

Michael Baker

INTERNATIONAL

We Make a Difference

May 15, 2019

Bid Clerk
Department of Administration
Purchasing Division
2019 Washington St. E
Charleston, West Virginia 25305

VIA FACSIMILE

Subject: Reconnaissance-Level Architectural Survey of Tyler, Ritchie, Gilmer, Braxton And Doddridge Counties in West Virginia - RFQ DCH190000007

Dear Madam/Sir:

On behalf of Michael Baker International, I am pleased to provide the attached information in response to the above referenced Request for Quotation. We have reviewed and agree with the outlined scope of services included in the RFQ.

Attached please find our summary of qualifications, experience, signed bid forms - including pricing page, along with resumes of our key staff. Additional information on our key staff qualifications or past experience is available upon request.

Thank you for your consideration.

Sincerely,

MICHAEL BAKER INTERNATIONAL



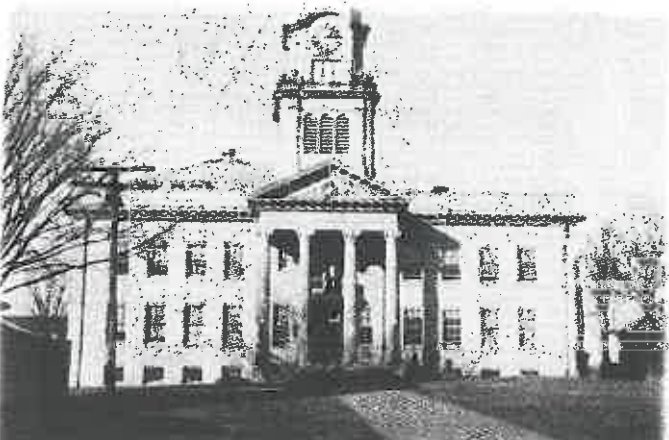
Thomas Bodor
Director of Cultural Resource Services

Attachments

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WV PURCHASING
DIVISION



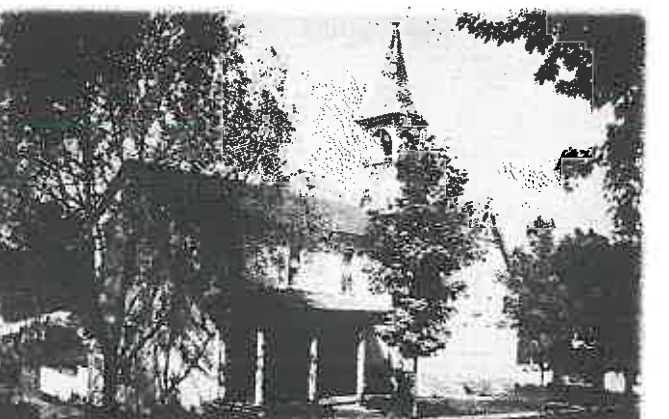
Section Burrell, W. Va. near B. & O. Depot



Court House - Harrisville, W.Va.



City Building Sistersville, W. Va.



First Baptist Church and Parsonage West Union, W. Va.

Request for Quotation for
**RECONNAISSANCE-LEVEL
ARCHITECTURAL SURVEY
OF TYLER, RITCHIE, GILMER,
BRAXTON AND DODDRIDGE
COUNTIES IN WEST
VIRGINIA**

RFQ DCH1900000007

May 15, 2019

PREPARED FOR



West Virginia Division of Culture & History
Capitol Complex, 1900 Kanawha Blvd E,
Charleston, WV 25317



Michael Baker International, Inc.
Airside Business Park
100 Airside Drive
Pittsburgh (Moon Township), PA 15108

Multi-County Historic Resources Survey
West Virginia

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Multi-County Historic Resources Survey
West Virginia

1. INTRODUCTION

Michael Baker

INTERNATIONAL

Michael Baker International, Inc. (Michael Baker), a global leader in engineering design, planning, and consulting has been partnering with communities since 1940 to solve their most complex infrastructure challenges with a legacy of expertise, experience, innovation, and integrity. Supported by more than 3,300 employees in 72 offices throughout the country, we provide a full continuum of lifecycle engineering consulting, specialized global construction, base operations, security management, systems integration, and intelligence solutions. Our clients include federal, state, and municipal governments; foreign allied governments; and a wide range of private development and other commercial partners.

Federal legislation, including the National Historic Preservation Act (NHPA) of 1966 and the National Environmental Policy Act (NEPA) of 1969, as well as a variety of state and local government regulations, require planners to consider the effects of federally funded or permitted projects on archaeological and historic properties. Since 1991, Michael Baker's team of Cultural Resources professionals, situated within the firm's Planning Practice, has skillfully and efficiently guided clients through the complex maze of requirements and regulatory processes. Michael Baker's breadth of experience translates to consistency, reliability, and efficiency for our clients. From massive, multistate, highway or utility corridors to small-scale private-sector endeavors, Michael Baker takes pride in our range of achievement. With cultural resources staff located in Pittsburgh, Pennsylvania (Moon Township); Annapolis, Maryland; Phoenix, Arizona; and Rancho Cordova, California, our practiced team of over 16 full-time and/or consulting professionals has successfully conducted cultural resources investigations across the continental United States, as well as in Hawaii, Puerto Rico, St. Thomas (U.S. Virgin Islands), and Haiti. Michael Baker's key personnel meet appropriate professional standards (as outlined in Archaeology and Historic Preservation: Secretary of the Interior's Standards and Guidelines, Federal Register, Volume 48, No. 190, September 29, 1983, Pt. IV) and are uniquely qualified to meet all your project needs. Michael Baker's staff possesses extensive expertise in conducting both historic architectural and archaeological studies and has a proven track record of performing all manner of cultural resources services. Regarding historic architectural studies specifically, our services include:

