



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFC NUMBER
PTR11023

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
**FRANK WHITTAKER
 304-558-2316**

VENDOR

RFQ COPY
TYPE NAME/ADDRESS HERE
 Alpha Associates, Incorporated
 209 Prairie Avenue
 Morgantown, WV 26501

SHIP TO

DIVISION OF PUBLIC TRANSIT
BUILDING 5, ROOM 906
1900 KANAWHA BOULEVARD, EAST
CHARLESTON, WV
25305-0432 304-558-0428

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
10/25/2010				

BID OPENING DATE: **12/16/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-00-00-001		
<p>ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL</p> <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF PUBLIC TRANSIT IS SOLICITING EXPRESSIONS OF INTEREST FOR ARCHITECTURAL & ENGINEERING SERVICES FOR THE CONSTRUCTION OF A PRE-ENGINEERED METAL AND BRICK ADMINISTRATIVE AND MAINTENANCE FACILITY PER THE ATTACHED.</p> <p>ALL TECHNICAL QUESTIONS MUST BE SUBMITTED IN WRITING TO FRANK WHITTAKER IN THE WV PURCHASING DIVISION VIA EMAIL AT FRANK.M.WHITTAKER@WV.GOV OR VIA FAX AT 304-558-4115. DEADLINE FOR ALL TECHNICAL QUESTIONS IS 11/30/2010 AT 4:00 PM. ALL TECHNICAL QUESTIONS WILL BE ADDRESSED BY ADDENDUM AFTER THE DEADLINE.</p> <p>EXHIBIT 10</p> <p>REQUISITION NO.:</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S:</p> <p>NO. 1</p>						

RECEIVED
 2010 DEC 15 A 11:00
 PURCHASING DIVISION
 STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE <i>Frank Whittaker</i>	TELEPHONE 304-296-8216	DATE December 13, 2010
TITLE President and COO	FAX 55-0516286	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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ADDRESS CORRESPONDENCE TO ATTENTION OF
**FRANK WHITTAKER
 304-558-2316**

RFQ COPY

TYPE NAME/ADDRESS HERE

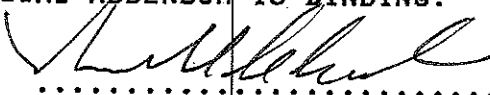
Alpha Associates, Incorporated
 209 Prairie Avenue
 Morgantown, WV 26501

DIVISION OF PUBLIC TRANSIT


BUILDING 5, ROOM 906
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0432 304-558-0428

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
10/25/2010				

BID OPENING DATE: **12/16/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
	NO. 2					
	NO. 3					
	NO. 4					
	NO. 5					
<p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>VENDOR MUST CLEARLY 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.</p> <p style="text-align: center;">  SIGNATURE Alpha Associates, Incorporated COMPANY December 13, 2010 DATE </p> <p>NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.</p> <p>REV. 09/21/2009 BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE  TELEPHONE 304-296-8216 DATE December 13, 2010

TITLE President and COO FEIN 55-0516286 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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ADDRESS CORRESPONDENCE TO ATTENTION OF:
FRANK WHITTAKER 304-558-2316

RODNEY

RFQ COPY
 TYPE NAME/ADDRESS HERE

Alpha Associates, Incorporated
 209 Prairie Avenue
 Morgantown, WV 26501

SHIP TO

DIVISION OF PUBLIC TRANSIT
 BUILDING 5, ROOM 906
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0432 304-558-0428

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
10/25/2010				

BID OPENING DATE: 12/16/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>WITHOUT FURTHER ORDER.</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: 44</p> <p>RFQ. NO.: PTR11023</p> <p>BID OPENING DATE: 12/16/2010</p> <p>BID OPENING TIME: 1:30 PM</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: 304-296-8216</p> <p>-----</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS.

SIGNATURE	TELEPHONE	DATE
	304-296-8216	December 13, 2010
TITLE	FAX	ADDRESS CHANGES TO BE NOTED ABOVE
President and COO	55-0516286	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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4

ADDRESS CORRESPONDENCE TO ATTENTION OF
**FRANK WHITTAKER
 304-558-2316**

**RFQ COPY
 TYPE NAME/ADDRESS HERE**

Alpha Associates, Incorporated
 209 Prairie Avenue
 Morgantown, WV 26501

DIVISION OF PUBLIC TRANSIT

**BUILDING 5, ROOM 906
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0432 304-558-0428**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
10/25/2010				

BID OPENING DATE: **12/16/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
CONTACT PERSON (PLEASE PRINT CLEARLY):						
Richard A. Colebank, PE, PS						
***** THIS IS THE END OF RFQ PTR11023 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>[Signature]</i>	TELEPHONE 304-296-8216	DATE December 13, 2010
TITLE President and COO	FEIN 55-0516286	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

Buyer: FW-44 Page: _____ PO# PTR11023
 Spending Unit: Division of Public Transit
 Department of Transportation

BID FORM # 1: Letter of Intent

Name of Bidder/Offeror's Firm: Alpha Associates, Incorporated

Address: 209 Prairie Avenue

City: Morgantown State: WV Zip Code: 26500

Name of DBE firm: Fox Engineering, PLLC

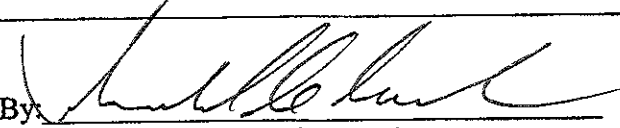
Address: 101 North Court Street

City: Ripley State: WV Zip Code: 25271

Telephone: 304-372-3705

Description of work to be performed by the DBE firm:

Fox Engineering will be providing surveying and geotechnical engineering services on this contract.

By:  President and COO
 (Signature) (Title)

If the Bidder/Offeror does not receive award of the prime contract, any and all representations in this Letter of Intent and Affirmation shall be null and void.

(Submit this page for each DBE subcontractor.)

Buyer: FW-44 Page: _____ PO# PTR11023
Spending Unit: Division of Public Transit
Department of Transportation

BID FORM #2: DISADVANTAGED BUSINESS ENTERPRISE (DBE) UTILIZATION

The undersigned Bidder/Offeror has satisfied the requirements of the bid specification in the following manner (please check the appropriate space):

The Bidder/Offeror is committed to a minimum of 5.1% DBE utilization on this contract.

The Bidder/Offeror (if unable to meet the DBE goal of 5.1%) is committed to a minimum of 5.1% DBE utilization of this contract and submits documentation demonstrating good faith efforts.

Name of Bidder/Offeror's firm: Alpha Associates, Incorporated

By: 

(Signature)

President and COO

(Title)

BID FORM #4

**CERTIFICATION OF PRIMARY PARTICIPANT REGARDING
DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS**

The Primary Participant (applicant for an FTA grant or cooperative agreement, or potential contractor for a major third party contract),

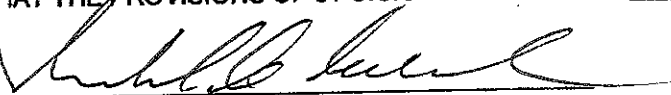
Alpha Associates, Incorporated (COMPANY NAME) certifies to the best of its knowledge and belief, that it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
2. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (2) of this certification; and
4. Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

(If the primary participant (applicant for an FTA grant, or cooperative agreement, or potential third party contractor) is unable to certify to any of the statements in this certification, the participant shall attach an explanation to this certification.)

THE PRIMARY PARTICIPANT (APPLICANT FOR AN FTA GRANT OR COOPERATIVE AGREEMENT, OR POTENTIAL CONTRACTOR FOR A MAJOR THIRD PARTY CONTRACT),

Alpha Associates, Incorporated, CERTIFIES OR AFFIRMS THE TRUTHFULNESS AND ACCURACY OF THE CONTENTS OF THE STATEMENTS SUBMITTED ON OR WITH THIS CERTIFICATION AND UNDERSTANDS THAT THE PROVISIONS OF 31 U.S.C. SECTIONS 3801 ET SEQ. ARE APPLICABLE THERETO.



Signature and Title of Authorized Official

BID FORM #5

CERTIFICATION OF RESTRICTIONS ON LOBBYING

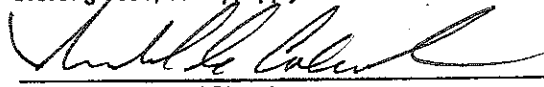
The undersigned (Vendor, Contractor) certifies, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions. [as amended by "Government Wide Guidance for New Restrictions on Lobbying," 61 Fed. Reg. 1413 (1/19/96). Note: Language in paragraph (2) herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (P.L. 104-65, to be codified at 2 U.S.C. 1601, et seq.)]
3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure. [Note: Pursuant to 31 U.S.C. § 1352(c)(1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such expenditure or failure.]

The Vendor, Alpha Associates, Incorporated, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Vendor understands and agrees that the provisions of 31 U.S.C. § 3801, et seq., apply to this certification and disclosure, if any.

12-13-10
Date


Authorized Signature

President and COO

Title

BF#6

RFQ No. PTR11023

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: 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 the debt owed is an amount greater than one thousand dollars in the aggregate.

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.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "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.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this 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.

Under penalty of law for false swearing (*West Virginia Code §61-5-3*), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: Alpha Associates, Incorporated

Authorized Signature: [Signature] Date: 12-13-10

State of West Virginia

County of Monongalia, to-wit:

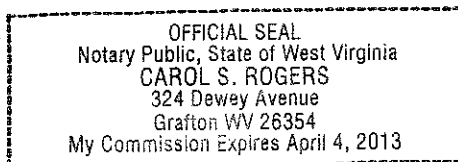
Taken, subscribed, and sworn to before me this 14 day of December, 2010.

My Commission expires 04/04, 2013

AFFIX SEAL HERE

NOTARY PUBLIC

[Signature: Carol S. Rogers]





ARCHITECTS • ENGINEERS • SURVEYORS

December 16, 2010

Purchasing Division
2019 Washington Street, East
P.O. Box 50130
Charleston, WV 25305-0130

Attn: Mr. Frank Whittaker

**Re: Expression of Interest – Architectural and Engineering Services
RFQ # PTR11023**

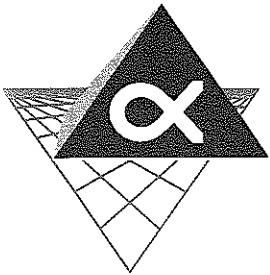
Dear Mr. Whittaker,

Alpha Associates, Incorporated is pleased to submit this Expression of Interest to provide architectural and engineering services for the construction of a pre-engineered metal and brick administrative office and maintenance facility in Philippi, WV. Alpha has recently completed renovation/addition projects for two other Transit Authorities that were similar to this project. We are familiar with your needs for this new facility and are certain that we are the right partner for you on this project.

In 2005, Alpha completed the Potomac Valley Transit Authority project. This project included architectural and engineering design services for renovations and additions to the Vehicle Maintenance Facility in Petersburg, West Virginia. In 2009, we completed the design of a renovation and addition project for the Eastern Panhandle Transit Authority in Martinsburg, West Virginia. Both projects have given us the experience and knowledge needed to complete your upcoming administrative and maintenance facility. We have a good understanding and of the needs and requirements for your transit facilities. Additional detailed project information for these projects and more is included in this Expression of Interest.

Alpha is a multi-discipline design firm that provides the following services: Architectural Design, Civil and Structural Engineering, Interior Design, Landscape Design, Surveying, and Construction Administration. Alpha's Corporate Office located in Morgantown, WV will provide all design services for this project. Alpha's staff of 35 professionals and support staff will make your project a priority.

To supplement Alpha's services and better serve you, we have added two consultants to our team:



Miller Engineering, Inc. based in Morgantown, WV will provide Mechanical, Electrical, and Plumbing services as part of the Alpha team. MEI has worked on many successful Alpha projects over the past 6 years including the Vehicle Maintenance Facility in Petersburg and Martinsburg. Over this period we have developed a great working relationship.

Fox Engineering located in Ripley, WV will provide surveying and geotechnical engineering services as part of the Alpha team. Fox Engineering is a certified WV DBE Firm. Fox Engineering will be a benefit to our team because of their extensive experience, and their work will help us to meet the established 5.1% DBE goal.

Alpha currently has in place and has maintained a cost accounting system that is capable of segregating and identifying accumulating costs for each job that is performed under cost type projects. We have our overhead audited as required by the West Virginia Division of Highways on a biannual basis.

Alpha's team has the knowledge, experience, and capacity to complete all aspects of your new administrative office and maintenance facility. Our team will work closely with the Division of Public Transit to complete your project with quality and efficiency. We look forward to hearing from you soon.

Sincerely,

ALPHA ASSOCIATES, INCORPORATED

Richard A. Colebank, PE, PS
President and COO
rcolebank@alphaaec.com

Firm Profile

ALPHA ASSOCIATES,
INCORPORATED
2010



Firm Profile

Alpha Associates, Incorporated

Firm Name: Alpha Associates, Incorporated

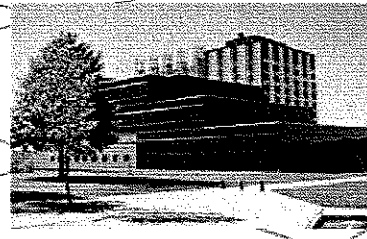
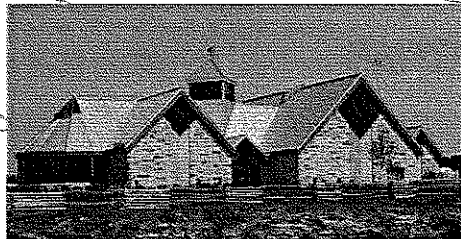
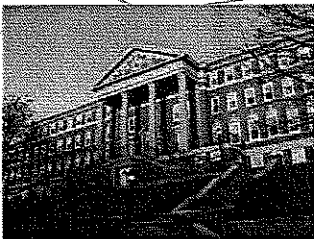
Corporate Office: 209 Prairie Avenue
Morgantown, West Virginia 26501

Eastern Regional Office: 535 West King Street
Martinsburg, West Virginia 25401

Incorporated: 1969; Morgantown, West Virginia

Firm Principals: Richard A. Colebank, PE, PS; President and COO
Richard W. Klein, PE, PS; Chairman and CEO
James A. Davison, AIA; Vice President
Charles B. Luttrell, PE; Principal
Steven V. Buchanan, PE, PS; Principal
~~Matthew S. Breakey, AIA; Principal~~
~~Charles B. Branch, PE; Principal~~

Number of Employees: 35 Employees



Alpha Associates, Incorporated was established in 1969 and since that time has completed hundreds of projects throughout Morgantown and the state of West Virginia. Alpha's Corporate Office is located in Morgantown with our Eastern Regional Office located in Martinsburg.



ARCHITECTS • ENGINEERS • SURVEYORS

Architectural Case Studies

Project Description

Town of Wardensville Municipal Building Wardensville, West Virginia

Alpha Associates, Incorporated is designing a new municipal building for the Town of Wardensville in the Eastern Panhandle of West Virginia. The new municipal building was designed to accommodate the anticipated population growth in the area.

Included in the design are City Council Chambers, Sheriff's Office with holding cells, Government Offices and Conference Room. A priority for this project is to separate the public areas from the Sheriff's Office. Alpha designed all architectural features, as well as the civil and structural engineering specifications.

At A Glance...

- 1 Client:
Town of Wardensville
- 2 Location:
Wardensville, WV
- 3 Completion Date:
To Be Determined
- 4 Size:
To Be Determined
- 5 Construction Cost:
Est. \$1.3 Million



Architectural Case Studies

Project Description

PVTA Vehicle Maintenance Facility Alterations and Additions Petersburg, WV

Alpha Associates, Incorporated provided architectural and engineering services for the Potomac Valley Transit Authority Vehicle Maintenance Facility in Petersburg, West Virginia.

The Scope of Work included a 1550 square foot addition and a 2400 square foot renovation of the existing facility.

