

ORIGINAL



Request for Proposal

Surveying & Mapping Services
Southern Counties of West Virginia
DEP 1600000016

West Virginia Department of
Administration & Department of
Environmental Protection

October 28, 2015



engineering | architecture | geospatial

GRW | 801 Corporate Drive | Lexington, KY 40503 | 859.223.3999

10/27/15 09:33:06
WV Purchasing Division

October 29, 2015

Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

Dear Sir or Madam,

RE: RFQ DEP 1600000016 – Surveying and Mapping Services for Southern Counties in WV

GRW is pleased to have the opportunity to respond to your request for the above referenced services. We have carefully reviewed the RFQ and stand ready to offer our services for this important project. Enclosed are GRW's Bid Schedule, Certification and Signature Page, Addendum Acknowledgment, Insurance Certificate, and Qualifications requested per the RFQ. GRW is registered with the West Virginia Purchasing Division.

Established in 1965, GRW is a large mapping, surveying, and engineering firm, with licenses in West Virginia and nationwide. Headquartered in Kentucky, we have branch offices in **St. Albans, Buckhannon, and Martinsburg, WV**. GRW is known for our high level of accuracy and personal service provided at affordable rates.

GRW has completed extensive geospatial services at mining industry sites since 1980, as both prime and subconsultant. Projects include providing the surveying and mapping of the northern and southern counties for the West Virginia AML as a subconsultant. GRW specializes in all services required for this contract.

GRW maintains all necessary licenses, and has several in-house Professional Surveyors and Engineers. This project will be managed by GRW's Principal-in-Charge, a **West Virginia licensed Professional Surveyor and Engineer**.

GRW has the experience, capacity, and equipment required to ensure the project's success and timely completion. With over 250 professionals, we have more than sufficient resources and are very proficient in the latest surveying and mapping technology.

If you have any questions or would like additional information, please don't hesitate to contact us.

Best Regards,
GRW



Ben D. Fister, PE, PLS, PSM
Vice President
BDF/sta



Table of Contents

- 1 Bid Schedule
- 2 Forms: Certification Signature Page, Acknowledgement Form, and Purchasing Affidavit
- 3 GRW Qualifications and Insurance Certificate



1 Bid Schedule – See attached

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Control Surveying	600	Hour	\$75.00	\$45,000
2	Topographic, Planimetric and Check Surveying	1800	Hour	\$75.00	\$135,000
3	Terrestrial LiDAR Collection	600	Hour	\$142.50	*
4	Mobile Scanner	300	Hour	Removed	
5	Topographic Mapping – Aerial Photography (0-25 Acres)	15	Acre	\$156.00	\$2,340
6	Topographic Mapping – Aerial Photography (25-50 Acres)	30	Acre	\$85.00	\$2,550
7	Topographic Mapping – Aerial Photography (50-100 Acres)	75	Acre	\$38.00	\$2,850
8	Topographic Mapping – Aerial Photography (over 100 Acres)	125	Acre	\$25.00	\$3,125
9	Licensed Land Surveyor	600	Hour	\$82.50	\$49,500
10	Survey Manager	1200	Hour	\$87.50	\$105,000
11	Mapping/CAD Technician	2400	Hour	\$55.00	\$132,000
12	Travel Per Diem (Rate/Person/Day)	125	EA	\$35.00	\$4,375

*LiDAR will be collected by Aerial Methods



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

**State of West Virginia
 Request for Quotation**

Proc Folder: 133225

Doc Description: Addendum 01: Mapping Services in Southern West Virginia

Proc Type: Central Master Agreement

Date Issued	Solicitation Closes	Solicitation No	Version
2015-10-05	2015-10-29 13:30:00	CRFQ 0313 DEP16C0000016	2

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:

GRW
 801 Corporate Drive
 Lexington, KY 40503
 Ben Fister 859-223-3999 ext 234; bfister@grwinc.com

FOR INFORMATION CONTACT THE BUYER

Beth Collins
 (304) 558-2157
 beth.a.collins@wv.gov

Signature X

FEIN # 610707773

DATE 10/28/2015

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

ADDITIONAL INFORMATION:**Addendum No. 01**

This addendum is issued to modify the solicitation per the attached documentation and the following:

1. To delete line 4 on the commodity lines for 'Mobile Scanner' this line was added in error.
2. To upload the correct General Terms and Conditions.