ARCHITECTURAL HISTORY SERVICES

- ✦ Building and Land-Use Histories
- ✦ Historical and Archival Research
- ✦ Thematic Survey and Development
- ✦ Delineations of Areas of Potential Effect
- ✦ Architectural Surveys
- ✦ Determinations of National Register of Historic Places Eligibility and Assessments of Adverse Effects
- ✦ Historic American Building Survey (HABS)/Historical Architectural Engineering Record (HAER)/Historic American Landscapes Survey (HALS) Documentation

PRESERVATION ARCHITECTURE & TECHNOLOGY SERVICES

- ✦ Historic Preservation
- ✦ Structural Renovation
- ✦ Adaptive Reuse

ADDITIONAL CULTURAL RESOURCES SERVICES

- ✦ National Register of Historic Places (NRHP) Nominations
- ✦ Cultural Resource Management Plans
- ✦ Historic Preservation Plans
- ✦ Context Sensitive Design
- ✦ Programmatic Agreements
- ✦ Memoranda of Agreement/Understanding
- ✦ Section 4(f) Evaluations
- ✦ Certified Local Government Training
- ✦ Section 106 Coordination
- ✦ GIS-based Analyses: Viewshed Analyses
- ✦ Public Education & Outreach

**Multi-County Historic Resources Survey
West Virginia****2. KEY STAFF AND RELEVANT EXPERIENCE**

Michael Baker's 36 CFR Part 61-qualified team of qualified architectural historians, historic preservation professionals, and historians have experience across the country in identifying and evaluating historic resources, including individual buildings and structures, districts, landscapes, and even battlefields. Our project lead is Mr. Timothy G. Zinn, M.A., who will serve as the Project Manager/Senior Architectural Historian and main point-of-contact for the duration of the contract.

Mr. Zinn has over 32 years of applicable experience in performing and managing Historic Building Evaluations, Historic Resources Surveys, Determination of Eligibility studies, Criteria of Adverse Effect findings, Memoranda of Agreement, NRHP nominations, State Historic Resources surveys, as well as HABS and HAER-level documentation. In addition to his full-time position at Michael Baker, Mr. Zinn is also an Instructor within the Department of Anthropology at the University of Pittsburgh where he teaches a class in Cultural Resources Management, the National Environmental Policy Act, and the National Historic Preservation Act's Section 106 process. Mr. Zinn will ensure that all work is conducted to meet the needs of the contract scope of services, on-time and on-budget. Mr. Zinn will be supported by architectural historians Jesse A. Belfast, M.A. and Justin P. Greenawalt, M.S. Additional qualified personnel are available and can be added to assist in expediting the project at any time if needed. The assigned staff possess vast experience in conducting historic architectural surveys as well as developing geographic and thematic contextual development on local, state, and national levels.

Resumes highlighting pertinent sample experience can be found on the subsequent pages, followed by relevant project experience summaries. Additional information on our staff or corporate qualifications is available upon request.

Multi-County Historic Resources Survey
West Virginia**Timothy G. Zinn**

Project Manager

General Qualifications

Mr. Zinn is a historic preservation specialist and architectural historian manager for the Pittsburgh office. He has many years of experience in the Mid-Atlantic region, serving as both principal investigator and project/task manager for numerous historic resource projects in multiple states. Mr. Zinn has a proven track record in Section 106 documentation, including Historic Resource Surveys, Determination of Eligibility studies, Criteria of Adverse Effect findings, Memoranda of Agreement, National Register of Historic Places nominations, Historic American Buildings Survey/Historic American Engineering Record (HABS/HAER) documentation, and State Historic Resource surveys.

Relevant Sample Experience

Appalachian Corridor H Environmental Impact Statement, Appalachian Highlands Region, Elkins, West Virginia. *West Virginia Department of Transportation, Division of Highways.* Architectural Historian. Responsible for conducting a historic resources survey. Also responsible for preparing a West Virginia Historic Property Inventory Forms, Determination of Eligibility reports, and Criteria of Effects reports. The Appalachian Corridor H is a 100-mile proposed four-lane highway intended to provide access from Interstate 81 in Northwestern Virginia through the rugged, mountainous terrain of West Virginia's Appalachian Highlands Region. Michael Baker was responsible for preparing the tiered Corridor H Supplemental EIS study. This consisted of a corridor-level study evaluation (Corridor Selection EIS) to determine the environmental and engineering constraints existing along 24 potential alternative corridors (Tier 1) and a follow-on Alignment Selection FEIS (Tier 2). Michael Baker also provided advanced preliminary engineering on the preferred alignment. Following the 1996 Record of Decision, the WV DOT and FHWA were sued in Federal District and Appeals Courts by a coalition of 13 environmental groups. Michael Baker provided lawsuit support for legal counsel during that period—project is now under construction and Michael Baker is providing environmental monitoring and engineering services.

King Coal Highway EIS, Mingo, Wyoming, McDowell, and Mercer Counties, and Williamson and Bluefield, West Virginia. *West Virginia Department of Transportation, Division of Highways, District 3.* Architectural Historian. Responsible for conducting a historic resources survey. Also responsible for preparing the West Virginia Historic Property Inventory Forms, Determination of Eligibility reports, and Criteria of Effects reports. Michael Baker's current involvement in this proposed 95-mile long, four-lane highway project included: agency scoping; preparation of a Purpose and Need Study; Alternatives Analysis resulting in a reduction of Build Alternatives Report; and analysis of the physical, natural, and socioeconomic environment, for the preparation of the DEIS, FEIS and ROD.