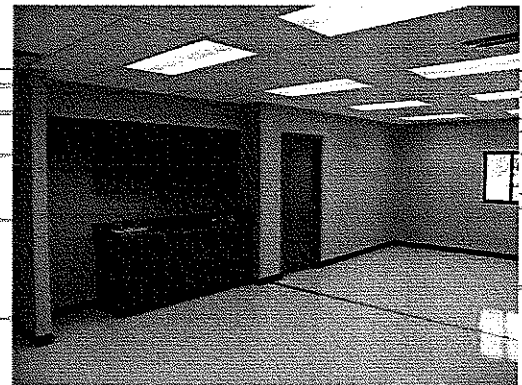
The work included:

- Selective demolition
- Three new offices
- New Workroom and storage room
- New toilets and training room
- Carpet Removal and Replacement
- Relocation of MEP Services and Security Fence



At A Glance...

- 1 Client:
WV Department of
Public Transit
- 2 Location:
Petersburg, WV
- 3 Completion Date:
2005
- 4 Size:
1550 Sq Ft. Addition
2400 Sq Ft. Renovation
- 5 Construction Cost:
\$456,725



Architectural Case Studies

Project Description

EPTA Vehicle Maintenance Facility Alterations and Additions Martinsburg, WV

Alpha Associates, Incorporated is provided architectural and engineering services for the Eastern Panhandle Transit Authority Vehicle Maintenance Facility in Martinsburg, West Virginia.

The Scope of Work included a 1550 square foot addition and a 2400 square foot renovation of the existing facility. Due to funding, the time constraints on this project were very tight.

The work included:

- Selective demolition
- Three new offices
- New Workroom and storage room
- New toilets and training room
- Carpet Removal and Replacement

At A Glance...

1

Client:
WV Department of
Public Transit

2

Location:
Martinsburg, WV

3

Completion Date:
2010

4

Size:
1550 Sq Ft. Addition
2400 Sq Ft. Renovation

5

Construction Cost:
Private Client



Airport Case Studies

Project Description

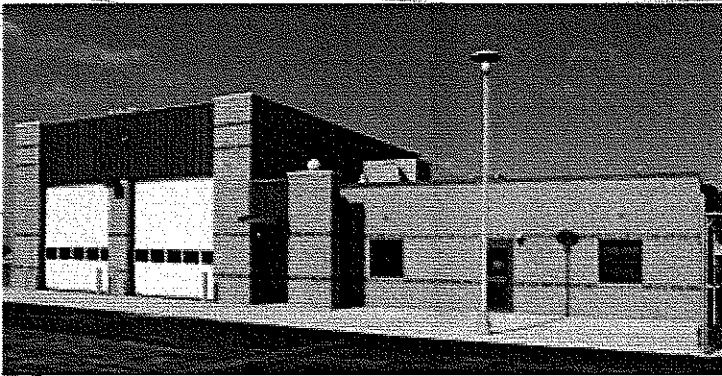
Morgantown Municipal Airport Air Rescue and Fire Fighting Building Morgantown, WV

Alpha Associates, Incorporated completed design of the new building at the Morgantown Municipal Airport. The building serves as an Air Rescue and Fire Fighting Building, housing two fire trucks and equipment. Additional space for Airport Management offices and a training center are also included.

Construction of this \$1,020,000 building was completed in 2003.

At A Glance...

- 1 Client:
City of Morgantown
- 2 Location:
Morgantown, WV
- 3 Completion Date:
2003
- 4 Size:
7000 SF
- 5 Construction Cost:
\$1,020,000



Airport Case Studies

Project Description

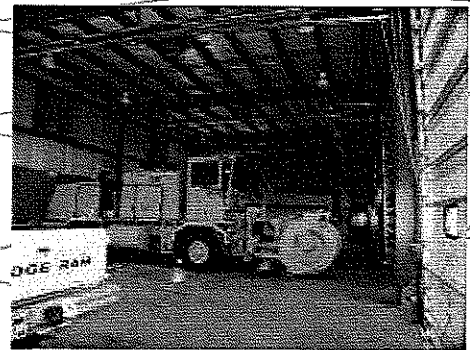
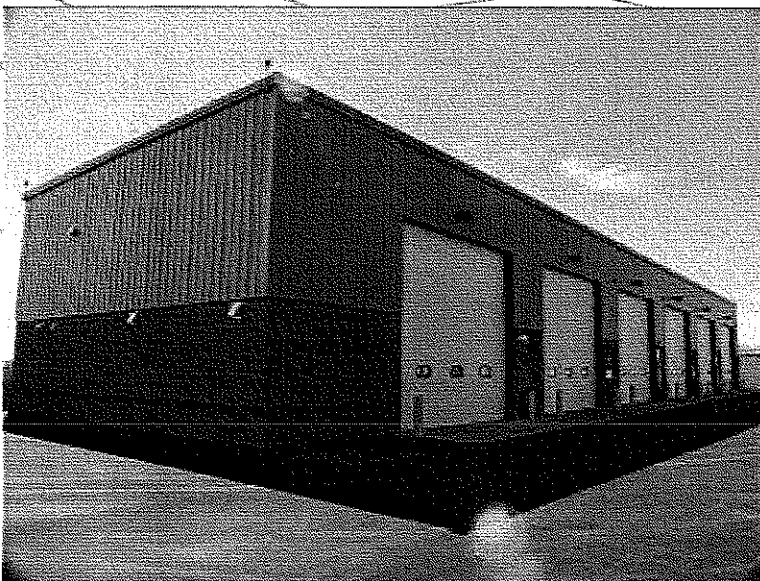
Morgantown Municipal Airport Maintenance Building Morgantown, WV

Alpha Associates, Incorporated designed and provided construction administration for the Hart Field Maintenance Building. The building provides garage and storage for the airport's snow-blowing and lawn-cutting machines. This project features six high-bay areas with one maintenance/repair pit. The balance of the area consists of auxiliary spaces such as dry and liquid storage, overhead crane hoist with access to a storage mezzanine. The building was constructed using split face block and metal panels over a pre-engineered steel rigid frame metal building.

At A Glance...

- 1 Client:
City of Morgantown
- 2 Location:
Morgantown, WV
- 3 Completion Date:
2005
- 4 Size:
8000 SF
- 5 Construction Cost:
\$850,000

ZDS Design provided Mechanical and Electrical Engineering Design for this project.



Architectural Case Studies

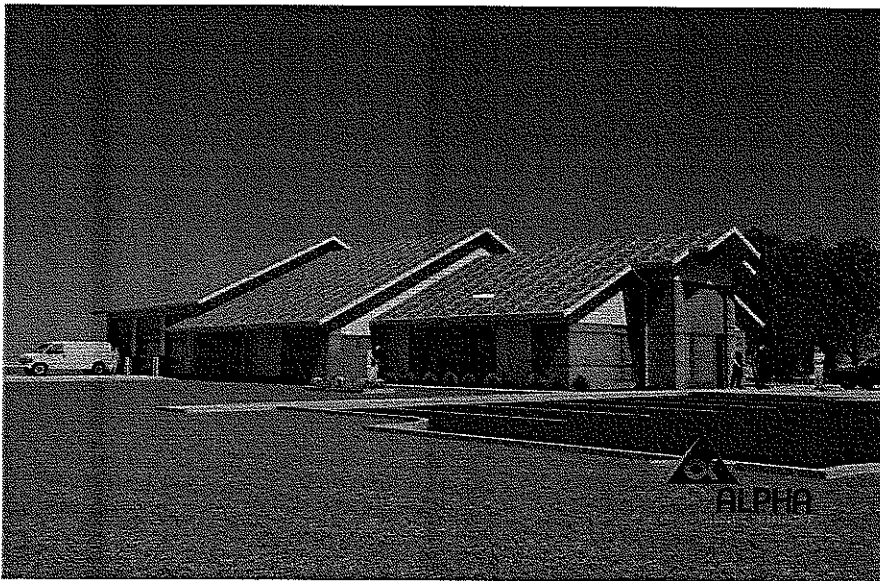
Project Description

Jefferson County Operations Center Martinsburg, West Virginia

Alpha Associates, Incorporated provided design services for a new Operations Center for the Jefferson County Ambulance Authority that will hold vehicle bays, sleeping quarters, training room, and office spaces. The building will be designed to blend into the surrounding development and have a civic presence.

At A Glance...

- 1 Client:
Jefferson County
Ambulance Authority
- 2 Location:
Ranson, WV
- 3 Completion Date:
2010
- 4 Size:
6,750 SF
- 5 Construction Cost:
\$1.2 Million



Architectural Case Studies

Project Description

Town of White Hall Municipal Building White Hall, West Virginia

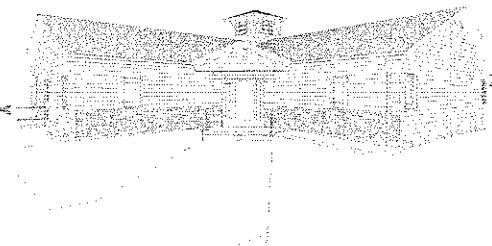
Alpha Associates, Incorporated designed a new municipal building for the Town of White Hall in Marion County. The new municipal building was designed for future expansion once funds become available.

Included in the design are City Council Chambers, City Clerks Office, Private Offices and Conference Room. Alpha designed all architectural features, as well as the civil and structural engineering specifications.

Miller Engineering performed all HVAC, Mechanical and Electrical Engineering Design.

At A Glance...

- 1 Client: Town of White Hall
- 2 Location: White Hall, WV
- 3 Completion Date: 2006
- 4 Size: 2600 SF
- 5 Construction Cost: Est. \$330,000



Wood Technology Center

NEW CONSTRUCTION/ ADDITION

2005

1

New Construction Case Studies

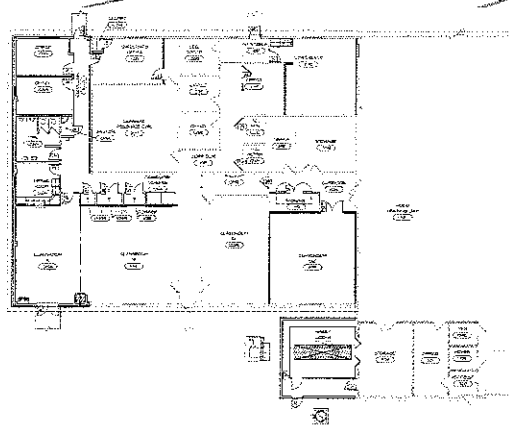
Project Description

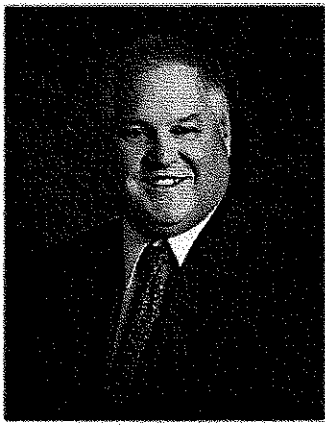
Wood Technology Center Elkins, WV

The West Virginia Wood Technology Center offers continuing education students training and technical support. Alpha Associates, Incorporated provided the design and construction administration of the addition and interior renovation. Attached to the pre-existing Randolph County Development Authority, the Wood Technology Center project includes a 2070-SF metal addition of classroom and office space as well as 5400-SF interior renovation of existing classroom and offices. A state-of-the-art spray booth is also included in the project to enable top-quality finishing of wood projects produced in the wood shop.

At A Glance...

- 1 Client:
RCDA
- 2 Location:
Elkins, WV
- 3 Completion Date:
2005
- 4 Size:
2070 SF new space
5400 SF interior
renovation
- 5 Construction Cost:
\$436,000
- 6 Project Relevance:
 - Architectural Design
 - Pre-engineered Metal Building Components
 - Construction Administration
 - Classroom Space





RICHARD A. COLEBANK, PE, PS
PRESIDENT AND COO
CIVIL ENGINEER
rcolebank@alphaaec.com

SUMMARY

Mr. Colebank is President and Chief Operating Officer of Alpha. Mr. Colebank has been with Alpha Associates, Incorporated since 1985. He began his career with Alpha as a staff engineer and progressed through the ranks from Project Manager to his current position. Mr. Colebank has worked with diverse clients such as West Virginia University, City of Morgantown, The West Virginia Division of Highways, WVU Foundation and the Morgantown Municipal Airport, as well as numerous private clients. Since 1988, Mr. Colebank has been the Principal-In-Charge of many of the Civil Engineering projects developed at Alpha. In his current capacity, Mr. Colebank provides financial and administrative guidance for the day-to-day operations of the company while continuing to manage Civil Engineering Projects.

PROFILE

Broad-based responsibilities in the following areas:

- Project Management
- Business Operations and Financial Management
- Quality Assurance/Quality Control
- Civil Engineering Project Management and Design
- New Business Development

PROFESSIONAL HIGHLIGHTS

Project Management:

- WVU Research Park; Morgantown, WV
- Federal Bureau of Prison Hazelton Medium Security Prison; Hazelton, WV
- West Virginia Medal of Honor Recipients Plaza; Hazelton, WV
- West Virginia Division of Highways I-77 Welcome Center; Williamstown, WV
- Ices Ferry Bridge; Morgantown, WV
- Monongalia General Hospital Expansion; Morgantown, WV
- Monongalia General Hospital Access Road; Morgantown, WV
- Airport Access Road; Morgantown, WV

Indefinite Delivery/Indefinite Quantity Contracts:

- Morgantown Municipal Airport Open End Contract; Morgantown, WV
- West Virginia Division of Highways Open End Contract; State of WV
- National Energy Technology Laboratories; Morgantown, WV
- West Virginia University Open End Contract; State of WV



RICHARD A. COLEBANK, PE, PS
PRESIDENT AND COO
CIVIL ENGINEER
rcolebank@alphaaec.com

EMPLOYMENT HISTORY

PRIVATE INDUSTRY: 1985 – Present Alpha Associates, Incorporated
1983 – 1985 Charles Townes and Associates, P.C.

CORPS OF ENGINEERS: 1983 US Army Corps of Engineers

EDUCATION

GRADUATE: West Virginia University
Masters – Business Administration; 1999

UNDERGRADUATE: West Virginia University
BS – Civil Engineering; 1982

QUALIFICATIONS

LICENSE: Professional Engineer:
West Virginia, Pennsylvania, Maryland, Virginia,
Professional Surveyor:
West Virginia
Certified Private Pilot

AFFILIATIONS

PROFESSIONAL: Former NSPE/PEPP Governor of WV
ACEC/WV; Former President and Current National Director

CIVIC: University High School Foundation; Charter Member; Current
President
Morgantown Area Chamber of Commerce; Past Chairman
Monongalia County MPO Technical Advisory Committee;
Member
Morgantown Area Economic Partnership; Member
University High School Athletic Field Committee





JAMES A. DAVISON, AIA
VICE PRESIDENT
ARCHITECT
jdavison@alphaaec.com

SUMMARY

Mr. Davison is the Vice President of Alpha Associates, Inc. Mr. Davison joined the firm in November of 1977. He became a principal of the firm and Vice President in 1980. He has designed numerous structures, including research facilities, post offices, religious facilities, commercial and office buildings, and educational and medical facilities. The West Virginia Society of Architects has recognized Mr. Davison for his excellence in architecture with design awards for the Engineering Research Building at West Virginia University in Morgantown, WV, Wheeling College Chapel in Wheeling, WV, Morgantown High School Addition in Morgantown, WV and the KCAD Professional Office Building located in Martinsburg, WV.