The bid opening date will remain the same of October 29, 2015 at 1:30 PM, EST
No other changes.

CRFQ
THE WEST VIRGINIA STATE PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, IS SOLICITING BIDS FOR AN OPEN END CONTRACT FOR MAPPING SERVICES IN THE SOUTHERN COUNTIES OF WEST VIRGINIA, PER THE ATTACHED SPECIFICATIONS AND DOCUMENTATION.

INVOICE TO		SHIP TO	
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON US	WV25304	ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON US	WV 25304

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	Control Surveying	600.00000	HOUR	\$75.00	\$45,000

Comm Code	Manufacturer	Specification	Model #
81151601			

Extended Description :

Quantities are estimated and are for bidding purposes only, these are not guaranteed.

INVOICE TO		SHIP TO	
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON US	WV25304	ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON US	WV 25304

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Topographic, Planimetric and Check Surveying	1800.00000	HOUR	\$75.00	\$135,000

Comm Code	Manufacturer	Specification	Model #
81151601			

Extended Description :

Quantities are estimated and are for bidding purposes only, these are not guaranteed.

INVOICE TO		SHIP TO	
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV25304 US		ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	Terrestrial LIDAR Collection	600.00000	HOUR	\$142.50	*

Comm Code	Manufacturer	Specification	Model #
81151601		*LiDAR will be collected by Aerial Methods	

Extended Description :

Quantities are estimated and are for bidding purposes only, these are not guaranteed.

INVOICE TO		SHIP TO	
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV25304 US		ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
4	Mobile Scanner	300.00000	HOUR		

Comm Code	Manufacturer	Specification	Model #
81151601			

Extended Description :

Line is inactive.

Quantities are estimated and are for bidding purposes only, these are not guaranteed.

INVOICE TO		SHIP TO	
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV25304 US		ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
5	Topographic Mapping - Aerial Photography (0-25 Acres)	15.00000	ACRE	\$156.00	\$2,340

Comm Code	Manufacturer	Specification	Model #
81151601			

Extended Description :

(including LIDAR Collections)List only one rate for each category.
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ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON US	WV25304	ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON US	WV 25304

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
6	Topographic Mapping - Aerial Photography (25-50 Acres)	30.00000	ACRE	\$85.00	\$2,550

Comm Code	Manufacturer	Specification	Model #
81151601			

Extended Description :

(including LIDAR Collections)List only one rate for each category.
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INVOICE TO		SHIP TO	
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON US	WV25304	ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON US	WV 25304

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
7	Topographic Mapping - Aerial Photography (50-100 Acres)	75.00000	ACRE	\$38.00	\$2,850

Comm Code	Manufacturer	Specification	Model #
81151601			

Extended Description :

(including LIDAR Collections)List only one rate for each category.
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INVOICE TO		SHIP TO	
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV25304 US		ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
8	Topographic Mapping - Aerial Photography (Over 100 Acres)	125.00000	ACRE	\$25.00	\$3,125

Comm Code	Manufacturer	Specification	Model #
81151601			

Extended Description :

(including LIDAR Collections) List only one rate for each category.
Quantities are estimated and are for bidding purposes only, these are not guaranteed.

INVOICE TO		SHIP TO	
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV25304 US		ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
9	Licensed Land Surveyor	600.00000	HOUR	\$82.50	\$49,500

Comm Code	Manufacturer	Specification	Model #
81151601			

Extended Description :

Professional Rates (Listed Disciplines Only)
Quantities are estimated and are for bidding purposes only, these are not guaranteed.

INVOICE TO		SHIP TO	
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV25304 US		ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
10	Survey Manager	1200.00000	HOUR	\$87.50	\$105,000

Comm Code	Manufacturer	Specification	Model #
81151601			

Extended Description :

Professional Rates (Listed Disciplines Only)

Quantities are estimated and are for bidding purposes only, these are not guaranteed.