Shawnee Parkway, Southern Counties, West Virginia. *West Virginia Department of Transportation, Division of Highways.* Architectural Historian. Responsible for conducting a historic resources survey. Also responsible for preparing West Virginia Property Inventory Forms and Determination of Eligibility report. Michael Baker conducted a Purpose and Needs Study for the Shawnee Highway, a proposed two-lane roadway spanning approximately 20 miles from Ashland to Ghent, across four southern West Virginia counties (McDowell, Mercer, Raleigh, and Wyoming).

New River Parkway Environmental Impact Statement, New River Gorge, West Virginia. *West Virginia Department of Transportation, Division of Highways.* Task Manager. As an Architectural Historian, identified and recorded historic

Years with Michael Baker: 25**Years with Other Firms: 7****Degrees**M.A., 1996, Historic Preservation,
Middle Tennessee State UniversityB.S., 1986, Accounting/Computer
Science, Salem College**Licenses/Certifications**Architectural Historian (36 CFR61)
Qualified2.7.1 Sec. 4 (F)/6 (F) Evaluations,
Pennsylvania, 20052.8.1 Surv. Res. & Doc. of Hist.
Build. Str. & O. Pennsylvania, 20052.11.1 Historical and Archival
Research, Pennsylvania, 2005

**Multi-County Historic Resources Survey
West Virginia**

resources. Co-authored the Cultural Resources Technical Report and Criteria of Effects Report. Principal author of the four-volume Addendum Report. Michael Baker worked with the Community Design Assistance Center at Virginia Polytechnic Institute and State University to complete a historical, architectural and archaeological survey and evaluation of the New River Gorge area between Hinton and Sandstone, West Virginia. Michael Baker's work also included Indiana Bat mist net survey and an extensive analysis of secondary and cumulative impacts.

Shepherdstown Bridge, Jefferson County, West Virginia, and Washington County, Maryland. *West Virginia Department of Transportation, Division of Highways.* Architectural Historian. Responsible for conducting a historic resources survey and preparing a Determination of Eligibility report. Also assisted with Historic American Engineering Record photographic and written documentation. Michael Baker was selected by the West Virginia Division of Highways (WVDOT) to provide all environmental and engineering services for the replacement of the James Rumsey Bridge. The bridge is a historic structure of Wichert Truss design originally constructed in 1937. It is listed on the National Register of Historic Places. The James Rumsey Bridge carries WV Route 480 and MD Route 34 vehicular traffic over the Potomac River. The bridge currently has sidewalks on both sides that carry pedestrians and bicyclists. The bridge also crosses over the C&O Canal National Park and National Register listed C&O Canal on the Maryland side. The town of Shepherdstown, West Virginia lies on the west side of the bridge. The replacement of the bridge is necessitated by its rapidly deteriorating condition. The AASHTO LRFD Bridge Design Specifications were used for this bridge design.

Route 9 Upgrade Cultural Resources Services, Berkeley & Jefferson Counties, West Virginia. *West Virginia Department of Transportation, Division of Highways.* Project Manager. As an Architectural Historian, responsible for identifying and recording historic resources. Co-author of Cultural Resources Inventory with Determinations of Eligibility Report and of the four-volume Addendum Report. Principal author of Criteria of Effects Evaluation, and Border/Bower Road Alternatives Architectural and Historical Documentation, Minor Hurst National Register Boundary Resolution, and Barry Johnson Alternatives Architectural and Historical Documentation Reports. Michael Baker's Cultural Resources Section was involved in multiple aspects of this project, including evaluations of cultural resource potential (Phase Ia and Phase I investigative efforts), Phase Ib Archaeological Surveys and Phase II Architectural and Archaeological Studies.

Multi-County Historic Resources Survey
West Virginia**Jesse A. Belfast**

Architectural Historian

General Qualifications

Mr. Belfast is a historian and architectural historian with experience in numerous aspects of Section 106 compliance, including National Register of Historic Places nominations, historic structure surveys, state inventory form preparation, criteria of effects evaluations, MOA/MOU preparation, programmatic agreement preparation, public involvement coordination, archival records research, deed research, and HABS/HAER documentation. His project involvement at Michael Baker includes preparing historic context reports and evaluating historic structures for National Register eligibility for projects in fifteen states as part of the U.S. Department of Homeland Security's US-VISIT initiative, as well as Section 106 related work for state departments of transportation in Pennsylvania, West Virginia, Indiana, Ohio, New Jersey, Maryland, Illinois, Arkansas, Missouri, and Louisiana, and numerous private and public-sector clients.

Relevant Sample Experience

Appalachian Corridor H Environmental Impact Statement, Appalachian Highlands Region, Elkins, West Virginia. *West Virginia Department of Transportation, Division of Highways.* Architectural Historian. Conducted a cultural resources survey and prepared a determination of eligibility report for historic structures. The Appalachian Corridor H is a 100-mile proposed four-lane highway intended to provide access from Interstate 81 in Northwestern Virginia through the rugged, mountainous terrain of West Virginia's Appalachian Highlands Region. Michael Baker was responsible for preparing the tiered Corridor H Supplemental EIS study. This consisted of a corridor-level study evaluation (Corridor Selection EIS) to determine the environmental and engineering constraints existing along 24 potential alternative corridors (Tier 1) and a follow-on Alignment Selection FEIS (Tier 2).

Coalfields Expressway, McDowell, Wyoming, and Raleigh Counties, and Williamson and Bluefield, West Virginia. *West Virginia Department of Transportation, Division of Highways.* Historian. Conducted historical and genealogical research to document the historic-period settlement of the project area and its extant historical and archaeological resources. Michael Baker conducted a Purpose and Need Study for the Coalfields Expressway, a proposed four-lane highway that would span approximately 60 miles across three southern West Virginia counties (McDowell, Wyoming, and Raleigh), with the southern terminus extending into Buchanan County, Virginia.

