



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at *wvOASIS.gov*. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at *WVPurchasing.gov* with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 1

List View

## General Information

Contact

Default Values

Discount

Document Information

Procurement Folder: 563619

SO Doc Code: CRFQ

Procurement Type: Central Purchase Order

SO Dept: 0432

Vendor ID: VC0000075195

SO Doc ID: DCH1900000007

Legal Name: MARKOSKY ENGINEERING GROUP INC

Published Date: 5/7/19

Alias/DBA:

Close Date: 5/15/19

Total Bid: \$40,700.00

Close Time: 13:30

Response Date: 05/15/2019

Status: Closed

Response Time: 8:40

Solicitation Description: Addendum #1 Historic Preservation: Multi County Survey.

Total of Header Attachments: 1

Total of All Attachments: 1



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

**State of West Virginia  
 Solicitation Response**

**Proc Folder :** 563619

**Solicitation Description :** Addendum #1 Historic Preservation: Multi County Survey.

**Proc Type :** Central Purchase Order

Date issued	Solicitation Closes	Solicitation Response	Version
	2019-05-15 13:30:00	SR 0432 ESR05081900000005141	1

<b>VENDOR</b>
VC0000075195 MARKOSKY ENGINEERING GROUP INC

**Solicitation Number:** CRFQ 0432 DCH1900000007

**Total Bid :** \$40,700.00      **Response Date:** 2019-05-15      **Response Time:** 08:40:35

**Comments:**

**FOR INFORMATION CONTACT THE BUYER**  
 Stephanie L Gale  
 (304) 558-8801  
 stephanie.l.gale@wv.gov

<b>Signature on File</b>	<b>FEIN #</b>	<b>DATE</b>
--------------------------	---------------	-------------

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Historic Preservation: Multi County Survey.				\$40,700.00

Comm Code	Manufacturer	Specification	Model #
71112107			

**Extended Description :** Provide the service of conducting a reconnaissance-level architectural Survey of Tyler, Ritchie, Gilmer, Braxton and Doddridge Counties in West Virginia.Per attached specifications.



May 15, 2019

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

RE: Request for Quotation CRFQ 0432 DCH1900000007  
Historic Resources Survey of Tyler, Ritchie, Gilmer, Braxton, and Doddridge Counties

Dear Bid Clerk and proposal reviewer:

The Markosky Engineering Group, Inc. (Markosky) is pleased to offer our qualifications, proposed scope of work, lump sum cost, and resumes in response to your Request for Quotation (RFQ) CRFQ 0432 DCH1900000007 for the Historic Resources Survey of Tyler, Ritchie, Gilmer, Braxton, and Doddridge Counties, West Virginia. As Markosky's Senior Architectural Historian, I have been following the ambitious efforts of the West Virginia State Historic Preservation Office (WV SHPO) to sponsor countywide historic structures surveys with great interest. At my former company, I served as Principal Investigator in both the 2011 Central West Virginia Historic Resource Survey, which comprised a total of 750 surveyed historic properties spread over Calhoun, Clay, Roane, and Wirt Counties, and the 2012 surveys of Pocahontas and Pendleton Counties, which comprised roughly 750 resources each. Now I serve as the Historic Structures Group Leader at Markosky, a woman-owned certified Disadvantaged Business Enterprise (WBE) headquartered in southwestern Pennsylvania. Our company of over 60 professional engineers, environmental and permitting specialists, and cultural resources professionals is seeking to establish an active presence in West Virginia with the establishment of an office in Charleston in 2018 and participation in projects across the state for clients like the West Virginia Division of Highways (WVDOH), various oil and gas ventures, and, hopefully, for the WV SHPO. Though our firm is new to West Virginia, the staff members on our Cultural Resources team bring with them extensive prior knowledge of the history and culture of the Mountain State with collective project experience in all but two of its 55 counties.

**Joyce Markosky** will be the Contract Manager and Designated Point of Contact for administering this contract. The Project Manager, Laura C. Ricketts (Historic Structures Group Leader and Senior Architectural Historian), will be the point of contact for any non-contractual matters related to the project.

**Contract Manager:** Joyce V. Markosky, President  
The Markosky Engineering Group, Inc.  
**Telephone Number:** 724.238.4138  
**Fax Number:** 724.238.4194  
**Email Address:** jmarkosky@markosky.com



## KEY PERSONNEL

Laura Ricketts and Elizabeth Williams, who both exceed the Secretary of the Interior's Professional Qualifications Standards (SOI Qualifications) for Architectural History, are the key personnel associated with this project. They will be in charge of all evaluations and assessments made in the field and in the creation of the resulting report. It is likely that a third staff member, Sarah Baughman, will be added to the field survey team to enhance safety and efficiency, but she will not be responsible for evaluating any historic structures. The following individuals will conduct work on this project (resumes attached):

**Laura C. Ricketts**, Markosky Historic Structures Group Leader and Senior Architectural Historian, will be the Project Manager for this project. She will direct the field survey, research, and writing efforts for the historic resources surveys and accompanying reports and will provide critical oversight and editing for all deliverables. Laura has over 24 years of experience in the field of architectural history and exceeds the SOI Qualifications for Architectural History. Her work includes all aspects of Section 106 compliance for historic structures, as well as historic preservation work for various clients. She has prepared hundreds of eligibility assessments treating urban, suburban, rural, industrial, transportation, residential, agricultural, institutional, and postwar historic resources. Laura has designed and led more than 20 large scale historic resource survey efforts in PA, WV, MD, and DE.

