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## Header

List View

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Procurement Folder: 184203

Procurement Type: Central Contract - Fixed Amt

Vendor ID: 000000205209 

Legal Name: L A GATES CO

Alias/DBA:

Total Bid: \$0.00

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Solicitation Description: Addendum No. 3-Responses attached and extend the bid opening 

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Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

**State of West Virginia  
 Solicitation Response**

**Proc Folder :** 184203

**Solicitation Description :** Addendum No. 3-Responses attached and extend the bid opening

**Proc Type :** Central Contract - Fixed Amt

Date issued	Solicitation Closes	Solicitation No	Version
	2016-03-09 13:30:00	SR 0606 ESR03071600000004101	1

VENDOR
000000205209 L A GATES CO

**FOR INFORMATION CONTACT THE BUYER**  
 Tara Lyle  
 (304) 558-2544  
 tara.l.lyle@wv.gov

**Signature X** **FEIN #** **DATE**

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Professional engineering services				

Comm Code	Manufacturer	Specification	Model #
81100000			

<b>Extended Description :</b>	Professional engineering services
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**EXPRESSION OF INTEREST**

**Homeland Security and Emergency Management  
Professional Engineering Services**

**RIVERINE FLOOD HAZARD ANALYSIS  
AND MAPPING SERVICES**



**March 7, 2016**

**PREPARED FOR:**

**Bid Clerk  
Department of Administration  
Purchasing Division  
2019 Washington St, E  
Charleston, WV 25305**

**FROM:**

**L. A. Gates Company  
2302 South Fayette Street  
Beckley, WV 25801  
(304) 256-1640**



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## **APPENDIX**

- A. Resumes
- B. Relevant Project Experience
- C. Subconsultants
- D. Certificates and Licensure

## 1. Professional Qualifications of the Required Services

L. A. Gates Company (Gates) is a multi-disciplined team of engineers, designers, technicians, CADD operators, surveyors, and construction managers that have continually met and exceeded the expectations of clients for the past 26 years. Gates staff of 38 includes 7 licensed engineers, all licensed in West Virginia. The five key employees who would work on this type of project have a combined 133 years of experience working on highway, bridge and hydraulic projects with an average of 26 years of experience amongst the individuals. For a more detailed look at the experience and qualifications of the engineers and the support staff, please refer to the attached Resumes. *(See Appendix A for detailed Resumes)*



All work done on all such projects will be overseen by Jay Cantley, P.E., P.S. Jay is the Executive Vice President and Chief Operating Officer of Gates working out of the company's main office in Beckley, WV. Jay has overseen the project management of over 60 projects that had a total construction cost of over \$270 million in the past 24 years and he currently oversees all Engineering Design performed at Gates.

Gates has teamed with [Allegheny Services, Inc.](#) for any surveying should it be required. *(See Appendix C for more in-depth information on Allegheny Services, Inc.)*



With our ability to provide an experienced staff of qualified engineers and technicians along with the surveying expertise of Allegheny Services, Inc., the Gates team stands ready to provide riverine flood hazard analysis and mapping services for the State of West Virginia on an as needed basis.

## 2. Specialized Experience and Technical Competence

L. A. Gates has performed hydraulic analysis on over 30 bridge projects and other projects including floodplain analysis, two-dimensional flow studies, backwater determinations and hydraulic modeling. Below is a representative list of the many projects Gates has designed which involved significant hydraulic analysis:



### **Project Experience**

*South Branch of the Potomac, Hampshire County*

- *Bluestone Hydro-Electric Power 2D Flow Analysis, Summers County, WV*

- *South Branch Potomac River Railroad Erosion, Hampshire, County, WV*
- *Yon-Peraldo Memorial Bridge, Mercer County, WV*
- *Henlawson Bridge, Logan County*
- *South Mineral Wells Interchange, Wood County, WV*
- *Stollings-Logan Road Bridges, Logan County, WV*
- *Bruno Bridge, Logan County, WV*

*(See Appendix B, Relevant Project Experience, for in-depth descriptions.)*

### **Product Quality Control**

L.A. Gates has an experienced staff which will provide in-house QA/QC for all work. All work is peer reviewed at various stages throughout project development to assure all quality requirements are fulfilled.

### **3. Capacity Considerations**

#### **Staffing Plan**

Gates presently has a staff of 38 that are eager to work on any immediate project. Gates prides itself on delivering a quality product in a timely manner and has assembled the following core project team. These team members encompass a wide variety of professional skills including:

- *Hydraulic Modeling*
- *Highway/Bridge Design*
- *Civil/Structural Engineering*
- *Cost Estimating*
- *Construction Administration and Inspection*
- *Computer Drafting*
- *Surveying*

#### **Personnel Qualifications**

The following individuals are the key personnel available to begin working immediately upon notice to proceed *(See Appendix A for detailed Resumes and Appendix D for Certificates and Licensure)*:

**L. A. Gates, P.E. & P.S., President and CEO**, will work with the Homeland Security and Emergency Management on all contractual matters. Mr. Gates has more than 43 years of experience in the administration and management of an engineering



*consulting firm and is a licensed professional engineer in West Virginia and Colorado.*

**Jerry (Jay) W. Cantley, Jr., P.E. & P.S., Executive Vice President**, will function as *Principal-in-Charge of all work. Jay is a graduate of West Virginia Institute of Technology and has more than 28 years of experience in highway design, civil engineering projects and design of municipal water and wastewater systems. Jay is a licensed professional engineer in Virginia and West Virginia and a licensed surveyor in West Virginia. He has been involved in virtually all roadway and bridge projects, including relevant drainage design that Gates has done over the last 24 years, working on over 60 WVDOH projects. He has served as the project manager for all of Gate's Highway Department for the past decade. Currently he is involved in the design of the Breeden Bridge in Mingo County as well as the Mileground-Airport Road project in Monongalia County.*

**Brian M. Bair, P.E.**, is the *lead Structural Engineer and provides structural design expertise as well as the project management for the Structures group. Brian has over 18 years of experience almost exclusively on the design of 25 WVDOH bridge projects. In addition to the structural design, Brian is also experienced in bridge hydraulics, HEC-RAS modeling, USCOE 404 permitting, and Causeway analysis. Brian is a graduate of West Virginia Institute of Technology and is a licensed professional engineer in West Virginia and Virginia. Currently he is involved in the design of Big Rock, Kirk Thru Truss and Breeden Bridges in Mingo County.*

**Amelia (Amy) McClure, P.E.**, is a *part-time hourly employee who has over 17 years of experience in structural engineering, bridge design and hydraulic engineering. Amy specializes in bridge hydraulics, HEC-RAS modeling, and USCOE 404 permitting. Amy is a graduate of West Virginia Institute of Technology with a Bachelor of Science degree in Civil Engineering and also earned a Master of Science degree in Engineering from Marshall University. Amy is a licensed professional engineer in West Virginia and Virginia. Amy assists with the design and review of structural plans, performs hydraulic studies and provides QA/QC for the structures group.*

**Rob Rector** *assists with the design and plan production of all bridge plans. Rob is a graduate of West Virginia Institute of Technology with an Associate of Science degree in Engineering Technology. Rob has over 27 years of experience in CAD drafting, including Civil 3D, and the preparation of contract plans. Rob is the lead Structural Cad Technician who is experienced in the coordination and preparation of structural plans, performing quantity take-off and overall plan quality control.*

#### **4. Proposed Project Plan**

This project is for the development of enhanced approximate 1% annual

chance (Zone A) floodplains on the Federal Emergency Management Agency's Flood Insurance Rate Maps and/or in areas without mapped flood risks.

The agency's goal is to create a comprehensive flood risk map program including, but not limited to: Hydrologic and hydraulic modeling; Floodplain identification and mapping; DFIRM development; Flood risk assessment and communication; Data management; Topographic data development; Hazard mitigation planning; and Community outreach.

The general project plan is:

- To acquire and utilize preliminary base map information as well as the best available digital aerial photography for the specific West Virginia counties.
- To obtain and utilize the most accurate and up-to-date topographic data for the WV area of study to support the update floodplain analysis.
- All approximate streamlines to be studied shall be developed using a combination of the best available ortho-photography and elevation data. Approximate streamlines will be projected in West Virginia Plane State coordinate system.
- Include with proposal the updated S\_WTR\_LN layer for new studies of approximate streams for inclusion into FEMA's existing Digital Flood Insurance Rate Map database.

## **5. Past Performance with Government Agencies and Private Industry**

L.A. Gates prides itself on being a small West Virginia firm that can compete with the larger national consulting firms. Throughout the years, Gates has continued to provide both private and government clients with quality work at a reasonable cost. The costs are controlled by closely monitoring the efficiency of the work being done by the senior staff and also by closely scrutinizing the budget constraints and billability of each department.