Shepherdstown Bridge, Jefferson County, West Virginia, and Washington County, Maryland. *West Virginia Department of Transportation, Division of Highways.* Architectural Historian. Responsibilities included preparing Historic American Engineering Record (HAER) documentation for the James Rumsey Bridge. Also served as Author on this project. Michael Baker was selected by the West Virginia Division of Highways (WVDOH) to provide all environmental and engineering services for the replacement of the James Rumsey Bridge. The bridge is a historic structure of Wichert Truss design originally constructed in 1937. It is listed on the National Register of Historic Places. The James Rumsey Bridge carries WV Route 480 and MD Route 34 vehicular traffic over the Potomac River. The bridge currently has sidewalks on both sides that carry pedestrians and bicyclists. The bridge also crosses over the C&O Canal National Park and National Register listed C&O Canal on the Maryland side.

Years with Michael Baker: 15**Years with Other Firms: 0****Degrees**Doctoral Studies, 0, History,
Carnegie Mellon UniversityM.A., 2001, History, Carnegie
Mellon University

B.A., 1999, English, Duke University

Licenses/CertificationsArchitectural Historian (36 CFR61)
QualifiedHistorian (36 CFR61) Qualified,
2001Section 106/National Register
Eligibility, 2001OSHA 40-Hour HAZWOPER
Training with Bloodborne
Pathogens Training, 2007OSHA 8-Hour HAZWOPER
Supervisor Training, 2007

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West Virginia**

District 9 Headquarters, West Virginia. *West Virginia Department of Transportation, Division of Highways.* Architectural Historian. Responsibilities included conducting a field survey, historical research, and preparing West Virginia Historic Property Inventory forms. This project consisted of a Phase I cultural resources survey of the proposed West Virginia Department of Transportation (WVDOT) District 9 Headquarters property, north of the Town of Lewisburg, West Virginia. The Phase I archaeological survey of the parcel resulted in the identification of the Stonehouse Road site (46GB451), a small prehistoric site of unknown age. The architectural survey documented the ca. 1956 Coffman House. These cultural resources were not significant, and further cultural resources work was recommended in the project area.

Fairview to Lowes Connector Cultural Resources Survey, Greenbrier County, West Virginia. *West Virginia Department of Transportation, Division of Highways.* Architectural Historian. Responsible for conducting a historic structures survey within the project area, including conducting property research at local repositories, documenting historic-age properties on West Virginia above-ground survey forms, and evaluating properties for National Register eligibility. Under a statewide cultural resources investigation agreement, Michael Baker is performing a Phase I cultural resources survey for the proposed Fairview to Lowes Connector, a new east-west access road between U.S. 219 and Fairview Road, which is designated C.R. 32. Michael Baker's services include a historic architectural resources investigation, an archaeological resources study, and preparation of draft and final cultural resources survey reports.

S.R. 14 Improvements from I-77 at Mineral Wells to Pettyville, Environmental Assessment, Wood County, West Virginia. *West Virginia Department of Transportation, Division of Highways.* Architectural Historian. Responsibilities included conducting background research, preparing a historical context study, preparing a determination of eligibility report, and preparing West Virginia Historic Property Inventory Forms. Michael Baker is performing an environmental assessment in support of improvements to S.R. 14 from I-77 at Mineral Wells to Pettyville. Michael Baker's services include project management; purpose and need development and alternatives analysis; geographic information system (GIS) and exhibit development; identification of socioeconomic, water resources, natural resources, air quality, noise, hazardous materials, and cultural resources impacts; agency and public outreach support; traffic analysis and forecasting; and report preparation.

Cultural Resources Investigations within the Van Metre Ford Bridge Replacement Project Area, Berkeley County, West Virginia. *West Virginia Department of Transportation, Division of Highways.* Architectural Historian. Responsibilities included conducting a historic structure field survey, delineating an architectural Area of Potential Effect, preparing West Virginia Historic Property Inventory forms, preparing historic context, determination of eligibility, and criteria of effects reports. The proposed project consists of the construction of a replacement bridge adjacent to the existing 1832 Van Metre Ford Bridge over Opequon Creek. Archaeological studies consisted of a geomorphological assessment, Phase I survey, mechanical stripping near a historic cemetery, generation of Phase I report, and subsequent Phase II testing and reporting.

Multi-County Historic Resources Survey
West Virginia**Justin P. Greenawalt**

Architectural Historian

General Qualifications

Mr. Greenawalt is an architectural historian with nearly a decade of experience in historic resource surveys, state inventory form preparation, archival records research, deed research, historic preservation education, and public engagement. Other project involvement at Michael Baker includes providing historic context reports, evaluating historic structures for National Register eligibility, and preparation of documentation for the Federal Historic Preservation Tax Incentives Program. Additionally, Mr. Greenawalt volunteers his time as a Director of two historic preservation oriented, non-profit organizations; assisting the public in accessing, understanding, and utilizing preservation tools to enhance their communities. Mr. Greenawalt is a qualified architectural historian in accordance with the Secretary of the Interior's Standards and Guidelines for Historic Preservation (36 CFR Part 61).

Relevant Sample Experience (Michael Baker)

Pittsburgh Architectural Inventory: West End Elliot, Brighton Heights, and Hill District Neighborhoods, City of Pittsburgh, Allegheny County, Pennsylvania. *City of Pittsburgh, Pennsylvania.* Architectural Historian. Responsible for the field documentation of historic buildings located in the City of Pittsburgh neighborhoods of West End and Elliot.

Historic District Guideline Update, City of Pittsburgh, Allegheny County, Pennsylvania. *City of Pittsburgh, Pennsylvania.* Architectural Historian. Responsible for ongoing project facilitating dialogue between subject/test case historic district, Allegheny West to revise current historic district design guidelines.