In 2011, Laura acted as the principal investigator for WV SHPO's Central West Virginia Historic Resource Survey, which comprised a total of 750 surveyed historic properties in four underdocumented counties. She researched and wrote the historic contexts and the reports for each county and reviewed each West Virginia Historic Property Inventory (HPI) form that was initially drafted by the field survey team. The following year, she served as the principal investigator for countywide historic resource surveys in Pendleton and Pocahontas Counties, where she was again responsible for authoring the historic contexts and reports, though she shared the oversight responsibilities for the 1,500 total HPI forms with the project manager. Other large historic resource surveys that Laura has undertaken in West Virginia include 128 properties for the Beckley Z-Way Project in Raleigh County; 52 properties in New Cumberland, Hancock County; 44 properties for the Development Drive project in Berkeley County; over 100 resources for a floodplain survey in the City of Parsons, Tucker County; and hundreds of resources for the US 220 Bypass project in a reconnaissance survey of five transportation corridor alternatives that were each approximately 45-miles long running through Grant, Hampshire, Hardy, and Mineral Counties in West Virginia and Allegany County in Maryland. Most recently, she has overseen the preparation of a historic structures survey for the Greenbag Road Improvement Project in Monongalia County, which includes evaluations for 20 historic structures.

**Elizabeth Williams**, an Architectural Historian with over 6 years of experience in her field, also exceeds the SOI qualifications for Architectural History. Elizabeth will conduct the majority of the field surveys of historic structures and will prepare the background research, historic contexts, HPI forms, and draft report text for the project. She has recently researched, field



surveyed, and authored the eligibility report for 20 historic resources for the Greenbag Road Improvement Project southeast of Morgantown. She conducted field survey and prepared documentation for 296 historic structures in the Borough of Ambridge and for 272 resources in the City of Corry, both located in western Pennsylvania. She has experience evaluating rural, suburban, and urban properties including the recently completed eligibility forms for farms in Bedford, Butler, Washington, and Westmoreland Counties in Pennsylvania; corridor studies in Indiana and Mercer Counties, PA; and a historic district evaluation for a significant post-World War II urban renewal project in the City of Pittsburgh. She has taken part in historic structures surveys in the Borough of Wilksburg (177 resources) and along the proposed Bus Rapid Transit corridor in multiple neighborhoods of the City of Pittsburgh (300+ resources), and she has completed several large scale (300+ resources each) surveys of primarily semi-suburban residential areas for transmission power lines in Kanawha County, West Virginia and Campbell County, Virginia, where her ability to expedite and streamline fieldwork was a great asset. Elizabeth has extensive experience conducting architectural and historical resource surveys, preparing archival and historic research, completing historic resource inventory forms and eligibility evaluations, and authoring reports and historic contexts. She has a full understanding of federal and state standards and guidelines.

**Sarah Baughman** is a staff archaeologist and GIS technician with over two years of experience in her field. Sarah will accompany Elizabeth during the field survey of the five counties and will help to document the surveyed resources. She will also aid in the creation of mapping and historic figures that meet the requirements of WV SHPO and demonstrate the evolution of these five counties over time. Sarah typically produces the mapping and figures for both archaeology and historic structures deliverables from our office using her GIS training and artistic eye to create legible and informative graphics.

## **SELECTED RELEVANT PROJECT EXPERIENCE**

### **Countywide Historic Resources Surveys for WV SHPO**

**Contact: Erin Riebe, formerly of WV SHPO**

With her former employer, Laura Ricketts was the principal investigator and principal author of WV SHPO sponsored countywide historic resources surveys for Calhoun, Clay, Roane, Wirt, Pendleton, and Pocahontas Counties that were conducted in 2011 and 2012. In that role, she conducted background research and prepared county histories; she organized the field survey and, with the company's senior historian, she trained field surveyors; she reviewed every HPI form for five of the six counties; and she produced all of the final reports.

### **Greenbag Road Improvement Project, Monongalia County for WVDOH**

**Contact: Sydney Burke, Environmental Project Manager at WVDOH / 304.558.9666**

Markosky has completed a draft Historic Structures Survey and Determination of Eligibility Report for this 1.28-mile long project whose roadway improvements include wider lanes and shoulders, turning lanes, drainage enhancements, and improved intersections with the



introduction of two roundabouts. Twenty historic structures were surveyed for the project, including a late nineteenth century farm; village resources (several houses, a church, and a school) dating to the early twentieth century; and examples of postwar highway oriented development such as a shopping mall, commercial structures, residential plans, and the 1968 Federal Correctional Institution (FCI) Morgantown / Robert F. Kennedy Youth Center. Recorded as MG-2645 / FCI Morgantown Kennedy Center, the prison complex is recommended as eligible for listing on the National Register of Historic Places (National Register) due to its experimental and influential design, which embodies the “unit management” penal system model.

### **Historic Structures Inventories for the Borough of Ambridge and the City of Corry, PA**

**Contact: Joseph Kauer, Ambridge Borough Manager / 724.266.4070**

**Mandi Johnson, Impact Corry / 814.664.6036**

These similar projects demonstrate Markosky’s proficiency with field survey, recordation of resources, and evaluations of National Register eligibility for projects that were grant-funded in part by the Pennsylvania State Historic Preservation Office (PA SHPO). In the Borough of Ambridge, we re-evaluated a local historic district that overlapped with the National Historic Landmark early nineteenth century Harmonist community known as the Village of Old Economy. Our survey of 296 resources strengthened existing documentation, especially for heretofore overlooked twentieth century resources, to aid Ambridge prepare for revisions to its historic ordinances and preservation planning. In the City of Corry, we prepared a re-evaluation of an existing historic district with a larger boundary that now encompasses 272 resources. Together with public outreach and a separate evaluation of a 46-acre city park, Markosky has supported Impact Corry’s intention to list the historic district and the park on the National Register as a next step.

