



Post Office Box 386 • Clarksburg, West Virginia 26302 • (304) 624-6445 • Fax (304) 624-6448 • www.HornorBrosEng.com

September 11, 2018

Ms. Brittany Ingraham, Buyer Department of Administration Purchasing Division 2019 Washington Street, East Charleston, WV 25305-0130

RECEIVED 2018 SEP 12 AM 8: 52

W PUFICHASING DIVISION

**RE:** Expression of Interest

Weston (Williams) Landslide – EPAM 16027

CEOI 0313 DEP 1900000002

Dear Ms. Ingraham:

Hornor Brothers Engineers is pleased to provide this response to the Purchasing Division's request for an expression of interest for professional engineering services for the referenced project. Hornor Brothers Engineers is a civil engineering and survey firm that has been in continual business for over 115 years.

Our firm is very experienced in the design for site development, grading, drainage, and sediment and erosion control, which are the key elements of this project. Our contract documents typically include detailed design plans and specifications. Specific examples of our work are found in the attached information.

With regard to prior WVDEP/AML projects, we performed the design for the completed Stanley Subsidence II AML Enhancement project in Harrison County, the Summit Park PSD waterline replacement project in Harrison County, and the Century Volga PSD waterline extension project in Barbour County. We are interested in expanding our services into more of the AML reclamation projects, especially those in north-central West Virginia.

We have prepared the design plans and specifications for approximately 100 gas well site developments, including access roads, pads and impoundments. Furthermore, we have prepared designs for numerous slips and landslides associated with older existing gas well sites and WVDOH roads which lead to them. Therefore, we have a great deal of practical experience associated with the type of work needed for the Weston (Williams) Landslide. Additionally, our office is relatively close to that site.

If there is a need for sub-surface investigation, we would propose to use G.A. Covey Engineering as our geotechnical sub-consultant. We have worked with them on many site development projects, including landslides and slips. They are experienced, well-qualified, and have performed geotechnical and quality control services on many projects throughout the state.

Ms. Brittany Ingraham, Buyer Department of Administration, Purchasing Division Expression of Interest, Weston (William) Landslide September 11, 2018 Page 2

We appreciate your consideration of our qualifications and look forward to an opportunity to work with the WVDEP on this project. We hope that the selection committee would consider our smaller, yet qualified firm for this work. If you have any questions or need additional information, please let us know.

Yours truly,

HORNOR BROTHERS ENGINEERS

Trey Homor, P.E. PRESIDENT

TH/jmh

File: 2018-102 Correspondence 1

**Enclosures** 

# CENTRALIZED EXPRESSION OF INTEREST AND ADDENDUM ACKNOWLEDGMENT



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

## State of West Virginia Centralized Expression of Interest 02 — Architect/Engr

BID RECEIVING LOCATION

**BID CLERK** 

**DEPARTMENT OF ADMINISTRATION** 

PURCHASING DIVISION 2019 WASHINGTON ST E

CHARLESTON

WV 25305

US

VENDOR

Vendor Name, Address and Telephone Number:

Hornor Brothers Engineers

P.O. Box 386

Clarksburg, WV 26302-0386

304-624-6445

FOR INFORMATION CONTACT THE BUYER

Brittany E Ingraham (304) 558-2157

brittany.e.ingraham@wv.gov

Signature X

FEIN # 55-0197150

DATE SEPT 11, 2018

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

Page: 1

FORM ID . WV-PRC-CEOI-001

**DESIGNATED CONTACT:** Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Name, Title	Y HORNOR	. D.	CESINEUT	•	mayorinin may a <u>may make ta mayorin</u>
(Printed Nam	ne and Title)	•			26302
(Address)	1-624-64	45.			
	ber) / (Fax Numbe <b>YO/85</b> / ss)		CON		and the same of th

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

HORNOR BROTHERS ENGINEERS
(Company)
(Authorized Signature) (Representative Name, Title)
(Authorized Signature) (Representative Name, Title)
TREY HORNOR PLESIDENT (Printed Name and Title of Authorized Representative)
(Printed Name and Title of Authorized Representative)
SEAT 11, 2018
(Date)
304-624-6445; 304-624-6446
(Phone Number) (Fax Number)

13	PERTIO	LAU	INFO	REAL	THOM:

Addendum

Addendum No.01 issued to publish and distribute the attached information to the vendor community.

\*

#### Expression of Interest

Weston (Williams) Landslide

The West Virginia Purchasing Division is soliciting Expression(s) of Interest for the Agency, the Department of Environmental Protection, from qualified firms to provide architectural/engineering services to provide necessary engineering, and other related professional services to design and specify for construction as well as provide construction administration, for the Weston (Williams) Landslide, per the bid requirements, specifications, terms and conditions as attached hereto.

\*Online submissions of Expressions of Interest are prohibited.

INVOICE TO		SHIP TO	
ENVIRONMENTAL PROTE	ECTION	ENVIRONMENTAL PROTEI	CTION
601 57TH ST SE		601 57TH ST SE	
CHARLESTON	WV25304	CHARLESTON	WV 25304
US		us	

Line	Comm Ln Desc	Qty	Unit Issue	
1	EOI Engineering Design Services	0.00000		

Comm Code	Manufacturer	Specification	Model #	
81100000				

#### **Extended Description:**

<sup>\*</sup>Dates of Service are estimated for bidding purposes only.

## SOLICITATION NUMBER: CEOI DEP1900000002

Addendum Number: No.01

The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

[	1	Modify bid opening date and time
[	1	Modify specifications of product or service being sought
[,	1	Attachment of vendor questions and responses
[	1	Attachment of pre-bid sign-in sheet
[	ł	Correction of error
ſ	1	Other

#### Description of Modification to Solicitation:

Applicable Addendum Category:

Addendum issued to publish and distribute the attached documentation to the vendor community.

1. The purpose of this addendum is to publish vendor questions and agency responses.

No other changes.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

#### Terms and Conditions:

- 1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
- 2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

### ATTACHMENT A

#### EOI – Weston (Williams) Landslide CEOI DEP1900000002 Vendor Questions and Agency Answers

- Q1.) Whom do we notify to gain access to the property for a field view during the preparation of the Expression of Interest?
  - A1.) A map of the location was provided with the solicitation (attachment Maps-EOI Weston (Williams) Landslide) and due to the time frame of bid opening, we do not feel a site visit is feasible. We are looking for vendors with experience in this type of work, however, the scope will be determined prior to award.
- Q2.) Have any borings or other subsurface investigation been conducted on the landslide?
  - A2.) No.
- Q3.) Has any survey been conducted on the landslide or surrounding area?
  - A3.) The project has been mapped under the WVDEP mapping contract.
- Q4.) Is there a budget available for this project?
  - A4.) No.
- Q5.) Is aerial mapping of this site already available or does it need to be included as a part of the submission proposal?
  - A5.) The project has been mapped under the WVDEP mapping contract.
- Q6.) Even though this is not an architectural project, please confirm that AIA documents are the required documents for the project, or are engineering EJCDC documents acceptable?
  - A6.) EICDC documents are sufficient.

## ADDENDUM ACKNOWLEDGEMENT FORM SOLICITATION NO.: CEP/03/3 DEP/90000000 Z

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)

[ '	<b>/</b> ]	Addendum No. I	[	]	Addendum No. 6
[	]	Addendum No. 2	[	J	Addendum No. 7
[	]	Addendum No. 3	[	]	Addendum No. 8
[	]	Addendum No. 4	[	]	Addendum No. 9
E	]	Addendum No. 5	[	]	Addendum No. 10

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

> Company
>
> They Have Messner
>
> Authorized Signature SEAT 11, 2018
>
> Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing. Revised 6/8/2012

## PROJECT TEAM INFORMATION



Main & Third Streets · P.O. Box 386 · Clarksburg, West Virginia 26302 (304) 624-6445 · Fax (304) 624-6448 · www.HornorBrosEng.com

#### PROFILE

#### **EDUCATION**

B.S., Civil Engineering, West Virginia University, 1982

#### REGISTRATION

Professional Engineer, West Virginia, 1987; Ohio, 2013 Professional Surveyor, West Virginia, 1995

#### AFFLIATIONS

American Council of Engineering Companies (ACEC) West Virginia Society of Professional Engineers (WVSPE)

American Society of Civil Engineering (ASCE) National Society of Professional Engineers (NSPE) West Virginia Rural Water Association IOGA of West Virginia

#### **EXPERIENCE**

Years Experience with HBE: 33 Years Experience with Other Firms: 3

Trey Hornor, President of Hornor Brothers Engineers, has more than 30 years of design expertise to help meet the needs of clients in north central West Virginia area. His experience in all phases of project development is a valuable asset in providing reliable, professional consulting and service to the client.