The quality of Gates' work and its compliance with requirements and schedules is best measured by how well Gates has met the expectations of its repeat clients. Gates has consistently exceeded the expectations of its largest client, the Highway Department, and has been fortunate enough to be either a finalist or a winner of the Highway Department's Engineering Excellence Award 19 times over the last 15 years. Most recently Gates won the Engineering Excellence Award for the 2014 Small Bridge Category for the Henlawson Thru Truss bridge project.

For many years Gates' primary focus was on Government Infrastructure work with an emphasis on Highway/Bridge projects. However, starting in 2007 Gates

assumed a new posture and diversified into the private industry by developing consulting services for the Mining Industry and Natural Gas Transmission and Distribution. In the last four years the staff for the Natural Gas Division has increased from one individual to 22. Gates has carried over the same measure of quality and excellence to these industries that it has brought to the infrastructure projects.

#### **6. Location of the Office**

If selected, all work done on any of the advertised projects will be done at the Beckley Office of L.A. Gates Company located at 2302 South Fayette Street. In addition, all engineering work performed by Gates will be done by tax paying residents of West Virginia.



*L.A. Gates Company, Beckley WV*

#### **7. Location in the Geographical Area & Project Knowledge**

Gates has worked in virtually all corners of the state from the Northern and Eastern Panhandles to the Southern Coalfields. Gates has worked on projects in 22 of West Virginia's 55 counties and is very experienced at working in all parts of West Virginia.

Gates has a group of Engineers, Designers, Technicians and Surveyors who have spent most of their careers designing and developing projects that meet client needs in both the public and private sector.

#### **8. Subconsultants**

**Allegheny Surveys, Inc.**

All surveying and topographic data development will be done by **Allegheny Surveys, Inc.** Allegheny Surveys is a West Virginia based surveying company, licensed in seven states. Established in 1988, the firm specializes in large boundary surveys, underground and surface mine surveys, construction surveys and topographic surveying and they have become a leader in GPS technology. Led by

an experienced staff, Allegheny Surveys provides high quality services to a variety of clients in both private industry and government sectors.

The following individuals are the key personnel available to begin working immediately upon notice to proceed (*See Appendix C for additional information on Allegheny Surveys including detailed resumes*):

**David W. King, P.S.**, is the Senior Survey manager for the Alum Creek, WV, Branch Office and manages all projects and personnel for that office. The types of projects performed at this office include, but are not limited to, the following: GPS, boundary, construction stakeout, proposed Oil & Gas well permits, Elevation Certificates, LOMA applications and topographic surveys. Mr. King is responsible for providing project management services including scheduling, client contact, preparation of proposals and contracts, survey calculations, boundary line retracement and resolution, plat preparation, quality control review of survey plans, plats and documents, field supervision, and inspection of construction projects.

**Bradley D. Miller, P.S.**, has 19 years of experience in surveying including GPS, boundary, construction stakeout and topographic surveys. He has worked on several projects that consisted of control, topographic and alignment surveys for proposed or realigned roads which also included stream profiles and cross sections for bridge designs.

**Damon L. Wilkewitz, P.S.**, has extensive experience in construction, site development and boundary surveys. He also has extensive experience in CAD and survey software applications. He has worked on numerous large construction projects and is proficient in the preparation of topographic maps, profile and cross section sheets and construction and route plan sheet alignments. Since March 2011, he has been managing the work with ASI's 3D laser scanning. He has now completed over 200 laser scan surveys for the natural gas, coal (surface and underground), dam monitoring, and corporate and government infrastructure industries. He also has performed 3D modeling for natural gas plants and underground mining.

**Stacey O. Brown, P.S., P.L.S.**, has over 23 years of experience in the surveying profession. As a Project Manager, his experience includes boundary, topographic, site development, stream mitigation and construction stakeout surveys. As the Mapping Manager of the Birch River, WV office, Mr. Brown supervises the CAD and GIS Departments. He also has broad experience using AutoCAD and Carlson software in preparing boundary plats, topographic mapping, site plans and preparing stakeout data. Mr. Brown also has extensive experience performing GNSS Static and RTK surveys and processing GNSS, Conventional and Digital Level Data using Trimble Business Center software.

**Karen K. Brill, P.S.**, has over thirty years of broad and varied experience in surveying and project management. She is experienced in difficult boundary retracements, city lot surveying, subdivisions, site plan, control surveys, topographic mapping, ALTA Land Title Surveys, and has performed many elevation certificates and LOMA requests from FEMA. Ms. Brill is a registered e-LOMA surveyor. Ms. Brill was awarded "Surveyor of the Year" in 2006 by the WV Society of Professional Surveyors. She is a member of the National Society of Professional Surveyors, and the Surveyor's Historical Society.

Gates and Allegheny Surveys have teamed together on over several projects over the years. Allegheny Surveys currently has 60+ employees in four offices with fifteen Professional Surveyors and the capacity to field fifteen crews.

#### **9. Cost Accounting System**

L. A. Gates Company utilizes the Ajera Financial Management Systems for its cost accounting software. The Ajera accounting software is specifically designed for use by professional consulting Architectural/Engineering firms. The software has been maintained and is capable of segregating and identifying the accumulated cost for each job performed under cost-plus type contracts by separating the projects by project number and by unique phase and task charge codes.

To accomplish an accurate accounting of each project, project managers have the primary responsibility of tracking each project by making sure that each project has a unique project number and unique phase and task charge codes that correspond to the fees negotiated with clients for each project. In addition, each week the project managers are required to sign and approve all time sheets within their department and verify that all time charged to each project is correct and charged to the appropriate phase and task. With report printouts generated by the Ajera software, project managers can also obtain detailed reports of each phase and task to review the budget status of each specific work item being tracked. By obtaining budget reports, project managers can easily identify areas where the tasks are not being completed in a cost effective manner and take corrective measure to get the project back on budget.

#### **10. Certificates of Authorization**

L. A. Gates Company holds a valid "Certificate of Authorization" from the West Virginia Board of Professional Engineers, (COA No. C00621-00) valid from 1/01/16 – 12/31/17 and from the Board of Professional Surveyors (COA No. 15-5264) valid from 1/01/16 to 12/31/16. Photocopies of the Certificates of Authorization are included in Appendix D.

# RESUMES

## APPENDIX A



**L.A. Gates, P.E., P.S.**  
**President and CEO**  
**43 Years Experience**

**EDUCATION:**

Colorado School of Mines, B.S. Degree in  
Mining Engineering, 1978  
B.S., Business Administration, 1972

**REGISTRATION:**

Professional Engineer  
West Virginia  
Colorado

**MEMBERSHIPS:**

Society of Mining Engineers of AIME  
National Society of Professional Engineers  
King Coal Club

**SPECIALTIES:**

- Project and contract management
- Personnel management
- Business management
- Surface and underground mine operation and development
- Mine feasibility studies
- Mine planning & design
- Coal reserve studies
- Methods and cost studies for economic evaluation (capital and operating)
- Property evaluations and financial considerations
- Coal quality analysis relative to fusion temperatures
- Investigations relative to operating cost escalation



**EXPERIENCE:**

**1984 – Present**

Established L. A. Gates Company (1984) for the purpose of providing professional engineering services of the highest ethical caliber to the local and State community. Responsible for overall technical review of all Gates' projects which include design of roads, collection ponds, dams, bridges, water systems, site developments and other structures for the mining and civil industry, government and commercial clients.

During the past twenty years, I have been involved with several significant projects in the state of West Virginia from conception to development, then, completion of the project. Recently Gates' firm was instrumental in completing the design and construction monitoring of the \$124M dollars Clay Center in Charleston, WV. The Clay Center is a performing arts center, science museum and fine art gallery. This project required overall supervision of 18 sub-consultants.

Our firm will be providing civil and structural services for a hydro-electric project near Hinton, WV. The total value of this project is \$75M dollars. This project requires special legislation from Congress, which has involved a great deal of effort on my part. I believe that engineering firms must be active in the community and involved in the development of new projects from the beginning.

**1978 - 1984**

Gates Engineering Company; Beckley, West Virginia. Involved as project engineer and project manager for all types of mining projects. Experience includes mine design and planning for underground and surface mines. These activities included the design of roads, diversion ditches, settling ponds, erosion control, reclamation, impoundments and other surface facilities. In addition to design, experience has included reserve studies, feasibility studies, economic analysis and litigation.

**1975 - 1978**

While attending the Colorado School of Mines, worked in Gates' Denver office as a Mining Technician. Responsible for mining consulting projects and part-time administrative services.

**1972 - 1975**

Assistant to the President, Gates Engineering Company; Beckley, WV. Responsible for the accounting, personnel, marketing and contract functions. This position required involvement in all phases of the organization and served as the communication center of the firm.