PROFILE

Broad-based responsibilities in the following areas:

- Educational Architecture
- Medical Architecture
- Religious Architecture
- Quality Control
- Client Development
- New-Business Development

PROFESSIONAL HIGHLIGHTS

Higher Educational Facilities:

- Agricultural Sciences Building Addition, West Virginia University; Morgantown, WV
- Engineering Science Building, East Wing Addition; Morgantown, WV
- Engineering Research Building; Morgantown, WV
- National Research Center for Coal and Energy, West Virginia University; Morgantown, WV
- Student Leader Housing, West Virginia University; Morgantown, WV
- Galli Laboratory, West Virginia University; Morgantown, WV
- Prichard Hall Renovation, Fairmont State University; Fairmont, WV

K-12 Educational Facilities:

- Washington High School, Charles Town, WV
- Westside High School; Clearfork, WV
- Wyoming East High School; New Richmond, WV
- Lewis County High School; Weston, WV
- Morgantown High School Addition/Renovation; Morgantown, WV
- Ridgedale Elementary School Addition; Morgantown, WV



JAMES A. DAVISON, AIA
VICE PRESIDENT
ARCHITECT
jdavison@alphaaec.com

EMPLOYMENT HISTORY

PRIVATE INDUSTRY: 1977 – Current Alpha Associates, Incorporated
1976 – 1977 Carl G. Baker, Architects
1974 – 1976 Architectural Firm of Laurie and Green
1966 – 1974 Michael S. Molnar Associates

EDUCATION

UNDERGRADUATE: Pennsylvania State University
Bachelor of Architecture; 1973

QUALIFICATIONS

LICENSE: Registered Architect:
West Virginia, Pennsylvania, Maryland, Virginia, Ohio
NCARB Certified

AFFILIATIONS

PROFESSIONAL: American Institute of Architects
West Virginia Society of Architects
Council of Educational Facility Planners International
American Arbitration Association
Interfaith Forum on Religion, Art and Architecture

CIVIC: Main Street Morgantown

AWARDS

DESIGN AWARDS: West Virginia Society of Architects Design Awards:
KCAD Professional Office Building
Morgantown High School
Engineering Research Building
Wheeling College Chapel





**MATTHEW S. BREAKEY, AIA,
LEED-AP**
PRINCIPAL
ARCHITECT
mbreakey@alphaaec.com

SUMMARY

Mr. Breakey began working at Alpha in 1998, and became a principal of the firm in 2004. Mr. Breakey has gained experience through working as a Project Manager on major capital construction projects throughout West Virginia. Mr. Breakey became a LEED Accredited Professional in 2009.

PROFILE

Broad-based responsibilities in the following areas:

- Architectural Design
- Construction Administration
- Contract Negotiations
- New Business Development

PROFESSIONAL HIGHLIGHTS

Higher Education Projects:

- Potomac State College, ADA Connector Link; Keyser, WV
- Potomac State College Library Facade Renovation; Keyser, WV
- ~~WVU Engineering Sciences Building East Wing Renovation/Addition; Morgantown, WV~~
- ~~WVU Engineering Sciences Building 10th Floor Renovation; Morgantown, WV~~
- ~~WVU Engineering Science Building Nano/Microtechnology Lab; Morgantown, WV~~
- ~~WVU Alfred E. Galli Laboratory Renovations; Morgantown, WV~~
- ~~Robert C. Byrd Health Sciences Center SRP Lab Renovation; Morgantown, WV~~

K-12 Education Projects:

- Washington High School; Charles Town, WV
- University High/Middle School Renovation; Morgantown, WV
- Pocahontas County High School Science Wing Renovation/Addition; Marlinton, WV
- Buckhannon Upshur Middle School Roof Replacement; Buckhannon, WV
- Buckhannon Upshur Middle School HVAC Upgrades; Buckhannon, WV
- Slanesville Elementary School Addition; Hampshire County, WV
- Petersburg High School Science Lab Renovation; Petersburg, WV

Miscellaneous:

- Fairmont Federal Credit Union, Charles Pointe Branch; Bridgeport, WV
- Clear Mountain Bank, Reedsville Branch; Reedsville, WV
- BC Bank Renovation/Addition, Philippi Branch; Philippi, WV
- Clear Mountain Bank, Oakland Branch; Oakland, MD
- Clear Mountain Bank; Sabraton, WV



**MATTHEW S. BREAKEY, AIA,
LEED-AP**
PRINCIPAL
ARCHITECT
mbreakey@alphaaec.com

EMPLOYMENT HISTORY

PRIVATE INDUSTRY: 1998 – Current Alpha Associates, Incorporated
1994 – 1998 West Virginia University Physical Plant
Engineering and Construction
1992 – 1994 West Virginia University Facilities Planning
Management

EDUCATION

UNDERGRADUATE: Pennsylvania State University
Bachelor of Architecture; 1992
Bachelor of Science in Architecture; 1991

QUALIFICATIONS

LICENSE: Registered Architect: West Virginia; Maryland
NCARB Certified
Leadership in Energy and Environmental Design Accredited
Professional

AFFILIATIONS

PROFESSIONAL: American Institute of Architects
West Virginia Society of Architects
The Council of Educational Facility Planner International
U.S. Green Building Council

CIVIC: Main Street Morgantown Board of Directors; Past President
Main Street Morgantown Design Committee; Member
Chestnut Ridge Park Board; Past President





THOMAS PRITTS, AIA, LEED-AP
ARCHITECT
tpritts@alphaaec.com

SUMMARY

Mr. Pritts joined the Alpha Associates staff in the Morgantown office in 2004. In 2008 he received his LEED Accredited Professional Certification from the USGBC and Construction Document Technologist designation from the Construction Specification Institute. Mr. Pritts has become a valuable asset to Alpha Associates with broad experience in K-12 and higher educational design, commercial design and programmatic development.

PROFILE

Broad-based responsibilities in the following areas:

- Educational Design
- Programmatic Development
- Civic Design
- Commercial Design
- Green Building Design

PROFESSIONAL HIGHLIGHTS

Architectural Design:

- Potomac State College, ADA Connector Link; Keyser, WV
- Potomac State College, Library Façade Replacement; Keyser, WV
- Potomac State College, McKee Arts Center Plaza; Keyser, WV
- Fairmont Federal Credit Union, Charles Pointe; Bridgeport, WV
- Washington High School; Charles Town, WV
- WVU Engineering Sciences, East Wing Addition; Morgantown, WV
- Ridgeley Community Center; Ridgeley, WV
- Jefferson County Emergency Services Agency; Ranson, WV
- WVU Engineering Sciences Building, Basement Renovations; Morgantown, WV
- WV Army National Guard, Parkersburg Office Renovation; Parkersburg, WV
- Clear Mountain Bank; Reedsville, WV
- Berkeley County Emergency Ambulance Authority; Martinsburg, WV
- Eastern Panhandle Transit Authority Renovation and Addition; Martinsburg, WV
- Eastern Management Development Center; Shepherdstown, WV
- Yellow Brick Bank; Shepherdstown, WV
- The Clarion Hotel; Shepherdstown, WV



EMPLOYMENT HISTORY

PRIVATE INDUSTRY: 2004 - Current Alpha Associates, Incorporated
2003 - 2004 Marshall Craft Associates, Baltimore, MD

EDUCATION

UNDERGRADUATE: Virginia Tech
Bachelor of Architecture; 2004

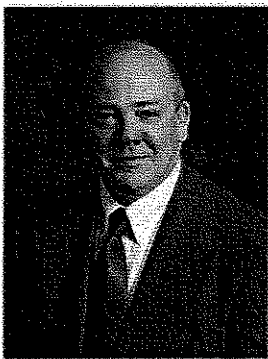
QUALIFICATIONS

LICENSE/CERTIFICATIONS: Registered Architect:
West Virginia, Maryland
National Council of Architectural Registration Boards
Certificate
Leadership in Energy and Environmental Design
Accredited Professional
~~Construction Specification Institute - Construction
Document Technologist
Certified Construction Specifier~~

AFFILIATIONS

PROFESSIONAL: AIA Member
USGBC - US Green Building Council
AUGI - Autodesk User Group International
Construction Specification Institute





CHARLES B. LUTTRELL, PE
PRINCIPAL
PROFESSIONAL ENGINEER
STRUCTURES
cluttrell@alphaaec.com

SUMMARY

Mr. Luttrell has worked with Alpha Associates, Inc. since 1996. He is the chief structural engineer on all projects at Alpha. Before coming to Alpha, Mr. Luttrell's graduate work resulted in several contributions to the cold-formed steel deck industry. His new method of analysis for non-uniform loads on composite concrete and cold-formed steel decks has been made a permanent part of the *Steel Deck Institute's* design manual. Mr. Luttrell also worked on projects that involved pre-stressed timber bridge research with the West Virginia University Constructed Facilities Center. Since coming to Alpha, Mr. Luttrell has had a significant involvement in the effort to begin utilizing modern composite materials in practical bridge applications. Two recent Alpha bridge projects have been designed using these innovative materials.

PROFILE

Broad-based responsibilities in the following areas:

- Bridge Structural Design and Analysis
- Innovative Bridge Materials Applications
- Building Structural Design and Analysis
- Historical Restoration and Evaluations

PROFESSIONAL HIGHLIGHTS

STRUCTURAL ENGINEER:

- WVU Engineering Sciences Building East Wing Addition; Structural Design; Morgantown, WV
- WVU Alumni Center Structural Framing and Foundation Design; Morgantown, WV
- Hazel Ruby McQuain Amphitheater Roof; Morgantown, WV
- West Buckeye Bridge; Core, WV
- Washington High School; Charles Town, WV
- WVU Coliseum Asbestos Abatement Project (Scaffolding Design and Dome Structural Inspection); Morgantown, WV
- Morgantown Airport Air Rescue and Firefighting Building; Morgantown, WV
- WVU Coliseum Scoreboard Hoist Project; Morgantown, WV



CHARLES B. LUTTRELL, PE
PRINCIPAL
PROFESSIONAL ENGINEER
STRUCTURES
cluttrell@alphaaec.com

EMPLOYMENT HISTORY

PRIVATE INDUSTRY: 1996 – Current Alpha Associates, Incorporated
1995 – 1996 Larry D. Luttrell, PE, Ph D
1991 – 1994 West Virginia University
1990 – 1991 WVU Constructed Facilities Center

EDUCATION

GRADUATE: West Virginia University
MS – Structural Engineering; 1995

UNDERGRADUATE: West Virginia University
BS – Civil Engineering; 1993

QUALIFICATIONS

LICENSE: Professional Engineer:
West Virginia, Maryland, Pennsylvania

AFFILIATIONS

PROFESSIONAL: West Virginia Society of Professional Engineers
National Society of Professional Engineers
Chi Epsilon; Member
American Concrete Institute; Member

RESEARCH EXPERIENCE

STRUCTURAL: Cold Formed Steel Deck Research

- Fastener failures
- Edge conditions/failures
- Buttoned overlap shear failures

Composite Cold Formed Steel and Concrete Deck Research

- Line load behavior/failures
- Concentrated load behavior/failures
- Web crippling
- Punch failures





CHARLES B. BRANCH, PE
PRINCIPAL
CIVIL ENGINEER
cbranch@alphaaec.com

SUMMARY

As Chief Engineer for site development and planning projects, Mr. Branch is a vital part of the design process at Alpha. His involvement spans from strictly civil engineering projects, to the design of large scale educational projects and medical facilities. Mr. Branch acts as peer review for young engineers in the firm on issues ranging from storm water management to site design. Mr. Branch is also involved in commercial and residential development design, roadway and bridge design and utilities layout.

PROFILE

Broad-based responsibilities in the following areas:

- Highway Design
- Municipal Engineering
- Wastewater Collection
- Storm Sewer/Storm Water Management Design
- Site Engineering
- Project Management

PROFESSIONAL HIGHLIGHTS

Educational Projects:

- WVU Parking Lot 8T Renovations; Morgantown, WV
- WVU Doll's Run Burn Room; Morgantown, WV
- WVU Alumni Center Parking Lot; Morgantown, WV
- WVU Evansdale Redevelopment; Morgantown, WV
- WVU Health Sciences Center Eastern Division; Martinsburg, WV

Highway Design:

- Blackshere Bridge; Mannington, WV
- I-68 Welcome Center; Hazelton, WV
- I-77 Information Center; Williamstown, WV
- Lewis County High School Bridge; Weston, WV
- Wyoming County Route 10 Relocation; Wyoming County, WV



Commercial Site Plans:

- West Virginia High Technology Consortium; Fairmont, WV
- Residence Inn; Morgantown, WV
- FFCU – Charles Pointe; Bridgeport, WV

EMPLOYMENT HISTORY

PRIVATE INDUSTRY: 1992 – Present Alpha Associates, Incorporated
 1988 – 1992 Reimer, Muegge, & Associates, Inc.

EDUCATION

UNDERGRADUATE: Fairmont State College
 BS – Architectural Engineering Technology 1988
 West Virginia University
 BS – Civil Engineering 2000

QUALIFICATIONS

LICENSE: Professional Engineer
 West Virginia

AFFILIATIONS

CIVIC: Marion County Youth Soccer Association - Coach





BRADLEY D. MILLER, PS
PARTY SURVEY CHIEF
bmill@alphaaec.com

SUMMARY

Mr. Miller has gained experience in all phases of surveying with numerous civil engineering and site development projects throughout West Virginia and Pennsylvania. These project surveys include highway construction, power plant construction, geodetic survey control, boundary, topographic, subdivision layout, waterline construction, sanitary sewer line construction and storm drainage structure layout.

PROFILE

Broad-based responsibilities in the following areas:

- Surveying Technology
- Surveying

PROFESSIONAL HIGHLIGHTS

SURVEYING:

- WVU Old College Park Apartments, Boundary Survey; Morgantown, WV
- ~~WVU Lot 81 Improvement, Topographic Survey; Morgantown, WV~~
- ~~WVU Rawley Avenue, Construction Easement Survey; Morgantown~~
- ~~WVU Engineering Sciences Building, Topographic Survey; Morgantown, WV~~
- ~~Chemtura Plant 3-D Pipe Survey; Morgantown, WV~~
- ~~Power Plant Construction Surveying; Ft. Martin, WV~~
- ~~Hart Field Airport – GPS Control Network, Boundary Survey and Various Construction Surveys in Monongalia County, WV.~~
- ~~Augusta Project for McCoy 6, Boundary Survey; Morgantown, WV~~
- ~~Greenbrier County Subdivision, Topographic and Boundary Survey; Lewisburg, WV~~
- ~~Pittsburgh International Airport, GPS Control Network and Boundary Survey; Pittsburgh, PA~~
- ~~PA Turnpike Commission – Findlay Connector, Stakeout References and Road Alignments; Washington County and Allegheny County, PA~~
- ~~Penn DOT – Rt. 22 Widening Reconstruction, Stakeout References and Road Alignments; Indiana County and Cambria County, PA~~



BRADLEY D. MILLER, PS
PARTY SURVEY CHIEF
bmiller@alphaaec.com

EMPLOYMENT HISTORY

PRIVATE INDUSTRY:	2006 – Current	Alpha Associates, Incorporated
	1999 – 2006	Monaloh Basin Engineers
	1998 – 1998	Nemacolin Woodlands Resort & Spa
	1996 – 1998	Mon-Valley Surveying

EDUCATION

UNDERGRADUATE: West Virginia University
BS – Business Management – Human Resources, 1994

Potomac State College of West Virginia University
AA – Business and Economics, 1992

QUALIFICATIONS

LICENSE: Professional Surveyor,
West Virginia

AFFILIATIONS

West Virginia Society of Professional Land Surveyors





MILLER ENGINEERING, INC.

SUMMARY

Miller Engineering, Inc. (MEI) provides professional services to facility owners and operators, architects, and contractors throughout West Virginia, Pennsylvania and Western Maryland. MEI services range through all facets of mechanical, electrical, and plumbing design as well as construction administration and project management. We utilize the abilities of designers with many years experience in their area of expertise, teamed with younger designers on a “best resource for the project approach”. We also provide project management services at levels ranging from general oversight to complete project delivery through all phases of design and construction. Our personnel have worked in both the private and public sector and are familiar with many methods of project delivery from classic design/bid/build to full design/build with partnering.

MEI has developed the following philosophy to guide the performance of its services:

- Provide superlative design services to our clients in new construction, renovations, and daily operations.
- Perform work in a timely, accurate, and professional manner.
- Present multiple alternative and solutions whenever possible.
- Work with our clients to control first and life cycle costs.
- Be a technical “sounding board” for our clients in all situations.
- Strive to maintain professional competency through continuing education and training.

MEI utilizes a “practical application” approach to all projects throughout the design process to provide a “well rounded” result. This methodology emphasizes the best overall solution, meeting all the client’s needs, instead of just the best technical solution. We believe our small size provides a distinct advantage to our clients and affords us the freedom to easily team with the clients to achieve the overall best possible result.