#### **CURRENT RESPONSIBILITIES**

As President of the firm, Trey is responsible for the management and oversight of most of the firm's engineering assignments, assuring professional work and timely execution. Primary activities include work associated with planning, design and project management of water, sewer, and land development projects in West Virginia.

## Paul A. Hornor III, P.E. President



#### **PROJECTS**

Trey has been involved with the development and design of the following completed projects:

#### **Water Systems**

PROJECTS	COUNTY	~-
Mt. Hope Water Association	Upshur	3 projects
Adrian Public Service District	Upshur	7 Projects
Century-Volga PSD	Barbour	4 Projects
Town of West Union	Doddridge	3 Projects
Mannington PSD	Marion	3 Projects
Whitmer Water Association	Randolph	
Wetzel County PSD No. 1	Wetzel	4 Projects
Huttonsville PSD	Randolph	2 Projects
Bingamon PSD	Harrison	
Montana Water Association	Marion	
Gilmer County PSD	Gilmer	2 Projects
Clarksburg Water Board	Harrison	6 Projects
Gilmer County Commission (Kanawha Drive Water Project)	Gilmer	
Tri-County Water Association	Marion	
Sun Valley PSD	Harrison	

#### **Sewer Systems**

Design and overall project management of several sanitary systems, including a \$7,000,000 collection and treatment project for the Lumberport Area Public Service Sewer District in Harrison County.

#### Miscellaneous

Design and/or project oversight of land development projects, including oil and gas well sites, comprised of earthwork and embankment, drainage, paving, erosion and sediment control and restoration. Completed projects include parking areas, residential subdivisions, commercial and industrial sites, oil and gas well sites, and airport development.



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#### PROFILE

#### **EDUCATION**

B.S.E.T. Civil Engineering, Fairmont State College, 1982

#### REGISTRATION

Professional Engineer, West Virginia, 1999 Professional Engineer, Ohio, 2013 Professional Surveyor, West Virginia, 1990

#### **EXPERIENCE**

Years Experience with HBE: 35 Years Experience with Other Firms: 0

Tom Corathers, Senior Project Manager for HBE, has served in various capacities during his tenure. He is experienced and knowledgeable in the surveying, design, estimating and management of projects. Tom works closely with our clients, maintaining effective communication, while providing reliable, professional service.

#### AFFLIATIONS

American Society of Civil Engineers (ASCE) National Society of Professional Engineers (NSPE) West Virginia Association of Land Surveyors

#### **CURRENT RESPONSIBILITIES**

As Senior Project Manager, Tom is responsible for the general oversight of the office engineering and technical design work. His primary activities include planning, design, review and project management of Marcellus oil and gas well site and pit design, land development, drainage, site design, roadway design, retaining wall design, lands slip remediation, sidewalk, streetscape and paving projects.

#### **MISCELLANEOUS**

Design and/or project oversight of storm water control, storm water management, earth work slide correction and concrete and block retaining wall projects. As a former survey manager for the firm, Tom provides advice and counsel on surveying related issues as the need arises.

## Thomas D. Corathers P.E., P.S. Senior Project Manager



#### **PROJECTS**

Tom has been involved with the development, design and project management of the following projects:

Sewer Projects	County
Heritage Farms Subdivision	Harrison
Valley View Subdivision	Harrison
Lumberport Area Public Sewer Service District	Harrison
John Brennan, Route 50, Quik Mart Store	Taylor

Streetscape Projects	County
City of Clarksburg Streetscape (6 projects)	Harrison
City of Bridgeport Streetscape (3 projects)	Harrison
City of Weston Streetscape (2 projects)	Lewis
City of Morgantown	Monongalia

Land Development/Subdivision Projects	County
Highland Court	Harrison
Crystal Ridge	Harrison
Heritage Farms	Harrison
Bennett Manor	Harrison
Auburn Village	Harrison
Heavenly Trails	Marion
Timber Ridge	Marion

Paving and Drainage Projects	County
United Hospital Center (6 projects)	Harrison
Fairmont State College (5 projects)	Marion
Harrison County Board of Education (2 projects)	Harrison
Town of Lost Creek (2 projects)	Harrison

Site and Infrastructure Projects	County
Gas Well Site Pads, Pits and Access Roads	Various
UHC New Hospital Site	Harrison
G.A.L. Land Company (Several Projects)	Harrison
KLW L.L.C./Ken Woody/Smith Services	Upshur
WYK Associates/ Public Safety Sub-Station, City of Bridgeport	Harrison
Saad Mossallati/POB Facility	Harrison
Tolley Electric	Harrison
City of Clarksburg/Northview Retaining Wall	Harrison
WYK Associates/Bank of Gassaway	Braxton
WYK Associates/VA Hospital	Harrison



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#### PROFILE

#### **EDUCATION**

B.S., Civil Engineering, West Virginia University, 2015 Overall GPA: 4.0

#### REGISTRATION

Engineer Intern, E.I., West Virginia, 2015

#### **EXPERIENCE**

Years Experience with HBE: 2
Years Experience with Other Firms: 0

Elijah Meyer, Project Designer for HBE, has experience in many facets of civil engineering design. Elijah is knowledgeable and capable of performing design, estimation and management of projects ranging from oil and gas well site development to the hydraulic analysis and design of public water distribution systems. Elijah's commitment to quality deliverables and customer service is a valuable asset to Hornor Brother's continued success in north central West Virginia and the surrounding communities.

#### **CURRENT RESPONSIBILITIES**

As a project designer, Elijah's duties include the design of land development projects including those in the oil and gas industry. These projects often include the design of access roads, embankments, building/well pads, impoundments and above ground storage tank pads. Elijah's other duties dealing with land development projects also include the design and analysis of: erosion and sediment controls, storm water management systems, and remedial embankment slip repairs.

Other responsibilities include, but are not limited to, hydraulic analysis and design for public water distribution systems, flood analysis and floodplain delineation, and project cost estimation.

Elijah D. Meyer, E.I. Project Designer



#### WORK EXPERIENCE

Project Designer

Hornor Brothers Engineers

- Design of various gas well site pads, impoundments and access roads
- Design of various commercial land development projects
- Various embankment and slip repairs
- Flood analysis and Floodplain delineation for commercial sites and oil/gas sites
- Water distribution system design and hydraulic analysis
- Stormwater management design and analysis for land development projects
- Resident project representative for construction observation of water distribution projects

#### RELATIVE PROJECTS

Elijah has been involved with the development and design of the following projects at Honor Brothers Engineers:

PROJECTS	COUNTY
R.G. Honda Site Development	Harrison
Jason Underwood Bridgeport Site Development	Harrison
Mannington PSD Flaggy Meadow Project	Marion
Monumental PSD Waterline Replacement	Marion
Various Adrian PSD Waterline Projects	Upshur
Mahindra Tractor Floodplain Revision	Harrison
Utica and Marcellus Oil/Gas Site Development	Various
Oil/Gas Well Site Embankment Slip Repairs	Various



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#### PROFILE

#### **EDUCATION**

M.B.A., London School of Business & Finance, 2013 Professional Certificate, Stanford University, Advanced Project Management, 2011

B.S., Civil Engineering Technology, Bluefield State, 2009

#### REGISTRATION

Project Management Professional, 2011 Stanford Certified Project Manager, 2010

#### **EXPERIENCE**

Craig Howard, Project Designer for HBE has more than 8 years experience in oil and gas and transportation projects. He is experienced and knowledgeable in the surveying, development, estimating, and management of projects from initiation to closeout. His ardent understanding of business objectives and experience in all phases of project development is a valuable asset ensuring clients are provided professional and efficient service.

#### **CURRENT RESPONSIBILITIES**

As a Project Designer, Craig's duties include site development design for gas well sites including earthwork, drainage, erosion and sediment control and construction quantities utilizing AutoCAD and Civil 3D.

Other responsibilities include design and hydraulic analysis for public water distribution systems.

#### Craig S. Howard, PMP Project Designer



#### WORK EXPERIENCE

Project Designer

Hornor Brothers Engineers, Clarksburg, WV

- Design of various as well site pads, access roads and related features
- Slip remediation and as-built drawings
- Water distribution design and hydraulic analysis

Officer, Engineering & MW&S

Norfolk Southern Corporation, Charlotte, NC

- Amtrak Expansion Project Project oversight of land development and construction including survey
- Track Stabilization / Remediation (Various)
- Project oversight for structural steel selection and installation
- Served as track inspector reporting irregularities and recommended remediation for structural, soil stabilization and erosion.