Other Michael Baker Experience

Checkmark 24" Natural Gas Pipeline Project, Marshall County, West Virginia. *Williams Midstream.* Architectural Historian. Responsible for participating in historic resources field survey.

I-79 Upgrade South Fairmont to Pleasant Valley Engineering Services, Marion County, West Virginia. *West Virginia Department of Transportation, Division of Highways.* Architectural Historian. Responsible for determining APE and drafting methodology report in anticipation of upcoming formal historic resources survey.

Signode Building, Phase I Tax Credit Application and National Register Nomination, City of Weirton, Hancock County, West Virginia. *Inter-Modal Holding, LLC.* Architectural Historian. Responsible for the compiling of a Part I Application for historic tax credit rehabilitation project and the research and documentation of the subject building through a complete National Register nomination.

Non-Michael Baker Project Experience

Historic Resources Survey for Calhoun, Clay, Roane, Wirt, Pocahontas, and Pendleton Counties, West Virginia. *Skelly & Loy, Inc.* Historic Resources Field Survey Technician (Short-term, grant-funded position). In 2011, conducted survey of over 500 historic resources; developed and implemented methodology for field-specific documentation and photography.

Years with Michael Baker: <1
Years with Other Firms: 8

Degrees

M.S., 2010, Historic Preservation,
Columbia University

B.A., 2008, Architectural Studies,
University of Pittsburgh,
Pittsburgh Campus

Licenses/Certifications

Real Estate License, Pennsylvania,
2016 [REDACTED]

Architectural Historian (36 CFR61)
Qualified

**Multi-County Historic Resources Survey
West Virginia**

Development of Historic Documentation Internship program in partnership with University of Pittsburgh, Department of Architectural Studies. *Franklin West, Inc.* As a Leasing Manager, successfully marketed and leased Franklin West, Inc.'s portfolio of more than 430 rental units. Interviewed, hired, trained, supervised, and managed team of leasing professionals; and Researched and documented Franklin West, Inc.'s inventory of historic buildings.

Community Activities

Preservation Pittsburgh, April 2015 - Present. *Director.* Authored, co-authored, and guided submission of City of Pittsburgh historic nominations for Albright United Methodist Church, Saint George Roman Catholic Church, Croatian Fraternal Union, City-County Building; developed and guided walking tours; led community outreach initiatives.

East Liberty Valley Historical Society, 2013-Present. *Director/President.* Developed educational programming focusing on the East End neighborhoods of the City of Pittsburgh; published articles on assorted topics directly related to Pittsburgh's East End.

Presentations

Justin P. Greenawalt, *In Plain Sight: Fragments of a Vanished East End*, Wilkinsburg Historical Society, March 19, 2018

Justin P. Greenawalt, Cara Halderman, *The Greater Good: How Historic Preservation Saves Our City*, East Liberty Valley Historical Society/Preservation Pittsburgh, March 9, 2018

Justin P. Greenawalt, *In Steel and Stone: Architectural Styles of Pittsburgh's East End*, East Liberty Valley Historical Society, March 2, 2018

Justin P. Greenawalt, *In Plain Sight Redux: More Fragments of a Vanished East End*, East Liberty Valley Historical Society, December 1, 2017

Justin P. Greenawalt, *Wish You Were Here: Postcard Views of Pittsburgh's East End*, East Liberty Valley Historical Society, June 3, 2016

Justin P. Greenawalt, *In Plain Sight: Fragments of a Vanished East End*, East Liberty Valley Historical Society, December 4, 2015

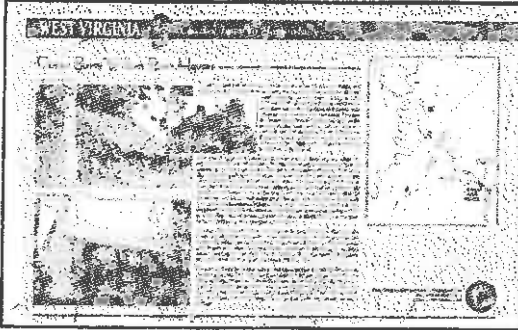
Teaching

Instructor, *Listing with Style*, REALTORS Association of Metropolitan Pittsburgh, January 22, 2018, March 22, 2018, May 17, 2018

Instructor, *From Old to Sold*, REALTORS Association of Metropolitan Pittsburgh, November 17, 2017, February 7, 2018

Multi-County Historic Resources Survey
West Virginia

PAST PROJECT EXPERIENCE

Michael Baker Historic Resource Identification and Determination of Eligibility: West Virginia
INTERNATIONAL Route 9 Upgrade Project, Berkeley and Jefferson Counties, West Virginia

Michael Baker was involved in multiple aspects of the West Virginia Route 9 Upgrade Project for the WVDOH, including evaluations of cultural resource potential (Phase Ia investigations), Phase Ib Archaeological Surveys, and Phase II Architectural and Archaeological Studies for this project. Situated in Berkeley and Jefferson counties, West Virginia, the project area was approximately 10 miles long and travelled roughly northwest and southeast between the county seats of Martinsburg and Charles Town. The proposed highway alignment averaged 300 feet in width and included multiple alignment shifts or new bypass alternatives, numerous

interchanges, access roads that connected it with existing WV Route 9, and other secondary roads. The project area was situated in the Eastern Panhandle of West Virginia - a region that is topographically, socially, economically, and historically diverse, having been located at the "fracture zone" of North-South aggressions during the Civil War. The project area was the site of many military engagements during the war.