**Jerry (Jay) W. Cantley, Jr., P.E.,  
P.S.**

**Executive Vice President  
28 Years Experience**

**EDUCATION:**

West Virginia Institute of Technology, B.S. Civil  
Engineering, 1987

**REGISTRATION:**

Professional Engineer

West Virginia # [REDACTED]

Virginia [REDACTED]

Professional Surveyor

West Virginia [REDACTED]

**MEMBERSHIPS:**

Tau Beta Pi - Alpha Chi Chapter  
President Elect – ACEC WV  
West Virginians for Better Transportation

**SPECIALTIES:**

- Project Management
- Roadway Design and Plan Production
- Stormwater System Design
- R/W Plan Development
- Sediment & Erosion Control Design
- Project Quality Control
- Construction Coordination
- Surveying
- Water and Wastewater Design
- Contract Administration



**L.A. Gates Company**  
Engineers & Consultants

Jay has over 28 years of experience on a wide variety of civil engineering projects. His projects include work on transportation, water and sewer, site development and environmental projects. He has worked for L.A. Gates Company for the past 24 years starting as a design Engineer in 1991. Since 2005, Jay has been promoted to Executive Vice President and Chief Operating Officer and is the principal in charge of all Engineering Design. Jay oversees and manages all work done at L.A. Gates Company. In Jay's 28 years of experience he has managed over 60 roadway and bridge projects, 20 water and sewer projects and 50 civil/site projects. Jay's strongest skill set include; Project Management, Highway Design, and Stormwater Systems Design. Jay currently directs a staff of 38 engineers, technicians, inspectors and surveyors, who design and prepare plans for projects involving bridges, highways, and natural gas.

In recent years Jay has oversaw the design of some of Gates most notable Highway projects including 4 miles of the East Beckley Bypass and 5 miles of the Coalfields Expressway.

**REPRESENTATIVE PROJECTS:**

Highway

- *Allen Creek – Big Ridge (Coalfields Expressway), Raleigh County, WV*
- *East Beckley Bypass, Raleigh County, WV*
- *Slab Fork – Surveyor Creek (Coalfields Expressway), Raleigh County, WV*
- *Stollings-Logan Road, Logan County, WV*
- *White Sulphur Springs Interchange, Greenbrier County, WV*
- *Hurricane Creek Road + 1, Putnam County, WV*
- *Kanawha Street Improvements, Raleigh County, WV*

Bridges

- *State Fair Pedestrian Underpass, Greenbrier County, WV*
- *Henlawson Thru Truss Bridge, Logan County*
- *South Mineral Wells Interchange, Wood County, WV*
- *Bradshaw Bridge, McDowell County, WV*
- *Clear Fork Arch No. 1 Bridge, Wyoming County*
- *Petry Bottom Bridge, Raleigh County, WV*
- *Huff Creek Bridge, Wyoming County, WV*
- *Petry Bottom Bridge, Raleigh County, WV*
- *Bruno Bridge, Logan County, WV*
- *Grafton HS Arch Bridge, Taylor County, WV*
- *Main Street Bridget, Wetzel County, WV*
- *Greenbrier Avenue Bridge, Greenbrier County, WV*
- *Shepherd Bridge, Marshall County, WV*
- *Cranberry Creek Bridge, Raleigh County, WV*
- *Russellville Bridge Replacement, Greenbrier County, WV*
- *Airport Bridge Replacement, Greenbrier County, WV*
- *Muddy Creek Bridge Replacement, Greenbrier County, WV*



**Jerry (Jay) W. Cantley, Jr., P.E.,  
P.S.**

**Executive Vice President**

**28 Years Experience**

*- Continued -*

- *Stollings-Logan Road Bridges, Logan County, WV*
- *Clearfork Coatings Bridge, Wyoming County, WV*
- *Camden on Gauley Truss Bridge Replacement, Webster County, WV*
- *Switzer Monty Brothers Bridge Replacement, Logan County, WV*
- *Roach Truss Bridge Replacement, Cabell County, WV*
- *Stringtown Bridge, Hampshire County, WV*
- *Mill Road Bridge, Hardy County, WV*
- *Steinbeck Bridge Replacement, Roane County, WV*
- *Diana Bridge Replacement, Webster County, WV*
- *Little Hurricane Creek Bridge #1813, Putnam County, WV*
- *James Branch Bridge # 4003, Boone County, WV*
- *Cazy Bridge, #4404, Boone County, WV*
- *Rock Lick Bridge, Boone County, WV*

#### Water and Sewer Design

- *SSPSD Cool Ridge/Flat Top WWTP Improvements*
- *Water System Improvements for Pocahontas County High School, Pocahontas County, WV*
- *SSPSD Ward Park Sewer Line Improvements*
- *SSPSD Mont Phillips Road Extension*
- *SSPSD Lamplighter Road Extension*
- *SSPSD Sky Line Drive Extension*
- *Georgia Pacific OSB Plant Water and Sewer Line Extensions*
- *Treatment Plant for Twin Falls State Park, Wyoming County, WV*
- *Treatment Plant for Pipestem State Park, Mercer County, WV*
- *Treatment Plant and Collection System for Babcock State Park, Fayette County, WV*
- *Treatment Plant and Collection System for Watoga State Park, Pocahontas County, WV*
- *Treatment Plant and Collection System for Bluestone State Park, Summers County, WV*

#### Site Development

- *Somar Telecommunications, Raleigh County, WV*
- *CWV Residence Halls, Raleigh County, WV*
- *Springwood Subdivision Roanoke County, Virginia*
- *Limestone Woods Subdivision Greenbrier County, WV*
- *Anthony Woods Subdivision Greenbrier County, WV*
- *Tealwood Subdivision York County, South Carolina*



**L.A. Gates Company**  
**Engineers & Consultants**

**Brian M. Bair, P.E.**  
**Lead Structural Engineer**  
**18 Years Experience**

**EDUCATION:**

West Virginia Institute of Technology, B.S. Civil Engineering, December 1997

**REGISTRATION:**

Professional Engineer

West Virginia

Virginia

**MEMBERSHIPS:**

Tau Beta Pi

**SPECIALTIES:**

- Span arrangements and TS&I submittals for WVDOH projects
- Final bridge design (steel and concrete)
- Bridge hydraulics & hydraulics for flood analysis, HEC-RAS modeling
- Permitting necessary for bridges (causeway, cofferdam, and temporary bridge hydraulic analysis)
- Retaining walls and miscellaneous structures associated with highway construction
- Structural Software: MDX, Conspan, L-Pile, BSDI
- Autocad

Brian is the lead Structural Engineer at L.A. Gates Company having worked on 25 Highway Department bridge projects. Brian is experienced in bridge hydraulics, foundation and abutment design, pile and caisson design, retaining walls, concrete and steel beam design, and steel curved girder design. He is proficient with AutoCAD, LEAP Conspan, HEC-RAS hydraulic software, MDX Steel Bridge Rating software, COM624P and L Pile Piling and Caisson design software, Microsoft Word and Microsoft Excel.

**REPRESENTATIVE PROJECTS:**

**Bridges**

- *Big Rock Bridge, Mingo County*
- *Kirk Bridge, Mingo County*
- *Teter Creek Slab Bridge, Barbour County*
- *State Fair Pedestrian Underpass, Greenbrier County*
- *Pleasant Dale Bridge, Hampshire County*
- *Virginia Line Bridge, Monroe County*
- *Henlawson Thru Truss Bridge, Logan County*
- *South Mineral Wells Interchange, Wood County, WV*
- *Bradshaw Bridge, McDowell County, WV*
- *Clear Fork Arch No. 1 Bridge, Wyoming County*
- *Petry Bottom Bridge, Raleigh County, WV*
- *Huff Creek Bridge, Wyoming County, WV*
- *Bruno Bridge Replacement, Logan County, WV*
- *Main Street Bridge Replacement, Wetzel County, WV*
- *Shepherd Bridge Replacement, Marshall County, WV*
- *Grafton High School Arch Bridge, Taylor County, WV*
- *US 220 Ramp Connector Bridge, Hardy County, WV*
- *Greenbrier Avenue Bridge, Greenbrier County, WV*
- *Russellville Bridge Replacement, Greenbrier County, WV*
- *Kenna Bridge Rehabilitation, Jackson County, WV*
- *Switzer Monty Brothers Bridge, Logan County, WV*
- *WV Route 17 Connector Bridge No. 2, Logan County, WV*
- *WV Route 17 Connector Bridge No. 4, Logan County, WV*
- *Muddy Creek Bridge, Greenbrier County, WV*
- *Camden on Gauley Bridge Replacement, Webster County, WV*
- *Steinbeck Bridge Replacement, Roane County, WV*
- *Roach Truss Bridge Replacement, Cabell County, WV*



**L.A. Gates Company**  
**Engineers & Consultants**

**Amelia McClure, P.E.**  
**Structural Engineer**  
**17 Years Experience**

**EDUCATION:**

West Virginia Institute of Technology, B.S. Civil Engineering, 1998

Marshall University Graduate College, M.S. Engineering, 2002

**REGISTRATION:**

Professional Engineer

West Virginia # [REDACTED]

Virginia # [REDACTED]

**MEMBERSHIPS:**

West Virginians for Better Transportation  
Greater Greenbrier Chamber of Commerce  
Tau Beta Pi

**SPECIALTIES:**

- Final bridge design
- Bridge hydraulics & hydraulics for flood analysis
- Permitting necessary for bridges (causeway, cofferdam, and temporary bridge hydraulic analysis)
- Temporary Shoring and Bracing Plans
- Bridge Demolition and Erection plans
- Microstation & HEC-RAS



**L.A. Gates Company**  
**Engineers & Consultants**

Amelia is an experienced Structural Engineer having worked on various bridge projects in the private sector as well as at the West Virginia Department of Transportation where she worked as Bridge Design Engineer for District Nine in Lewisburg, WV. Amelia is experienced in plan review, bridge hydraulics, abutment design, foundation design, pile design, retaining wall design and steel beam design. Amelia is experienced in various aspects of bridge construction engineering such as temporary shoring, bracing, decking, demolition and erection plans. She is proficient with Microstation CAD software, HEC-RAS hydraulic analysis software, GawacWin gabion retaining walls design software, GRLWEAP pile driving analysis software, Microsoft Word and Microsoft Excel.