Project Manager

UTEC Survey Inc., Houston, TX

Project oversight of the development, design, execution, and reporting for:

- Enterprise Redhawk Site Expansion
- BP Atlantis Site Expansion
- Noble Alen Field Development
- PDVSA Geophysical and Geohazard Surveys
- Shell Europa Field Development Array Design and Metrologies
- HESS Tubular Bells Field Development
- Enbridge Field Development
- Williams DGT Geophysical and Geohazard Surveys
- Shell BC-10 Field Development
- BP Thunderhorse Site Expansion
- Shell Cardamom Site Expansion



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#### PROFILE

#### **EDUCATION**

West Virginia University 1980-1984 Civil Engineering & Preparatory Courses

#### REGISTRATION

Professional Surveyor, West Virginia, 1996

#### **AFFLIATIONS**

West Virginia Society of Professional Surveyors

#### **EXPERIENCE**

Years Experience with HBE: 26 Years Experience with Other Firms: 2

John Hornor, Survey Manager, has experience which includes water system construction inspector duties and AutoCad operator experience for survey plats, water system mapping and site development drawings. John is also experienced as a field survey party chief for all types of land surveys, including property and topographic surveys, Alta surveys, elevation certificates, and construction stakeout.

#### CURRENT RESPONSIBILITIES

John directs the work of survey crews, which includes meeting with clients to review the scope of work, courthouse research, site visits and the preparation of maps, plats and descriptions. He also oversees the field survey operations for water and sewer projects, aerial mapping, subdivision layout and boundary surveys. He also has served as the resident project representative for construction observation of water distribution systems.

#### John W. Hornor, P.S. Surveyor Manager



#### **PROJECTS**

John has been involved in the surveying aspect of Hornor Brothers Engineers' property, land and municipal development and waterline projects, including the following:

Project	County
ALTA/ACSM Surveys	Various
Marcellus Gas Well Sites	Various
City of Bridgeport – Various Project	Harrison
G.A.L. Land Company - Various Projects	Harrison
Timberbrook Townhouse Development	Harrison
Highland-Clarksburg Hospital	Harrison
Harrison County 911 Center	Harrison
Webster County 911 Center	Webster
FRV Associates – Various Projects	Harrison/ Taylor
WYK Associates - Various Projects	Harrison
Hall Valley Estates	Harrison
Harrison County Board of Education	Harrison
United Hospital Center - Various Projects	Harrison
Charles Pointe - Various Site Development Surveys	Harrison
Highland Ridge Subdivision and Property Stakeout	Taylor
Jones Development/Fed Ex Ground	Harrison
Glimcher Group/Home Depot	Harrison
Bridgeport, Clarksburg, Weston & Morgantown Streetscape Projects	Various
Heritage Farms Subdivision	Harrison
Water Project Mapping for Whitmer Water Association, Town of West Union, Adrian PSD, Huttonsville PSD, Wetzel PSD, Mannington PSD and others	Various
Land Management Group	Marion
NRCS Hardy County Dam Project	Hardy
NRCS Elkwater Fork Dam Project	Randolph
Hall Valley Estates Subdivision	Harrison

## ATTACHMENT B HORNOR BROTHERS ENGINEERS

		T OF ENVIRONMENTAL		
		<u>LIFICATION QUESTION</u>	NAIRE	Attachment ''B''
PROJECT NAME Weston (Williams)Landslide - EPAM16027	DATE (DAY, MONTH 10 Septemb		FEIN 55-0	197150
1. FIRM NAME Hornor Brothers Engineers	2. HOME OFFICE B P.O.Box 386, Cla	SUSINESS ADDRESS rksburg, WV 26302-0386	3. FORMER N∕	
304-624-6445 190		6. TYPE OWNERSHIP Individual <u>Corporati</u> Partnership Joint-Ver	nture	6a. WV REGISTERED DBE (Disadvantaged Business Enterprise) YES <u>NO</u>
7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TE Hornor Brothers Engineers/P.O. Box 386,Cl	LEPHONE/ PERSON 1 arksburg, WV 2630	IN CHARGE/ NO. AML DESIGN : 02-0386/304-624-6445/Paul :	PERSONNEL A. Hornor	EACH OFFICE III/8
8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS Paul A. Hornor III	OF FIRM	8a. NAME, TITLE, & TELEPH John W. Hornor, P.S. S Marshall W. Robinson,	Survey Mana	nger 304-624-6445
9. PERSONNEL BY DISCIPLINE	-			
2 ADMINISTRATIVE — ECOLOGI — ARCHITECTS — ECONOMI — BIOLOGIST — ELECTRI 1 CADD OPERATORS — ENVIRON — CHEMICAL ENGINEERS — ESTIMAT 2 CIVIL ENGINEERS — GEOLOGI — CONSTRUCTION INSPECTORS — HISTORI 2 DESIGNERS — HYDROLOGI — DRAFTSMEN	STS CCAL ENGINEERS MENTALISTS CORS STS	LANDSCAPE ARCHITEC MECHANICAL ENGINER MINING ENGINEERS PHOTOGRAMMETRISTS PLANNERS: URBAN/RE SANITARY ENGINEERS SOILS ENGINEERS SPECIFICATION WRITERS	egional	— STRUCTURAL ENGINEERS 3 SURVEYORS — TRAFFIC ENGINEERS — OTHER  10 — TOTAL PERSONNELL
TOTAL NUMBER OF WV REGISTERED PRO *RPEs other than Civil and Minin supervise and perform this type o	g must provide :	NEERS IN PRIMARY OFFICE: supporting documentation	that qua	lifies them to
10. HAS THIS JOINT-VENTURE WORKED TOGETHE	R BEFORE?	res □ no n/a		

11. OUTSIDE KEY CONSULTANTS/SUB-CONSULTA	NTS ANTICIPATED TO BE USED. Attach "AML C	Consultant Qualification Questionnaire".
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
G.A. Covey		
394 W. Main Street	Geotechnical	X Yes
Sutton, WV 26601		<del></del>
		No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
		is
		Yes
		No
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NAME AND ADDRESS:	SPECIALTY:	No
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NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
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		Yes
		No
NAME AND ADDRESS:	SPECIALTY:	WORKED WITH BEFORE
		Yes
The state of the s		No

12, A.	Is your firm's personnel experienced in Abandoned Mine Lands Remediation/Mine Reclamation Engineering?
_	(ES Description and Number of Projects: Three (3) projects, Stanley Subsidence II AML Enhancement
Project, Har	rison County, (construction complete; Century-Volga PSD Brushy Fork Waterline Extension Project, Barbour
County (Cons	struction Complete; Summit Park PSD Waterline Replacement Project, Harrison County (construction complete)
	NO
В.	Is your firm experienced in Soil Analysis?
	YES Description and Number of Projects:
	<u>NO</u>
C.	Is your firm experienced in hydrology and hydraulics?
would include company prof	PYES Description and Number of Projects: We have performed waterline pipe hydraulic analysis as part of process for more than 50 water system expansion or replacement projects. We have also performed studies of pre and post runoff and storm water management for many site development projects. This let the new United Hospital Center in Harrison County. Please see the site development section of our file for additional projects that required hydrological and hydraulic analysis associated with surface and management.  NO
D.	Does your firm produce its own Aerial Photography and Develop Contour Mapping?
	YES Description and Number of Projects:
and provide	the ground control associated with it using RTK. We regularly work with Blue Mountain Inc. we an in-house land surveying crew that provides boundary feature location and contour surveys.
E.	Is your firm experienced in domestic waterline design? (Include any experience your firm has in evaluation of aquifer degradation as a result of mining.)
replacement	YES Description and Number of Projects: <u>Domestic waterline design comprises a significant part of our lornor Brothers has experience with the design and project administration for more than 50 new or waterline projects. Please see the waterline section of our company profile for a detailed description uphs of more recent projects which are attached as a part of this proposal.</u>
F.	Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design?
	YES Description and Number of Projects:
	NO

manigorio servino de termo (agrano a figiral presentante e transferi e incluenta de la compania de la figiral de la figura de la f

Market his out of the said life is all purely			
13. PERSONAL HISTORY STATEMENT OF PR	RINCIPALS AND ASSOCIATES RESPO	ONSIBLE FOR AML PROJECT DESIGN	N (Furnish complete
data but keep to essentials)	FERROR SECTION OF THE		According to the Control of the Cont
NAME & TITLE (Last, First, Middle Int.)	·	YEARS OF EXPERIENCE	
Hornor III, Paul A., President	YEARS OF AML DESIGN EXPERIENCE:	YEARS OF AML RELATED DESIGN EXPERIENCE: 33	YEARS OF DOMESTIC WATERLINE DESIGN EXPERIENCE: 33
Brief Explanation of Responsibilitie	es		<u> </u>
Paul A. Hornor III is responsible for includes the overall planning, designment Virginia	or the management and execution and project management of w	on of the firm's assignments. water, sewer, and land develop	Primary activities pment projects in
EDUCATION (Degree, Year, Specializat BS, 1982, Civil Engineering	ion)		
MEMBERSHIP IN PROFESSIONAL ORGANIZAT Professional Engineers; American Soc National Society of Professional Eng Association; American Council of Eng WV Association of Land Surveyors	eiety of Civil Engineers; gineers; WV Rural Water	REGISTRATION (Type, Year, St Professional Engineer, 1987 Professional Surveyor, 1995	, WV
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EDUCATION (Degree, Year, Specializat	ion)				
MEMBERSHIP IN PROFESSIONAL ORGANIZAT	TIONS	REGISTRATION (Type, Year, St	ate)		