### **SCOPE OF WORK**

We propose to begin our work on the project with a visit to the WV SHPO offices in Charleston to verify that we have the locations and available data for all previously surveyed historic structures in each of the five counties and to receive any project clarifications from the WV SHPO. We understand that WV SHPO is not requesting a re-evaluation or update of previously surveyed historic structures, but we propose that (separate from and not included within the total count of 750 resources) any previously surveyed resources that we note to be no longer extant during our time in the field will be identified to WV SHPO for the updating of those records.

We will devote time to the research and drafting of developmental contexts for each county before we begin fieldwork, so that we are well aware of the major influences (topography, settlement patterns, transportation networks, industry and agriculture, and other historic forces) that have shaped the counties. We will then use the results of the surveys to refine the histories to ensure that they accurately reflect the built environment.





Based on experience with prior countywide surveys for the WV SHPO, we prefer to conduct our field survey with a well-trained and experienced architectural historian making evaluations in the field rather than relying on the judgement of field technicians explicitly trained for the purpose. Elizabeth Williams will conduct the majority of the survey with Laura Ricketts assisting with the initial days of the survey. Elizabeth will be accompanied by another staff member, likely Sarah Baughman, who will drive the vehicle, take photographs as directed, and provide support to the field survey effort. This will allow Elizabeth to populate the field database of resources with the greatest accuracy and completeness. We recognize that the RFQ identifies the various resource types to be recorded—buildings, structures, objects, and sites (excluding archaeological sites),—but we also recognize the potential for historic districts or rural historic districts to be present within the survey area. Any potential historic districts that we identify in the field will not be described on HPI forms, but they will be addressed in the accompanying report for the county with reference to the WV SHPO identification numbers of the historic structures that are associated with the potential district.

Once approximately 150 resources have been documented within a county, a report will be prepared to present the survey results. The report will include a brief project description, a discussion of the methodology, the historic context, and a section that summarizes the results of the field survey by quantifying and highlighting trends that reflect prevalent resource types, styles, well-represented eras, and other commonalities. This section will also provide the specified table of resources with their National Register eligibility recommendations. The report will be illustrated with annotated mapping and historic figures. An appendix will be included with all of the HPI forms. All deliverables—the report and the HPI forms with their shapefiles and supporting information—will be prepared to the standards outlined in the RFQ and in WV SHPO's *West Virginia National Register and Architecture/History Survey Manual* (dated 6/01/2016).

Markosky proposes to approach the project with great efficiency by having overlapping parts of the project underway concurrently. For instance, while Elizabeth Williams and Sarah Baughman are conducting the field survey of one county, Laura Ricketts will be contributing to the draft historic context for the next county. The review of one county's batch of HPIS resulting from the field survey can also undergo edits and consolidation, while field survey of the next county is being undertaken. We will dedicate our efforts to the project from the time we receive notice to proceed to ensure that all project deliverables have been readied and submitted in their final state within less than one year's time from written notice to proceed.

## **LUMP SUM COST**

Markosky's lump sum cost for completing the Historic Resources Survey of Tyler, Ritchie, Gilmer, Braxton, and Doddridge Counties is provided here and on the attached Pricing Page. The **lump sum cost of \$40,700.00** includes both labor and direct costs to ensure completion of the survey to the standards outlined in the RFQ and expanded with additional detail in this



proposal. It includes labor for online and archival research, development of histories for each of the five counties, field work/survey, review and editing of the HPI forms database, preparation of each draft report, Quality Assurance/Quality Control revisions, and the production of final reports. It also includes associated travel costs (mileage, lodging, and meals) for field survey in each of the five counties. It is a cost that guarantees a high quality deliverable that is prepared with efficiency and economy.

Markosky will dedicate experienced and knowledgeable key staff to this project and will provide them with the time and resources to deliver a high quality and polished final product. We thank you for your consideration and hope to be able to work with you on this exciting project. If you have any questions or comments about this submission, please do not hesitate to contact me at [lricketts@markosky.com](mailto:lricketts@markosky.com) or 724.238.4138.

Sincerely,

The Markosky Engineering Group, Inc.

Laura C. Ricketts  
Historic Structures Group Leader  
Senior Architectural Historian



Request for Quotation CRFQ 0432 DCH190000007  
West Virginia Department of Arts, Culture and History  
Historic Resources Survey of Tyler, Ritchie, Gilmer, Braxton, and Doddridge Counties  
Markosky Proposed Services Scope of Work

## **RESUMES OF KEY PERSONNEL**

Laura C. Ricketts  
Historic Structures Group Leader  
Senior Architectural Historian

Elizabeth H. Williams  
Architectural Historian

Sarah Baughman  
Staff Archaeologist  
GIS Technician



## EXPERIENCE

Ms. Ricketts is an Architectural Historian with 24 years of experience, who exceeds the Secretary of the Interior's Professional Qualifications Standards for Architectural History. Her initial academic experiences provided depth of knowledge in the field of American architectural history. She has spent the past fourteen years working as a cultural resources consultant, including all aspects of Section 106 compliance for historic structures as well as historic preservation work for private and municipal clients. She has prepared hundreds of eligibility assessments treating urban, suburban, rural, industrial, transportation, residential, agricultural, institutional, and postwar historic resources. She has designed and led more than 20 large scale historic resource survey efforts in Pennsylvania, West Virginia, Maryland, and Delaware. She has extensive experience in leading and supporting public outreach efforts and consultation with interested parties. In 2016, she was officially delegated as a Cultural Resources Professional for the Pennsylvania Department of Transportation (PennDOT), where she currently serves in the western part of the state.