The architectural evaluation of the entire Route 9 project resulted in the inventory of more than 300 historic buildings that are greater than 50 years of age. The resources ranged from a plantation mansion constructed in 1767, to slave quarters of the early 1800s, to a classic Sears and Roebuck home of 1925 vintage. Of the historic properties inventoried, five were already listed in the National Register of Historic Places. One of these, known as "Traveler's Rest," is a National Historic Landmark. A Determination of Effect Report presented an analysis of the potential effects of three roadway alternatives on each National Register Listed or Eligible historic resource identified within the respective APEs of these alternatives. The report included an analysis of direct physical, visual, auditory, and secondary and cumulative impacts. Historic resource investigations also included examination of part of the August 25, 1864 Kearneysville Battlefield. An intensive metal detector survey was performed that included piece-plotting of recovered artifacts. During survey, 199 metal artifacts were found that were directly associated with the battle, including bullets and shell casings, artillery shell fragments, and clothing items. Analysis of artifact distribution patterns refined both Union and Confederate activity areas during the battle and aided in the assessment of the project area portion of the battlefield.

In partial fulfillment of the Memorandum of Agreement prepared for the project, Michael Baker also designed table-top style interpretive signage/historical markers that were incorporated into bike path rest areas at or near historical and natural resources. The signage provides historic and modern photographs of National Register-listed and eligible properties along with a narrative explaining the historical and cultural importance of the property. Michael Baker historians compiled the graphics and developed the narratives using information they collected from extensive research of both primary and secondary source material, oral histories, and intensive field surveys. The signs also incorporated site location maps of the entire corridor/bikeway to provide a means for the public to both visualize and conceptualize the unique place this portion of eastern West Virginia has held throughout history.

Client: Ben Hark | Environmental Section Head
West Virginia Department of Transportation
Division of Highways
1334 Smith Street
Charleston, West Virginia 25301
Phone: 304.558.9670 | Ben.L.Hark@wv.gov

Multi-County Historic Resources Survey
West Virginia

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Thematic Historic Resource Surveys: Vernacular Architecture within the Corridor H Project Area, Randolph, Tucker, Grant, and Hardy Counties, West Virginia, Hardy, Grant, Tucker, and Randolph Counties, WV



Michael Baker performed cultural resources investigations on behalf of the West Virginia Department of Transportation, Division of Highways (WVDOH) on approximately 216 km (134 mi) of highway right-of-way for the Appalachian Corridor H Project, located in east-central West Virginia. The project extends from Elkins, West Virginia, eastward to the West Virginia/Virginia state line, bisecting portions of Randolph, Tucker, Grant, and Hardy counties, and traversing portions of both the Appalachian Plateaus and the Ridge and Valley physiographic provinces. historic above-ground resource studies also have been completed during the Corridor H undertaking. As part of these investigations, Michael Baker examined over 1,200 standing structures, assessed and/or

established rural, residential, business, and industrial historic districts, and investigated four Civil War battlefields. The results of these studies have been presented in both Determination of Eligibility Reports and Criteria of Effects Reports, the latter format assessing the potential project impacts on eligible and National Register-listed properties. Part of any challenge in conducting such large historic resource surveys is the ability to identify potential cultural, ethnic, temporal, spatial, and/or architectural themes or trends that serve to unify and exemplify a region's or group's cultural identity—both present and past. Pursuant to this, the WVDOH tasked Michael Baker with the challenge to establish more definitive criteria for evaluating the significance of vernacular resources and their subsequent inclusion in the National Register of Historic Places. During the project, several regional vernacular architectural forms were documented. However, the form most commonly identified within the project area was the I-House – a folk house type with core elements consisting of a rectangular plan, side gable roof, two stories high, two rooms wide, and one room deep. This vernacular resource has its origins in the British Isles and is known to have spread from the eastern United States through the Mid-Atlantic region (e.g., southeastern Pennsylvania) and into the Upland South (i.e. Appalachia, including West Virginia). Examples in the United States are known from the eighteenth century, with construction continuing into the early twentieth century. Studies within the Corridor H project area identified a set of four discrete I-House variations that were constructed during the second half of the nineteenth century and into the twentieth century.

Among the keys to conceptualizing vernacular forms of architecture such as the I-House is understanding that such resources are intimately tied to local history and cultural patterns; and that because of this association, evaluation against a backdrop of the local built environment as well as a context of regional developmental trends is a necessity. In the case of vernacular architectural resources, for example, significance is typically related to their ability to reflect notable patterns in rural lifeways, local building traditions, and agricultural development, among other trends. Integral to such an evaluation is also determining what elements must be present for a building to exemplify a particular vernacular form. As a means of assessing architectural integrity, Michael Baker developed a vernacular resource integrity evaluation rating method that utilized a sliding scale. This rating method was based on the concept of defining essential physical features of vernacular resources (e.g., plan, fenestration, siding materials, foundation materials, chimney(s), window materials, roof materials, porch(es), stylistic details, and support buildings) and then evaluating those surviving features in the resource(s) under study. Use of this method allowed Michael Baker to maintain consistency in evaluations throughout the Corridor H Project Area—with the awareness that a resource could still be considered eligible even though its integrity rating fell at or immediately below the threshold of eligibility. The rating scale was applied to all vernacular resources – particularly I-Houses – in the Corridor H project area. At the time of its creations, its practical application was acknowledged by the West Virginia Division of Culture and History to be a useful means of evaluating integrity in frame construction, turn- of-the-twentieth-century, and unstyled buildings found in the Corridor H project area.