MEP TECHNICAL HIGHLIGHTS:

Total Project Budget:
\$500K

MEP Budget:
\$135K

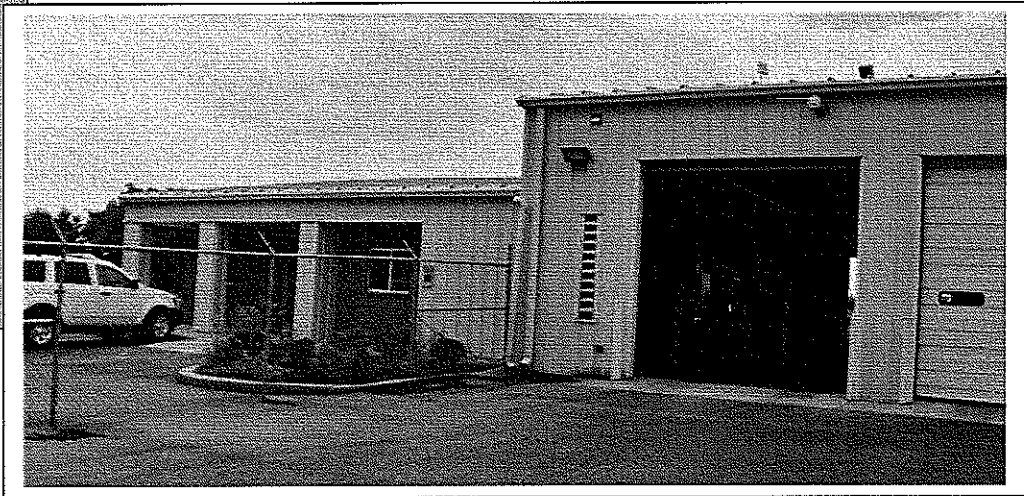
Facility Area:
1,200 ft² addition
2,000 ft² Renov

Services Provided:
Facility and Site,
Mechanical,
Electrical, Plumbing,
Fire Alarm, Tel/Data

Project Status:
Bidding

Project Completion Date:
Spring 2010

The addition and renovation incorporates several technical facets. The mechanical spaces and accesses are mostly fixed, so the system must be design to coordinate with the existing building. The Owner requested that the existing HVAC system be replaced with newer system incorporating more control, as occupant comfort has been an ongoing issue. By using single action variable air systems, the occupant comfort is increased at a reasonable cost. The system does not require a complex control system as more complex variable air system often does. The renovation includes converting part of the facility to a training area/ conference room. Utilities must be relocated and new electric and data/ phone wiring installed in the renovation sections.



PROJECT DESCRIPTION:

The PANTRAN facility is a combination office and bus service facility which has grown beyond its existing space functionality. A new addition will increase office space and permit the aggregation of some underutilized spaces into a conference and training room. Existing mechanical and operational issues are being addressed as part of this project

MEP TECHNICAL HIGHLIGHTS:

Total Project Budget:
\$13.5M

MEP Budget:
\$3.8M

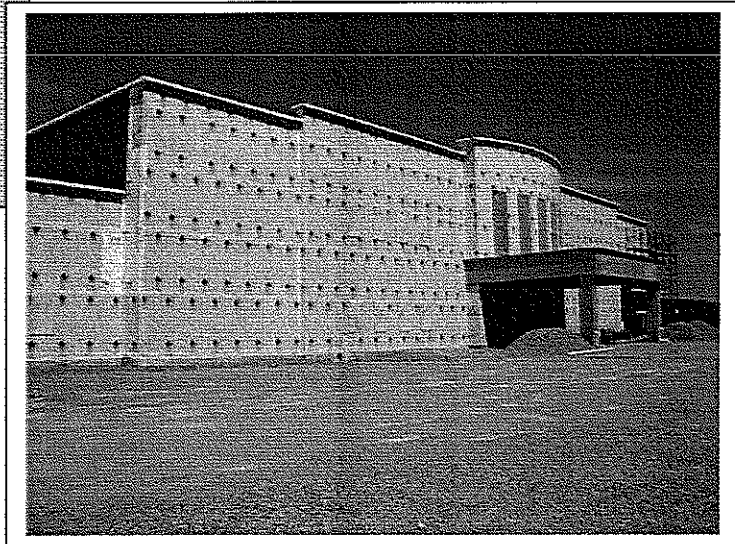
Facility Area:
67,000 ft²

Services Provided:
*Mechanical, Electrical,
Plumbing, Medical
Gases, Fire Protection,
Fire Alarm, Nurse Call*

Project Status:
In Construction

**Project Completion
Date:**
Fall/ Winter 2009

The HVAC systems serving the suites are redundant; utilizing laminar air distribution, high level filtration, and UV in the air handling units. For energy efficiency, the ORs have the ability to “step down” their airflow in unoccupied mode while meeting pressurization standards. Either a simple pushbutton or the control system schedule returns the OR to design flow conditions. At the Owner’s request, the HVAC systems were design as smaller de-centralized systems to reduce the impact of system repair and maintenance. A complete NFPA 70 compliant emergency power system, medgas system, nurse call system, and fire alarm system were part of the scope of professional services. The facility has received regulatory approval and is under construction at this time.



PROJECT DESCRIPTION:

The project is a 67,000 sq. ft. design-build orthopedic hospital with a 5 OR suite surgery center including: Pre-Op, PACU, Phase II, and 21 patient rooms. The facility includes all supporting service such as dietary, diagnostic imaging (X ray, MRI, etc), lab, pharmacy, offices, and associated central and public spaces. The surgery suites are sized such and are mechanically capable of any surgery procedure through Orthopedic and open heart surgery.

REFERENCE:

Richard Briggs, Lutz, Briggs Associates
Mercer, PA
724-758-5455

PROJECT: NEW SPORTS PERFORMANCE CENTER
OWNER: PRO PERFORMANCE, Morgantown, WV



MEP TECHNICAL HIGHLIGHTS:

Total Project Budget:	<i>\$3M</i>
MEP Budget:	<i>\$300K</i>
Facility Area:	<i>28,800 ft²</i>
Services Provided:	<i>Facility and Site Mechanical, Electrical, Plumbing, Specialized HVAC</i>
Project Status:	<i>Complete</i>
Project Completion Date:	<i>October 2006</i>

The project was a design-build teamed effort with the Owner, Contractor, and MEI. The HVAC systems include heating and cooling except for the soccer field which is heated using an air rotation unit. The facility houses an indoor water therapy area which had unique requirements for air systems and a 48 deg F cold immersion tub. A chiller was used to accommodate the cold tub and process the rejected heat from dehumidification. The electrical system incorporates the current needs along with future owner requirements by use of a de-centralized electric distribution system. The lighting control for the soccer field required a high level of control to adjust the artificial lighting to the daytime natural light available.



Rendering Courtesy of ALPHA

PROJECT DESCRIPTION:

The 28,800 ft² facility incorporates a medical office facility with a gymnasium, sports performance area, and an indoor regulation soccer field. It is reportedly the most state of the art facility in terms of equipment, facilities and staff within a six state region.

REFERENCE:

Ron Lytle, Lytle Construction
1132 Hampton Rd
Morgantown, West Virginia 26505
304-692-6380



B. CRAIG MILLER, PE, LEED-AP
PRESIDENT
ENGINEER IN RESPONSIBLE CHARGE

EDUCATION Bachelor of Science in Mechanical Engineering,
West Virginia University - 1995
Bachelor of Arts in Mass Communication,
University of Charleston (WV) - 1988

REGISTRATIONS Professional Engineer, West Virginia
Professional Engineer, Pennsylvania
Professional Engineer, Maryland

QUALIFICATIONS Craig has more than 10 years' experience in the design, specification, and construction/ project management of mechanical, electrical, and plumbing systems and 10 years experience in facilities operations, maintenance, and management. He specializes in retrofits and upgrades to existing systems and what he terms "operational engineering" or implementing changes to, while maintaining the operational requirements of, a facility or system. He has worked extensively in the educational/ institutional environment including spending several years as a systems mechanic performing various trades work prior to obtaining his engineering education. His trades work gives him a distinctive "hands on" approach to engineering application and design.

Prior to founding MEI, Craig worked as a staff engineer for Casto Technical Service (Trane) performing engineering evaluation and design on various mechanical system upgrades including: Marion County Courthouse, Davis & Elkins Student Union, Charleston Area Medical Center, Women's and Children's Hospital, and Wetzel County Hospital. Preceding his time with Casto Technical, Craig spent two years at Uniontown Hospital as Assistant Director of Engineering. He managed the day-to-day operations of maintenance personnel, managed projects and performed operational engineering service to the facility mechanical, electrical, and plumbing systems. His principal operational engineering foci were the hospitals' steam, chilled water, air handling infrastructure and their associated control systems. He managed real-time upgrade projects to the hospital facilities and the full



accreditation review of hospital systems operation and maintenance.

Craig worked as a staff engineer at West Virginia University Physical Plant for six years. During that time he managed multiple facility and infrastructure upgrade projects, performed engineering design, assisted maintenance personnel with operational issues, and managed the University's Energy Program. Additionally, he served as the Owner's design review engineer on approximately \$130 million in new capital construction. Craig's WVU projects included mechanical, electrical, plumbing, infrastructure, control, and energy systems repair and maintenance totaling approximately \$20 million.

Prior to his position at WVU, Craig worked in operations and facility maintenance for the Morgantown Board of Parks and Recreation while attending the WVU School of Engineering. He performed mechanical and electrical systems maintenance duties and associated engineering design work while helping to maintain and upgrade the park systems' facilities. Craig started his mechanical systems career as an apprentice and then as a maintenance systems mechanic in the Physical Plant at the University of Charleston.



Robert L Angus
Project Construction Representative
Miller Engineering, Inc.

EDUCATION

West Virginia University 1991-1996
Recreation & Parks Administration

Mon County Technical Education Center 1997-1998
Commercial/Residential HVAC Technology

CERTIFICATIONS

Licensed WV Contractor
Licensed Electrician
Licensed Master Plumber
Licensed HVAC Technician
Licensed Swimming Pool Operator

QUALIFICATIONS

Robert has more than 10 years experience in commercial facilities operation/management. Prior to working for MEI, Rob worked for the city of Morgantown, where he operated/maintained 2 commercial swimming pools, 2 waterslides, an Interactive Water Play Facility, and an Ice Rink.

Following Employment with the City of Morgantown, Rob founded Angus Contracting LLC in 2000. His company specialized in residential/commercial construction, HVAC, Electric, and Plumbing. Angus Contracting has completed projects including 10000 sq ft industrial buildings, Commercial Swimming Pool Repair/Retrofits, Commercial HVAC Retrofits involving multiple roof-top units, and all facets of residential construction.

During his employment with Miller Engineering Inc, Rob has performed construction administration on various projects involving all aspects of Mechanical Engineering/Construction totaling in excess of 15 million dollars.

DIVISION OF PUBLIC TRANSIT
Administrative Office and Maintenance Facility

OVERVIEW

FOX Engineering is a multi-disciplined consulting engineering firm offering innovative solutions to our clients. FOX Engineering is a certified Disadvantaged Business Enterprise (DBE) in Engineering Design services as well as Surveying and Mapping services.

FOX Engineering was founded with the goal of providing a local choice to the large firm atmosphere offered at most engineering firms. Growing up in Ravenswood, West Virginia and now residing in Silvertown, Jennifer Fox, P.E., owner of FOX Engineering, wanted to stay close to her Jackson County home. With this in mind Jennifer established FOX Engineering out of her home in 2001. With years of hard work and dedication, FOX Engineering has grown and is currently located in historic downtown Ripley, West Virginia. The rapid growth of FOX Engineering has proven that this was a niche waiting to be filled. With the acquisition of John C. Giese Engineers, Inc. in 2008, FOX now has an office located in Fairmont, West Virginia. This well established office possessing nearly 60 years of experience has greatly contributed to the development of FOX Engineering.

Jennifer has positioned the company with the ability to provide the services available at larger firms without compromising on the values that were the basis of establishing FOX Engineering. As a **full service firm**, FOX Engineering provides surveying, civil engineering, construction inspection, contractor services and structural inspections to our clients including government agencies, municipalities, consultants, contractors as well as private clients. By providing this wide range of services, FOX Engineering can work as the lead engineer performing most aspects of projects in house, from the initial planning and analysis to the design and construction while still providing larger firms the types of services they often seek in subconsultants.

When you couple the experience level available at FOX Engineering with the employees' strong work ethic and commitment to quality, it is easy to see how FOX Engineering would be a valuable addition to your next project. Add to that the benefit of the Disadvantaged Business Enterprise credit earned from working with FOX and you can see why the company has undergone such phenomenal growth. The DBE credits are only as valuable as the work that goes along with them, and FOX's recruitment of a top level staff with a range of expertise is one particular asset to working with FOX Engineering. Another benefit is the ease of working with a smaller firm. You will be working with people who have made a professional choice to work locally, support area businesses, and take personal investment in the quality of their work.

Jennifer W. Fox, P.E., Owner



DIVISION OF PUBLIC TRANSIT
Administrative Office and Maintenance Facility

ENGINEERING AND DESIGN

Services:

FOX Engineering's **structural design** experience encompasses numerous projects comprised of short, medium and long-span bridges; retaining walls; box culverts and various other structures.

Our structural design services include:

- Plate girders (tangent and curved)
- Steel box girders
- Precast box beams and prestressed I-beams
- Timber bridges
- Structural inspections and load ratings
- Structure and bridge rehabilitation
- Hydraulic and scour analysis
- Concrete box culverts
- Shop drawing review

FOX Engineering's **highway design** experience encompasses all phases of the highway development process. Our highway design services include:

- Design studies
- New limited access highways
- Complex interchange design/improvements
- Highway/roadway resurfacing, rehabilitation and reconstruction
- Intersection improvements
- Safety improvements
- Maintenance and protection of traffic
- Hydraulics and hydrology
- Right-of-way plans
- Stream mitigation
- Stormwater drainage

FOX Engineering has the resources and experience to provide **site development** services for large commercial/industrial developments as well as residential developments. Our site development services include:

- Site selection and evaluation
- Preliminary engineering studies
- Site grading and drainage
- Access road design
- Subdivision layout and design
- Parking Lot design
- Permitting
- Master Plan development
- Construction administration

DIVISION OF PUBLIC TRANSIT
Administrative Office and Maintenance Facility

FOX Engineering's **structural condition inspection** experience encompasses a wide array of disciplines ranging from private home inspection to state and federally funded large structure condition inspections. Currently three FOX employees have received inspection certification from the National Highway Institute's Safety of In-Service Bridges Course. Our experience includes the inspection of seven bridges crossing the Ohio River, four bridges crossing the Kanawha River, as well as over 50 additional bridges and structures throughout the state.

Representative structures include:

- Steel box girders
- Steel plate girders
- Steel tied arch
- Steel eyebars
- Steel pin and hanger assemblies
- Concrete arches
- Prestressed concrete box and I-beams
- Cable-stayed structures
- Timber structures
- Tunnels
- Concrete box culverts
- Structural plate pipes

We also provide inspection services to banks, mortgage institutions, and real estate agencies. Our services include:

- Foundation inspection
- HUD compliance inspection
- Foundation repair recommendations

FOX Engineering has the resources and experience to provide **contractors** with any necessary engineering design required during construction. In addition to the design services previously listed, our contractor services include:

- Temporary bridge and shoring design
- Deck overhang checks
- Causeway analysis and design
- Value engineering

DIVISION OF PUBLIC TRANSIT
Administrative Office and Maintenance Facility

Personnel:

Jennifer W. Fox, P.E. – Owner

A 1994 graduate of West Virginia University, Jennifer brings over a decade of experience involving structural design and inspection. She has been responsible for the complete design of both state and federally funded bridge projects which involve hydraulic studies, superstructure design, substructure design, and contract plan preparation. She is also experienced in structural inspection and rehabilitation, inspection equipment operation, and non-destructive testing. Jennifer is a Registered Professional Engineer in West Virginia, Indiana, South Carolina, Ohio, and Maryland.

Dan Metheny, P.E. – Design Division Manager/Design Engineer

A 1997 graduate of West Virginia Institute of Technology, Dan brings years of highway design and related experience to FOX Engineering. While working in the consulting industry, Dan has served as Project Manager and Design Engineer on various WVDOH projects. His experience includes four-lane divided highway and interchange geometric design; analysis and study of various interchange configurations; coordination of design efforts with surveying and geotechnical sub-consultants as well as a large in-house design team; quality assurance and quality control reviews and development and production of highway construction plans. Dan is a Registered Professional Engineer in West Virginia and Kentucky.