### Select Project Experience

#### **Cultural Resources Professional (CRP), multiple counties, PA – PennDOT Districts 2-0 and 12-0 *Historic Structures CRP***

Ms. Ricketts has been fully delegated by the Federal Highway Administration (FHWA) to act as a consultant CRP for PennDOT. Currently serving in 13 counties in the western half of the state, she is responsible for historic structures compliance under the Pennsylvania Statewide Section 106 Programmatic Agreement. She has researched historic background information, attended scoping field views, consulted with interested parties, prepared findings, coordinated with environmental staff and project managers, reviewed consultant reports, shepherded mitigation efforts, facilitated public outreach, and consulted on policy questions for more than 280 projects.

#### **Historic Truss Bridge Coordination, multiple sites – PennDOT Districts 1-0, 11-0, and 12-0 *Principal Investigator***

Ms. Ricketts has extensive experience working with historic truss bridges. Currently, she is coordinating with PennDOT Districts 1-0 and 11-0 to prepare and/or review the necessary documentation—purpose and need statements, bridge rehabilitation analyses, determinations of effect, and mitigation agreement documents, as well as coordination with consulting parties and public outreach—for two potential bridge removal projects. As a CRP, Ms. Ricketts has provided the integrity assessments and consulted on the re-evaluation methodology for a recent statewide re-evaluation of historic truss bridges.

#### **Interstate 579 Cap Project, Allegheny County, PA – PennDOT District 11-0 and City of Pittsburgh *Principal Investigator***

Ms. Ricketts has been specifically requested to support PennDOT staff to navigate a complicated Section 106 process involving five agencies and 12 consulting parties. She has co-authored the detailed Programmatic Agreement that seeks to resolve adverse effects to the National Register eligible Mosaic Tunnel, a public artwork from 1964 by Virgil Cantini. Ms. Ricketts has coordinated extensively with the consulting parties and will be developing a Character Defining features document to guide the future reinstallation of the mosaics.

#### **Historic Buildings Survey and Ordinance Review, Beaver County, PA – Borough of Ambridge *Principal Investigator***

Ms. Ricketts led the inventory of about 250 historic structures in the Ambridge Historic District and the preparation of a developmental context. She has also overseen the ordinance review efforts of subcontractor T&B Planning.

#### **Cast Iron Bridge Individual Section 4(f) Evaluation, Fayette County, PA – PennDOT District 11-0 *Principal Investigator***

Ms. Ricketts is the author of the Individual Section 4(f) Evaluation for the rehabilitation of the nation's first cast iron bridge. The evaluation is necessitated by an adverse effect to a National Register listed historic district and the presence of the listed bridge and two public parks within the project area. Ms. Ricketts is currently coordinating with FHWA, PennDOT, the Pennsylvania State Historic Preservation Office (PA SHPO), officials with jurisdiction, and consulting parties to finalize the evaluation.

**Laura C. Ricketts, M.A.**  
**Historic Structures  
Group Leader, Senior  
Architectural Historian**

## EDUCATION

**M.A. Art History**  
Pennsylvania State  
University, 1994

**B.A. Art History**  
Pennsylvania State  
University, 1991

## QUALIFICATIONS & REGISTRATIONS

**Secretary of Interior  
Standards for  
Architectural History  
(36CFR§61)**

## MEMBERSHIPS

**Women's Transportation  
Seminar**

## TRAINING

**Section 106 in the New  
Regulatory Environment**

**Section 4(f)**

**Main Office**  
3689 Route 711  
Ligonier, PA 15658

**West Virginia Office**  
232 Capitol Street  
Charleston, WV 25301

**Southpointe Office**  
1900 Main Street, Suite 255  
Canonsburg, PA 15317

724.238.4138  
[www.markosky.com](http://www.markosky.com)



## Former Project Experience

### **Beckley Z-Way US 19 Shady Spring to Beaver Historic Architectural Resource Survey and Determination of Eligibility, Raleigh County, WV – WVDOH**

#### ***Principal Investigator***

National Register eligibility studies for 128 properties along a 4.25-mile long stretch of US 19 in Raleigh County, WV.

### **New Cumberland WV 2 Historic Architectural Resource Survey and Determination of Eligibility, Hancock County, WV – WVDOH**

#### ***Principal Investigator***

Eligibility studies for 42 properties along five alternatives for a possible re-routing of WV 2 through the City of New Cumberland, WV.

### **Development Drive Extension Project Determination of Eligibility and Effects, Berkeley County, WV – WVDOH**

#### ***Principal Investigator***

Evaluated eligibility for 40 potential historic resources and effects for four eligible resources for this new industrial park access road project.

### **Flood Control Survey for the City of Parsons, Tucker County, WV – United States Army Corps of Engineers (USACE)**

#### ***Principal Investigator***

Evaluated over 100 potential historic resources in the Parsons floodplain for National Register eligibility including industrial, civic, commercial, and residential properties.

### **Monongahela River Locks and Dams Hydroelectric Projects, Monongalia County, WV – USACE**

#### ***Principal Investigator***

Eligibility and effects coordination with WVSHPO for low flow turbine projects at the Morgantown and Opekiska locks and dams.

### **Pendleton County Historic Resource Survey, Pendleton County, WV - West Virginia State Historic Preservation Office (WV SHPO)**

#### ***Principal Investigator***

Led countywide reconnaissance study of 750 historic resources in Pendleton County for the WV SHPO.