14. PROVIDE A LIGHT OF GOTTING	
14. PROVIDE A LIST OF SOFTWARE AND EQUIPMENT AVAILABLE IN THE PRIMARY OFFICE WHICH WILL BE USED	TO COMPLETE AML
DESIGN SERVICES	
Office Software - AutoDesk Civil 3D 2019, AutoDesk Land Desktop, Hydrocad, Google Earth, Microsoft Office etc.)	(Word, Excel, Powerpoint,
	<u> </u>
Field Equipment - Topcon and Nikon Total Stations, Data Collectors, Trimble GPS GEO Explorer, T Levels	rimble RTK GPS system,
Office Regionant Visuales desites complete VID District C. 1	
Office Equipment - Various desktop computers, HP Plotter, Color and Black and White Copiers	
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PROJECT NAME, TYPE AND	NAME AND ADDRESS OF	NATURE OF YOUR FIRM'S	ESTIMATED CONSTRUCTION	PERCENT COMPLETE
LOCATION Adrian PSD VIII	OWNER Adrian PSD	RESPONSIBILITY	COST	
Waterline Ext. Project Jpshur County, WV	P.O. Box 87 French Creek, WV 26218	Complete project design and construction phase engineering, observation and administration	\$7,145,000	Design 25%; Construction not anticipated to start until 2020
Monumental PSD Materline Ext. and Emprovement Project Marion County, WV	Monumental PSD 862 Husky Highway Ste.1 Fairmont, WV 26554	Complete project design and construction phase engineering, observation and administration	\$9,762,000	Design 60%; Construction not anticipated to start until 2020
Mannington PSD Waterline Ext. Project Marion County, WV	Mannington PSD P.O. Box 205 Mannington, WV 26582	Complete project design and construction phase engineering, observation and administration	\$2,345,000	Design 90%; Construction not anticipated to start until 2019
City of Clarksburg Road Slip Repairs Marrison County, WV	City of Clarksburg 222 West Main Street Clarksburg, WV 26301	Complete project design and construction phase engineering, observation and administration	\$250,000	Design 100%; Construction anticipated to start Fall 2018
	۸		A A	
OTAL NUMBER OF PROJECT:	S: 4	TOTAL ESTIM	ATED CONSTRUCTION COSTS:	\$19.502.000

PROJECT NAME, TYPE AND LOCATION	NATURE OF FIRMS RESPONSIBILITY		ESTIMATED COMPLETION DATE	ESTIMATED CONSTRUCTION COST			
				ENTIRE PROJECT	YOUR FIRMS RESPONSIBILITY		
Various Marcellus Shale Well Site Developments. Harrison,Doddridge and Ritchie Counties, WV	Civil Site design and construction representation	EQT Production Co. 115 Professional Place Bridgeport, WV 26330	Open-ended		\$1,000,000		
			_				
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17. COMPLETED WORK WITHIN LAST	5 YEARS ON WHICH YOUR FIRM WAS	THE DESIGNATED ENGINEER OF RECORD		
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST	YEAR	CONSTRUCTED (YES OR NO)
Adrian PSD, Phase VII Water Tanks Project Upshur County, WV	Adrian PSD P.O. Box 87 French Creek, WV 26218	\$772,468.00	2018	YES
Downs PSD Waterline Relocation Project Marion County, WV	Downs PSD 862 Husky Highway, Ste. 1 Fairmont, WV 26554	\$200,000.00	2018	YES
Huttonsville PSD, Phase II Waterline Ext. Project Randolph County, WV	Huttonsville PSD P.O. Box 277 Mill Creek, WV 26280	\$5,217,181.54	2017	YES
Adrian PSD Phase VI Waterline Ext. Project Upshur County, WV	Adrian PSD P.O. Box 87 French Creek, WV 26218	\$4,427,562.12	2017	YES
Wetzel Co. PSD No. 1 Phase IV Waterline Ext. Project Wetzel County, WV	Wetzel County PSD No. 1 P.O. Box 456 Reader, WV 26167	\$2,918,132.57	2016	YES
Mt. Hope Water Association New Booster Pump Station Project Upshur County, WV	Mt. Hope Water Association P.O. Box 684 Buckhannon, WV 26201	\$246,694.72	2015	YES
United Technical Center Sewerline Ext. Project Harrison County, WV	United Technical Center 251 Marietta Street Clarksburg, WV 26301	\$393,644.20	2014	YES

18. COMPLETED WORK V	VITHIN LAST 5 YEARS ON WH	ICH YOUR FIRM HAS BEEN A SUB-CO	NSULTANT '	TO OTHER FIRMS	(INDICATE PHASE
	CH YOUR FIRM WAS RESPONS				<u></u>
PROJECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED WITH
Various Marcellus Shale Well Site Developments Harrison, Doddridge and Ritichie Counties, WV	EQT Production Co. 115 Professional Place Bridgeport, WV 26330	10,000,000	Open- Ended	YES	Allegheny Surveys, Inc.
Robinson Grand Preforming Arts Theater Harrison County, WV	City of Clarksburg 222 West Main Street Clarksburg, WV 26301	200,000	2017	YES	WYK Associates
19. Use this space to qualifications to	 	 information or description of r st Virginia Abandoned Mine Land	esources :	supporting your	firm's
<pre>million cubic yar and pad embankmen included all the retaining walls, of this project.</pre>	rd embankment at Benedum Ants throughout north-cents related design elements, etc Therefore, we have Our proposed sub-contractions to developments we have	ountless site development design Airport in Harrison County, and ral West Virginia over the past including drainage, sediment a wealth of expertise that coutor, G.A. Covey, Inc. has proviperformed in the past five (5)	more than seven (7) nd erosion ld be appl ded the ge	n 100 gas well ) years. These n control, acce lied to the sin	site access roads projects have ess roads, milar requirements aluations for most
	a statement of facts.	Title: PRESIDEN	<i>&gt;</i> _	Date: SEP	11,2018
Printed Name:	Flavor				<u>-</u>