INVOICE TO		SHIP TO	
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON US	WV25304	ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON US	WV 25304

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
11	Mapping/CAD Technician	2400.00000	HOUR	\$55.00	\$132,000

Comm Code	Manufacturer	Specification	Model #
81151601			

Extended Description :

Professional Rates (Listed Disciplines Only)

Quantities are estimated and are for bidding purposes only, these are not guaranteed.

INVOICE TO		SHIP TO	
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON US	WV25304	ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON US	WV 25304

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
12	Travel Per Diem (Rate/Person)Day)	125.00000	EA	\$35.00	\$4,375

Comm Code	Manufacturer	Specification	Model #
81151601			

Extended Description :

Applicable to Survey Crews Only

Quantities are estimated and are for bidding purposes only, these are not guaranteed.

SCHEDULE OF EVENTS

Line	Event	Event Date
1	Tech Question Submittal Deadline at 5:00 PM	08/10-02

DEP1600000016	Document Phase Final	Document Description Addendum 01: Mapping Services in Southern West Virginia	Page 7 of 7
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ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

2 Bid Forms: Certification Signature Page, Acknowledgement Form and Purchasing Affidavit

Contract Manager: Ben Fister

Telephone Number: 859-223-3999

Fax Number: 859-519-4507

Email Address: bfister@qrwinc.com

CERTIFICATION AND SIGNATURE PAGE

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

GRW

(Company)

Ben D. Fister

Ben D. Fister, Vice-President

(Authorized Signature) (Representative Name, Title)

859-223-3999; 859-519-4507 10/22/2015

(Phone Number) (Fax Number) (Date)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: 1600000016

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

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

GRW

Company

Ben O. Fister

Authorized Signature

10/22/2015

Date

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

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

DEFINITIONS:


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

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

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

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §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: GRW
Authorized Signature:  Date: 10/28/2015

State of Kentucky
County of Fayette, to-wit:

Taken, subscribed, and sworn to before me this 28 day of October, 2015.
My Commission expires June 27, 2017.

AFFIX SEAL HERE

NOTARY PUBLIC 

3 GRW Qualifications and Insurance Certificate

3.1 Names of Individuals Performing Work

GRW Key Survey Personnel		
Employee Name/Title	Registrations	Total Years Survey and Mapping Experience
Ben Fister, PE, PLS, PSM Principal-in-Charge	WV Professional Land Surveyor #1209 WV Professional Engineer - Civil #11627 (Additional licenses in AL, FL, GA, IL, IN, KY, LA, MN, MS, NC, OH, TN, and VA)	39
Mitch Long, CP, LS, GISP Division Manager	Certified Photogrammetrist # R1411 KY Professional Land Surveyor #4097 GISP #/7*61	25
Timothy A. Tong, PLS Chief of Surveys	KY Professional Land Surveyor #4024	15
Jason Brown, PLS Party Chief	WV Professional Land Surveyor #2188	20
Wolfgang Ziegler, PLS GPS Survey Manager	KY Professional Land Surveyor #3098	32
John Mickelson, PLS CADD/Quality Control	KY Professional Land Surveyor #3356 KY Professional Geologist #0205	32
Barry Zulauf Sr. GPS Specialist	Hazardous and Toxic Waste Certification	35
Gerald T. Wingate, RPP Photogrammetric Mapping Manager	Registered Professional Photogrammetrist # 80729RPP	39
Joe Morgan, LSIT Sr. LiDAR Specialist	Certified Photogrammetrist # 1404 Kentucky Land Surveyor in Training	16
Supported by a staff of 250, including 17+ experienced surveyors with 6 survey crews, 20+ Mapping Specialists, and 20+ CADD Specialists experienced in the required tasks.		