Keeling Fife, P.E. – Survey Division Manager/Design Engineer

Keeling serves a dual role with FOX Engineering, serving not only as the Survey Division Manager, but also as a Design Engineer. A 1998 graduate of West Virginia University, Keeling brings vast highway and drainage design experience to FOX Engineering. While working in the consulting industry, Keeling has been involved in the design of various roadway projects, including roadway design, drainage design, hydraulic and hydrologic analysis, and right of way. Keeling is involved in stream mitigation where he has completed four courses of the natural stream restoration program. He also brings experience in structural inspection as well as bridge inspection, rehabilitation, stress analysis, and load rating. Keeling is a Registered Professional Engineer in West Virginia, Kentucky, and Ohio.

Nikki Fint, P.E. – Design Engineer

A graduate of West Virginia Institute of Technology (1995) and West Virginia University (1998), Nikki brings years of bridge design and related experience to FOX Engineering. While working in the consultant industry, she served as Project Manager and Design Engineer on various projects. She has design experience with steel and concrete bridges as well as mechanically stabilized earth retaining walls. She has prepared contract plans, hydraulic studies, and preliminary roadway designs and performed bridge inspections. Nikki is a Registered Professional Engineer in West Virginia.



DIVISION OF PUBLIC TRANSIT
Administrative Office and Maintenance Facility

Grant Martin, P.E. – Design Engineer

A 1999 graduate of West Virginia Institute of Technology, Grant brings extensive bridge design experience to FOX Engineering. While working in the consultant industry, he has prepared design studies, contract plans, performed structural analyses, and developed load ratings for various WVDOH design projects. Grant has vast design experience in curved steel plate girders, ranging in length up to 2,200 feet, and concrete piers, ranging in height up to 110 feet. Grant is a Registered Professional Engineer in West Virginia, Kentucky, and Ohio.

William “Bill” Rota, P.E., P.S. – Design Engineer

A 1959 graduate of West Virginia University, Bill brings over 50 years experience to FOX Engineering. Bill has served as Senior Design Engineer and Project Manager on numerous WVDOH and private sector projects. His experience includes design of both four-lane divided highways and two-lane divided highways and interchanges including the geometry, drainage, and estimates in connection with these projects. Bill’s experience also includes the geometric design and detailing of numerous bridges. He has vast experience developing and producing highway and bridge construction plans. Bill has also prepared right of ways plans and done the field stake out for those projects. Bill is a Registered Professional Engineer and Registered Professional Surveyor in West Virginia.

DIVISION OF PUBLIC TRANSIT

Administrative Office and Maintenance Facility

SURVEY

Services:

FOX Engineering's survey staff features a collection of experienced personnel with a multi-disciplined background. This diversity affords us the opportunity to provide a variety of survey related services to our clients. Our surveying services include:

- Rural and residential boundary surveys
- ALTA/ACSM land title surveys
- Courthouse title resurveys
- Architectural and engineering site surveys
- Topographic surveys and aerial mapping
- GPS and conventional control surveys
- Gas well locations and pipeline mapping
- Utility locations and coordination
- Flood certifications / LOMA applications
- Construction layout and monitoring

Fox Engineering has positioned itself to provide the highest quality product while minimizing additional costs passed on to its clients by utilizing both conventional and robotic TOPCON total stations. Conventional crew setups include TOPCON 3005LW wireless total stations in cooperation with TDS Survey Pro, through a wireless Bluetooth connection eliminating potential downtime as a result of cable failure. Gas well location and pipeline crews are outfitted with Trimble Pro-XH sub-foot mapping grade GPS units to insure high quality positions and quick turnaround for the high speed oil and gas industry.

For survey grade GPS results, FOX utilizes Leica System 1200 GPS Smartrovers. The Smartrover is the lightest cable free RTK GPS system in the world. The versatile setup can be used as a typical base-rover setup, or as two standalone RTN-Net rovers depending on the job site. Both Smartrovers are equipped with Leica GNSS technology utilizing both GPS and the Russian Glonass Constellation to reduce downtime in areas where excessive cover blocks visible GPS satellites.

Partnering with Loyola Spatial Systems, FOX is proud to host the first RTK-Net reference station in the state of West Virginia. RTK-Net infrastructure provides increased production and accuracy for all types of surveying and mapping by providing long range capabilities for RTK GPS. Regardless of the application, production is increased by eliminating the need to setup a temporary base station and using a short range conventional radio. Productivity with GPS is more than doubled when compared to short range conventional RTK because the portable base station can be used as a productive rover.

DIVISION OF PUBLIC TRANSIT
Administrative Office and Maintenance Facility

Personnel:

Keeling Fife, P.E. – Survey Division Manager/Design Engineer

Keeling serves a dual role with FOX Engineering, serving not only as the Survey Division Manager, but also as a Design Engineer. A 1998 graduate of West Virginia University, Keeling brings vast highway and drainage design experience to FOX Engineering. While working in the consulting industry, Keeling has been involved in the design of various roadway projects, including roadway design, drainage design, hydraulic and hydrologic analysis, and right of way. Keeling is involved in stream mitigation where he has completed four courses of the natural stream restoration program. He also brings experience in structural inspection as well as bridge inspection, rehabilitation, stress analysis, and load rating. Keeling is a Registered Professional Engineer in West Virginia, Kentucky, and Ohio.

Jason Woods, P.S. – Professional Surveyor

A graduate of Glenville State's Land Surveying program, Jason brings over seven years of field experience to FOX Engineering. He has been involved in construction layout, topographic surveys, horizontal and vertical control surveys, and both rural and residential boundary surveying, and more recently with FOX he has worked on several WVDOH design surveys. His experience also includes optical alignment and leveling of aluminum rolling mills and overhead crane rails as well as several years of AutoCAD experience related to the surveying field. Jason is a Registered Professional Surveyor in West Virginia.

Steve Sayre, S.I.T. – Senior Crew Chief

A Registered S.I.T., Steve brings nearly three decades of survey experience to FOX Engineering. A lifelong resident of Jackson County, he has been employed with several small survey companies, but has spent the last several years working in the consulting industry with larger firms. Steve has been involved in WVDOH design surveys, construction layout, topographic surveys, and literally thousands of rural and residential boundary surveys. His experience also includes optical alignment and leveling of aluminum rolling mills and overhead crane rails as well as over a decade of AutoCAD experience related to the surveying field.

Jason Elliott – Crew Chief

A 2003 graduate of Glenville State's Land Surveying program, Jason brings valuable experience to FOX Engineering. His experience includes ALTA/ACSM land title surveys, topographic and location surveys, and rural and residential boundary surveying. Jason also has experience using AutoCAD related to the surveying field.

Colin Mitchell – Crew Chief

Colin Mitchell is a 1998 graduate of Glenville State's Land Surveying program and brings a decade of surveying experience to FOX Engineering. He has been involved in all phases of WVDOH design projects from preliminary design to construction layout. His experience also includes ALTA/ACSM land title surveys, topographic and location surveys, construction layout, and rural and residential boundary surveys, including subdivisions. Colin has experience in AutoCAD as well as construction monitoring. Colin is 40 hour hazwoper trained and a certified compaction technician.

Steve Winters, S.I.T. – Construction Division Manager/Crew Chief



DIVISION OF PUBLIC TRANSIT
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Steve Winters holds a Bachelors degree in Civil Engineering Technology and is a Registered S.I.T. He currently holds a dual role with FOX Engineering serving as the Construction Manager, as well as a crew chief with the survey department. A seasoned layout surveyor, he has been the responsible crew chief on a variety of major bridge and highway construction projects covering four states (WV, MD, KY, VA). Steve, with over a decade of experience on WVDOH crews, is a certified inspector for asphalt, concrete and compaction, and is classified as a Level IV Construction Inspector. As a construction manager, Steve currently manages all quoting and project scheduling for guardrail services.

DIVISION OF PUBLIC TRANSIT
Administrative Office and Maintenance Facility

CONSTRUCTION

Services:

FOX Construction provides heavy highway construction, commercial construction, construction management, construction inspection and development services for public and private projects. Serving commercial and industrial clients, State & local governments, schools, hotels, and hospitals, FOX Construction offers site selection and preparation, new construction, renovation and project management services.

- Construction Management
- Construction Inspection and Oversight
- Guardrail and Fence Installation
- Seeding and Mulching
- Excavation and Site Work
- Pipe and Culvert Installation
- Commercial Building Construction
- Design/Build

Due to our outstanding owner relationships, quality work, reputation, and experience, FOX Construction is considered to be one of the top design build contractors in the industry today. One of the most efficient and cost-effective methods of construction is the Design/Build concept. Design/Build is effective because it promotes efficiency by allowing the contractor and engineers to work together, using innovative means to find solutions to many technical problems before the construction process begins. It unifies the responsibility for the project in one source-the Design/Build team.

FOX Construction provides construction services on either a single source design/build format or as a design/assist partner. FOX Construction can provide a guaranteed maximum price which provides strong incentives for completing projects on time and under budget.

FOX Construction is persistent in adjusting its business philosophy to face the ever-changing market while keeping a competitive advantage in the construction industry. Our company has been built on our value of safety, quality, partnering, teamwork, efficient scheduling of manpower, equipment resources, and subcontractors to fast-track any type of construction project.

DIVISION OF PUBLIC TRANSIT
Administrative Office and Maintenance Facility

LOCATION



FOX Engineering's home office is located in Historic Downtown Ripley, WV.

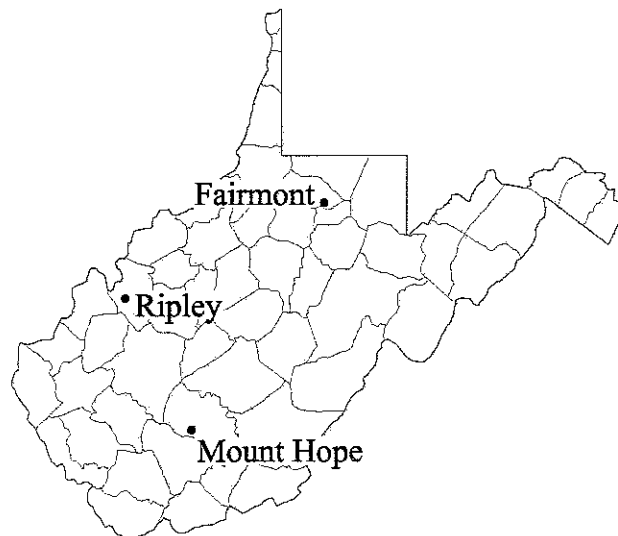
FOX now has an office in Fairmont, WV.

Ripley Office

101 North Court Street
Ripley, WV 25271
Phone 304-372-3705
Fax 304-372-4100

Fairmont Office

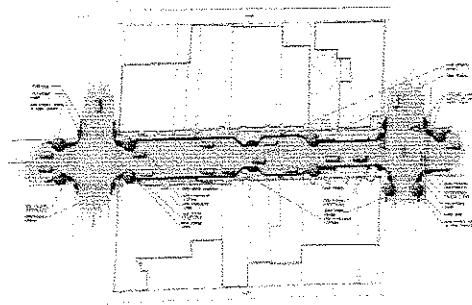
Marion County Business & Industrial Park
1000 Green River Dr., Suite 101
Phone 304-534-3245
Fax 304-534-3247



- **City of Ravenswood Downtown Beautification**

Owner: The City of Ravenswood
212 Walnut Street
Ravenswood, WV 26164
Attention: Mayor Lucy Harbert
(304-273-2621)

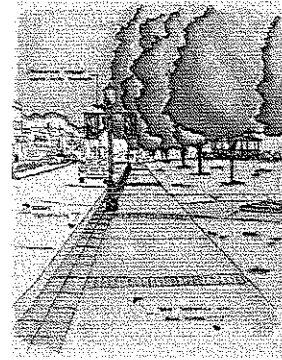
Through the use of a TE Grant, FOX provided the engineering services required for the revitalization design and construction management of Washington Street, the main street in downtown Ravenswood. The design incorporated new landscape architecture, approximately 800 linear feet of sidewalk, and other amenities such as pedestrian lighting and ADA accessible ramps to enhance the historical nature of the downtown buildings.



- **City of Ripley Downtown Revitalization, Phase III**

Owner: Main Street Ripley
Post Office Box 89
Ripley, West Virginia 25271
Attention: Ms. Monnie Landis, Director
(304-372-1637)

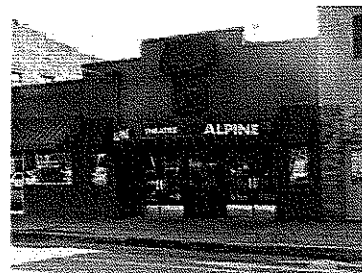
FOX provided the services required to help the City of Ripley set the scope of work for this phase of their revitalization plan. FOX developed the scope based on the budget allowed from the use of a TE Grant.



- **Alpine Theatre Restoration**

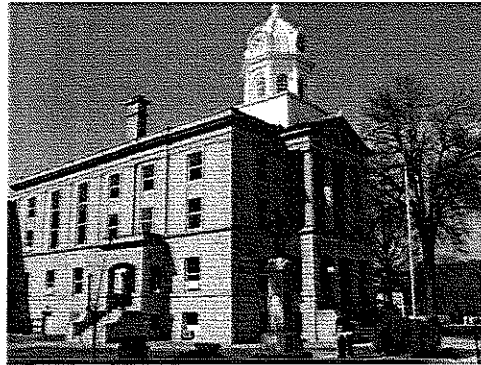
Owner: Main Street Ripley
Post Office Box 89
Ripley, West Virginia 25271
Attention: Ms. Monnie Landis, Director
(304-372-1637)

FOX was responsible for planning and supervising the complete restoration of the historic Alpine Theatre. The preservation of the interior and exterior architecture was critical in restoring the theatre to its original ambience. The Alpine is a 122-seat facility that serves the citizens of Jackson County with arts and entertainment commonly found in larger cities.



- **Jackson County Courthouse Restoration**

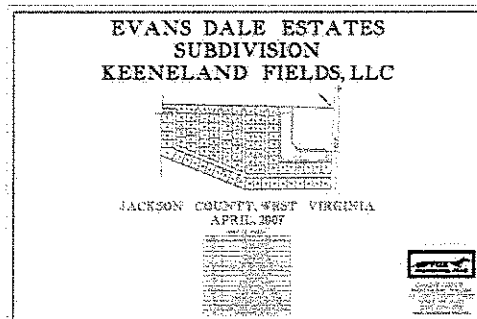
Owner: Jackson County Commission
PO Box 800
Ripley, WV 25271
Attention: Mr. Don Stephens, President
(304-372-2011)



FOX has been utilized for architectural recommendations and management for various exterior and interior restorations. These include: new copper roofs, windows, and repairs to plaster, masonry, and stone. Services also include bidding, construction contract administration, and construction inspection.

- **Evans Dale Estates Subdivision**

Owner: Hobba Enterprises, LLC
446 – 7 Rt 33 West
Ripley, West Virginia 25271
Attention: Mr. Dave Hobba
(304-373-0184)



FOX was responsible for the complete design of the Evans Dale Estates Subdivision. The design included the layout of over 90 residential lots as well as four townhouse apartment complexes, encompassing over 40 units. Complete utility design was included as well as the design of a four acre retention pond for the anticipated storm water runoff. Upon completion the subdivision will have the potential of housing over 130 families. FOX was responsible for the initial topographic survey to be used in the completion of the design plans. FOX also was responsible for the layout of the lots, utilities, streets, storm water facilities, etc. FOX is currently the on-call surveyor for this on-going project and has worked with several lending institutions performing mortgage surveys and the layout of structure footers during the development of this residential subdivision.

Ms. Fox has over 14 years of bridge design and related experience, some of which was acquired while an employee of WVDOT. She has been responsible for the complete design of both state- and federally-funded bridge projects which involve the completion of hydraulic studies, superstructure design, substructure design, and contract plan preparation. Ms. Fox founded FOX Engineering in 2001 and continues to serve as the sole owner and decision maker of this growing firm.