### **Pocahontas County Historic Resource Survey, Pocahontas County, WV - WV SHPO**

#### ***Principal Investigator***

Led countywide reconnaissance study of 750 historic resources in Pocahontas County for the WV SHPO.

### **Central West Virginia Historic Resource Survey, multiple counties, WV – WV SHPO**

#### ***Principal Investigator***

Led countywide reconnaissance studies of 1,500 total historic resources in Calhoun, Clay, Roane, and Wirt Counties for the WV SHPO.

### **Historic Structures Coordination for a Cell Tower Project, Parkersburg, WV – private client**

#### ***Principal Investigator***

Consulting party coordination, background research, reconnaissance survey, and viewshed modeling to expedite WV SHPO clearance of the project.

### **US 220 Bypass Between I-68 and Corridor H Tier One EIS Historic Structures Survey, multiple counties, MD and WV – Maryland State Highway Administration (MDSHA) and WVDOH**

#### ***Architectural Historian***

Historic structures investigations, extensive agency coordination, and public outreach for consideration of five alternatives that were each approximately 45-miles long running through Allegany County, MD and Grant, Hampshire, Hardy, and Mineral Counties, WV.

**Laura C. Ricketts, M.A.**

**Historic Structures  
Group Leader, Senior  
Architectural Historian**

## **EDUCATION**

**M.A. Art History**  
Pennsylvania State  
University, 1994

**B.A. Art History**  
Pennsylvania State  
University, 1991

## **QUALIFICATIONS & REGISTRATIONS**

**Secretary of Interior  
Standards for  
Architectural History  
(36CFR§61)**

## **MEMBERSHIPS**

**Women's Transportation  
Seminar**

## **TRAINING**

**Section 106 in the New  
Regulatory Environment**

**Section 4(f)**

**Main Office**  
3689 Route 711  
Ligonier, PA 15658

**West Virginia Office**  
232 Capitol Street  
Charleston, WV 25301

**Southpointe Office**  
1900 Main Street, Suite 255  
Canonsburg, PA 15317

724.238.4138  
[www.markosky.com](http://www.markosky.com)





## EXPERIENCE

---

Ms. Williams is an Architectural Historian with six years of experience, who exceeds the Secretary of the Interior's Professional Qualifications Standards for Architectural History. She has conducted numerous large scale historic resource survey efforts in Pennsylvania, West Virginia, Maryland, Virginia, Ohio, and Missouri. In addition to her extensive survey experience, Ms. Williams is adept at completing historic resource survey forms including determinations of eligibility, authoring historic contexts and reports, and conducting archival and background research. She is familiar with federal and state guidelines that broadly includes Section 106 of the National Historic Preservation Act.

### Select Project Experience

#### **Greenbag Road Improvement Project, Monongalia County, West Virginia – WVDOH**

##### ***Architectural Historian***

Ms. Williams conducted field survey and background research, completed 20 West Virginia Historic Property Inventory forms, and authored the accompanying report for the Project, which was located outside of Morgantown in Monongalia County.

#### **Allegheny Circle Phase 2 Project – PennDOT District 11-0**

##### ***Architectural Historian***

Ms. Williams completed a Pennsylvania Historic Resource Survey Form for the Allegheny Center Historic District, a significant post-World War II urban renewal project in the City of Pittsburgh.

#### **Corry Historic Structures Inventory – Corry, Erie County, Pennsylvania**

##### ***Architectural Historian***

Ms. Williams completed an intensive level pedestrian survey of the Corry Historic District and Mead Park in Corry, Erie County, PA. In addition to the survey, Ms. Williams conducted the initial public meeting to introduce the project to the residents of Corry and other interested parties. The project produced an amended Pennsylvania Historic Resource Survey Form for the Corry Historic District and an amended form for Mead Park.

#### **Ambridge Local Historic District Inventory – Ambridge, Beaver County, Pennsylvania**

##### ***Architectural Historian***

Ms. Williams completed an intensive level pedestrian survey of the Ambridge Local Historic District in Ambridge, Beaver County, PA. Ms. Williams prepared a detailed inventory of the district, including a discussion of integrity for each resource in order to determine the contributing and non-contributing resources. Ms. Williams also co-authored the developmental context.

#### **SR 0160, Section 000, Wellersburg Truck Ramp – PennDOT District 9-0**

##### ***Architectural Historian***

Ms. Williams conducted intensive archival and background research and authored the historic context of the Phase I archaeological report, which included a history of the small coal mining town of Wellersburg and the associated coal mining operations.

#### **SR 1019, Section 251, West Winfield Bridge #1 – PennDOT District 10-0**

##### ***Architectural Historian***

Ms. Williams conducted intensive archival and background research and authored the historic context of the Phase I archaeological survey report, which included a history of the small industrial village of West Winfield.

#### **SR 2006, Section L03 over Neshannock Creek – PennDOT District 11-0**

##### ***Architectural Historian***

Ms. Williams completed a Pennsylvania Historic Resource Survey Form for the New Castle Dry Goods Store and the East Washington Street Bridge.

**Elizabeth Williams**  
**Architectural Historian**

## EDUCATION

---

### **B.F.A Historic Preservation**

Savannah College of Art and Design, 2011

## QUALIFICATIONS & REGISTRATIONS

---

**Secretary of Interior Standards for Architectural History (36CFR§61)**

**Knowledge of Various Typologies of Vernacular Architecture**

**Knowledge of Historic Cemetery Preservation**

## MEMBERSHIPS

---

**National Trust for Historic Preservation**

**Daughters of the American Revolution**

**Main Office**  
3689 Route 711  
Ligonier, PA 15658

**West Virginia Office**  
232 Capitol Street  
Charleston, WV 25301

**Southpointe Office**  
1900 Main Street, Suite 255  
Canonsburg, PA 15317

724.238.4138  
[www.markosky.com](http://www.markosky.com)



**Former Project Experience in West Virginia, Virginia, and Maryland**

**Northern and Southern Corridor Improvement Projects, Kanawha Valley Area Improvements Program, Kanawha County, West Virginia - American Electric Power (AEP)**

***Architectural Historian***

Conducted multiple phases of the architectural and historical resources survey, co-authored architectural and historical resources investigation reports, and completed West Virginia Historic Property Inventory Forms.

