohio and Virginia

**Educational Background:** BS in Electrical Engineering from The Ohio State University (1985).

**Related Experience:** Ms. Cameruca is Director of the Utilities Division in the Columbus Office. She has more than 30 years of electrical engineering and project management experience, serving previously as a principal in the firm of Robert H. Fuller & Associates, Inc. She currently coordinates staff activities with project needs, directing efforts to complete projects in a timely and efficient manner. She also provides electrical engineering support and project management control.

Ms. Cameruca's areas of expertise are energy conservation analysis and design, interior and exterior lighting design, elevator modernization, building and site power distribution systems, controls, telecommunication, fire alarm, UPS, power factor correction, cogeneration and conducting facility audits.

**CRAIG M. GALANT, PE, ASSOCIATE  
CIVIL ENGINEER**

**Primary Function:** Support Staff available to Mr. Hinton to provide advice and assistance with the evaluation of the parking garage structures.

**Registrations:** PE in Arizona, Ohio and Virginia

**Educational Background:** BS in Civil Engineering from The University of Cincinnati (1987)

**Related Experience:** Mr. Galant joined Burgess & Niple in 1987 and is an Associate and Project Manager. Mr. Galant manages a large team of architects, designers, mechanical and electrical engineers, and other support personnel for a wide variety of federal, military, and private industry projects. His experience includes oversight of design services for educational, municipal, and federal facilities; parking garages; steamline transmission systems; and office and industrial facilities. He manages the renovation of structures to accommodate installation of new mechanical systems, new building uses, revised floor plan layouts, and new expansion additions, as well as the rehabilitation and repair of existing steel, masonry, and concrete structures.

**BILL HUEBER, AIA, NCARB, ARCHITECT**

**Primary Function:** Support Staff available to Mr. Hinton in the event services are needed for architectural improvements to the fire station or the parking garages.

**Registrations:** RA in Indiana and Ohio

**Educational Background:** Bachelor of Architecture BS, Environmental Design from Ball State University (1981).

**Related Experience:** Mr. Hueber joined Burgess & Niple in 1991 and is an Architectural Supervisor in the Architectural Design Section in the Cincinnati office. He has 24 years of experience with B&N and 34 years of total experience. His experience includes work in all phases of architecture with a concentration in schematic design, design development, construction documents, specifications, and project administration.

**ALEC B. PATTON, PE, LEED® AP  
STRUCTURAL ENGINEER**

**Primary Function:** Support Staff available to Mr. Hinton to provide advice and assistance with the evaluation of the parking garage structures.

**Registrations:** PE in Ohio

**Educational Background:** MS in Civil Engineering from Case Western Reserve University (1996) and BS in Civil Engineering from the University of Toledo (1994).

**Related Experience:** Mr. Patton joined Burgess & Niple in 1996 and is an engineer in the Columbus Office's Structural/ Architectural Projects Section. His experience has included concrete, steel, timber, and masonry design for such structures as educational institutions, municipal, manufacturing, and commercial facilities, parking garages, as well as office buildings.

**WILLIAM A. CARLSON, PE  
CIVIL ENGINEER**

**Primary Function:** Support Staff available to Mr. Hinton to provide advice and assistance with the evaluation of the parking garage structures.

**Registrations:** PE in Ohio

**Educational Background:** BS in Civil Engineering from Ohio Northern University (1976)

**Related Experience:** Mr. Carlson joined Burgess & Niple in 1976 and is a civil engineer in the firm's Painesville Office. Mr. Carlson has been responsible for plans and specifications for new buildings and those necessary to repair buildings; inspection reports to assess a structure's physical condition and present recommendations for repair; and modifications to existing buildings for changes in use. His project experience has involved school buildings, municipal buildings, parking garages, manufacturing facilities, warehouses, and buildings at water and wastewater treatment plants. Among his projects are the inspection of school buildings following an earthquake, and modifications to convert a warehouse to a manufacturing area to house presses.