EDUCATION

West Virginia University – BS, Civil Engineering 1994

REGISTRATIONS

Registered Professional Engineer: WV (13985), OH (64206), SC (20031), IN (10201196), MD (32912)
Licensed Engineering Contractor #WV041041
Safety Inspection of In-Service Bridges – NHI Course 130055A

RELEVANT BACKGROUND

Bridge Design and Rehabilitation – Project engineer responsible for management, design, review, and coordination of different areas and phases of bridge projects. The types of bridges include steel plate girders, both straight and horizontally curved, prestressed concrete I-beams, and timber bridges. The bridges range in length from 150 to 2,300 feet. Substructure design includes conventional, semi-integral and integral abutments, mechanically stabilized earth retaining walls, as well as single and multicolumn piers. Representative projects include:

- Corridor H – Bismark to Forman; Grant County, West Virginia
- Cotton Hill Bridge; West Virginia Route 16, Fayette County, West Virginia
- Earling Bridge; West Virginia Route 10, Logan County, West Virginia
- East River Bridge; Interstate 77, Mercer County, West Virginia
- Elkins Bypass – U.S. Route 219 to Canfield; Randolph County, West Virginia
- Man Bridge; West Virginia Route 10, Logan County, West Virginia
- Mercury Boulevard Interchange; Hampton, Virginia
- Millville Quarry Access Bridge; West Virginia Route 9, Jefferson County, West Virginia
- Milton Covered Bridge Historic Restoration; Pumpkin Festival Grounds, Cabell County, West Virginia
- Moorefield Interchange Bridge; Hardy County, West Virginia
- Rita Bridge; West Virginia Route 10, Logan County, West Virginia
- Spring Valley Bridge; Wayne County, West Virginia
- Three Forks Creek Bridge; Tyler County, West Virginia
- Trace Fork Pony Truss Bridge Replacement; Route 32, Lincoln County, West Virginia
- West 19th Street Overpass Bridge; Interstate 64, Cabell County, West Virginia

Box Culvert Design – Project engineer responsible for design, review, and coordination of different areas and phases of concrete box culvert projects. The culverts range in length from 70 to 250 feet. Representative projects include:

- Elkins Bypass – U.S. Route 219 to Canfield; Randolph County, West Virginia
- Spring Valley Bridge; Spring Valley Drive, Wayne County, West Virginia



Retaining Wall Design – Project engineer responsible for design, review, and coordination of different areas and phases of retaining wall projects, including cast-in-place walls and mechanically stabilized earth (MSE) walls. Representative projects include:

- Spring Valley Bridge; Spring Valley Drive, Wayne County, West Virginia
- West Virginia Route 10 Walls, West Virginia Route 10 – Man to Rita; Logan County, West Virginia

Structural Condition Inspections – Served as a Team Leader and assisted in the inspection of bridges ranging in length from 20 feet to 2,400 feet. Services included preparation of reports, load ratings, and stress analysis. Representative projects include:

- Bigley Avenue Bridges; Charleston, West Virginia
- High Street Bridge; Morgantown, West Virginia
- Lee Avenue Bridge; Weirton, West Virginia
- Milton Covered Bridge; Milton, West Virginia
- West 19th Street Overpass Bridge; Huntington, West Virginia
- Wheeling Tunnel; Wheeling, West Virginia

Bridge Rating and Analysis – Assisted in conducting stress analysis and load rating for a variety of bridges throughout West Virginia. Representative bridge projects include:

- High Street Bridge; Morgantown, West Virginia
- West 19th Street Overpass Bridge; Huntington, West Virginia

Municipal Engineering Services – Provided engineering services such as preliminary and final design, construction inspection and management, assistance with funding applications, development of construction cost estimates, and utility coordination. Representative clients include:

- Alpine Theatre Restoration Chairman, Subcommittee of Main Street Ripley; Ripley, West Virginia
- City of Ravenswood Downtown Beautification; Ravenswood, West Virginia
- Jackson County Commission; Ripley, West Virginia
- Main Street Ripley; Ripley, West Virginia

TRAINING

- Safety Inspection of In-Service Bridges – NHI Course No. 130055; Richmond, Virginia, 1999
- Introduction to Stream Functions and Processes: Course I; Canaan Valley, West Virginia, July 2002

MEMBERSHIPS, AFFILIATIONS AND HONORS

American Council of Engineering Companies (ACEC)
American Council of Engineering Companies of West Virginia (ACEC/WV)
American Institute of Steel Construction (AISC)
American Society of Civil Engineers (ASCE)
Architectural Engineering Institute (AEI)
National Society of Professional Engineers (NSPE)
2004 Jackson County Businessperson of the Year
2005 Who's Who in West Virginia Business
2006 Generation Next WV – West Virginia State Journal
2007 Who's Who in WV Business – West Virginia State Journal
2009 Young Gun for WV Executive Magazine



DAN A. METHENY, P.E.

DESIGN ENGINEER/DESIGN MANAGER

Mr. Metheny has over ten years of highway design and related experience. His experience includes the geometric design of four-lane divided highways, two-lane arterials and interchanges on new and existing alignments; as well as, structural condition inspections of in-service bridges, structural design of bridge substructure units, structural shop drawing review, commercial site development and residential subdivisions.

EDUCATION

West Virginia Institute of Technology – BS, Civil Engineering 1997

REGISTRATION

Registered Professional Engineer: WV (16389), KY (24365)
NHI – Safety Inspection of In-Service Bridges – NHI Course 130055A

RELEVANT BACKGROUND

Highway Design – Served as a designer on various highway projects ranging in size from small bridge replacements to over two-mile sections of four-lane divided highway on new alignment. During this time he has designed horizontal alignments, vertical alignments, intersections and superelevation for four-lane divided highways, interchanges, two-lane arterials and secondary routes; as well as, preparing all aspects of right-of-way plans and highway construction plans. He has also performed design studies requiring design and evaluation of alternate horizontal and vertical alignments for various corridors and interchanges. He has served as Project Manager on multi-million dollar design contracts where he has coordinated the design efforts of large in-house design teams, design sub-consultants, surveying sub-consultants, geotechnical sub-consultants, managed soil boring contracts and performed quality assurance/quality control reviews of highway construction plans. Representative examples of his experience include:

- 2.5 Miles of U.S. Route 50, Appalachian Corridor D – Interstate 77 to Alternate Route 14/East Street; Wood County, West Virginia
- 1.55 Miles of U.S. Route 50, Appalachian Corridor D – Ohio Route 618 to Greenland Addition; Washington County, Ohio and Wood County, West Virginia
- 0.20 Miles of Huntington Commerce Park Access Road; Cabell County, West Virginia
- 0.14 Miles of County Route 36 at Radnor; Wayne County, West Virginia
- 0.13 Miles of Interstate 77 at the Medina Interchange; Jackson County, West Virginia
- 0.11 Miles of West Virginia Route 10 Bridge Replacement over Merritt Creek at Sarah; Cabell County, West Virginia
- New River Parkway Design Study – Hinton, West Virginia to Interstate 64; Raleigh & Summers Counties, West Virginia

Highway Bridge Design – Served as a designer on various bridge replacement projects. During this time he has designed sub-structure units, reviewed shop drawings and assisted in the preparation of Span Arrangement and Type, Size & Location submissions. He has also served as Project Manager on large Corridor projects coordinating the design of as many as nine highway bridges and 950-feet of retaining wall on a single project. Representative examples of his experience include:

- Fort Washington Way, Contract No. 6 – Ramp J Bridge; Hamilton County, Ohio
- Eckman Overhead Bridge Replacement; U.S. Route 52, McDowell County, West Virginia



DAN A. METHENY, P.E.

DESIGN ENGINEER/DESIGN MANAGER

Structural Condition Inspections – Assisted in the inspection on various bridges throughout West Virginia. Responsibilities included hands-on inspection, visual inspection, and the preparation of inspection reports. Representative examples of his experience include:

- Bigley Avenue Bridges; Charleston, West Virginia
- Richard J. “Dick” Henderson Memorial Bridge over the Kanawha River; St. Albans, West Virginia
- Corporal Thomas Bennett Memorial Bridge “Uffington Truss” over the Monongahela River; Morgantown, West Virginia

Commercial/Residential Site Development – Served as a Project Manager and designer on various commercial and residential site development projects. During this time he prepared site grading plans, lot layouts, site utility plans and storm water pollution prevention plans (SWPPP). He has also prepared necessary documents to obtain permits from local, state and federal agencies including the WV Department of Environmental Protection (WVDEP), WV Division of Natural Resources (WVDNR), WV Department of Transportation (WVDOT), WV Department of Health & Human Resources (WVDHHR) and the US Army Corps of Engineers (USACOE). Representative examples of his experience include:

- Neal Run Crossing – 40 acre Commercial Development; Wood County, West Virginia
- Sterling Ridge – 70 Acre Commercial/Residential Development; Harrison County, West Virginia
- Stoney Creek – 43 acre residential subdivision; Jackson County, West Virginia
- Washington Woods Estates – 115 acre residential subdivision; Jackson County, West Virginia

Wastewater – Served as a design engineer assisting in the design and preparation of construction plans for a gravity sanitary sewer collection system. During this time he prepared plan and profile layouts of the proposed collection system and prepared easement exhibits. Representative examples of his experience include:

- Wastewater Collection System – Lubeck Public Service District, Wood County, West Virginia

Geographic Information Systems (GIS) – Technician responsible for preparation of Land Base mapping from aerial photography utilizing GIS mapping software as part of development of a fully integrated digital mapping system of gas utilities. Utility and customer locations were established through the use of Global Positioning System (GPS) equipment. Line information such as installation date, type, pressure, leaks, and customers were attached to elements within the digital map using an Oracle database system.

TRAINING

- Moving to MicroStation Training Course; AEC Cadcon, Cincinnati, Ohio, July 1998
- GEOPAK Road I Training Course AEC Cadcon; Columbus, Ohio November 1998
- GEOPAK Road II Training Course GEOPAK Corporation; North Miami Beach, Florida, June 1999
- GEOPAK Survey Training Course AEC Cadcon; Columbus, Ohio, March 2005
- Safety Inspections of In-Service Bridges – NHI Course No. 130055; West Virginia Department of Highways, August 2005

MEMBERSHIPS, AFFILIATIONS AND HONORS

American Society of Civil Engineers (ASCE)



KEELING L. FIFE, JR., P.E.

DESIGN ENGINEER/SURVEY MANAGER

Mr. Fife has over ten years of design and related experience. His experience includes the design of various roadway projects, including highway design, drainage design, hydraulic and hydrologic analysis and right-of-way. He also brings experience in structural condition inspection, rehabilitation, stress analysis and load rating of in-service bridges.

EDUCATION

West Virginia University – BS, Civil Engineering 1998

REGISTRATION

Registered Professional Engineer: WV (15620), OH (68417), KY (24376)
Safety Inspection of In-Service Bridges – NHI Course 130055A

RELEVANT BACKGROUND

Structural Condition Inspections – Served as a Team Leader and assisted in the inspection of bridges ranging in length from 20 feet to 2,400 feet. Responsibilities included hands-on inspection, preparation of condition reports, load ratings, and stress analysis. Representative projects include:

- 35th & 36th Street Bridges over the Kanawha River; Charleston, West Virginia
- 40 Small Bridges, District One; West Virginia Department of Transportation
- Arch Moore Tied Arch Bridge over the Ohio River; Moundsville, West Virginia
- Bigley Avenue Bridges; Charleston, West Virginia
- Fifth Street Bridge over Little Kanawha River; Parkersburg, West Virginia
- Fort Hill Bridge over the Kanawha River; Charleston, West Virginia
- Hi Carpenter Bridge over the Ohio River; St. Mary's, West Virginia
- Interstate 64-South Charleston-Dunbar Bridge over the Kanawha River; Dunbar, West Virginia
- Interstate 77-Williamstown Bridge over the Ohio River; Williamstown, West Virginia
- Market Street Suspension Bridge over the Ohio River; Steubenville, Ohio
- Parkersburg-Belpre Bridge over the Ohio River; Parkersburg, West Virginia
- Richard J. "Dick" Henderson Memorial Bridge over the Kanawha River; St. Albans, West Virginia
- Silver Memorial Bridge over the Ohio River; Point Pleasant, West Virginia
- Williamstown/Marietta Bridge over the Ohio River; Williamstown, West Virginia
- Camp Kootaga Boy Scout Bridge Over the Hughes River; Wirt County, West Virginia
- WV Alloys Bridge over the Norfolk Southern Railroad; Boomer, West Virginia
- WVU Personal Rapid Transit (PRT) System; Morgantown, West Virginia

Bridge Rating and Analysis – Assisted in conducting stress analysis and load rating for a variety of bridges throughout West Virginia. Representative bridge projects include:

- Arch Moore Tied Arch Bridge over the Ohio River; Moundsville, West Virginia
- Fifth Street Bridge over Little Kanawha River; Parkersburg, West Virginia

Services During Construction – Engineer responsible for the construction inspection of various design projects which included plan interpretation, quantification of materials, generation of progress reports, conflict resolution and project finalization. Representative projects include:



KEELING L. FIFE, JR., P.E.

DESIGN ENGINEER/SURVEY MANAGER

- Over 1800 feet of storm sewer pipe and manhole installation, Mid Ohio Valley Regional Airport; Parkersburg, West Virginia
- Installation of New Substation for providing electrical services to the Terminal, Mid Ohio Valley Regional Airport; Parkersburg, West Virginia

Roadway Design – Assisted in the design of roadway improvement projects including roadway design, drainage design, storm sewer design, hydraulic and hydrologic analysis, quantities, cost estimates, and right of way. Representative projects include:

- 4.36 Miles of U.S. 33 Scott Miller Hill Bypass; Peniel to Spencer, Roane County, West Virginia
- 2.85 Miles of West Virginia Route 10 – Rita to Dabney; Logan County, West Virginia
- 2.5 Miles of U.S. Route 50, Appalachian Corridor D – Interstate 77 to Alternate Route 14/East Street; Wood County, West Virginia
- 1.55 Miles of U.S. Route 50, Appalachian Corridor D – Ohio Route 618 to Greenland Addition; Washington County, Ohio and Wood County, West Virginia
- 0.20 Miles of Huntington Commerce Park Access Road; Cabell County, West Virginia
- 0.13 Miles of Interstate 77 at the Medina Interchange; Jackson County, West Virginia
- 0.11 Miles of West Virginia Route 10 Bridge Replacement over Merritt Creek at Sarah; Cabell County, West Virginia

Hydraulics Analysis – Performed a hydraulic analysis through the use of HEC-RAS to determine the impact of a proposed construction project on a watershed area. Representative projects include:

- Big Wana Bridge; West Virginia Route 7 over Big Wana Creek, Monongalia County, West Virginia
- Merritt Creek Bridge; West Virginia Route 10 over Merritt Creek, Cabell County, West Virginia
- Shiloh Bridge; County Route 14/4 over Middle Island Creek, Tyler County, West Virginia
- Numerous additional hydraulic studies on bridge replacements throughout West Virginia

Recreational Parks – Assisted with drainage layout and design of recreational facilities and parks including various athletic fields. Representative projects include:

- Relocation of Godbey Athletic Fields; Wood County, West Virginia
- North Fork Hughes River Recreation Project; Ritchie County, West Virginia

TRAINING

- Moving to MicroStation Training Course; AEC Cadcon, Columbus, Ohio, July 1999
- GEOPAK Road I Training Course; AEC Cadcon, Columbus, Ohio, February 2000
- Microsoft Power Point Training Course; Dils Center, Parkersburg, West Virginia, May 2000
- Introduction to Stream Functions and Processes: Course I; Canaan Valley, West Virginia, July 2002
- Methods for Stream Channel Assessment and Analysis II; Summersville, West Virginia, May 2003
- Introduction to Natural Stream Channel Design: Course III; Lewisburg, West Virginia, July 2004
- Advanced Natural Stream Channel Design: Course IV; Pipestem Resort, West Virginia, August 2004
- Safety Inspections of In-Service Bridges – NHI Course No. 130055; WVDOH, August 2005

MEMBERSHIPS, AFFILIATIONS AND HONORS

Tau Beta Pi, Engineering Honor Society
Chi Epsilon, Civil Engineering Honor Society



Ms. Fint has over a decade of bridge design and related experience. Her experience includes the design of single span and multi-span bridges, bridge replacement projects, preparation of construction plans, hydraulic studies, preliminary roadway design, shop drawing review and structural condition inspection of in-service bridges.