**REPRESENTATIVE PROJECTS:**

**Bridges**

- *Big Rock Bridge, Mingo County*
- *Kirk Bridge, Mingo County*
- *Teter Creek Slab Bridge, Barbour County*
- *Camp 29 Bridge, Nicholas County, WV-Erection Plan and Decking Plan*
- *Carters Creek Bridge, Nicholas County, WV-Demolition Plan and Temporary Bridge Plan*
- *Chesapeake Bridge, Kanawha County, WV-Decking Plan*
- *Dunloup Bridge #7, Fayette County, WV-Abutment Redesign, Demolition Plan and Erection Plan*
- *East Kingston Arch, Fayette County, WV-Demolition Plan and Erection Plan*
- *Ethel Slab Bridge, Logan County, WV-Decking Plan, Erection Plan, and Temporary Bracing Plan*
- *Fields Creek Bridge, Kanawha County, WV-Temporary Bridge Plan, and Demolition Plan*
- *First Slab Bridge, Randolph County, WV-Demolition Plan, Erection Plan, and Temporary Bracing Plan*
- *Five Mile Road Bridge, Kanawha County, WV- Demolition Plan, and Temporary Bridge Plan*
- *Granny Creek Bridge, Roane County, WV-Demolition Plan, and Erection Plan*
- *Grassy Creek Bridge, Webster County, WV-Temporary Bridge Plan, and Demolition Plan*
- *Gum Bridge, Randolph County, WV-Temporary Bridge Plan*
- *Hampton Truss, Upshur County, WV-Cofferdam Design, Demolition Plan, Erection Plan, and Temporary Bracing Plan*
- *Hemlock Bridge, Jackson County, WV- Demolition Plan and Erection Plan*
- *Huff Creek Bridge, Wyoming County, WV-Demolition Plan, and Temporary Bridge Plan*
- *Lochgelly Road Interchange Bridge, Fayette County, WV-Erection Plan*
- *Little Grassy Creek Bridge, Webster County, WV-Temporary*

**Amelia McClure, P.E.**  
Structural Engineer  
17 Years Experience

**-Continued-**

*Bridge Plan, and Demolition Plan*

- *Little Sandy Arch, Preston County, WV -Temporary Shoring Plan*
- *Peachtree Girder Bridge, Raleigh County, WV-Temporary Bridge Plan, Demolition Plan, and Erection Plan*
- *Petty Bottom Bridge, Raleigh County, WV-Demolition Plan*
- *Reader Creek Bridge, Wetzel County, WV-Decking Plan, Wave Equation Analysis, Erection Plan, and Demolition Plan*
- *Rolfe Arch, Marion County, WV-Demolition Plan*
- *Rosebud Bridge, Harrison County, WV-Temporary Bridge Plan, Demolition Plan*
- *Scott Slab Bridge, Harrison County, WV-Temporary Bracing Plan, Decking Plan, and Erection Plan*
- *Ward Bridge, Kanawha County, WV-Temporary Bridge Plan*
- *Winifrede Railroad Overpass, Kanawha County, WV-Demolition Plan, Erection Plan, Temporary Bracing Plan, and Temporary Shoring Plan*
- *Walnut Hill Bridge Replacement, Greenbrier County, WV-Permits, Design and Plans for Construction*
- *Canterbury Road Bridge Replacement, Fayette County, WV-Permits, Design and Plans for Construction*
- *Rock Camp Run Bridge Replacement, Nicolas County, WV-Permits, Design and Plans for Construction*
- *Sawbones Bridge Replacement, Monroe County, WV-Permits, Design and Plans for Construction*
- *Canvas Bridge Deck Repair, Nicolas County, WV- Design and Plans for Construction*
- *Harts Run Bridge Deck Repair, Greenbrier County, WV-Design and Plans for Construction*

*Civil/Site*

- *Greenbrier Summit Village Subdivision Plan Review, Greenbrier County, WV*
- *Stoney Glen Subdivision Plan Review, Greenbrier County, WV*
- *Dawson Lake Subdivision Plan Review, Greenbrier County, WV*
- *River Cliffs Subdivision Plan Review, Greenbrier County, WV*



**L.A. Gates Company**  
Engineers & Consultants



**Robert W. Rector**  
Cad Technician  
27 Years Experience

**EDUCATION:**

Woodrow Wilson High School - Graduated 1986; completed a two-year course in drafting at Raleigh County Vocational School in Beckley, WV.

West Virginia Institute of Technology - Graduated 1988; completed a two-year AS degree in Drafting & Design Engineering Technology.

**SPECIALTIES:**

- Proficient Cad Technician
- Develop construction documents for the various disciplines including: Roadway, Bridge, Sewer, & Water.
- Architectural/Structural and Site Development
- Quantities and calculations for Structural projects



Robert's background consists of a wide range of experience in the development of construction documents, both board and CADD practices. With 24 years with Gates, Robert's responsibilities consist of drafting and coordinating with the various disciplines such as civil, architectural and structural projects. His duties also include the production of plans for bridge and roadway projects including calculations and quantity estimates.

**REPRESENTATIVE PROJECTS:**

Highway

- Coalfields Expressway, Raleigh County, WV
- East Beckley Bypass, Raleigh County, WV
- Stollings - Logan Road, Logan County, WV
- WV Route 10, Man to Logan, Logan County, WV
- Sutton-Webster Springs Road, Braxton and Webster Counties, WV

Bridges

- Big Rock Bridge, Mingo County
- Kirk Bridge, Mingo County
- Teter Creek Slab Bridge, Barbour County
- State Fair Pedestrian Underpass, Greenbrier County, WV
- Pleasant Dale Bridge, Hampshire County, WV
- Henlawson Bridge, Logan County, WV
- Pettry Bottom Bridge, Raleigh County, WV
- Huff Creek Bridge, Wyoming County, WV
- South Mineral Wells Interchange, Wood County, WV
- Bradshaw Bridge, McDowell County, WV
- Bruno Bridge, Logan County, WV
- Main Street Bridge, Wetzel County, WV
- Shepherd Bridge, Marshall County, WV
- Grafton High School Arch Bridge, Taylor County, WV
- US 220 Ramp Connector Bridge, Hardy County, WV
- Greenbrier Avenue Bridge, Greenbrier County, WV
- Russellville Bridge, Greenbrier County, WV
- Cranberry Creek Bridge, Raleigh County, WV
- Switzer Monty Brothers Bridge, Logan County, WV
- Guyandotte River Bridge, Logan County, WV
- WV Route 17 Connector Bridge No. 4, Logan County, WV
- Muddy Creek Bridge, Greenbrier County, WV
- Camden on Gauley Bridge Replacement, Webster County, WV
- Steinbeck Bridge Replacement, Roane County, WV
- Roach Truss Bridge Replacement, Cabell County, WV
- Kenna I/C Bridge #2179, Jackson County, WV
- Grass Lick Creek, Bridge #2199, Jackson County, WV
- Grass Lick Road, Bridge #2198, Jackson County, WV
- Rock Lick Bridge, Boone County, WV
- James Branch Bridge, Boone County, WV
- Cazy Bridge, Boone County, WV
- B&O Railroad Underpass Bridge, Barbour County, WV

## **Robert W. Rector**

Cad Technician

27 Years Experience

- Continued -

- *Boulder Truss Bridge, Barbour County, WV*

### Architectural

- *Beckley State Police and DMV Building, Beckley, WV*
- *Raleigh County Junior High School, Beckley, WV*
- *New River Birthing Center, Scarbro, WV*
- *Clarksburg Center of Fairmont State College, Clarksburg, WV*
- *College of West Virginia Library, Beckley, WV*
- *College of West Virginia building additions, Beckley, WV*
- *Pinecrest Multi-purpose Building, Beckley, WV*
- *Clarksburg Federal Building, Clarksburg, WV*
- *Hospice House of Southern WV, Beckley, WV*