**Amos-Turner Chemical Stations Improvements Project, Kanawha Valley Area Improvements Program, Kanawha County, West Virginia - American Electric Power (AEP)**

***Architectural Historian***

Conducted architectural and historical resources survey, co-authored architectural and historical resources investigation report, and completed West Virginia Historic Property Inventory Forms.

**Ohio Valley Connector Project, Marshall and Wetzel Counties, West Virginia – Equitrans, L.P.**

***Architectural Historian***

Conducted field survey and authored architectural and historical resources reconnaissance letter report.

**Possum Point Coal Ash Pond Project, Prince William County, Virginia – Dominion Energy**

***Architectural Historian***

Conducted architectural reconnaissance and Phase IA archaeological walkover field survey, and authored architectural and historical resources investigations letter report.

**Cloverdale-Lexington 500kV Line Reconductor Project, Botetourt and Rockbridge Counties, Virginia – American Electric Power (AEP)**

***Architectural Historian***

Conducted multiple phases of the architectural and historical resources survey, prepared Virginia Department of Historic Resources inventory forms including VCRIS data entry and co-authored architectural and historical resources investigations reports.

**South Lynchburg Improvements, Campbell County, Virginia - American Electric Power (AEP)**

***Architectural Historian***

Conducted multiple phases of the architectural and historical resources survey, prepared Virginia Department of Historic Resources inventory forms including VCRIS data entry, and co-authored architectural and historical resources investigation reports.

**Virginia Southside Expansion Project, Brunswick County, Virginia – Transcontinental Gas Pipe Line Company, LLC**

***Architectural Historian***

Conducted archival and background research at the Library and Virginia and co-authored historic context for Site 44BR028.

**Terrapin Hills Wind Farm Project, Garrett County, Maryland – EverPower**

***Architectural Historian***

Conducted architectural and historical resources field survey, and authored architectural and historical resources investigation attachment for combined cultural resources report.

**Fourmile Ridge Wind Energy Project, Garrett County, Maryland – Synergics Wind Energy, LLC**

***Architectural Historian***

Conducted architectural and historical resources survey, conducted archival and background research at the Maryland Historical Trust and the Maryland State Archives, and completed Maryland Inventory of Historic Places Determination of Eligibility Forms.

**Elizabeth Williams**

**Architectural Historian**

**EDUCATION**

---

**B.F.A Historic Preservation**

Savannah College of Art and Design, 2011

**QUALIFICATIONS & REGISTRATIONS**

---

**Secretary of Interior Standards for Architectural History (36CFR§61)**

**Knowledge of Various Typologies of Vernacular Architecture**

**Knowledge of Historic Cemetery Preservation**

**MEMBERSHIPS**

---

**National Trust for Historic Preservation**

**Daughters of the American Revolution**

**Main Office**

3689 Route 711  
Ligonier, PA 15658

**West Virginia Office**

232 Capitol Street  
Charleston, WV 25301

**Southpointe Office**

1900 Main Street, Suite 255  
Canonsburg, PA 15317

724.238.4138

[www.markosky.com](http://www.markosky.com)



## EXPERIENCE

Ms. Baughman is a Staff Archaeologist/GIS Technician with 2 years of experience in the field of Archaeology and 5 years of experience in the field of GIS. Her duties include: assisting with planning, developing, and conducting all phases of archaeological survey; creating and developing report graphics; using GIS to assist in archaeological interpretations; assisting with artifact processing, analysis, and curation; developing GIS databases and standards; ensuring GIS data meets state and federal standards; GPS preparation prior to fieldwork; processing GPS data upon completion of fieldwork; and processing CAD, raster, and image data for development of shapefiles, maps and graphics.

### Select Project Experience

#### **Home Bridge No. 3 Replacement, Indiana County, PA - PennDOT District 10-0 Staff Archaeologist/GIS Technician – Phase I/ Phase II/ Phase III**

Ms. Baughman assisted with fieldwork on all three phases of the identification and evaluation of the blacksmith shop site, developed spatial data and created various field maps to assist with excavation, assisted with artifact processing, and developed maps and graphics for all reports for this project.

#### **SR 0281 Gilmore to Welsh Hill Road, Somerset County, PA - PennDOT District 9-0 Staff Archaeologist/GIS Technician – Phase I/ Phase II/ Graves**

Ms. Baughman assisted with fieldwork at all phases and grave removal, assisted with artifact processing, and developed maps and graphics for all reports for this project. She also created a database and map series of the historic graves in the cemetery that was used in the archaeological interpretations. Completion of this data was done primarily by image processing and prior recordation due to the deterioration of the stones.

#### **Tunnel Road Wetland Mitigation Project, Somerset County, PA – Hunt Valley Environmental USACE Pittsburgh District**

##### **Staff Archaeologist/GIS Technician – Geomorphology, Phase I**

Ms. Baughman assisted with fieldwork for the Phase I Survey, developed spatial data, and developed maps and graphics for the Phase I report.