EDUCATION

West Virginia University – MS, Civil Engineering 1998
West Virginia Institute of Technology – BS, Civil Engineering 1995

REGISTRATION

Registered Professional Engineer: WV (15185)

RELEVANT BACKGROUND

Bridge Design and Rehabilitation – Project engineer responsible for management, design, review, and coordination of different areas and phases of bridge projects. The types of bridges include steel plate girders, rolled steel beams, prestressed concrete I-beams and concrete box beams. Substructure design includes semi-integral and integral abutments, mechanically stabilized earth retaining walls, as well as single and multicolumn piers. Representative projects include:

- Center Street Bridge Replacement; Bridgeport, Harrison County, West Virginia
- Clark Memorial Bridge Rehabilitation; Louisville, Kentucky
- Huntington Commerce Park Bridge; County Route 52/9, Cabell County, West Virginia
- Midway Plaza Bridge; West Virginia Route 10, Logan County, West Virginia
- Osage Temporary Bridge; US Route 19, Monongalia County, West Virginia
- Paw Paw Overpass Bridge Replacement; West Virginia Route 9, Morgan County, West Virginia
- Radnor Thru Truss Bridge Replacement; County Route 36, Wayne County, West Virginia
- Scraggs Drive Bridge Replacement; Charleston, Kanawha County, West Virginia
- Shiloh Bridge Replacement; County Route 14/4, Tyler County, West Virginia
- U.S. Route 50 Bridge over Buckeye Street; Parkersburg, Wood County, West Virginia
- U.S. Route 50 Bridge over County Route 50/2; Parkersburg, Wood County, West Virginia
- West Virginia Route 10 Bridge over Madison Branch; Logan County, West Virginia

Retaining Wall Design – Project engineer responsible for design, review, and coordination of different areas and phases of mechanically stabilized earth (MSE) retaining wall projects. Representative projects include:

- West Virginia Route 10 MSE Walls, West Virginia Route 10 – Rita to Dabney; Logan County, West Virginia
- West Virginia Route 892 MSE Wall, Appalachian Corridor D – Ohio Route 618 to Greenland Addition; Wood County, West Virginia

Structural Condition Inspections – Assisted in the inspection of bridges and preparation of reports. Representative projects include:

- 35th & 36th Street Bridges over the Kanawha River; Charleston, West Virginia
- Bigley Avenue Bridges; Charleston, West Virginia
- Richard J. “Dick” Henderson Memorial Bridge over the Kanawha River; St. Albans, West Virginia



Hydraulics Analysis – Performed a hydraulic analysis through the use of HEC-RAS and HEC-2 to determine the impact of a proposed construction project on a watershed area. Representative projects include:

- Center Street Bridge Replacement; Center Street over Ann’s Run, Bridgeport, Harrison County, West Virginia
- Radnor Thru Truss Bridge Replacement; County Route 36 over West Fork of Twelvepole Creek, Wayne County, West Virginia

Roadway Design – Engineer responsible for preliminary roadway layout and design, as well as final quantities and cost estimates. Representative projects include:

- 2.5 Miles of U.S. Route 50, Appalachian Corridor D – Interstate 77 to Alternate Route 14/East Street; Wood County, West Virginia
- 1.55 Miles of U.S. Route 50, Appalachian Corridor D – Ohio Route 618 to Greenland Addition; Washington County, Ohio and Wood County, West Virginia
- Paw Paw Overpass Bridge Replacement; West Virginia Route 9, Morgan County, West Virginia

Services During Construction – Engineer responsible for conflict resolution, plan interpretation, and shop drawing reviews including structural steel, prestressed concrete, and mechanically stabilized earth walls. Representative projects include:

- Eckman Overhead Bridge Replacement; U.S. Route 52, McDowell County, West Virginia
- Huntington Commerce Park Bridge; County Route 52/9, Cabell County, West Virginia
- Merritt Creek Bridge Replacement; West Virginia Route 10, Cabell County, West Virginia
- Paw Paw Overpass Bridge Replacement; West Virginia Route 9, Morgan County, West Virginia
- Scraggs Drive Bridge Replacement; Charleston, Kanawha County, West Virginia
- U.S. Route 50, Appalachian Corridor D – Interstate 77 to Alternate Route 14/East Street; Wood County, West Virginia
- U.S. Route 50, Appalachian Corridor D – Ohio Route 618 to Greenland Addition; Wood County, West Virginia

TRAINING

- GEOPAK Road I Training Course; AEC CADCON, Columbus, Ohio, November 1998
- FHWA Demonstration Project 82 Mechanically Stabilized Earth Walls and Reinforced Soil Slopes, Design and Construction Workshop; Charleston, West Virginia, October 1999
- Structures III Training; WVACE/WVDOT, Charleston, West Virginia, July 2001
- LRFD Bridge Design Training – Beyond The Basics; ACEC/WV & WVDOT, Charleston, West Virginia, October 2003
- Bridge Manual Training; ACEC/WV & WVDOT, Charleston, West Virginia, May 2004
- Structures IV Training; ACEC/WV & WVDOT, Charleston, West Virginia, November 2005

MEMBERSHIPS, AFFILIATIONS AND HONORS

American Institute of Steel Construction (AISC)
American Society of Civil Engineers (ASCE)
Structural Engineering Institute (SEI)
Tau Beta Pi, Engineering Honor Society



Mr. Martin has over eight years of bridge design and related experience. His experience includes the design and structural analysis of several types of bridge superstructures and substructures, the preparation of contract plans, and structural condition inspection of in-service bridges.

EDUCATION

West Virginia Institute of Technology – BS, Civil Engineering 1999

REGISTRATION

Registered Professional Engineer: WV (15808), OH (69419), KY (24364)

RELEVANT BACKGROUND

Bridge Design – Project Engineer responsible for design, review, and coordination of different areas and phases of bridge projects. The types of bridges include steel plate girders, both straight and horizontally curved, and concrete I-beams. The bridges range in length from 76 to 2,200 feet, and have had skew angles up to 36 degrees. Substructure design includes conventional, semi-integral, and integral abutments, as well as single and multicolumn piers up to 100 feet in height. Representative projects include:

- Big Wana Bridge; West Virginia Route 7, Monongalia County, West Virginia
- Clark Street Bridge; North 3rd Street, Clarksburg, Harrison County, West Virginia
- Earling Bridge; West Virginia Route 10, Logan County, West Virginia
- Holcomb Bridge; County Route 20, Nicholas County, West Virginia
- Indian Fork Bridge; County Route 13, Gilmer County, West Virginia
- Jake’s Run Bridge; West Virginia Route 7, Monongalia County, West Virginia
- Man Bridge; West Virginia Route 10, Logan County, West Virginia
- Martin Bridge; West Virginia Route 10, Logan County West Virginia
- Merritt Creek Bridge; West Virginia Route 10, Cabell County, West Virginia
- Rita Bridge; West Virginia Route 10, Logan County, West Virginia
- Rum Creek Bridge; County Route 14, Logan County, West Virginia
- Shiloh Bridge; County Route 14/4, Tyler County, West Virginia
- Trace Fork Bridge; County Route 32, Lincoln County, West Virginia
- Webster Bridge; U.S. Route 119, Taylor County, West Virginia
- Wellington Bridge; County Route 9, Roane County, West Virginia

Services During Construction – Engineer responsible for design of temporary structures, constructability checks, conflict resolution, plan interpretation, and shop drawing reviews including structural steel, prestressed concrete, and mechanically stabilized earth walls. Representative projects include:

- I-64 Over Hubbards Branch; Interstate 64, Wayne County, West Virginia
- I-64 Milton Interchange; Interstate 64, Cabell County, West Virginia
- Allensville Low Water Crossing; County Route 3/2, Berkeley County, West Virginia
- Knocking Run Box Culvert; West Virginia Route 7, Monongalia County, West Virginia
- Opequon Creek; West Virginia Route 9, Berkeley County, West Virginia
- Osage Temporary Bridge; US Route 19, Monongalia County, West Virginia



V. GRANT MARTIN, P.E.

DESIGN ENGINEER

- Parsons Town Temporary Bridge; US Route 219, Tucker County, West Virginia
- Box Culvert Over Rush Creek; County Route 17, Jefferson County, Ohio

Structural Condition Inspection – Served as a team member and assisted with the inspection of bridges of lengths up to 2,400 feet, and preparation of reports. Representative projects include:

- Silver Memorial Bridge over the Ohio River; Point Pleasant, West Virginia
- Williamstown/Marietta Bridge over the Ohio River; Williamstown, West Virginia
- 35th & 36th Street Bridges over the Kanawha River; Charleston, West Virginia
- Bigley Avenue Bridges; Charleston, West Virginia

TRAINING

- Structures III Training; WVACE/WVDOT, Charleston, West Virginia, November 2001
- LRFD Bridge Design Training – Beyond the Basics; ACEC/WV & WVDOT, Charleston, West Virginia, October 2003
- Bridge Manual Training; ACEC/WV & WVDOT, Charleston, West Virginia, May 2004
- Structures IV Training; WVACE/WVDOT, Charleston, West Virginia, November 2005
- LRFD Foundation Design; ODOT, Marietta, Ohio, May 2007

MEMBERSHIPS, AFFILIATIONS AND HONORS

American Society of Civil Engineers (ASCE)
American Institute of Steel Construction (AISC)
Structural Engineering Institute (SEI)



STEVEN D. WINTERS, SIT CONSTRUCTION SUPERVISOR

Mr. Winters has over thirteen years experience on WVDOH construction projects ranging from project management, field inspection, and survey crews. He is a certified inspector for aggregate, concrete, asphalt, and compaction. He currently is working as a Level III Inspector, seasoned surveyor and construction supervisor. He has been the responsible crew chief on a variety of major bridge and highway projects covering four states (WV, MD, KY, and VA).

EDUCATION

West Virginia Institute of Technology – BS, Civil Engineering Technology 1994

West Virginia Institute of Technology – AS, Civil Engineering Technology 1992

REGISTRATION

Registered Surveyor in Training: WV (47)

WVDOH Certification for Compaction Technician, 1997

WVDOH Certification for Aggregate Sampling Inspector, 2000

WVDOH Certification for Portland Cement Inspector, 2001

WVDOH Certification for Asphalt, 2006

RELEVANT BACKGROUND

Services During Construction – Served as a Level III inspector responsible for quality assurance of density compaction, material inspection, concrete testing, and generation of as-built drawings.

Representative for WVDOH highway projects include:

- U.S. Route 50, Blennerhassett Bridge over the Ohio River; Parkersburg, WV
- County Route 622, Big Tyler Turning Lane; Cross Lanes, WV

Design Surveys – Served as survey party crew chief and instrument man on a variety of roadway and bridge design projects. Responsibilities for these projects included horizontal and vertical control surveys, underground mine surveys, site layout, structure layout, pipe and inlet layout, slope staking, quantity estimation, design of temporary structures, cross-section and topographic surveys, haul road layout, and mine structural layout. Also involved in numerous river crossing surveys including the following projects:

- Route 19 over Bluestone River; Spanishburg, WV
- Route 52 over New River; Tazwell, VA
- Hobet Mining over Mud River; Madison, WV
- Route 55 over South Branch of the Potomac River; Moorefield, WV
- Original New River Gorge Bridge Replacement over New River; Fayetteville, WV
- Route 127 over North River; Forks of Cacapon, WV
- Route 259 over Cacapon River; Wardensville, WV
- Water Street Bridge over Guyandotte River; Logan, WV
- Route 5 over Little Kanawha River; Elizabeth, WV
- Route 259 over Cacapon River; Yellow Springs, WV
- Whitesville Town Bridge over Big Coal River; Whitesville, WV
- Route 60 over Greenbrier River; White Sulphur Springs, WV
- Route 250 Bypass over Tygart River; Philippi, WV
- Jacksons Mill Bridge over West Fork River; Jacksons Mill, WV



STEVEN D. WINTERS, SIT **CONSTRUCTION SUPERVISOR**

- Route 52 over Guyandotte River; Gilbert, WV

WVDOH Design Surveys – Served as survey party crew chief and instrument man on a variety of roadway and bridge design projects for the West Virginia Division of Highways. Representative projects include:

- Merritt Creek Bridge, Cabell County, WV
- Durhing Arch Bridge, Mercer County, WV

Site Design Surveys - Served as survey party crew chief and instrument man on a variety of site development and design projects for a variety of clients. Representative projects include:

- King's Daughters Medical Center, Ashland, KY
- West Virginia Welcome Center I-64, Huntington, WV
- West Virginia American Water Pump Station, Treatment Plant, Fayetteville, WV
- Massey Coal Company Coal Prep. Plant Facilities and Belt Line, Whiteville, WV

Construction Supervision – Served as a construction supervisor on a variety of WVDOH construction projects. Representative projects include:

- Superintendent for drainage inlet and pipe installation
- Roadway cut and fill operations

TRAINING

- Hazardous Waste Operations Training, 40 Hours, 1996
- Nuclear Regulatory Commission – Safety Officer/Manager

MEMBERSHIPS, AFFILIATIONS AND HONORS

West Virginia Society of Professional Surveyors (WVSPS)



STEVE K. SAYRE, SIT

SENIOR CREW CHIEF

Mr. Sayre is a Registered Surveyor in Training with over 30 years of surveying experience. He has worked on a variety of surveying projects, including WVDOH design projects, ALTA/ACSM land title surveys, rural and residential boundary surveys, topographic surveys and construction layout. His experiences also include optical alignment and leveling of aluminum rolling mills and alignment of overhead crane rails. He has over 15 years of AutoCAD experience related to the surveying field.

REGISTRATION

Registered Surveyor in Training: WV (79)

RELEVANT BACKGROUND

WVDOH Design Surveys – Served as survey party crew chief on a variety of roadway and bridge design projects for the West Virginia Division of Highways. Representative projects include:

- Merritt Creek Bridge, Cabell County, WV
- Durhing Arch Bridge, Mercer County, WV
- Scotts Slab Bridge, Harrison County, WV
- Dunkard Beach Bridge, Monongalia County, WV
- East Huntington Bridge Survey
- W.V. Route 9, Martinsburg, WV
- King Coal Highway, Williamson, WV

Site Design Surveys - Served as survey party crew chief on a variety of site development and design projects for a variety of clients. Representative projects include:

- King's Daughters Medical Center, Ashland, KY
- Martinsburg Middle and High Schools
- Ripley Elementary School

MEMBERSHIPS, AFFILIATIONS AND HONORS

West Virginia Society of Professional Surveyors (WVSPS)



WILLIAM "BILL" J. ROTA, P.E., P.S.

DESIGN ENGINEER

Mr. Rota has over fifty years of highway design and related experience. His experience includes the geometric design of four-lane divided highways, two-lane highways, and interchanges on new and existing alignments. His experience also includes right of way plan preparation and field stake out.

EDUCATION

West Virginia University – BS, Civil Engineering 1959

REGISTRATION

Registered Professional Engineer: WV (4290)

Registered Professional Surveyor: WV (1690)

RELEVANT BACKGROUND

Highway Design – Served as a designer on various highway projects ranging in size from small bridge replacements to four-lane divided highway on new alignment. During this time he has designed horizontal alignments, vertical alignments, intersections and superelevation for four-lane divided highways, interchanges, two-lane arterials and secondary routes; as well as, preparing all aspects of right-of-way plans and highway construction plans. He has served as Project Manager and performed quality assurance/quality control reviews of highway construction plans. Representative examples of his experience include:

- Amherstdale to Pardee; Monongalia County, West Virginia
- Appalachian Corridor Q – U.S. Route 460 to Interstate 77; Mercer County, West Virginia
- Benton's Ferry Bridge (Southbound Interstate 79); Marion County, West Virginia
- Big Wana Bridge; West Virginia Route 7, Monongalia County, West Virginia
- Blue Sulphur Bridge; Cabell County, West Virginia
- Bridgeport City Park Bridge; Harrison County, West Virginia
- Bull Fork Bride; Gilmer County, West Virginia
- Cameron Ridge Bridge; Marshall County, West Virginia
- Capon Lake Bridge; Hampshire County, West Virginia
- Chestnut Ridge Road; Monongalia County, West Virginia
- Clark Street Bridge; North 3rd Street, Clarksburg, Harrison County, West Virginia
- Davisson Run Road – U.S. Route 19 Intersection; Harrison County, West Virginia
- East Grafton Bridges; Taylor County, West Virginia
- East Keystone Bridge; McDowell County, West Virginia
- Fieldcrest Bridge (wood structure); Monongalia County, West Virginia
- Flowing Springs Bridge; Jefferson County, West Virginia
- Frametown Bridge; Braxton County, West Virginia
- General Motors Access Road; Berkeley County, West Virginia
- Holcomb Bridge; County Route 20, Nicholas County, West Virginia
- Interstate 68 – Bruceton Mills to Maryland state line; Preston County, West Virginia
- Interstate 79 – Clem to Coon Knob; Braxton County, West Virginia
- Interstate 79 – Fairmont to White Day Creek; Marion County, West Virginia
- Interstate 81 – Inwood to Maryland state line; Berkeley County, West Virginia
- Middle Bridge; Logan County, West Virginia
- Moorefield Interchange Bridge; Hardy County, West Virginia
- North Upper Track Roadway; Pendleton County, West Virginia



WILLIAM "BILL" J. ROTA, P.E., P.S.