Multi-County Historic Resources Survey
West Virginia

Client: Ben Hark | Environmental Section Head
West Virginia Department of Transportation
Division of Highways
1334 Smith Street
Charleston, West Virginia 25301
Phone: 304.558.9670 | Ben.L.Hark@wv.gov

Michael Baker
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Historic Resources Survey and Determination of Eligibility for the 5th Street Bridge Replacement Project, City of Huntington, Cabell County, West Virginia



Michael Baker conducted an intensive-level historic resources survey on behalf of the West Virginia Division of Highways (DOH) for a project involving the repair or replacement of a bridge carrying 5th Street/WV527 over Four Pole Creek in Huntington, West Virginia. The 96-year-old bridge exhibits delamination, cracks, and scour in its concrete elements. Due to these conditions and the advanced age of the reinforced concrete structure, replacement of the 5th Street Bridge is recommended. The purpose of the historic resources survey was to identify all properties forty-five (45) years of age or greater (constructed prior to 1972) within the project's Area of

Potential Effects (APE) and to assess the NRHP eligibility of those identified resources.

It was found that the 8.1-acre 5th Street Bridge APE, which included 17 surveyed buildings (as well as the previously surveyed/identified ca. 1920 5th Street Bridge), encompassed portions of a much larger neighborhood which is potentially eligible for listing in the NRHP – the 20.4-acre portion of the potential South Huntington Residential Historic District. Although it was determined that none of the 17 identified resources, as well as the bridge, were individually eligible for the NRHP, they did contribute to the broader district. The South Huntington Residential Historic District is significant under Criterion A in the area of community planning and development as an example of middle- to upper-middle class suburban development in Huntington from ca. 1910 to ca. 1960. The core of the district is part of the original street grid of Huntington laid out in the early 1870s but not actually subdivided and built until the early 1910s. As a result, the district contains a gridiron street plan and density of development common to streetcar-era suburbs developed across the United States from the 1890s to the late 1920s, but the fringes of the district, which border Four Pole Creek and Ritter Park also contain curvilinear streets and larger, irregular lots that exploit the park setting and natural topography. The district is also significant under Criterion C for its collection of residential architecture representing popular styles from its ca. 1910 to ca 1960 period of significance, including Colonial Revival, Neoclassical, Renaissance Revival, Arts and Crafts, Prairie, Tudor Revival, and Ranch. The district contains many architect-designed and high-style examples of these styles, and compared with other areas in Huntington, the district is significant for its high degree of architectural integrity.

Client: Ben Hark | Environmental Section Head
West Virginia Department of Transportation
Division of Highways
1334 Smith Street
Charleston, West Virginia 25301
Phone: 304.558.9670 | Ben.L.Hark@wv.gov

Multi-County Historic Resources Survey
West Virginia**3. PROJECT APPROACH AND PLAN****SCOPE OF SERVICES**

The following are the mandatory requirements for the architectural survey taken directly from the RFQ. We agree to the requirements outlined in the RFQ, as follows:

Conduct a reconnaissance-level historic resources survey in unincorporated areas located with the following counties. The survey will begin in: 1) Tyler County, followed by 2) Ritchie County, followed by 3) Gilmer County, followed by 4) Braxton County, followed by 5) Doddridge County until 750 architectural resources have been documented on West Virginia Historic Property Inventory (HPI) Forms. Resources that could be surveyed include buildings, structures, objects, and sites (excluding archaeological sites, surveyed cemeteries must be recorded on the West Virginia Cemetery Inventory Form) per the following specifications:

- 1.1.1. Provide research and write a 10-20-page history for each county to provide a context that identifies specific themes of history associated with the built resources found within the project area which provides information to evaluate NR eligibility as outlined in National Park Service Bulletin 24 which is titled Guidelines for Local Surveys: A Basis for Preservation Planning.
- 1.1.2. Completion of a West Virginia Historic Property Inventory (HPI) form [Attachment "A" (link: <http://www.wvculture.org/shpo/wvhpi.pdf>)] for seven hundred and fifty (750) historic resources that are at least forty-five (45) years old and retain historic architectural integrity. Each main resource will be documented separately with ancillary or supporting buildings and/or structures recorded and described on the same HPI form as the primary or main resource (e.g., main dwelling house & ancillary buildings or structures such as a garage, privy, or outbuilding).
 - 1.1.2.1. All FINAL HPI forms will be supplied in hard copy format, in Microsoft Access database format (database template to be provided at initial meeting with Vendor), and in PDF format on CD-R media.
 - 1.1.2.2. All FINAL HPI forms will be saved as a separate PDF document and saved by the West Virginia HPI site number to be assigned by the WV SHPO.
 - 1.1.2.3. All FINAL HPI forms will be submitted with a minimum of two current photographs of the documented resource(s). At least one of the photos for each resource will be a three-quarter view that illustrates the main elevation of the primary resource. The additional photo(s) will show a different view of the primary resource. Ancillary buildings and/or structures will also be photographed.
 - 1.1.2.4. Photographs will be taken digitally and embedded on the HPI form or on an HPI form Continuation Sheet. Electronic images must be submitted on CD- R media, must be saved by the West Virginia HPI site number, and will meet the current (updated 5/15/2013) National Park Service's (NPS) standards for electronic images.
- 1.1.3. Provide United States Geological Survey (USGS) topographic maps, or sections of the appropriate quadrangle map, that details resource locations of surveyed resources. Computer generated maps are also acceptable.
 - 1.1.3.1. Maps will be labeled with name of county, quadrangle name, and HPI site numbers.
 - 1.1.3.2. Documented sites must be digitized as an ESRI shape file using the site number as the identifying attribute.