#### **SR 3041, Section A10, SR 3041 over Short Creek, Washington County, PA - PennDOT District 12-0 Staff Archaeologist/GIS Technician – Phase IB**

Ms. Baughman assisted with fieldwork for the Phase I Survey, developed spatial data, assisted in artifact processing and analysis, and developed maps and graphics for the Phase I archaeological report.

#### **SR 0219, Section 44M, US 219 Carrolltown Improvements, Cambria County, PA – PennDOT District 9-0**

##### **Staff Archaeologist/GIS Technician– Phase I**

Ms. Baughman assisted with fieldwork for the Phase I Survey of the historic farmstead, developed spatial data, and developed maps and graphics for the Phase I report.

#### **SR 1019, Section 251, West Winfield Bridge #1, Butler County, PA - PennDOT District 10-0 Staff Archaeologist/GIS Technician – Phase I**

Ms. Baughman assisted with fieldwork for the Phase I Investigations in the historic mining community, developed spatial data, and developed maps and graphics for all reports for this project.

#### **SR 2005, Section 02B Blair County Department Force Box Culvert, Blair County – PennDOT District 9-0**

##### **Staff Archaeologist/GIS Technician – Phase I/Phase II**

Ms. Baughman assisted with fieldwork for the Phase II Investigations of the early 19<sup>th</sup> Century blacksmith shop, developed spatial data, and developed maps and graphics for all reports for this project.

**Sarah Baughman**  
**Staff Archaeologist/  
GIS Technician**

## EDUCATION

**B.A. Anthropology**  
Indiana University of  
Pennsylvania, 2017

**B.A. Geography**  
Indiana University of  
Pennsylvania, 2017

## MEMBERSHIPS

**West Virginia  
Archaeological Society**

## TRAINING

### ESRI Training Course Certifications

- Terrain Analysis Using ArcGIS
- Georeferencing Raster Data Using ArcGIS
- Working with Coordinate Systems in ArcGIS
- Hazus-MH 2.0 in ArcGIS
- Image Processing with ArcGIS
- Using Raster Data for Site Selection
- Network Analysis Using ArcGIS
- 3D Visualization Techniques Using ArcGIS
- Solving Spatial Problems Using ArcGIS
- Creating and Editing Metadata in ArcGIS
- Managing Lidar Data Using Terrain Datasets

### GPS Principles and Techniques

### Remote Sensing

**Main Office**  
3689 Route 711  
Ligonier, PA 15658

**West Virginia Office**  
232 Capitol Street  
Charleston, WV 25301

**Southpointe Office**  
1900 Main Street, Suite 255  
Canonsburg, PA 15317

724.238.4138  
[www.markosky.com](http://www.markosky.com)





**SR 0268, Section 252, PA 268 over Lowrey Run - PennDOT District 10-0**

**Staff Archaeologist/GIS Technician – Geomorphology, Phase I**

Ms. Baughman assisted with fieldwork for the Phase I Survey, developed spatial data, assisted in the refining of the previous site boundary, assisted in the artifact processing and analysis, and developed maps and graphics for the Phase I Report.

**Ambridge Borough Historic Buildings Survey and Ordinance**

**Staff Archaeologist/GIS Technician**

Ms. Baughman assisted with this project by developing field maps and creating GIS data.

**SR 2005, Section 01B, 2019 DF Fulton Box Culvert – PennDOT District 9-0**

**Staff Archaeologist/GIS Technician– Phase I**

Ms. Baughman assisted with fieldwork for the Phase I Survey, developed spatial data, processed and assisted in analyzing artifacts, and developed maps and graphics for the Phase I report.

**SR 0006, Section m36, Sugar Creek to Gulf Road – PennDOT District 3-0**

**Staff Archaeologist/GIS Technician – Phase I**

Ms. Baughman assisted with fieldwork for the Phase I Survey, developed spatial data, and developed maps and graphics for the Phase I report.

**Pennsylvania Rapid Bridge Replacement Project, JV-567 - HDR**

**Staff Archaeologist/GIS Technician – Phase I**

Ms. Baughman assisted with fieldwork for the Phase I Survey, developed spatial data, and developed maps and graphics for the Phase I report.

**SR 4001, Section 451, Five Points Road Bridge – PennDOT District 10-0**

**Staff Archaeologist/GIS Technician – Phase I**

Ms. Baughman assisted with fieldwork for the Phase I Survey, developed spatial data, and developed maps and graphics for the Phase I report.

**SR 4019, Section 01B, 2020 DF Huntingdon Box Culvert – PennDOT District 9-0**

**Staff Archaeologist/GIS Technician – Phase I**

Ms. Baughman assisted with fieldwork for the Phase I Survey, developed spatial data, and developed maps and graphics for the Phase I report.

**Impact Corry Historic Structure Survey**

**Staff Archaeologist/GIS Technician**

Ms. Baughman assisted with this project by developing field maps and creating GIS data.

**Previous Project Experience**

**Beaver County Network Analysis and County-Wide Improvement/Development -**

**Beaver County Office of Planning and Redevelopment**

**Student**

Beaver County asked for the assistance of Indiana University of Pennsylvania to create a GIS database that would allow them to pinpoint prime areas for improvement/development within the county. The entire analysis and database creation was done by Ms. Baughman and two other students.

**Archaeological Investigations of the Squirrel Hill Site - Indiana University of Pennsylvania**

**Student**

This Squirrel Hill Site is a small Monongahelan village in northern Westmoreland County. After the completion of 6 weeks of fieldwork, Ms. Baughman processed and analyzed artifacts and features from three of the test units excavated.