### Water and Sewer

- *Wastewater Treatment Plants for Watoga, Bluestone, Babcock, Twin Falls, and Pipestem State Parks.*
- *Cool Ridge/Flat Top Wastewater Collection & Disposal Project*
- *Airport Road/The Oaks Sanitary Sewer Extension Project*
- *Pluto Road Sanitary Sewer Extension Project*
- *Jolo/Paynesville Water System Extension*
- *Little Beaver Interceptor Sewer Pump Station & Force Main Project*

### Site Development

- *Petersburg Main Post Office - Site and utility design*
- *Clarksburg GSA Federal Building - Site design*
- *Raleigh County Public Library - Site development for new parking area*
- *Princeton Main Post Office - Site and utility design*
- *Beckley State Police and DMV Building - Site and utility design*



**L.A. Gates Company**  
Engineers & Consultants

## RELEVANT PROJECT EXPERIENCE

### **APPENDIX B**

## PROJECTS

Project manager and contact information for all relevant projects is:

Jerry (Jay) W. Cantley, Jr., P.E. & P.S., Executive Vice President  
(304) 256-1640 ext 107  
jcantley@lagates.com

### **Bluestone Hydro-Electric Power 2D Flow Analysis**

Summers County, WV

Prepared design study to investigate the probable effect that the proposed Bluestone Hydro-electric Power Project would have on the New River just downstream of the Bluestone Dam near Hinton. In particular, the probable effect on the New River just downstream of the existing stilling basin on the east side of the river will be examined. A two dimensional flow analysis was performed using the SMS 9.0 computer program.



### **Yon-Peraldo Memorial – Duhring Street Bridges**

Mercer County, WV

Studied, designed and prepared construction documents and R/W plans for the replacement of Yon-Peraldo Bridge including hydraulic analysis showing the project to produce no rise in water surface elevation in order to comply with FEMA and WVDOH guidelines for backwater at stream crossings. The existing bridge was located within the 100-year flood elevation of the Bluestone River and the town of Bramwell was susceptible to flooding. Therefore, the hydraulic impact of any proposed structure was of utmost importance and any increase in backwater was unacceptable. Both temporary and permanent hydraulic conditions were analyzed and the extensive hydraulic model was developed in coordination with another consultant who designed a nearby structure also spanning the Bluestone River in Bramwell.

### **Henlawson Bridge**

Logan County, WV

Studied, designed and prepared construction documents and R/W plans for the replacement of Henlawson Bridge including hydraulic analysis showing the project to produce no rise in water surface elevation in order to comply with FEMA and WVDOH guidelines for backwater at stream crossings. The structure is a 330 ft long three-span steel plate girder bridge carrying County Route 12/4 over the Guyandotte River in Logan County in Henlawson.





## South Branch Potomac River Railroad Erosion

Hampshire County, WV

Prepared design study of erosion issue on railroad embankment which investigated and identified the cause of river erosion and proposed corrective measures to stabilize the South Branch Potomac River Railroad embankment and bridge including hydraulic analysis of the South Branch of the Potomac River near Springfield in Hampshire County.



## Stollings-Logan Road Bridges

Logan County, WV

Studied, designed and prepared construction documents and R/W plans for the replacement of three bridges including hydraulic analysis showing the project to produce no rise in water surface elevation in order to comply with FEMA and WVDOH guidelines for backwater at stream crossings. The extensive hydraulic model was developed in coordination with other consultants who designed additional structures carrying WV Route 10 over the Guyandotte River in Logan County between Stollings and Logan.

## Bruno Bridge

Logan County, WV

Studied, designed and prepared construction documents and R/W plans for the replacement of Bruno Bridge including hydraulic analysis. A Duplicate Effective Model derived from an existing hydraulic model of the USACE shows the project to produce no rise in water surface elevation in order to comply with FEMA and WVDOH guidelines for backwater at stream crossings. The structure is a 262 ft long three-span concrete I-beam bridge carrying County Route 11/2 over the Guyandotte River in Logan County near Bruno.



## South Mineral Wells Interchange

Wood County, WV

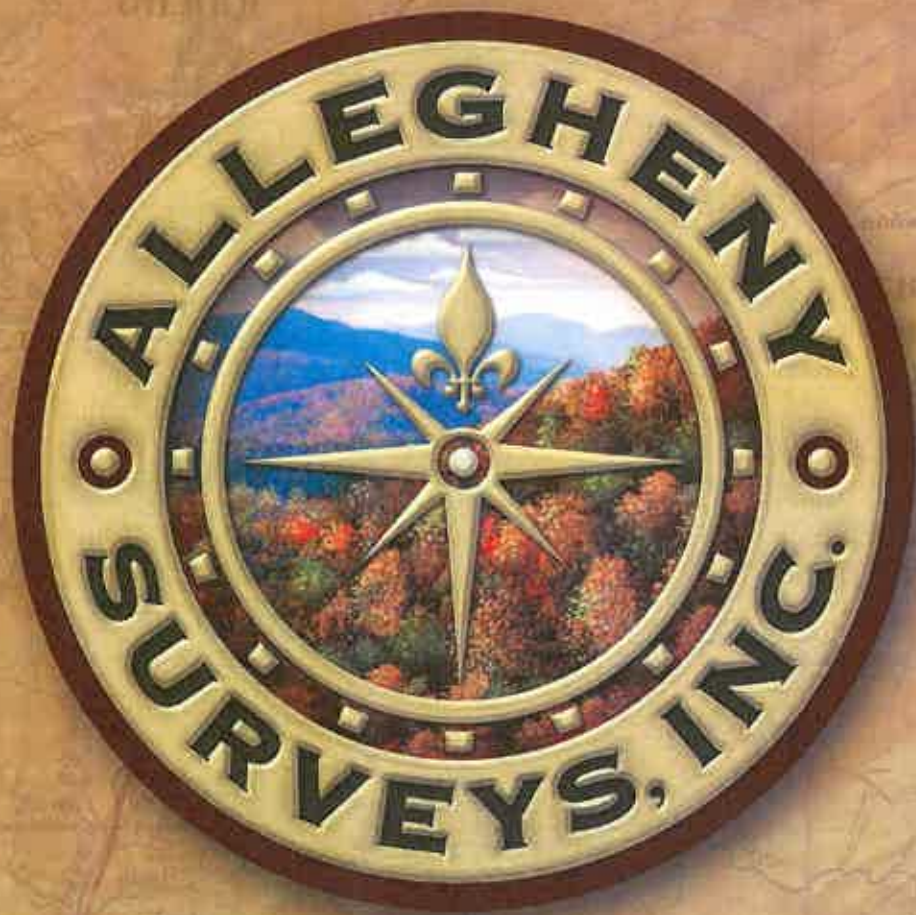
Studied, designed and prepared construction documents and R/W plans for the new South Mineral Wells Interchange bridge including hydraulic analysis showing the project to produce no rise in water surface elevation in order to comply with FEMA and WVDOH guidelines for backwater at stream crossings. The structure is a 430 ft long three-span steel plate girder bridge carrying WV Route 11 over the Tygart Creek in Mercer County near Mineral Wells.



# **SUBCONSULTANTS**

Allegheny Surveys, Inc.

## **APPENDIX C**



DODD TOP

TRABER

GILBERT

PO

CAL

GRK

RAVA W II A

PAYETTE

CHAMBERLAIN

RAVE II





## COMPANY OVERVIEW

Originally founded in 1988 in Birch River, West Virginia as Allegheny Land Surveying, Allegheny Surveys, Inc. (incorporated in 1994) is a land-surveying firm that for many years provided the coal and timber industries with their surveying and mapping needs.

The firm specializes in large boundary surveys, often of several thousand acres, underground and surface mine surveys, construction surveys and topographic surveying. It has undertaken many large projects, including a 27,000 acre boundary survey, and a 45,000 acre boundary with numerous long-term clients who have remained faithful to it for years. In 1995, the firm undertook to learn to utilize GPS technology in its services, and has become a leader in that field since that time. It has performed extensive GPS control surveys all over West Virginia and also in Kentucky, Indiana, Illinois and Maryland.

The owner of the firm is Marshall Robinson, who has been a licensed professional surveyor in West Virginia since 1988, in Virginia, Kentucky and Ohio since 2005 and in Pennsylvania since 2009. Originally appointed by Governor Underwood to serve on the State Board of Examiners of Land Surveyors in 2000, he was re-appointed by Governor Wise in 2003 to serve a second three-year term. He is a former member of the Board of Directors of the West Virginia Association of Land

Surveyors and served as its president in 1993. He is currently President-elect and, will take office as President in February, 2014. He has extensive experience in mining and construction surveys, GPS control surveys, well location surveys and, especially, boundary surveys. He has given numerous seminars on boundary conflict and resolution, right-of-way and easement issues and GPS applications to land surveying.