GRW staff assigned to this project has provided surveying and mapping services in excess of \$3.5 million of Mining Industry sites. We have over four decades of experience working on similar projects. **GRW has completed surveying and/or mapping of mining sites in the following states:**

- West Virginia
- Virginia
- Kentucky
- Maryland
- Pennsylvania
- Indiana

Six Survey Crews are available as needed. GRW's key personnel are supported by a staff of 250 professionals, including:

- 18 Surveyors
- West Virginia Licensed Professional Surveyor Principal-in-Charge
- 40 Mapping/GIS Specialists
- 20+ Professionals with experience on AML/Mining projects

3.2 List of Similar Projects, including Past Five

- **West Virginia Abandoned Mine Lands and Reclamation, Northern Counties** – GRW provided Surveying and Mapping of mining sites for the Northern Counties of West Virginia (as the Surveying and Mapping subconsultant).
- **West Virginia Abandoned Mine Lands and Reclamation, Southern Counties** – GRW provided Surveying and Mapping of mining sites for the Southern Counties of West Virginia (as the Surveying and Mapping subconsultant).
- **Kentucky Division of Abandoned Mine Lands** – As Prime consultant, GRW has completed several surveying and mapping projects of Mining Sites for the Kentucky AML. (Client Reference: Mr. Perry Semones, Tel 502-564-2141)
- **International Coal Group/Arch Coal** – Over the last decade, GRW has completed several surveying and mapping projects of Mining Sites as Prime consultant for ICG/Arch Coal. (Client Reference: Mr. Bunnie Watkins, Tel 606-439-0946, bwatkins@intlcoal.com)
- **Consol, WV** – Over the last decade, GRW has been the Prime consultant for dozens of coal companies across the country, including completing surveying and mapping of mining sites for Consol in West Virginia. (Client Reference: Consol/Mr. Craig Kidd, Williamson, WV, Tel 304-235-4850).



GRW has mapped and surveyed over one million acres at over 150 sites ranging from 5 to 100,000 acres. Services on these projects have included targeting, GPS control and monumentation, aerial photography, field control surveys (conventional and GPS), analytical aerotriangulation, digital and conventional topographic mapping, LiDAR, photogrammetric mapping, digital terrain models, GPS monumentation, volumetric computations for refuse and stock piles, targeting of drill holes and conversion of hand drawn maps to digital maps. We have accomplished these projects using the **latest version of AutoCAD**, and are very familiar with the data delivery requirements for **West Virginia Abandoned Mine Lands and Reclamation**. GRW has also provided surveying and mapping services for the **West Virginia Department of Environmental Protection** and the **West Virginia Department of Highways**.



3.3 List of Projects Currently Working on:

- **West Virginia DOT** – GRW is the mapping subconsultant on a comprehensive mobile mapping project for the West Virginia DOT. Tasks include surveying and mapping. (Client Reference: Mr. Travis Long, West Virginia DOT). This project illustrates our familiarity with multiple West Virginia State clients, providing highly technical mapping services. Completion Date: Contract runs through 2016, involving mainly LiDAR personnel.
- **Kentucky Transportation Cabinet**- GRW has accomplished literally hundreds of projects across the state of Kentucky for the Transportation Cabinet. Tasks have involved aerial photography, photo lab, analytical aerotriangulation, field/GPS surveys, LiDAR, digital base mapping, photogrammetry, digital cross-sections, volumes, and related programming services. Contract runs through 2016. (Client Reference: Mr. Dan Farrell 502-564-3280)
- **Minnesota Department of Transportation** – Through an open ended contract with MNDOT, GRW has successfully accomplished dozens of mapping projects throughout the state of Minnesota for MnDOT. Tasks have included LiDAR, aerial photography, digital mapping, analytical triangulation, and digital orthophotography. (Client Reference: Mehrtash Mehran 651-296-9630)

Tasks on these Projects
Have Included:



- Surveying
- Control
- Aerial Photography
- Mapping
- Digital Orthoimagery
- LiDAR / DEM/DTM
- Quality Control

GRW has the experience, resources, and capacity to successfully complete this project on schedule and within budget. We are known for our high level of accuracy, efficiency, and fast turnaround, and have a long history of accomplishing multiple ongoing projects on time and within budget with our immense staff and resources.