DESIGN ENGINEER

- Orchard Road; Monongalia County, West Virginia
- Petersburg-Moorefield Center Turn Lane; Hardy County, West Virginia
- Ronceverte Bridges; Greenbrier County, West Virginia
- Rush Run Bridge; Calhoun County, West Virginia
- Sabraton Center Turn Lane; Monongalia County, West Virginia
- Trace Fork Pony Truss Bridge; Lincoln County, West Virginia
- Wickwire Arch Bridge; Taylor County, West Virginia
- Wierton Steel Bridge; Hancock County, West Virginia
- West Virginia Route 85 Bridge; Boone County, West Virginia

Design Reports – Project Engineer responsible for performing design studies requiring design and evaluation of alternate horizontal and vertical alignments for various corridors and interchanges. Representative projects include:

- County Route 73/Interstate 79 Interchange; Marion County, West Virginia
- New Cumberland Bypass; Hancock County, West Virginia
- U.S. Route 522 – Virginia state line to Maryland state line; Morgan County, West Virginia
- 48 Miles of West Virginia Route 10; Cabell, Lincoln, Boone, and Logan Counties, West Virginia

Bridge Repair – Project Engineer responsible for inspection and detailing. Representative projects include:

- City of Clarksburg Bridges; Harrison County, West Virginia
- Dupont Interchange Bridge; Berkeley County, West Virginia
- Hulbert Heights Bridge; Putnam County, West Virginia
- Fairplain Interchange Bridge; Jackson County, West Virginia
- Greenbrier Street Bridge; Kanawha County, West Virginia
- Oyler Avenue Underpass; Fayette County, West Virginia

Miscellaneous Design – Project Engineer responsible for survey, detailing, and geometric design. Representative projects include:

- Breeden Tunnel Repair; Mingo County, West Virginia
- Fort Hill Slope Repair; Kanawha County, West Virginia
- Interstate 81 North Rest Area; Berkeley County, West Virginia
- Interstate 81 South Rest Area; Berkeley County, West Virginia
- Interstate 79 Servia Rest Area; Braxton County, West Virginia

MEMBERSHIPS, AFFILIATIONS AND HONORS

American Society of Highway Engineers (ASHE)
2001 ASHE Man of the Year



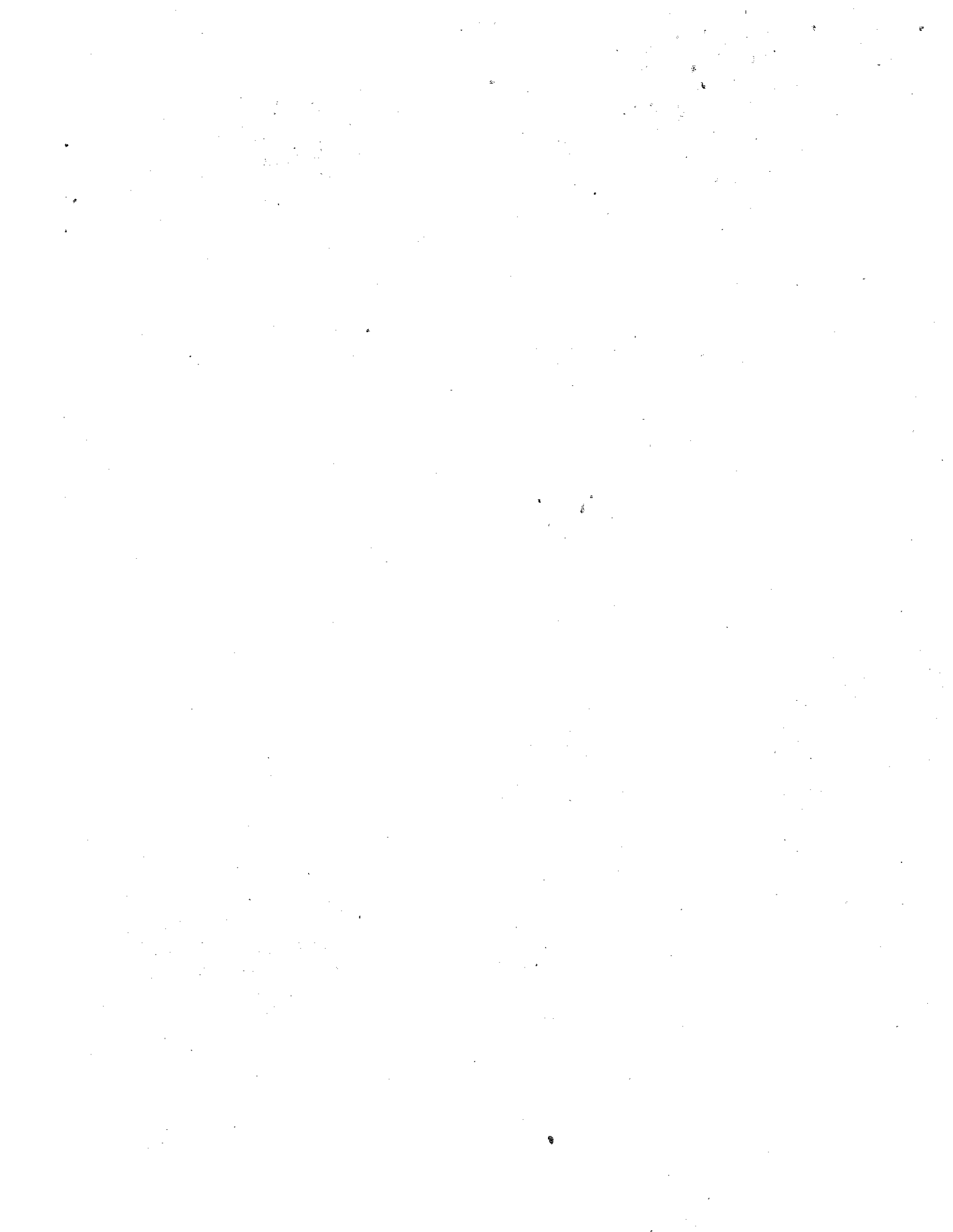
ALPHA ASSOCIATES, INCORPORATED

**STATEMENT OF DIRECT LABOR, FRINGE BENEFITS AND
GENERAL OVERHEAD**

For the Year Ended December 31, 2007

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DECKER & COMPANY PLLC
CERTIFIED PUBLIC ACCOUNTING

1020 Winchester Avenue • Martinsburg, WV 25401

**INDEPENDENT AUDITORS' REPORT ON STATEMENT OF DIRECT LABOR,
FRINGE BENEFITS AND GENERAL OVERHEAD**

To the Board of Directors
Alpha Associates, Incorporated
Morgantown, WV 26501

We have audited the accompanying Statement of Direct Labor, Fringe Benefits and General Overhead of Alpha Associates, Incorporated for the year ended December 31, 2007. This statement is the responsibility of the management of Alpha Associates, Incorporated. Our responsibility is to express an opinion on the statement based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Governmental Auditing Standards* issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the statement is free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the Statement of Direct Labor, Fringe Benefits and General Overhead. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

As described in the notes to the statement, Alpha Associates, Incorporated prepared the accompanying statement on a basis of accounting prescribed in Part 31 of the Federal Acquisition Regulations and certain other federal and state regulations, and is not intended to be a presentation in conformity with generally accepted accounting principles.

In our opinion, the Statement of Direct Labor, Fringe Benefits and General Overhead presents fairly, in all material respects, the direct labor, fringe benefits and general overhead of Alpha Associates, Incorporated for the year ended December 31, 2007, on the basis of accounting described in the notes..

In accordance with *Government Auditing Standards*, we have also issued our report dated February 24, 2009, on our consideration of the Company's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* and important for assessing the results of our audit.

This report is intended solely for the information and use of Alpha Associates, Incorporated and the West Virginia Department of Highways or other customers related to contracts employing the cost principles of the Federal Acquisition Regulations and should not be used for any other purpose. This restriction is not intended to limit the distribution of this report, which is a matter of public record.

Decker & Company PLLC

February 24, 2009

Alpha Associates, Incorporated

STATEMENT OF DIRECT LABOR, FRINGE BENEFITS AND GENERAL OVERHEAD

For the year ended December 31, 2007

Account	Federal Acquisition Regulation Reference	Total Costs	Notes	FAR Elimination	Direct Cost Elimination	Allowable Overhead	Percent of Direct Labor
Labor - shareholder	31.205-6	\$ 698,522		\$ -	\$ 337,021	\$ 361,501	26.50%
Labor - employees	31.205-6	1,559,704		-	1,027,258	532,446	39.03%
Automobile Expense	31.205-45	60,049		-	-	60,049	4.40%
Automobile Leases	31.205-45, 46	53,830	(1)	4,125	-	49,705	3.64%
Bad Debt Expense	31.205-3	1,404	(2)	1,404	-	-	0.00%
Books and Periodicals/Subscriptions	31.205-43	8,075		-	-	8,075	0.59%
Business Development/Advertising	31.205-1	40,157	(3)	39,551	606	-	0.00%
Consultants	31.205-6	713,270		-	680,822	32,448	2.38%
Contributions	31.205-8	21,906	(4)	21,906	-	-	0.00%
Depreciation	31.205-11	15,162		-	-	15,162	1.11%
Dues and Registrations	31.205-43	51,305		-	-	51,305	3.76%
Education and Seminars	31.205-44	18,199		-	-	18,199	1.33%
Employee Fringe Benefits	31.205-6	244,599	(5)	13,596	-	231,003	16.93%
Entertainment	31.205-14	15,711	(6)	15,711	-	-	0.00%
Equipment Rent	31.205-36	177,684		-	-	177,684	13.02%
Interest Expense	31.205-20	109,236	(7)	109,236	-	-	0.00%
Legal and Accounting	31.205-33	16,729		-	2,310	14,419	1.06%
Miscellaneous Expense	31.205-28	15,782		-	(1,439)	17,221	1.26%
Office Rent	31.205-36	206,564		-	250	206,314	15.12%
Office/Drafting Supplies	31.205-28	65,054		-	993	64,061	4.70%
Other Taxes	31.205-41	34,775		-	-	34,775	2.55%
Payroll Taxes	31.205-41	183,280		-	-	183,280	13.43%
Postage/Shipping/Delivery	31.205-45, 46	15,221		-	7,423	7,798	0.57%
Printing and Reproduction	31.205-28	47,299		-	29,465	17,834	1.31%
Professional Liability Insurance	31.205-19	10,729		-	-	10,729	0.79%
Repairs and Maintenance	31.205-24	16,104		-	-	16,104	1.18%
Software Expense	31.205-39	48,191		-	-	48,191	3.53%
Telephone and Internet	31.205-36	45,146		-	-	45,146	3.31%
Travel Expense	31.205-46	65,514		-	27,168	38,346	2.81%
Utilities	31.205-36	6,248		-	-	6,248	0.46%
Total		\$ 4,565,449		\$ 205,529	\$ 2,111,877	\$ 2,248,043	164.78%

Direct Labor Base (direct cost of labor-shareholder and labor-employees)

\$1,364,279

Note References:

- (1) Personal use of leased automobiles is unallowable per FAR 31.205-6(m)(2)
- (2) Bad debt expense is unallowable per FAR 31.205-3
- (3) Advertising expense is unallowable per FAR 31.205-1
- (4) Contributions expense is unallowable per FAR 31.205-8
- (5) Officers life insurance expense is unallowable per FAR 31.205-19
- (6) Entertainment expense is unallowable per FAR 31.205-14
- (7) Interest expense unallowable per FAR 31.205-20

The accompanying notes are an integral part of this statement

Alpha Associated, Incorporated

NOTES TO STATEMENT OF DIRECT LABOR FRINGE BENEFITS AND GENERAL OVERHEAD

For the year ended December 31, 2007

SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Nature of Business

The Company, incorporated in 1969, operates an architecture, engineering, and design firm operating primarily in West Virginia with offices in Morgantown and Martinsburg, West Virginia.

Basis of Accounting

The accompanying statement was prepared on the basis of accounting prescribed by the Federal Acquisition Regulation, Part 31 – Contract Cost Principles and Procedures and the West Virginia Department of Highways. These accounting procedures are not in conformity with generally accepted accounting principles.

The Company maintains a job-order cost accounting system for recording and accumulating costs uncured under its contracts. Each project is assigned a job number so that costs may be segregated and accumulated in the Company's job-order cost accounting system.

The Company's method of estimating costs for pricing purposes during the proposal process is consistent with the accumulation and reporting of costs under its job-order cost accounting system.

Fringe Benefits

The following items were included in allowable fringe benefits during the year ended December 31, 2007:

Employment Taxes	\$183,280
Health and Life Insurance	<u>231,003</u>
Total Fringe Benefits	<u>\$414,283</u>

DECKER & COMPANY PLLC
CERTIFIED PUBLIC ACCOUNTING

1020 Winchester Avenue • Martinsburg, WV 25401

**REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE
AND ON OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED
IN ACCORDANCE WITH GOVERNMENT AUDITING STANDARDS**

To the Board of Directors
Alpha Associates, Incorporated

We have audited the statement of director labor, fringe benefits and general overhead for Alpha Associates, Incorporated for the year ended December 31, 2007, and have issued our report thereon dated February 24, 2009. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States.

Internal Control Over Financial Reporting

In planning and performing our audit, we considered Alpha Associates, Incorporated's internal control over financial reporting as a basis for designing our auditing procedures for the purpose of expressing our opinion on the statement of direct labor, fringe benefits and general overhead, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control over financial reporting. Accordingly, we do not express an opinion on the effectiveness of the Company's internal control over financial reporting.

Our consideration of internal control over financial reporting was for the limited purpose described in the preceding paragraph and would not necessarily identify all deficiencies in internal control over financial reporting that might be significant deficiencies or material weaknesses. However, as discussed below, we identified a deficiency in internal control over financial reporting that we consider to be a significant deficiency.

A control deficiency exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent or detect misstatements on a timely basis. A significant deficiency is a control deficiency, or combination of control deficiencies, that adversely affects the company's ability to initiate, authorize, record, process, or report financial data reliably in accordance with the basis of accounting prescribed in Part 31 of the Federal Acquisition Regulations (FARS), such that there is more than a remote likelihood that a misstatement of the Company's financial statement that is more than inconsequential will not be prevented or detected by the Company's internal control. We consider the deficiency described below to be a significant deficiency in internal control over financial reporting.

- **Finding 2007-1:** The Company's draft of the Statement of Direct Labor, Fringe Benefits and General Overhead contained several spreadsheet formula errors and inconsistencies with the presentation of costs in accordance with the FARS.
- **Response:** The board of directors and staff will review future Statement drafts to eliminate spreadsheet formula errors and inconsistencies with the presentation of costs in accordance with the FARS.

A material weakness is a significant deficiency, or combination of significant deficiencies, that results in more than a remote likelihood that a material misstatement of the financial statement will not be prevented or detected by the Company's internal control.

Our consideration of the internal control over financial reporting was for the limited purpose described in the first paragraph of this section and would not necessarily identify all deficiencies in the internal control that might be significant deficiencies and, accordingly, would not necessarily disclose all significant deficiencies that are also considered to be material weaknesses. However, we believe that none of the significant deficiencies described above is a material weakness.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the Company's financial statement is free of material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

The Company's response to the finding identified in our audit is described above. We did not audit the Company's response and, accordingly, we express no opinion on it.

This report is intended solely for the information and use of Alpha Associates, Incorporated and the West Virginia Department of Highways or other customers related to contracts employing the cost principles of the Federal Acquisition Regulations and should not be used by anyone other than these specified parties.

Decker & Company PLLC

February 24, 2009