Allegheny Surveys currently has fifty-five employees, in four offices, and the capacity to field fifteen crews. It employs eleven licensed Professional Surveyors and a GIS Analyst.

In 2003, the company expanded by establishing an office in Weston, in northern West Virginia. In June of 2008, this office was moved farther north, to Bridgeport, to better accommodate its client base. In June of 2011, this office moved into a new 2500 sq. ft. office on Thompson Drive.

In May of 2008, Allegheny Surveys purchased the assets and hired all eleven employees of Lincoln Land Consultants, a surveying firm located near Alum Creek, just a few minutes southwest of the State Capitol in Charleston. This became the Alum Creek Office of Allegheny Surveys. It was awarded, in the summer of 2011, a 5-year small business contract with the Corps of Engineers.



## COMPANY OVERVIEW CONTINUED

On December 23 of 2011, Marshall W. Robinson, President and sole shareholder of Allegheny Surveys, Inc. formed Trans-Allegheny Holdings, LLC, and became its single member and transferred all of the stock of Allegheny Surveys, Inc. to it on December 31, 2011. On the same day, Trans-Allegheny Holdings, LLC purchased a majority of the stock in Hornor Brothers Engineering of Clarksburg. Trey and John Hornor, great-grandsons of one of the two brothers that founded the firm in 1902, retain substantial interest in the company, and retain their respective positions of President and Survey Manager.

On January 1, 2012, Trans-Allegheny Holdings, LLC conveyed 16% of the total stock of Allegheny Surveys, Inc. to six senior Professional Surveyors: Ben Singleton, PS, Dwayne Hall, PS, Stacey Brown, PS, Dwayne Matheny, PS, Damon Wilkewitz, PS and David King, PS.

From a corporate perspective, this is a lot of "high end" activity. From a personal perspective, the acquisition of Hornor Brothers brings a group of talented stable and highly regarded professionals under the same roof

as Allegheny Surveys. Trey, John and Marshall operate professionally from and are driven by the same values that have motivated Marshall and the Senior Professionals of Allegheny Surveys and brought that firm to its current position of prominence. We believe that the merging of professional talents and personalities will greatly enhance both firms and their service to our clients.

In February of 2013 Allegheny Surveys opened their new office at 212 Cumberland St. Caldwell, Ohio. This office assists their existing clients in developing the Utica Shale, and helps other projects/clients in the region.

In May 2014, Allegheny Surveys opened a new office at 401 South Fairfax Blvd., Ranson, WV. With the addition of Karen K. Brill, PS, Lisa McCauley, PE, and R. Michael Shepp, PS we add over 35 years of engineering and surveying experience to our company.



## CASE STUDIES CONTINUED

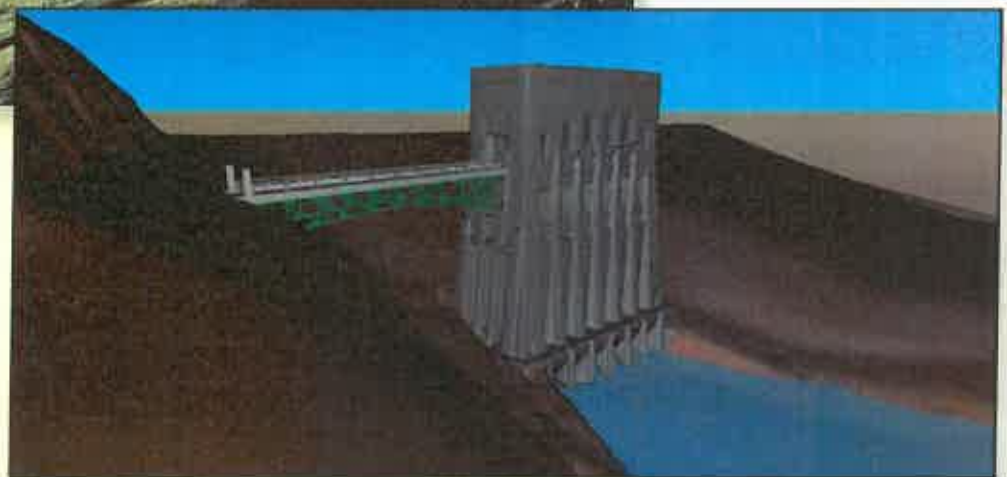
### III. Mohawk Dam

1. Client: U.S. Army Corps of Engineers
2. Project Location: Mohawk Dam,  
Coshocton County, Ohio
3. Contract Awarded: February 2013
4. Project Description:

This project consisted of performing a 110 acre site survey for the U.S. Army Corps of Engineers of the Mohawk Dam located along Route 715 on the Walhonding River in Coshocton County, Ohio. The project area included a large land dam (2,500 feet in length), concrete inlet and

outlet structures, an 18 acre spillway, campground site, house, and storage buildings. The entire site was located by using a Leica C10 ScanStation 3D Laser Scanner. Almost 90 million points were collected during the survey.

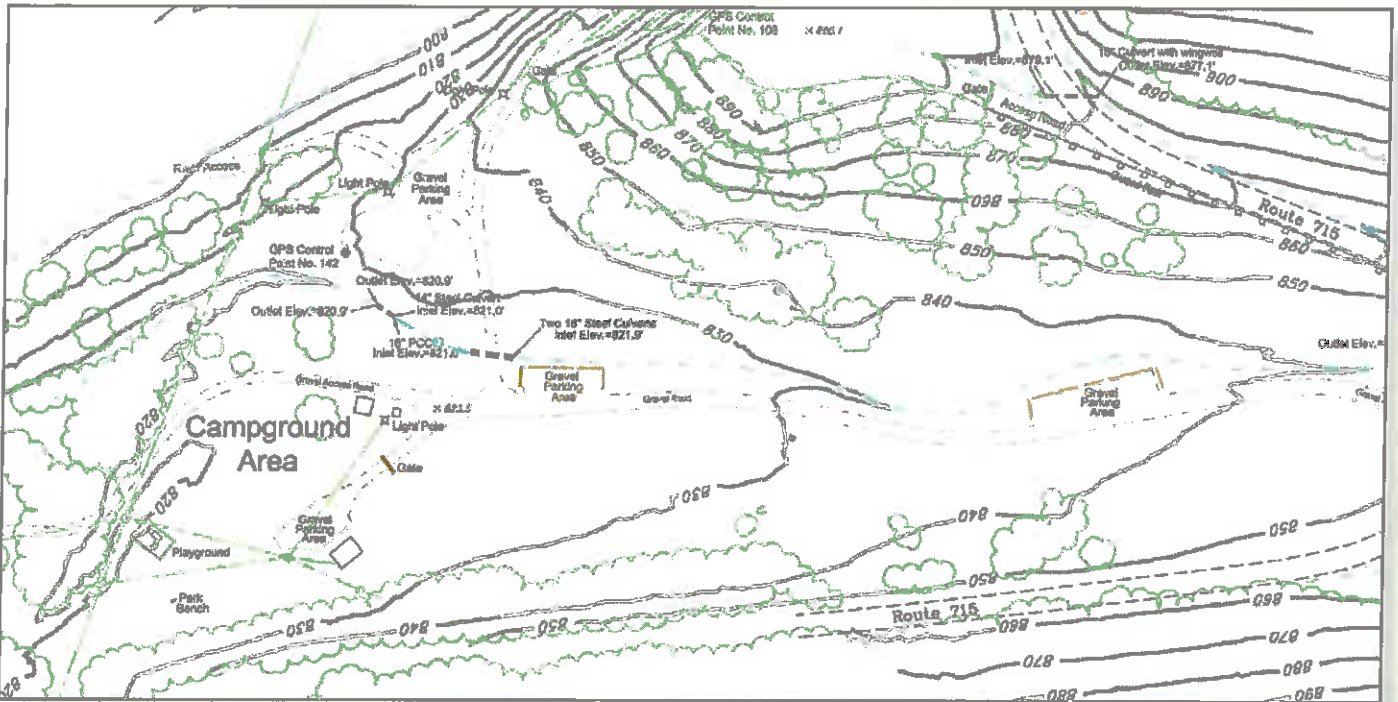
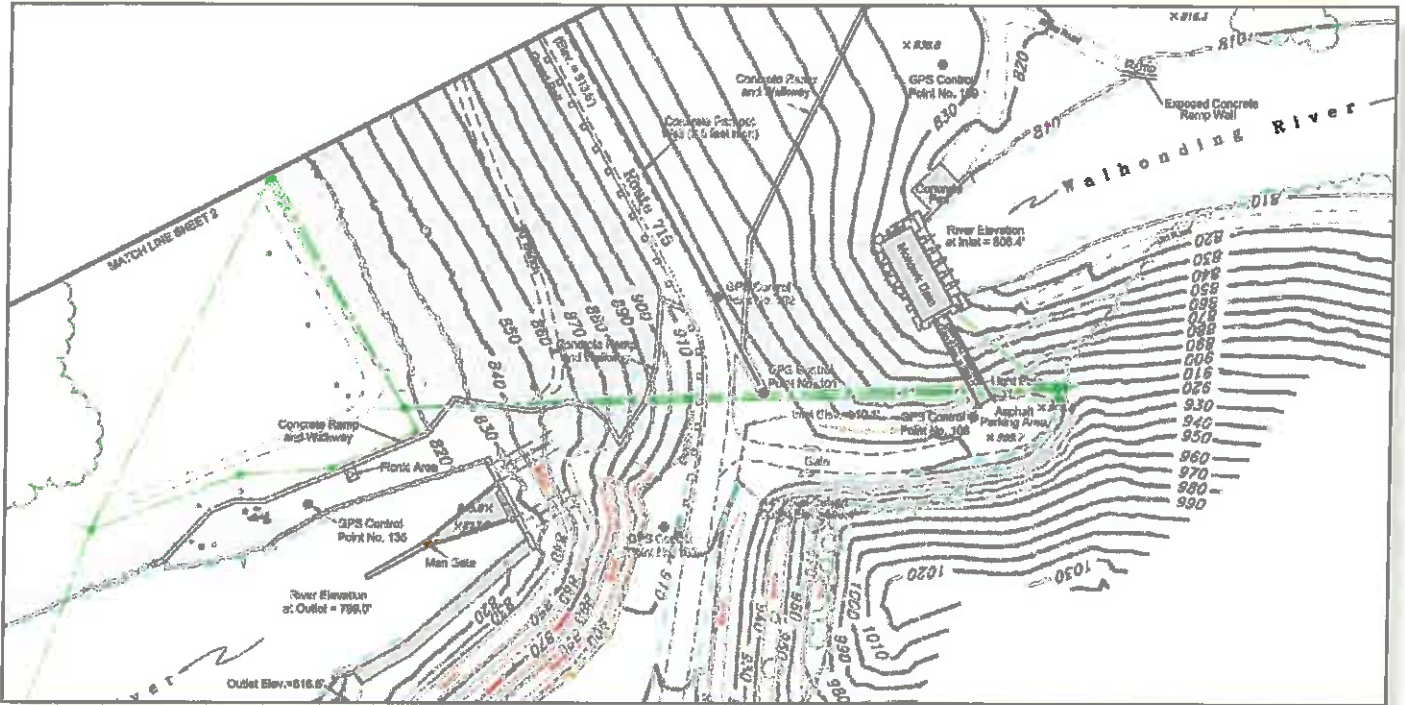
75 Control Monuments were used to register the scan data, and 65 setups were needed to scan the entire 110 acre site. The field work began on February 27, 2013, and the project was delivered on March 19th. From start to finish, this project was awarded, surveyed, processed, mapped, and delivered in a total time frame of one month. To do this was quite an accomplishment, and is a testimony to how state-of-the-art technology and hard work can achieve results that are appreciated by our client.