**Sarah Baughman**

**Staff Archaeologist/  
GIS Technician**

**EDUCATION**

**B.A. Anthropology**

Indiana University of  
Pennsylvania, 2017

**B.A. Geography**

Indiana University of  
Pennsylvania, 2017

**MEMBERSHIPS**

**West Virginia  
Archaeological Society**

**TRAINING**

**ESRI Training Course  
Certifications**

- Terrain Analysis Using ArcGIS
- Georeferencing Raster Data Using ArcGIS
- Working with Coordinate Systems in ArcGIS
- Hazus-MH 2.0 in ArcGIS
- Image Processing with ArcGIS
- Using Raster Data for Site Selection
- Network Analysis Using ArcGIS
- 3D Visualization Techniques Using ArcGIS
- Solving Spatial Problems Using ArcGIS
- Creating and Editing Metadata in ArcGIS
- Managing Lidar Data Using Terrain Datasets

**GPS Principles and  
Techniques**

**Remote Sensing**

**Main Office**

3689 Route 711  
Ligonier, PA 15658

**West Virginia Office**

232 Capitol Street  
Charleston, WV 25301

**Southpointe Office**

1900 Main Street, Suite 255  
Canonsburg, PA 15317

724.238.4138

[www.markosky.com](http://www.markosky.com)



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

State of West Virginia  
 Request for Quotation  
 34 - Service - Prof

Proc Folder: 563619

Doc Description: Addendum #1 Historic Preservation: Multi County Survey.

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2019-05-07	2019-05-15 13:30:00	CRFQ 0432 DCH1900000007	4

**BIDDER LOCATION**

BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**GENERAL**

Vendor Name, Address and Telephone Number:  
**The Markosky Engineering Group, Inc.**  
 3689 Route 711  
 Ligonier, PA 15658  
 724-238-4138

**FOR INFORMATION CONTACT THE BUYER**

Stephanie L Gale  
 (304) 558-8801  
 stephanie.l.gale@wv.gov

Signature X *Stephanie L Gale* FEIN # **25-1844227** DATE *05/15/19*

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

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: CRFQ 0432 DCH 1900000007**

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

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

**Addendum Numbers Received:**

(Check the box next to each addendum received)

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

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

**The Markosky Engineering Group, Inc.**

\_\_\_\_\_  
Company

*Jay Markosky*  
\_\_\_\_\_  
Authorized Signature

05/15/19  
\_\_\_\_\_  
Date

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

**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.

Joyce V. Markosky, President  
(Name, Title)  
**Joyce V. Markosky, President / The Markosky Engineering Group, Inc.**  
(Printed Name and Title)  
**3689 Route 711, Ligonier, PA 15658**  
(Address)  
**724.238.4138 / 724.238.4194**  
(Phone Number) / (Fax Number)  
**jmarkosky@markosky.com**  
(email address)

**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.

**The Markosky Engineering Group, Inc.**

(Company)

Joyce V. Markosky, President  
(Authorized Signature) (Representative Name, Title)

**Joyce V. Markosky, President**

(Printed Name and Title of Authorized Representative)

05/15/19  
(Date)

**724.238.4138 / 724.238.4194**

(Phone Number) (Fax Number)

REQUEST FOR QUOTATION  
WEST VIRGINIA DEPARTMENT OF ARTS, CULTURE AND HISTORY  
Historic Resources Survey of Tyler, Ritchie, Gilmer, Braxton, and Doddridge Counties  
CRFQ DCH19

---

**11. MISCELLANEOUS:**

**11.1. Contract Manager:** During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Joyce V. Markosky, President  
**Contract Manager:** The Markosky Engineering Group, Inc.  
**Telephone Number:** 724.238.4138  
**Fax Number:** 724.238.4194  
**Email Address:** jmarkosky@markosky.com

REQUEST FOR QUOTATION  
WEST VIRGINIA DEPARTMENT OF ARTS, CULTURE AND HISTORY  
Historic Resources Survey of Tyler, Ritchie, Gilmer, Braxton, and Doddridge Counties  
CRFQ DCH19

---

PRICING PAGE

Date: May 14, 2019

Name of Vendor: The Markosky Engineering Group, Inc.

BASE BID SUM FOR SEVEN HUNDRED FIFTY (750) HPI FORMS:

\$ 40,700.00

Forty thousand seven hundred dollars and no cents

(Show Bid amount in both words and numbers)

Submitted in the name of: The Markosky Engineering Group, Inc.

Firm or Individual:

By:

Joyce V. Markosky  
(Signature)

Joyce V. Markosky, President

(Title)

Date:

05/15/19



STATE OF WEST VIRGINIA  
Purchasing Division

# PURCHASING AFFIDAVIT

**CONSTRUCTION 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:**

**"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: (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.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: The Markosky Engineering Group, Inc.

Authorized Signature:  Date: 05/15/19

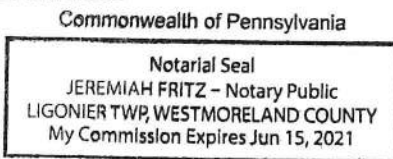
State of Pennsylvania

County of Westmoreland, to-wit:

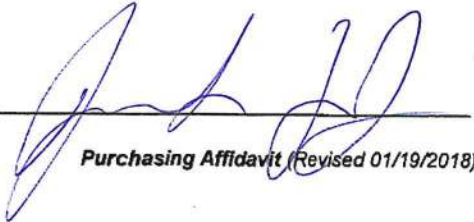
Taken, subscribed, and sworn to before me this 15 day of May, 2019

My Commission expires June 15, 2021

**AFFIX SEAL HERE**



**NOTARY PUBLIC**

  
Purchasing Affidavit (Revised 01/19/2018)