## ATTACHMENT B G.A. COVEY ENGINEERING SUB-CONSULTANT

	WEST VIRGINIA DEPARTMEN	T OF ENVIRONMENTAL PROTECTION
	AMI. CYNTOTT MARIN APPR	LIFICATION QUESTIONNAIRE Attachment "B"
	TARREST CONTROL DATE (DAY, MONTH	, YEAR) FEIN
	Landside - EPAMILLOZ7 10 Sept	ember 2018 55-0715654
	G.A. Covey Engineering PLC Boy W Mein	
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	4. HOME OFFICE TELEPHONE 5. ESTABLISHED (YEAR)	DA. WV DRCTORDED AND
-	(304)750-3303 1991	(Disadvantaged Business
	7. PRIMARY AML DESIGN OFFICE: ADDRESS / TELEDUCATE /	VPC (FG
	7. PRIMARY AML DESIGN OFFICE: ADDRESS/ TELEPHONE/ PERSON SHY W. MENO St. Sutton, WV 2401/(304)	IN CHARGE/ NO. AML DESIGN PERSONNEL EACH OFFICE
	S NAMES OF PATTOCK	
	8. NAMES OF PRINCIPAL OFFICERS OR MEMBERS OF FIRM	Ga. NAME, TITLE, & TELEPHONE NUMBER - OTHER PRINCIPALS
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	9. PERSONNEL BY DISCIPLINE	
<b>Q</b>	ADMINISTRATIVE — ECOLOGISTS	I AND COMPANY AND COMPANY OF THE PARTY OF TH
,	- ARCHITECTS - ECONOMISTS	- LANDSCAPE ARCHITECTS - MECHANICAL ENGINEERS SURVEYORS
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2	- CHEMICAL ENGINEERS - ESTIMATORS	- PHOTOGRAMMETRISTS - OTHER - PLANNERS: URBAN/REGIONAL
4	CIVIL ENGINEERS — GEOLOGISTS CONSTRUCTION INSPECTORS — HISTORIANS	SANITARY ENGINEERS SOILS ENGINEERS
	- Designers - Hydrologists	- SPECIFICATION / 5 TOTAL PERSONNELL
	Draftsmen	WRITERS
22	TOTAL NUMBER OF WV REGISTERED PROFESSIONAL ENGINEER	S TY DUTINBY ADVISOR
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	USTY H. COVEY	
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1	10. HAS THIS JOINT-VENTURE WORKED TOGETHER BEFORE?	SS ENO NA
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	Is your firm's personnel experienced in Abandoned Mine Lands Remediation/Mine Reclamation Engineering?	
	Description and Number of Projects: 120015 Projects: 120015	
·	Servey saa Engineering from 1993- present	
	NO J GATTER DESCRIPTION	
В.	Is your firm experienced in Soil Analysis?	
	(YES) Description and Number of Projects: Vanous pages thoughout un	
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	NO	
C.	Is your firm experienced in hydrology and hydraulics?	
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	YES Description and Number of Projects: Vanas Projects throughout Bracks	
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D.	Does your firm produce its own Aerial Photography and Develop Contour Mapping?	
	YES Description and Number of Projects:	
	and Muliber of Projects:	
	NO NO	
E.	Is your firm experienced in domestic waterline design? (Include any experience your firm has in evaluation of aquifer degradation as a result of mining)	
	· · · · · · · · · · · · · · · · · · ·	
	(YES) Description and Number of Projects: Venous projects tomoughous	
···	Brayton Co. O. 1916	75
	Mo Breeton, Causey, Lov	
F.		
	Is your firm experienced in Acid Mine Drainage Evaluation and Abatement Design?	
	YES Description and Number of Projects:	
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JECT NAME, TYPE AND LOCATION	NAME AND ADDRESS OF OWNER	NATURE OF YOUR FIRM'S RESPONSIBILITY	ESTIMATED CONSTRUCTION COST	PERCENT COMPLETI
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				ENTIRE PROJECT	YOUR FIRMS RESPONSIBILITY
PNG103, Slip Repair, Big Rum, WV	Quality Control	EQT Production Company 115 Profession / Place Bridge port WV	9/15/18		30,000
Yablanski, AST Pad, Clarksville, PA	Quality Control	EQT Production Company 11st Profesional Place Bridgeport, WV	9/22/18		25,000
BIG 245, Well Pad ound County Route Improvements Big Run, WV	Quality Control	EQT Production Company African Place Bridgeport, WV	12/1/18	-	40,000
321-79-105.06 I-79 Browkaway Cable Grandonil Multiple Counties	Quality Control	WVDOH 1900 Kegawa BludE Charleston WV	6/1/19		30,000
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18. COMPLETED WORK W	ITHIN LAST 5 YEARS ON WHI	ICH YOUR FIRM HAS BEEN A SUB-CO	177777 7194		
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AND LOCATION	NAME AND ADDRESS OF OWNER	ESTIMATED CONSTRUCTION COST OF YOUR FIRM'S PORTION	YEAR	CONSTRUCTED (YES OR NO)	FIRM ASSOCIATED
BIB46th, Well Pad Geotechical Study Big Run, WV	EQT Production Compay, 115 Professional Place Bridgeport, WV	150,000.	2016	Yes	Allegheny Surveys Inc
Wiley, Wall Pad Geotechnical Study Greene Co., PA	Vaitage Energy Appalachia 116 Enverness Drive E. Enformed, CO 80112	75,000	2016	Yes	Buord Benchekt Assuc
Chrksburg AMSA Sinkhole Geotechnical Study Clarksburg WV	WV National Board 1703 Loonskin Pr Charleston WV	25,000	2017	Yes	.Fratello+Amico,Inc
	•		,		
19. Use this space to property qualifications to property the space of	provide any additional in perform work for the West	nformation or description of re Virginia Abandoned Mine Lands	sources s Program.	upporting your	firm's
20. The foregoing is a	statement of facts.				
Signature:	1	Title: Manager		Pate: 8-30.	- 2010
Printed Name: 6-uy	Corry			ace:	2018

# ATTACHMENT C

PROJECT  Exp. Basis C=Corp. P=Personal  Additional Info Provided in Section (s)	PROJECT EXPERIENCE REQUIREMENTS								PRIMARY STAFF PARTICIPATION/CAPACITY M=Management P=Professional			was										
	Abandoned Surface Mine Reclamation	Abandoned Deep Mine Reclamation	Portal/Shaff Closure	Hydrologic/Hydraulic Design/Eval.	Remining Evaluation	Mine/Refuse Fire Abatement	Subsidence Investigation Mitigation	Hazardous Waste Disposal	Project Specifications	Water Quality Evaluation/Mitigation/Repla	Construction Inspection/Management	Water Treatment	Equipment/Structure Removal	Stream Restoration	Geotechnical/Stability	Paul A. Homor, P.E., P.S.	Tom C. Corathers, P.E. P.S.	Elijah Meyer	John W. Hornor, P.S.	Tom Childers (CADD)		
Stanley Subsidence II AML Enhancement Project	C, P			х	х		х		x		X							M. P				
Century-Volga PSD Waterline Ext. for AML	C, P	<u> </u>				×			_^_				X		<u> </u>			1		<u> </u>	P	Р
UHC Replacement Hospital Site Design	C, P	Yes				×						×			<b>-</b>			M, P			P	P
Benedum Airport Runway Extension, Bridgeport, WV	C, P	Yes				×						<u>^</u>			х	×	X	M, P	P		Р	P
Heritage Farms Subdivision, Bridgeport, WV	C, P	Yes				x	_					x	^	<u> </u>		<u> </u>	X	P	P		P	_
Army National Guard Fixed Wing Training Site, Harrison	C, P	Yes	_			х	-						X				x	P	M, P		P	Р
Fed Ex Ground Facility, Harrison County	C, P	Yes		_		×	<u> </u>		_		x	x						M. P	-		P	P
Route 279 North Bridgeport Bypass, Harrison County	C, P	Yes				х				_	x	_ <u>^</u> _						P P	P		Р	P
Physician's Office Building Site on UHC New Campus	C, P					х						x	×					M. P	P		P	P
Bridgeport Public Safety Substation	C, P					Х												W, F	M, P		Р	P
Summit Park PSD Waterline Replacement Project (AML)	C, P					х					x		×					M, P	Р.		P	P
G.A.L. Company Industrial Site Development	C, P					х					х		×					P	M, P		P	P
Lakeside Place Apartments	C, P	Yes				х					×							М	P	Р	P	
Timberbrook Apartments	C, P	Yes				X												М	Р	<u>.</u> Р	P	-
R.G. Motorsports	C, P	Yes				х		,	_		х							M	_ ' _ P	P	P	
GAL Land Industrial Site	C, P	Yes				х					х							M	M,P		p '	
Numerous (100±) Gas Well Site Developments	C, P	Yes				х				$\dashv$	x				-		х	М.Р	Р.	р	_	р

<sup>\*</sup> List whether project experience is corporate or personnel based or both.

<sup>\*\*</sup> Use this area to provide specific sections or pages if needed for reference.

<sup>\*\*\*</sup> List Primary Design personnel and their functional capacity for the projects listed.

# DISCLOSURE OF INTERESTED PARTY TO CONTRACT & PURCHASING AFFIDAVIT

# West Virginia Ethics Commission Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Hame of Contracting Business Entity: BROTHERS ENGADDRESS: P.S. Box 386
CLARKSBURG, WY ZLOOZ
Name of Authorized Agent: TREY HORNOR Address:
Contract Number: Contract Description: WESTON (W MANS) LANDS LINE
Governmental agency awarding contract: WVDEA - AML
☐ Check here if this is a Supplemental Disclosure
List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):
1. Subcontractors or other entities performing work or service under the Contract
☐ Check here if none, otherwise list entity/individual names below.
G. A. COVEY ENGINEERING, PLCC
2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)
☐ Check here if none, otherwise list entity/individual names below.
MARSHALL W. ROBINSON
3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)
Check here if none, otherwise list entity/individual names below.
Signature: Treey Lourn Date Signed: SERT 11, 2018
Notary Verification
State of
TREY HORNOR the authorized agent of the contracting business
I,, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.
Taken, sworn to and subscribed before me this day of day of 2018
- Cheri & Newton
To be completed by State Agency:  Notary Public's Signature STATE OF WEST VIRGINIA  CHERLY HERRITAGE  CHERT
Date Received by State Agency:  1514 N. 23RD STREET
Date submitted to Ethics Commission:
Governmental agency submitting Disclosure:    MY COMMISSION EXPIRES MARCH 27, 2020     Revised Jone 8, 2018

# STATE OF WEST VIRGINIA Purchasing Division

#### **PURCHASING AFFIDAVIT**

COMSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: 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:**

WITNESS THE FOLLOWING SIGNATURE:

CLARKSBURG, WV 26301

MY COMMISSION EXPIRES MARCH 27, 2020

"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 (IV. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, 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.