# CASE STUDIES CONTINUED





## CHIEF PERSONNEL

*Marshall W. Robinson, PS*  
Licensed in WV, VA, KY, OH & PA

**President and Chief Executive Officer**

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*Ben R. Singleton, PS*

**Vice President and  
Senior Survey Manager**

Birch River Office

---

*Dwayne D. Matheny, PS*  
Licensed in WV & KY

**Chief Operations Officer**

Bridgeport Office

---

*David W. King, PS*

**Senior Survey Manager**

Alum Creek Office

---

*Bradley D. Miller, PS*  
Licensed in WV & PA

**Survey Manager**

Bridgeport Office

---

*Karen K. Brill, PS*

**Operations Manager**

Ranson Office

---

*Lisa McCauley, PE*

**Engineering Manager**

Ranson Office

---

*Dwayne A. Hall, PS*

**Underground Survey Manager**

Birch River Office

*Stacey O. Brown, PS*  
Licensed in WV & KY

**Mapping Manager**

Birch River Office

---

*Damon L. Wilkewitz, PS*

**HDS Manager**

Birch River Office

---

*William D. Yetzer, PS, EI*  
Licensed in WV, CO & UT

**Survey Manager**

Bridgeport Office

---

*Kenneth L. Plum, PS*

**Survey Manager**

Bridgeport Office

---

*Mary Ann Kiser, PHR*

**Human Resource &  
Safety Manager**

Birch River Office

---

*Jason P. Gravley*

**IT Manager & GIS Analyst**

Birch River Office

---

*Teresa A. Hughart, CPA*

**Chief Financial Officer**

Birch River Office

---

*Drema Dodrill*

**Corporate Administrator**

Birch River Office





## MARSHALL W. ROBINSON, PS

*President and Chief Executive Officer*



Marshall is proficient in all types of surveying, including surface and underground mine surveying, construction surveying, boundary surveying, GPS surveying, oil and gas well location surveying, and specializing in expert witness testimony for boundary litigation, GPS survey design and analysis, and underground surveying and mapping.

Former Chapter Representative, Board of Examiner's Liaison, Member of the Board of Directors, West Virginia Representative to the NSPS Board of Governors, and President, of the West Virginia Association of Land Surveyors, between 1991 and 1999. He also served on the Legislative Committee, Peer Review Committee, HARN Committee, and Education Committee. He is currently President-elect and, will take office as President in February, 2014.

- Member of the Advisory Board to the Glenville State College Division of Land Resources for the Land Surveying Program. He has been Chairman of that Board from 2005 to the present.
- Former member of the NCEES (National Council of Examiners of Engineers and Surveyors) EPS (Examination for Professional Surveyors) Committee.
- Has presented numerous seminars on boundary law issues and boundary resolution, right-of-way and easement issues, GPS and GIS applications to the surveying profession, State Plane Coordinates, Project Datums, and underground surveying and mapping.
- Former member of the West Virginia Board of Professional Surveyors, serving two three-year terms, from 2000 to 2006.
- Graduated magna cum laude from Glenville State College with an Associate's Degree in Land Surveying and a Bachelor of Arts Degree in May of 1985.
- Licensed in the State of West Virginia as a Professional Surveyor since February 1988. Also licensed as a Professional Surveyor in Virginia (January, 2005), Kentucky (February, 2005) Ohio (June, 2005) and Pennsylvania. (July, 2009).



## **BEN R. SINGLETON, PS**

*Vice President and Senior Survey Manager, Birch River Office*



Proficient in all types of surveying, and specializing in boundary, underground, oil and gas well locations, site development, and GPS surveys. Ben was the lead party chief in the performance of a 27,000 acre boundary survey in Nicholas and Webster Counties that was completed in 2004. He was also the lead party chief in the performance of a 12,000 acre boundary survey in Nicholas County, a 4,000 acre boundary survey in Braxton County, a 3,200 acre boundary survey in Kanawha County, and an 1,850 acre boundary survey in Clay and Nicholas Counties.

He has surveyed over 100 well location sites on a 70,000 acre tract in Clay County, and has surveyed for coal bed methane (CBM) wells, shallow well and deep well permits throughout West Virginia. Overall, he has surveyed hundreds of well locations throughout the state. He has surveyed several deep mines throughout the state, and has performed numerous GPS control surveys for boundary control and aerial mapping. In the past three years he has performed or supervised the performance of numerous cell tower site surveys throughout Virginia and West Virginia.

- Graduated from Glenville State College with an Associate's Degree in Land Surveying in May 1996.
- Employed by Allegheny Surveys as a full time party chief since May 1996.
- Promoted to Senior Survey Manager in September 2002.
- Licensed in the state of West Virginia as a Professional Surveyor since January 2004.

## **DWAYNE D. MATHENY, PS**

*Chief Operations Officer, Bridgeport Office*



Dwayne has performed many types of surveys which include, but are not limited to, ALTA/ACSM surveys, Pre-Mine and Post-Mine subsidence surveys, design surveys for engineering support, boundary surveys, gas pipeline as-builts and design surveys, telecommunication surveys, GPS networks, and construction layout.

The majority of his experience has been in the construction industry where he performed and supervised projects for bridges, commercial buildings, roads, railroads, gas compressor stations, water and wastewater treatment plants, sanitary sewer systems, water systems and athletic fields.

- Began surveying in 1994 with the largest engineering firm in the State of West Virginia, performing and supervising surveys for all types of industries.
- Obtained his license in 2003 after completing the mandatory eight years of field experience.
- Employed by Allegheny Surveys, Inc since May, 2008.
- Licensed in the state of Kentucky.