3.4 Name of Project Manager Anticipated for Project

Ben D. Fister, PE, PLS, PSM – Principal-in-Charge/Project Manager –With over 35 years of surveying, mapping, GIS and civil engineering experience, Mr. Fister offers a level of expertise that ensures the successful completion of this project. Mr. Fister oversees the Aerial Mapping Division at GRW, and serves as Principal-in-Charge for federal, state, and municipal projects. He has accomplished several similar AML projects, involving all tasks required for this contract. He is a licensed West Virginia Professional Land Surveyor and Professional Engineer. All work performed under this contract will be under the direct supervision of Mr. Fister (licensed WV PE and PLS). He has been the Principal-in-Charge for the **West Virginia AML&R**, as well as for numerous Kentucky AML projects, plus miscellaneous coal projects around the nation, and surveying and mapping for the West Virginia Department of Environmental Protection.

3.5 Number of Years Accomplishing Similar Projects

40 Years. As evidenced by our above projects and by our client references, GRW is very proficient in providing surveying and mapping of mining sites. We specialize in providing topographic and planimetric surveying and mapping, boundary and property surveying, survey CAD document preparation, survey reports, aerial photography, photogrammetric mapping, control, LiDAR, and related services.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
03/03/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER The Underwriters Group, Inc. 1700 Eastpoint Parkway P.O. Box 23790 Louisville, KY 40223 INSURED GRW Engineers Inc. GRW Aerial Surveys, Inc. 801 Corporate Drive Lexington, KY 40503	CONTACT NAME: PHONE (A/C No. Ext): 502-244-1343 FAX (A/C No.): 502-244-1411 EMAIL ADDRESS: ADDRESS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: left;">NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A: Charter Oak Fire Insurance Company</td> <td>25615</td> </tr> <tr> <td>INSURER B: Travelers Indemnity Company</td> <td>25658</td> </tr> <tr> <td>INSURER C: Cincinnati Insurance Company</td> <td>10677</td> </tr> <tr> <td>INSURER D: Phoenix Insurance Company</td> <td>25623</td> </tr> <tr> <td>INSURER E: Kentucky Employers' Mutual Insurance</td> <td>10320</td> </tr> <tr> <td>INSURER F: XL Specialty Insurance Company</td> <td>37885</td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Charter Oak Fire Insurance Company	25615	INSURER B: Travelers Indemnity Company	25658	INSURER C: Cincinnati Insurance Company	10677	INSURER D: Phoenix Insurance Company	25623	INSURER E: Kentucky Employers' Mutual Insurance	10320	INSURER F: XL Specialty Insurance Company	37885
INSURER(S) AFFORDING COVERAGE	NAIC #														
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INSURER D: Phoenix Insurance Company	25623														
INSURER E: Kentucky Employers' Mutual Insurance	10320														
INSURER F: XL Specialty Insurance Company	37885														

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSTR. LTR.	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFF. (MM/DD/YYYY)	POLICY EXP. (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC	6808803L858COP15	03/01/2015	03/01/2016	EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$1,000,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	BA88051.391TIA15	03/01/2015	03/01/2016	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$10,000	CUP3458F0031547 EXSC065793	03/01/2015 03/01/2015	03/01/2016 03/01/2016	EACH OCCURRENCE \$5,000,000 AGGREGATE \$5,000,000 \$
D E	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/EMBER EXCLUDED? (Mandatory in WV) If yes, describe under DESCRIPTION OF OPERATIONS below	VMPSUB6127Y9/A15 361580 (KY Only)	03/01/2015 03/01/2015	03/01/2016 03/01/2016	<input checked="" type="checkbox"/> WC STATU- TORY LIMITS <input type="checkbox"/> OTH- ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
F	Professional Liability	DPK9723266	03/01/2015	03/01/2016	Per Claim 5,000,000 Aggregate 5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 401. Additional Remarks Schedule, if more space is required)

For Informational Purposes Only
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CERTIFICATE HOLDER For Informational Purposes Only For Informational Purposes Only For Informational Purposes Only For Informational Purposes Only For Informational Purposes Only	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
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