# Vendor's Name: HORNOR BROTHERS ENGINEERS Authorized Signature: Teay Lown Date: SET! 2018 State of WEST VIRGINIA County of HARRISON to-wit: Taken, subscribed, and sworn to before me this // day of SEPTEMBER 2018 My Commission expires March 27 , 2020. NOTARY PUBLIC OFFICIAL SEAL STATE OF WEST VIRGINIA HERERI L. HERSHMAN 1514 N. 23RD STREET NOTARY PUBLIC MONTARY PUBLIC MONTA

Purchasing Affidavit (Revised 01/19/2018)

# **COMPANY INFORMATION**



#### Civil, Environmental and Consulting Engineering

140 S. Third Street • P.O. Box 386 • Clarksburg, West Virginia 26302 Phone (304) 624-6445 • Fax (304) 624-6448 • www.HornorBrosEng.com

1902 116 YEARS OF ENGINEERING EXCELLENCE 2018



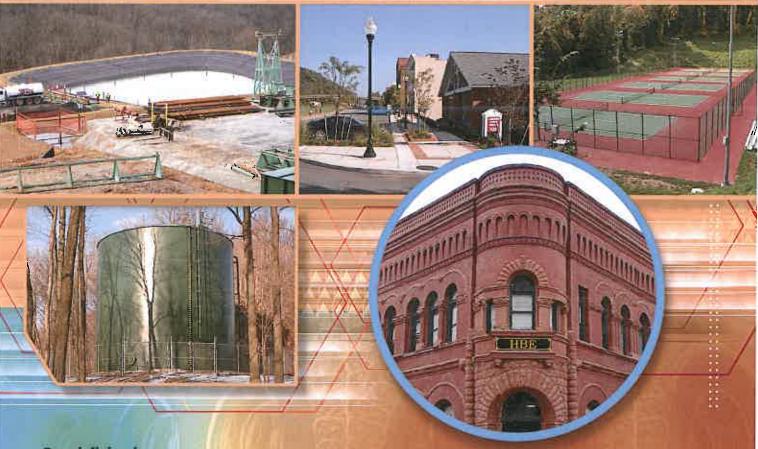
### **EXPRESSION OF INTEREST**

West Virginia DEP Weston (Williams) Landslide – EPAM 16027 CEOI 0313 DEP 190000002

# Civil Engineering Solutions Powered By 100+ Years of Experience

Locally owned and operated since 1902, **Hornor Brothers Engineers** is the oldest engineering firm in West Virginia. We combine the comprehensive experience of registered professional civil engineers and licensed surveyors with a dependable support staff to provide our clients with value driven results.

100+ years of experience is powerful...put it to work for you.



#### Specializing in:

- Civil Engineering
- Gas Well Site Development
- Land Surveying and Mapping
- Residential and Commercial
   Site Development
- Roadways
- Water and Sewer Systems
- Drainage Systems
- Project Management

# HORNOR BROTHERS ENGINEERS

140 S. Third Street • P.O. Box 386 • Clarksburg, WV 26302 P: 304,624,6445 | F: 304,624,6448

F 304.024.0445 | F. 304.024.0446

HornorBrosEng.com

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140 S. Third Street · P.O. Box 386 · Clarksburg, West Virginia 26302 (304) 624-6445 · Fax (304) 624-6448 · www.HornorBrosEng.com

#### **COMPANY PROFILE**

#### INTRODUCTION

The consulting firm of Hornor Brothers Engineers, located in Clarksburg, West Virginia was founded in 1902. Its principals are Paul Allen (Trey) Hornor III, John W. Hornor and Marshall W. Robinson. For over 100 years the firm has practiced civil engineering as it relates to public works and the environment. Throughout its history, Hornor Brothers Engineers (HBE) has combined the expertise of an experienced, professional engineering staff with a thorough knowledge of north central West Virginia to provide our customers with value driven results. We remain flexible, yet qualified to meet the needs of our clients in an ever-changing world, and continue to uphold our high standards of service in providing effective engineering solutions.

Through professional and personal interaction, Hornor Brothers Engineers' staff is available to identify project requirements, coordinate timely reviews and manage work tasks and other issues that need to be addressed, so that quality service on time and within budget can be completed to the client's satisfaction.

#### OVERVIEW OF ENGINEERING AND RELATED SERVICES

The firm specializes in land surveying, site development planning, the design and construction management of water and wastewater projects, airport development and other municipal and public works. We have considerable experience in working with most state and federal funding and regulatory agencies. The following is a complete list of the engineering and related services for which Hornor Brothers Engineers is qualified and capable.

Airport Facilities	Funding Applications	Project Management
Civil Engineering	Gas Well Sites	Pumping Facilities
Coal-Related Consulting	General Consulting	Site Evaluations
Construction Observation Services	Highways and Roads	Subdivision Development
Land Surveying & Mapping	Industrial Site Development	Wastewater Collection Systems
Drainage Systems	Infrastructure Investigations and Reports	Water Distribution and Storage
Economic Feasibility Studies	Municipal Engineering	,

#### LAND SURVEYING

Land surveying plays a major role in Hornor Brothers Engineers' scope of business. HBE has performed survey work for over 10,000 individual property owners and hundreds of commercial and industrial clients. These services include contour and feature location maps, lot and farm surveys, subdivisions, gas well locations, to name a few. These surveying capabilities compliment the firm's other areas of business, such as project design, and enable us to handle a maximum amount of project responsibility internally. The service areas for all of the firm's water system expansion projects are surveyed on the ground to produce highly detailed construction mapping. HBE utilizes survey grade GPS equipment, total station instruments with data collector and CADD capabilities, which help provide for timely, sharp, finished plats and drawings.

#### MUNICIPAL PROJECTS

Hornor Brothers Engineers has performed a wide range of municipal services including the design and construction phase services for small dams and reservoirs, tennis courts, city streets, conventional sidewalks, drainage systems, and all the project components associated with downtown streetscape improvements. The firm has also prepared multiple parking lot project designs, for United Hospital Center, Fairmont State College, and the City of Clarksburg among others.

Our history of successive projects with Fairmont State College, the United Hospital Center, and the cities of Clarksburg and Bridgeport and others is a reflection of our quality of performance in this area of development.

#### SITE DEVELOPMENT

Hornor Brothers Engineers also provides complete engineering services for the development of industrial parks and residential subdivisions. Our services include staking out the lots and designing the earth moving, streets, sidewalks, drainage systems, and water and sewer systems for the industrial or residential client. Hornor Brothers Engineers has been involved in the development of numerous industrial parks and subdivisions around north-central West Virginia. Sometimes this requires the complete turnkey services described above, and in other cases just the layout of lots or the design of water and wastewater systems. A listing of representative site development projects includes the following:

Industrial/Commercial Site Projects	County
UHC New Hospital Site	Harrison
Fed Ex Site	Harrison
Harrison-Marion Regional Airport	Harrison
Benedum Airport Industrial Park	Harrison
Midway Industrial Park	Harrison
Lewis County Industrial Park	Lewis
Bridgeport Public Safety Facility	Harrison
G.A.L. Land (various sites)	Harrison

<b>Subdivision Projects</b>	County
Heritage Farms	Harrison
Deerbrook	Barbour
Bennett Manor	Harrison
Auburn Village	Harrison
Heavenly Trails	Marion
Timber Ridge	Marion

On the following pages, see representative photographs and descriptions for several of the firm's various site development projects.

# FED EX GROUND DISTRIBUTION FACILITY HARRISON COUNTY, WEST VIRGINIA



HERITAGE FARMS RESIDENTIAL DEVELOPMENT



#### FRANKLIN ELEMENTARY SCHOOL FRANKLIN, WEST VIRGINIA 2013-2015

Hornor Brothers Engineers was part of the consultant team retained by the Pendleton County Board of Education to evaluate site selection and develop the project criteria for one of the first design-build new schools in West Virginia. Our role focused on the site criteria development portion of the project, including NPDES permitting.



Left: Undisturbed six (6) acre project site

Below: Finished school and site



#### BRIDGEPORT, WEST VIRGINIA 2006 – 2010

In 2002, Hornor Brothers Engineers teamed with the architectural firm of Gresham, Smith & Partners of Nashville, Tennessee and served as as the civil design firm for the new United Hospital Center. This project started construction in 2006 and the facility opened in 2010.

Hornor Brothers Engineers was responsible for the initial surveys, preparation of the site plans, design of a 2.1 million cubic yard engineered embankment and excavation, temporary and permanent erosion control, sediment and storm water management systems, and all site infrastructure consisting of paved roadways, paved parking, storm drainage, water distribution system and sanitary sewer system. The civil site development also included sidewalks and several large segmental block retaining walls. Pictures of the site work in various stages can be seen on the following pages.