## DAVID W. KING, PS

*Senior Survey Manager, Alum Creek Office*



Began his surveying career in 1990 and has worked for three previous surveying firms, one underground mining company, and one surface mining company. From 1998 to 2003, he worked closely with the owner of this firm, Marshall Robinson, who, while owning Allegheny Surveys, was also a partner with another surveyor in the firm of Augusta Land Consultants, a surveying firm located in Danville, WV. Together they solved the boundaries on numerous difficult surveys on large timber and coal tracts, including one 25,000 acre boundary survey and a 7,000 acre boundary survey. He also gained a fair amount of well location experience while working for Augusta Land Consultants. In 2004 he founded Frontier Surveys in Danville, WV, which he operated for a few years thereafter as a city lot and rural boundary surveying firm, performing a variety of surveys for private landowners, until he gained employment in the coal industry, performing all types of surveys relevant to deep and surface mine operations.

Proficient in the performance of ALTA/ACSM surveys, boundary surveys, design surveys for engineering support, construction layout, underground mine surveys, surface mine surveys, topographic surveys, GPS networks, control surveys, and gas well surveys. The majority of his experience has been in the performance of all types of boundary surveys throughout southern West Virginia.

- Obtained surveying license in 2000 after completing the mandatory eight years of experience.
- Employed by Allegheny Surveys as Senior Survey Manager in January 2009.
- Founded Frontier Surveys of Danville, WV in 2004.

## BRADLEY D. MILLER, PS

*Senior Survey Manager, Bridgeport Office*



Graduated from West Virginia University with a Bachelor's in Science Degree in Business Management-Human Resources in December 1994. He also attended Potomac State College of West Virginia University where he received an Associates of Arts Degree where he studied Business and Economics in May 1992. He has over 16 years of surveying experience. Employed by Allegheny Surveys since August of 2012.

Brad is responsible in the management and performance of cell tower site surveys, topographic surveys and construction stake-outs, and as-built and pre-construction pipeline surveys. He is also responsible for managing the processing of survey data and map preparation to facilitate the work products relevant to the above types of surveying.

Brad is licensed in West Virginia and Pennsylvania.





## EQUIPMENT & SOFTWARE

### Equipment

- Trimble S6 2 DR Plus Robotic Total Station
- Trimble R8 GNSS Base and Rover RTK GPS System (six)
- Trimble R8 GNSS/VRS Base and Rover RTK GPS System
- Trimble R8 GNSS Base and Trimble R10 GNSS Rover RTK GPS Systems (three)
- Trimble S6 (two)
- Trimble 4000 SSI Static Dual Frequency GPS Receiver (four)
- Trimble 6000 GeoXH Handheld GNSS Unit with External Tornado Antenna (three)
- Trimble GeoXH mapping grade GPS Receiver (two)
- Trimble ProXT mapping grade GPS Receiver with Nomad Data Collector (three)
- Nikon Nivo 2M Total Stations (six)
- Nikon Nivo 5M Total Stations (two)
- Leica 403 Total Station (two)
- Leica 305 Total Station
- Topcon GTS and 223 Total Stations
- Topcon GPT 2005 Total Station
- Nomad Data Collectors with Survey Pro (five)
- Leica C10 Scan Station
- Leica P20 Scan Station
- Metro Tech 850 Pipeline Locator
- Metro Tech 810 DX Pipeline Locator

### Software

- AutoCAD
- AutoCAD Map 3D
- AutoCAD Cloud Worx
- Carlson Survey
- Trimble Business Center
- Trimble Geomatics Office
- Trimble GPS Pathfinder Office
- Terra Sync Survey Pro
- Trimble Access
- Trimble Survey Controller
- ESRI ArcGIS 10.2
- Microsoft Office
- Adobe Acrobat Professional
- Leica Cyclone 9
- 3D Reshaper

# **CERTIFICATES AND LICENSURE**

Engineering & Surveying

## **APPENDIX D**

## **PROFESSIONAL ENGINEERING**

**Leslie (L.A.) Gates**

WV PE License Number: [REDACTED]

**Jerry (Jay) W. Cantley, Jr**

WV PE License Number: [REDACTED]

**Brian M. Bair**

WV PE License Number: [REDACTED]

**Amelia (Amy) H. McClure**

WV PE License Number: [REDACTED]

*All WV PE Licenses can be verified by the West Virginia State Board of Registration for Professional Engineers at <https://services.wvpebd.org/verification/>.*

# CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*The West Virginia State Board of Registration for Professional Engineers  
having verified the person in responsible charge is registered in  
West Virginia as a professional engineer for the noted firm, hereby certifies*

**L. A. GATES COMPANY, INC.**

**C00621-00**

**Engineer in Responsible Charge: LESLIE A GATES - WV PE 009568**

*has complied with section §30-13-17 of the West Virginia Code governing  
the issuance of a Certificate of Authorization. The Board hereby notifies you of its  
certification with issuance of this Certification of Authorization for the period of:*

**January 1, 2016 - December 31, 2017**

*providing for the practice of engineering services in the State of West Virginia.*

IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATE'S OFFICE,  
PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION.



IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF  
REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA  
UNDER ITS SEAL AND SIGNED BY THE PRESIDENT OF SAID BOARD.

BOARD PRESIDENT

**WEST VIRGINIA BOARD OF PROFESSIONAL SURVEYORS**



**Certificate of Authorization**

ISSUED TO:

**L. A. Gates Company**  
*Beckley, West Virginia*



**Certificate of Authorization #** [REDACTED]

This certificate is issued by the West Virginia Board of Professional Surveyors in accordance with West Virginia Code § 30-13A-20. The person or organization identified on this certificate is licensed to conduct professional surveying and mapping services in the State of West Virginia for the period

**January 1, 2016 through December 31, 2016**

**This certificate is not transferrable and must be displayed at the office location for which issued.**

In witness whereof I have put my hand, this 16<sup>th</sup> day of December, 2015

Handwritten signature of Roy E. Shrewsbury, II in black ink.

*ROY E. SHREWSBURY, II, Chairman*

*R. MICHAEL SHEPP, Member*



Handwritten signature of Nelson B. Douglass in black ink.

*NELSON B. DOUGLASS, Secretary*

*ANTHONY J. SPARACINO, Member*





Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Centralized Expression of Interest  
 02 - Architect/Engr

Proc Folder: 184203

Doc Description: Addendum No. 3-Responses attached and extend the bid opening

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2016-02-26	2016-03-09 13:30:00	CEOI 0606 HSE1600000002	4

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON

WV 25305

US

Vendor Name, Address and Telephone Number:

L.A. Gates Company  
 2302 South Fayette Street  
 Beckley, WV 25801  
 (304)256-1640

FOR INFORMATION CONTACT THE BUYER

Tara Lyle  
 (304) 558-2544  
 tara.l.lyle@wv.gov

Signature X

FEIN # 55-06-49591

DATE 03/07/2016

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

**ADDITIONAL INFORMATION:**

Addendum No. 3 - Responses to vendor questions attached. See attached pages. The bid opening has been moved from 03/01/2016 to 03/09/2016.

INVOICE TO		SHIP TO	
ACCOUNTING TECHNICIAN 304-558-5380		ACCOUNTING TECHNICIAN 304-558-5380	
HOMELAND SECURITY & EMERGENCY MANAGEMENT		HOMELAND SECURITY & EMERGENCY MANAGEMENT	
BLDG 1 RM EB80		BLDG 1 RM EB80	
1900 KANAWHA BLVD E		1900 KANAWHA BLVD E	
CHARLESTON	WV25305-0360	CHARLESTON	WV 25305-0360
US		US	

Line	Comm Ln Desc	Qty	Unit Issue
1	Professional engineering services		

Comm Code	Manufacturer	Specification	Model #
81100000			

**Extended Description :**

Professional engineering services

**SCHEDULE OF EVENTS**

Line	Event	Event Date
1	Technical questions due by 4:00 pm	2016-02-04

<b>HSE1600000002</b>	<b>Document Phase</b> Final	<b>Document Description</b> Addendum No. 3-Responses attached and extend the bid opening	<b>Page 3</b> <b>of 3</b>
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**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions

**CERTIFICATION AND SIGNATURE PAGE**

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

L.A. Gates Company

(Company)

  
Serry W. Contley Jr., PE, PS., Exec Vice President

(Authorized Signature) (Representative Name, Title)

Ph 304-256-1640, Fax 304-256-1617, 03/07/2016

(Phone Number) (Fax Number) (Date)

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: CEOI HSE160000002**

**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 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.

L.A. Gates Company

\_\_\_\_\_  
Company

  
\_\_\_\_\_  
Authorized Signature

03/07/2016

\_\_\_\_\_  
Date

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



STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

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

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

**DEFINITIONS:**

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

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

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

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: L.A. Gates Company

Authorized Signature: *[Signature]* Date: 03/07/2016

State of West Virginia

County of Raleigh, to-wit:

Taken, subscribed, and sworn to before me this 07 day of March, 2016.

My Commission expires June 3, 2021.

**AFFIX SEAL HERE**

**NOTARY PUBLIC** *[Signature]*

