

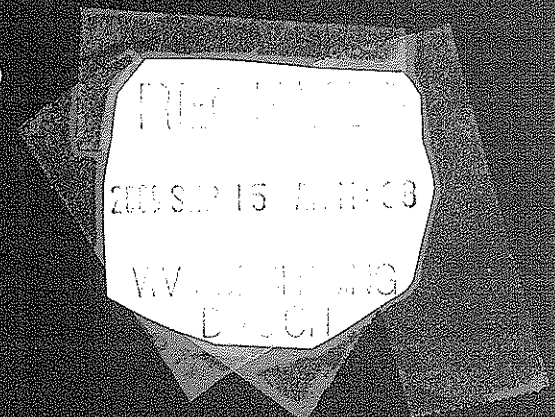
Proposal to Provide:

**Architectural and Engineering Services
for a Mine Safety and Training Facility**

Submitted to:

**West Virginia Office of Miners'
Health Safety & Training**

Submitted on:
September 15, 2009



**BUCHART
HORN, INC.**
Engineers, Architects and Planners

September 15, 2009

Mr. Frank Whittaker
State of West Virginia
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305

Reference: Architectural & Engineering Services for a Mine Safety & Training Facility

Dear Mr. Whittaker:

Buchart Horn, Inc. presents our qualifications to provide architect and engineering services for a Mine Safety and Training Facility. Buchart Horn is a full service architectural and engineering firm offering extensive experience in the design and administration of training and maintenance facilities. Our Project Manager, Mr. Michael M. Phillips, AIA, LEED® AP, has performed similar work for several projects throughout West Virginia.

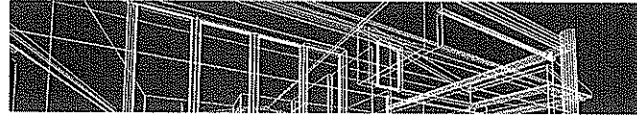
This Expression of Interest package has been prepared in accordance with the requirements outlined in your Request for Quotation. Should you have any questions regarding the material contained in this package, please contact me at (304) 346-1176. Thank you again for your consideration of Buchart Horn for this assignment. We look forward to the opportunity to serve the State of West Virginia on this important endeavor.

Sincerely,
Buchart Horn, Inc.

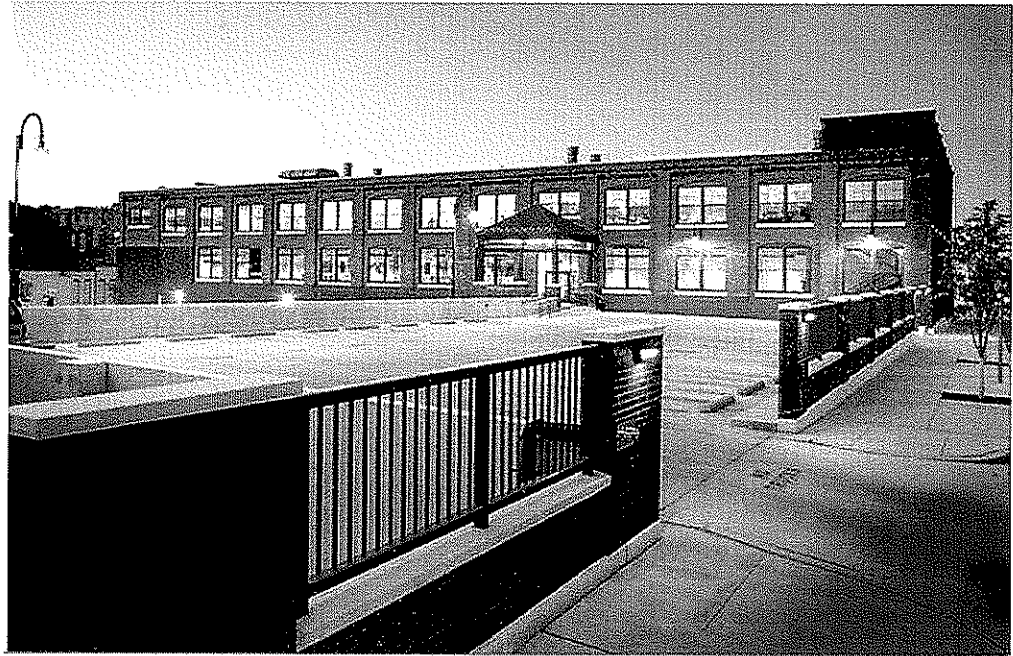


Michael M. Phillips, AIA, LEED® AP
Project Manager





| | |
|-----------------------|-----------|
| Firm Profile | Section 1 |
| Key Personnel | Section 2 |
| Project Experience | Section 3 |
| Construction Services | Section 4 |
| Required Forms | Section 5 |



For nearly 65 years, Buchart Horn, Inc. has managed and successfully completed multi-disciplinary projects throughout the eastern United States. As a full-service architectural, engineer, and planning firm serving our clients through 16 operating offices, we are well positioned to assist our clients with any project.