Multi-County Historic Resources Survey
West Virginia

- 1.1.3.3. The map projection should use UTM 17 North NAD 83.
- 1.1.4. Provide Spatial Data of all surveyed resources.
 - 1.1.4.1. Spatial data should be provided in an ESRI Shapefile or Geodatabase.
 - 1.1.4.1.1. When possible, we will use WV SHPO template geodatabase.
 - 1.1.4.1.2. All resources surveyed will include a unique Site ID (provided by WV SHPO staff) in the attribute table. The format for the Site ID is: XX-0000 (capitalized county abbreviation, hyphen, four numbers)
 - 1.1.4.1.3. Map projection will be NAD 83 Zone 17N.
 - 1.1.4.2. Spatial data geometry will use the following recommendations.
 - 1.1.4.2.1. Point geometry is to be used for buildings, structures, objects, and sites (e.g. cemeteries) under 500 square meters (typically 10 grave sites or less).
 - 1.1.4.2.2. Polygon geometry is to be used for linear resources, such as: roads, bridges, rail roads, tunnels, etc. Polygon geometry should be used for districts, farmsteads, or cemeteries with more than 10 grave sites.
- 1.1.5. Provide written recommendations of National Register eligibility for the surveyed resources in accordance with National Park Service Bulletin 15 is titled How to Apply the *National Register Criteria for Evaluation* and the link is here: <https://www.nps.gov/nr/publications/bulletins/nrb15/>.

These eligibility recommendations will be included in the Statement of Significance field within each HPI form and in tabular format in the final narrative survey report for each county.

- 1.1.6. For each county documented, complete a final county survey report that will:
 - 1.1.6.1. Provide the historic overview of the county;
 - 1.1.6.2. Describe contractor survey methodology;
 - 1.1.6.3. Describe documented property types;
 - 1.1.6.4. Include USGS maps that label surveyed resources by HPI site inventory number;
 - 1.1.6.5. Provide a table of resources and associated NRHP eligibility recommendations;
 - 1.1.6.6. Final survey reports will also be submitted in bound hard copy and as a PDF file.
- 1.1.7. All Final Items will be submitted electronically and in hard copy format. **Only draft versions may be submitted exclusively in electronic version.**

Quality Assurance/Quality Control (QA/QC)

All deliverables will follow the Michael Baker Planning Practice's established QA/QC process, which ensures a multi-level review of all work products. Copies of this plan are available upon request.

**Multi-County Historic Resources Survey
West Virginia**

4. PROPOSED WORK SCHEDULE

The work schedule proposed below provides a general time frame for the completion of all work within the one-year term for the contract. A final schedule with additional details will be provided following contract award after consultation and approval by client.

- 5/31/2019 Contract Awarded
- 6/1/2019 Contract executed with consultant(s); project commences
- 6/15/2019 Kick off meeting
- 10/31/2019 Draft Historic Contexts for Counties
- 12/31/2019 750 Draft WVHPI Forms
- 1/31/2020 750 Draft WVHPI
- 4/31/2020 Final WVHPI and Historic Context

Multi County Historic Resources Survey
West Virginia

5. BID FORMS

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.

Tim Zinn, Senior Associate, Senior Architectural Historian

(Name, Title)

(Printed Name and Title)

100 Airside Drive, Airside Business Park, Moon Township, PA 15108

(Address)

412-269-4619

(Phone Number) / (Fax Number)

tzinn@mbakerintl.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.

Michael Baker International, Inc.

(Company)



(Authorized Signature) (Representative Name, Title)

H. Daniel Cessna

(Printed Name and Title of Authorized Representative)

5/8/2019

(Date)

412-269-6300 / 412-375-3980

(Phone Number) (Fax Number)

Revised 01/24/2019

Multi-County Historic Resources Survey
West Virginia

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

10. VENDOR DEFAULT:

10.1. The following shall be considered a vendor default under this Contract.

10.1.1. Failure to perform Contract Services in accordance with the requirements contained herein.

10.1.2. Failure to comply with other specifications and requirements contained herein.

10.1.3. Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.

10.1.4. Failure to remedy deficient performance upon request.

10.2. The following remedies shall be available to Agency upon default.

10.2.1. Immediate cancellation of the Contract.

10.2.2. Immediate cancellation of one or more release orders issued under this Contract.

10.2.3. Any other remedies available in law or equity.

1. MISCELLANEOUS:

1.1. **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.

Contract Manager: Tim Zinn, Senior Architectural Historian
Telephone Number: 412-269-4619
Fax Number: 412-375-3979
Email Address: tzinn@mbakerintl.com

Revised 10/27/2014

Multi-County Historic Resources Survey
West Virginia

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

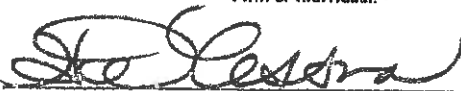
Date: 5/14/2019

Name of Vendor: Michael Baker International, Inc.

BASE BID SUM FOR SEVEN HUNDRED FIFTY (750) HPI FORMS:
\$ 99,520.38

Ninety nine thousand five hundred twenty dollars and thirty eight cents
(Show Bid amount in both words and numbers)

Submitted in the name of: Michael Baker International, Inc.
Firm or Individual.

By: 
(Signature)

H. Daniel Cessna, Senior Vice President
(Title)

Date: 05/15/2019

Revised 12/12/2017

Multi-County Historic Resources Survey
West Virginia

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: Michael Baker International, Inc.

Authorized Signature: [Signature] Date: 5/8/2019

State of Pennsylvania

County of Allegheny to-wit

Taken, subscribed, and sworn to before me this 7th day of May 2019

My Commission expires January 31, 2023 20

AFFIX SEAL HERE

NOTARY PUBLIC

[Signature]
Purchasing Affidavit (Revised 6/19/2018)

Commonwealth of Pennsylvania - Notary Seal
Jenna M. Skopinski, Notary Public
Beaver County
My commission expires January 31, 2023
Commission number 1260482

Member, Pennsylvania Association of Notaries

Multi-County Historic Resources Survey
West Virginia

RFQ DCH1900000007

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

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 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.

Michael Baker International, Inc.

 Company


 Authorized Signature
 05/15/2019

 Date

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