# EMBANKMENT CONSTRUCTION PHASE FALL 2007



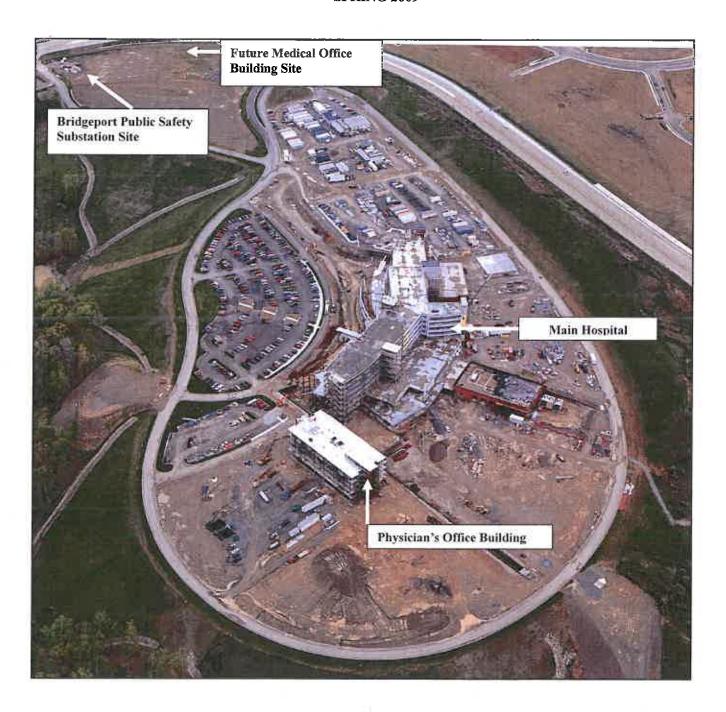
#### INFRASTRUCTURE PHASE SUMMER 2008



EAST/WEST VIEW SPRING 2009



# NORTH-SOUTH VIEW SPRING 2009



#### **JANUARY 2010**



OCTOBER 2010



# NEW UHC REPLACEMENT HOSPITAL Site Development Cost = \$15,000,000





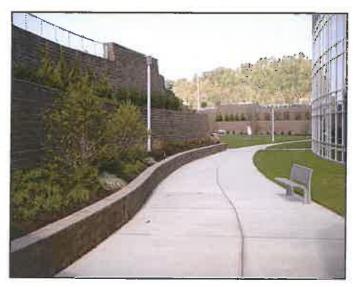






# NEW UHC REPLACEMENT HOSPITAL Site Development Cost = \$15,000,000







#### LAKESIDE PLACE APARTMENTS

Hornor Brothers Engineers performed the civil site design for the development of an upscale apartment complex near Hinkle Lake just south of Bridgeport, WV. There are two buildings with eight apartments in each. HBE's services included mapping of the property and all related surveying and construction stakeout. Design services included the coordination of geotechnical investigations, earthwork, highway access and roadways, parking, drainage, permitting, and water and sanitary sewer utility extensions.



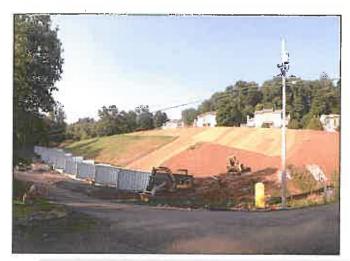




**View Looking South** 

#### TIMBERBROOK APARTMENTS

Located near Deegan Lake near Bridgeport, WV, the Timberbrook Apartment Complex features ten apartments with lake views. Hornor Brothers Engineers' services for the developer included coordination with the building architect, mapping of the property and all related surveying and construction stakeout. Design services included various conceptual plans, earthwork, permitting, access, drainage, and water and sanitary sewer extensions.



**Initial Site Development** 



**Finished Apartment Site** 

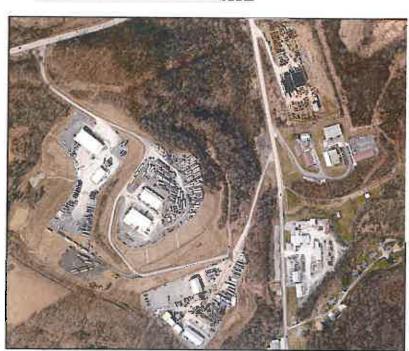
#### **R.G. MOTORSPORTS**

Hornor Brothers Engineers worked with the owner of R.G. Motorsports, who desired to enlarge and relocate his business closer to I-79 near Bridgeport, WV. HBE performed all of the mapping and related surveying, as well as the conceptual site design, sanitary sewer service with lift station, and water distribution system.



Site and Building Near Completion

#### GAL LAND INDUSTRIAL SITE



Hornor Brothers Engineers performed the civil site design for the development of an industrial park located near the intersections of U.S. Route 50 and Route 76 east of the City of Bridgeport, WV. Our services included mapping of the property and all related surveying, the design of three building pads ranging in size from four to seven acres each, access and connecting roadways, drainage, stormwater management, water and sanitary sewer utility extensions and construction stakeout.

Aerial Image of Industrial Park with Developed Building Pads Bounded by U.S. Route 50 to the North and Route 76 to the East. Stormwater Management Ponds Shown on the West Side

#### INDUSTRIAL GAS WELL SITE DEVELOPMENT

Hornor Brothers Engineers prepares civil engineering design and construction documents associated with the development of Marcellus shale well sites. These services include the design of access roads, impoundments, drill pads, associated drainage facilities and erosion and sediment control features. Well site designs are performed in accordance with state requirements, and impoundments and pits are certified by a professional engineer, following field inspection(s), who reviewed and approved the design documents.

The firm also provides periodic on-site project representation during construction to monitor the work as it relates to the design drawings, as well as site surveying services and courthouse deed research. Clients in this area of industrial site development include EQT, Antero Resources and PDC Mountaineer. The following photographs reflect different representative sites at various stages of development.



Frac Pit Site Preparation, Ritchie County, WV



Lined Frac Pit and Drill Pad Site, Ritchie County, WV



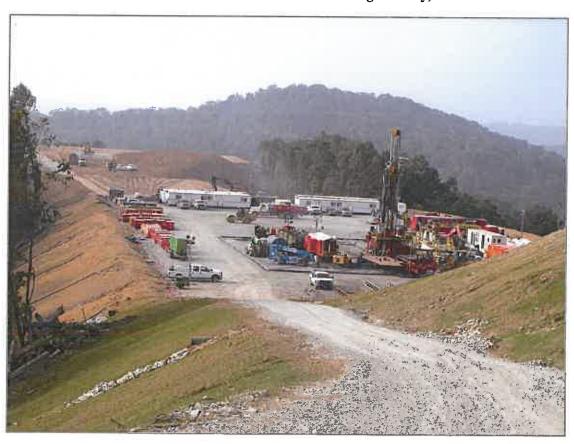
Drill Pad Site in Doddridge County, WV



Embankment Fill Keyway for Impoundment Site in Doddridge County, WV



New Access Road to Well Site in Doddridge County, WV



Access Road and Operating Drill Pad in Wetzel County

#### NORTH CENTRAL WEST VIRGINIA AIRPORT - BRIDGEPORT, WEST VIRGINIA

Hornor Brothers Engineers has a rich and long history of over 65 years with the North Central West Virginia Airport, which began as the Harrison County Airport in 1937. As the airport changed over the years, Hornor Brothers Engineers was the firm predominantly responsible for the improvements and additions to the facility. The years of 1960-1975 were the main development years for the airport. During this period of time there were nine major construction projects. From 1977 to 1995 there were 15 smaller projects, all funded primarily by the Federal Aviation Administration.

In 1993, Benedum Airport Authority embarked on a large and ambitious project to extend its main runway and parallel taxiway. Major design components of the project included a 10,000,000 cubic yard excavation and embankment; a 2,500 foot long, 72-inch structural steel culvert; runway and taxiway pavement and lighting; repaving the existing runway; fencing; utility line relocations; storm drainage system and a new instrument landing system.

The Benedum Airport Authority also hired Hornor Brothers Engineers to provide engineering design, inspection and construction management services for the construction of a 4,400 foot long (0.833 miles) access highway. This section of highway is known as Route 279, North Bridgeport Bypass.

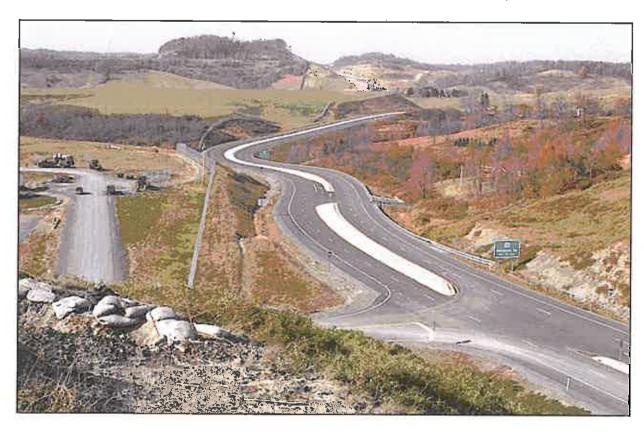
Also, the West Virginia Army National Guard (ARNG) hired Hornor Brothers Engineers to provide all phases of engineering design and inspection for the construction of the Eastern ARNG Aviation Training Site Fixed Wing Detachment at Benedum Airport. This facility consisted of a 37,200 sq. ft. training facility hangar with classroom, administrative and aircraft maintenance space, flexible and rigid paving for aircraft parking, new taxiway access to the main runway and the existing Tee Hangars, all supporting utilities, drainage structures and new access highway from U.S. Route 50. Following are pictures of the above referenced projects.