## 4. PROJECT APPROACH

Based upon the information available to B&N to-date and our experience with similar project assignments, it is anticipated that the Scope of Professional Services could involve the following:

- I. Obtaining and reviewing the following documents:
  - A. Reports of previous inspection(s).
  - B. Plans and shop drawings of the parking garage, including those associated with the original construction and previous repairs.
- II. Meeting with Agency personnel to:
  - A. Discuss history of garage repairs and problems along with current issues and concerns.
  - B. Perform a walkthrough to assess the concerns and previous report comments and recommendations.
  - C. Prepare an inspection plan with field documents to efficiently record field observations and document areas of concern or deficiencies.
  - D. Prepare a site safety plan for inspection access including industrial rope access, ladders and mechanical lifts or other necessary equipment.
- III. Visiting the site with a team of engineers and technicians to:
  - A. Visually observe and assess the condition of components that are relevant to the structural integrity of the garage. These components will include concrete beams and columns, deck slab members, and joints. Conditions of the deck coating system and drainage system will also be assessed.
  - B. Perform soundings of suspect concrete beams, decks, and columns to identify locations of structural and surface deficiencies. Areas requiring repair will be identified, types of repairs recommended, and the extent of repairs quantified.
- IV. Preparing a report summarizing the results of the site visit. The report will include a summary of the condition of garage components, deficiencies observed (including photographs) and recommendations regarding repairs, if determined necessary. Depending upon the results of observed deficiencies, the report may include recommendations for further testing and evaluations. Prior to finalizing the report, B&N will meet with the Agency to present the preliminary estimates of costs of recommended improvements. If requested by the Agency, B&N will:
  - A. Develop a prioritized list and schedule of recommended improvements.
  - B. Advise the Agency regarding the recommended frequency of future inspections, which may include all or part of the garage.
  - C. Prepare a schedule of routine maintenance and observations that could be self-performed by the Agency.
- V. Preparing plans and specifications for recommended improvements to repair garage components. B&N can provide construction services for repair and improvement projects that may include Bidding services, evaluations and award of Bids, and field inspection services during construction.
- VI. Assisting the Agency with preparing a contract for annual maintenance activities associated with garage components that require routine attention.



**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: GSD1600000006**

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

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

**Addendum Numbers Received:**

(Check the box next to each addendum received)

<input checked="" type="checkbox"/> Addendum No. 1	<input type="checkbox"/> Addendum No. 6
<input checked="" type="checkbox"/> Addendum No. 2	<input type="checkbox"/> Addendum No. 7
<input checked="" type="checkbox"/> Addendum No. 3	<input type="checkbox"/> Addendum No. 8
<input type="checkbox"/> Addendum No. 4	<input type="checkbox"/> Addendum No. 9
<input type="checkbox"/> Addendum No. 5	<input type="checkbox"/> Addendum No. 10

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

Burgess & Niple, Inc.

Company



Authorized Signature

November 5, 2015

Date

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

Revised 6/8/2012

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

**MANDATE:** Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

**EXCEPTION:** The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

**DEFINITIONS:**

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §§1-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: Burgess & Niple, Inc.

Authorized Signature: Rodney D. Holbert Date: November 5, 2015

State of West Virginia

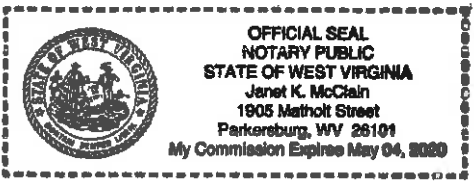
County of Woods to-wit:

Taken, subscribed, and sworn to before me this 5th day of November, 2015

My Commission expires May 4, 2020

AFFIX SEAL HERE

NOTARY PUBLIC Janet K. McClain  
Purchasing Affidavit (Revised 07/01/2012)



**CERTIFICATION AND SIGNATURE PAGE**

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Burgess & Niple, Inc.

(Company)

Rodney D. Holbert Rodney D. Holbert Vice-President  
(Authorized Signature) (Representative Name, Title)

304-485-8541 304-485-0238 11/5/2015  
(Phone Number) (Fax Number) (Date)

# **BURGESS & NIPLE**

Engineers ■ Architects ■ Planners

4424 Emerson Ave  
Parkersburg, WV 26104  
304.485.8541

[burgessniple.com](http://burgessniple.com)