#### BENEDUM AIRPORT VARIOUS PROJECTS

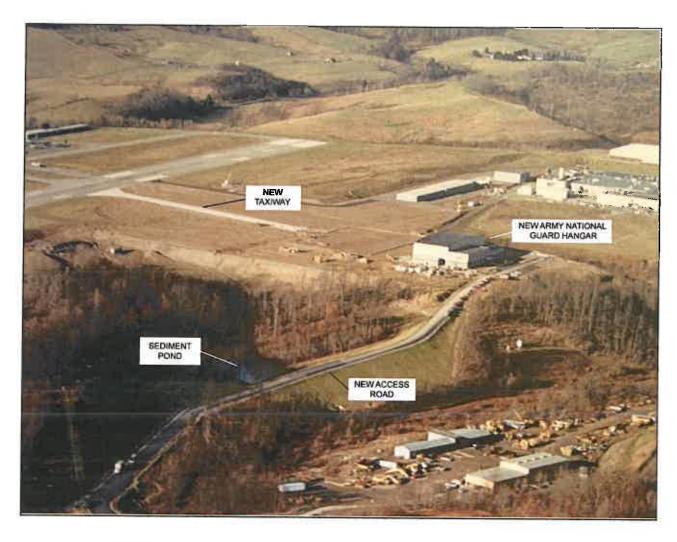




BENEDUM AIRPORT RUNWAY EXTENSION PROJECT



ROUTE 279, NORTH BRIDGEPORT BYPASS



EASTERN ARNG FIXED WING TRAINING SITE AT BENEDUM AIRPORT

#### SLIP REMEDIATION AND RELATED PROJECTS

Hornor Brothers Engineers is frequently called upon for the design of remedial site work or restoration, and related minor development. Typical design and construction elements can include pavement and sub-base repair, excavation and embankment, pile and lagging walls, subsurface drainage systems, surface drainage systems, erosion and sediment control, and landscaping.

The following are brief descriptions of several completed projects for which Hornor Brothers Engineers provided design only or both design and construction phase engineering services.

1. Project Name	Location	Owner	Contact Person	Cost
Retaining Wall and Repairs Along Randolph Street	Salem Harrison County, WV	City of Salem 229 W. Main Street	City of Salem James Plaugher, Former Mayor 229 W. Main Street Salem, WV 26426	\$ 146,982.00

**Project Description:** This project was designed to remediate a slide area between Randolph Street and Salem Fork creek. The design involved steel H piles, concrete lagging, repairs and the widening of Randolph Street pavement. Piles were driven to solid rock and concrete lagging was installed to stabilize the slide area.

2. Project Name	Location	Owner	<b>Contact Person</b>		Cost
United Hospital	Clarksburg	UHC	Geoff Marshall,	\$	166,590.00
Center Retaining	Harrison County,	327 Medical Park	V.P.	Ť	
Wall and Widening	WV	Drive	Engineering		
of Emergency		Bridgeport, WV	Support Services		
Room Access Road			(681) 342-1220		
Project Description:	This project was des	signed in order to widen t		ess ro	ad at the

**Project Description:** This project was designed in order to widen the emergency room access road at the United Hospital Center campus. The design involved 90 lf of drilled and grouted piles with concrete lagging, wales, controlled fill, catch basin, drainage pipe, guardrails and safety fencing.

3. Project Name	Location	Owner	Contact Person	Cost
City of Clarksburg Pile and Lagging Wall at 4 <sup>th</sup> Street	Glen Elk Section of Clarksburg Harrison County, WV	City of Clarksburg 222 W. Main Street Clarksburg, WV	Anthony Bellotte, Director of Public Works (304) 624-1681	Unknown. This was part of a larger project.

**Project Description:** As part of Clarksburg's Phase III streetscape project, a driven pile and concrete lagging wall was designed to support a section of sidewalk along Clark Street and to prevent the failure of a portion of Hogan Alley at the intersection of Hogan Alley and Clark Street in the Glen Elk section of Clarksburg.

4. Project Name	Location	Owner	Contact Person	Cost
Davis Funeral Home Slip Remediation Measures	Near WV Route 98 Between Clarksburg & Nutter Fort Harrison County, WV	Davis Funeral Home 1 Olen Thomas Dr. Clarksburg, WV	Randy Amos (304) 622-0270	\$ 110,000 00

**Project Description:** Hornor Brothers designed remedial measures to correct an embankment slip. These corrective measures included rock stabilization along the toe of the slip area, dump rock ditches, French drains and underdrains, repair of existing asphalt pavement and resetting existing preformed curb and gutter.

5. Project Name	Location	Owner	Contact Person	Cost
United Hospital Center Embankment Project	Clarksburg Harrison County, WV	UHC 327 Medical Park Drive Bridgeport, WV	Geoff Marshall, V.P. Engineering Support Services (681) 342-1220	\$ 108,000.00

**Project Description:** This project was designed in order to restore an old borrow site to the original contour. The design involved approximately 4600 cubic yards of controlled fill, associated underdrains to alleviate groundwater problems and rock stabilization. Surface erosion concerns were addressed by utilizing vegetative cover (grass), trees and biodegradable matting

# REFERENCES

#### REFERENCES

#### WATER SYSTEM DEVELOPMENT

#### ADRIAN PUBLIC SERVICE DISTRICT

Paul A. Spencer, Chairman P.O. Box 87, French Creek, WV 26218 Home (304) 472-00555 Nina Monroe, General Manager Office (304) 924-6107

## HUTTONSVILLE PUBLIC SERVICE DISTRICT

Louise McAtee, General Manager P.O. Box 277, Mill Creek, WV 26280-0277 Phone (304) 335-2035

#### MANNINGTON PUBLIC SERVICE DISTRICT

Dave Smith, Manager 486 Flaggy Meadow Road, Mannington, WV 26582 Phone (304) 376-9139

#### MT. HOPE WATER ASSOCIATION

Donnie Tenney, President 1925 Tallmansville Road, Buckhannon, WV 26201 Phone (304) 472-2526 Sheila Thomason, Office Manager Phone (304) 472-3153

#### RURAL UTILITIES SERVICE

David E. Satterfield, State Engineer (Retired) 153 Mingo Street, Morgantown, WV 26505 Phone (304) 296-8034

## SUMMIT PARK PUBLIC SERVICE DISTRICT

Mary Seymour, General Manager Route 1, Box 200D, Clarksburg, WV 26301 Phone (304) 623-6304

#### WETZEL COUNTY PUBLIC SERVICE DISTRICT NO. 1

Forrest Tennant, Chairman P.O. Box 36, Reader, WV 26167 Phone (304) 386-4578 Keith Nelsen, Former General Manager Phone (304) 771-3030

#### WHITMER WATER ASSOCIATION

Paula Teter, President P.O. Box 23, Whitmer, WV 26296 Phone (304) 227-4153

#### TOWN OF WEST UNION

Ralph Washington, Mayor 300 Court Street; P.O. Box 5 West Union, WV 26456 Phone (304) 873-1400 Duane Reynolds, Chief Operator P.O. Box 5, West Union, WV 26456 Phone (304) 873-1249

#### MUNICIPAL/SITE DEVELOPMENT

#### CITY OF CLARKSBURG

Mr. Anthony Bellotte, Director of Public Works 902 N. Third Street, Clarksburg, WV 26301 Phone (304) 624-1681

#### WYK ASSOCIATES, INC.

James Swiger, President 205 Washington Ave., Clarksburg, WV 26301 Phone (304) 624-6326 William E. Yoke (Retired) 554 East Main Street, Clarksburg, WV 26301 Phone (304) 624-4665

#### UNITED HOSPITAL CENTER

Geoff Marshall, Vice President Engineering Support Services 327 Medical Park Drive, Bridgeport, WV 26330 Phone (304) 342-1220

#### ALLEGHENY SURVEYS, INC.

Ben Singleton, Vice President 237 Birch River Road, P.O. Box 438 Birch River, WV 26610 Phone (304) 649-8606; Cell (304) 482-4889

#### BRIDGEPORT UNITED METHODIST CHURCH

Rev. Steve Engle, Associate Pastor 251 Worthington Drive, Bridgeport, WV 26330 Cell Phone (304) 677-1061