Buchart Horn is extremely proud of its performance for state, federal, and local governments and agencies as well as private clients. Our tradition of excellence has led to our current *Engineering News Record* ranking among the nation's Top 500 Design Firms and the Top 200 Environmental Firms. We have planned and designed projects worth more than \$2 billion and have been responsible for numerous award-winning projects.

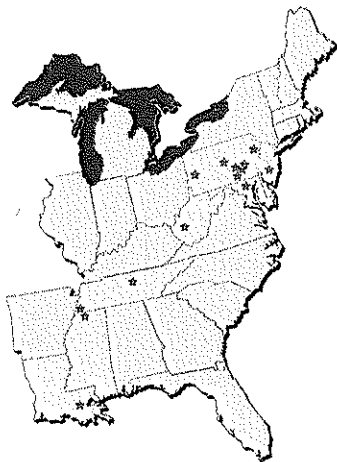
Locations

- Pennsylvania: York, Harrisburg, Hershey, New Cumberland, Pittsburgh, State College, Stroudsburg
- Louisiana: Baton Rouge
- Maryland: Baltimore
- Mississippi: Batesville
- New Jersey: Marlton
- Tennessee: Memphis, Nashville
- West Virginia: Charleston
- Germany: Frankfurt/Main, Kaiserslautern

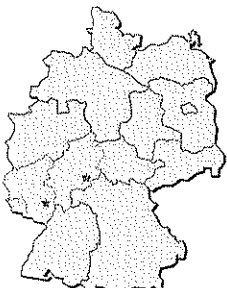
Services

We specialize in designing, improving, and solving infrastructure and structure problems and in helping our clients comply with environmental, life safety, and other codes and regulations. We provide:

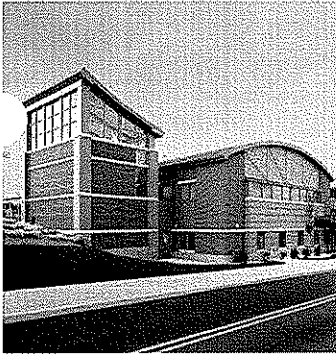
- Architecture
- Civil/Site Development
- Landscape Architecture Design
- Environmental Planning
- Surveys/Mapping
- HVAC, Plumbing, Energy Conservation
- Construction Management
- Electrical Systems
- Structural Design
- Geographic Information Systems (GIS)
- Highways, Roads, Streets
- Traffic and Traffic Management
- Recreation Parks and Trails
- Parking Garages and Decks
- Schools
- Telecommunications
- Water/Wastewater Treatment and Systems



U.S. Offices



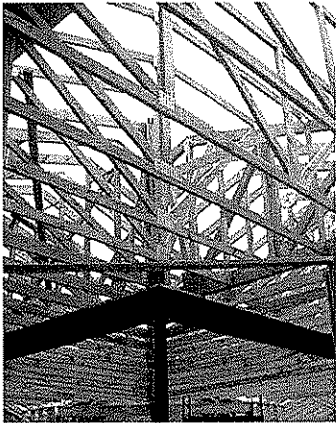
German Offices



Architecture

Buchart Horn offers complete architectural design capabilities including site selection, feasibility analysis, and the following services:

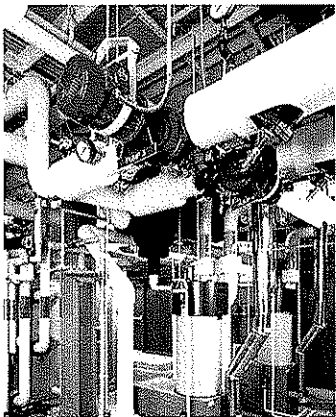
- ADA Evaluations/Compliance
- Building Evaluation
- Building Retrofits
- Cost Estimating
- Existing Conditions Review
- Facilities Design
- Feasibility Studies
- Historic Preservation
- Materials Selection
- Programming
- Renderings and 3-D Animations
- Renovations and New Construction
- Restoration
- Sustainable Design/LEED®/Green Design
- Site Analysis



Structural Engineering

Buchart Horn has been planning, designing and adapting infrastructure and buildings for nearly 65 years. Our structural engineering services involve all types of materials and structural systems.

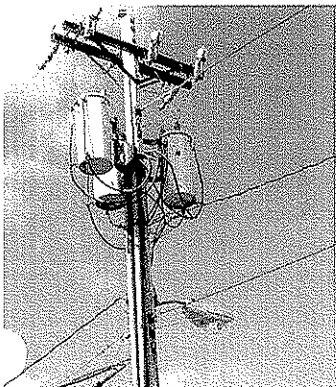
- Parking Structures
- Structural Analysis
- Feasibility Studies and Reports
- Structural Evaluation of Buildings
- New Buildings and Special Structures
- Foundation Design - Buildings and Equipment
- Renovations and Additions
- Industrial Design
- Commercial Design
- Ecclesiastical Design
- Educational Design
- Municipal Design
- Hospitals and Nursing Homes
- Housing for the Elderly
- Antenna Towers
- Swimming Pools
- Overhead Materials Handling Systems
- Retaining Structures



Mechanical Engineering

We provide complete system assessment, design and construction phase services for HVAC, plumbing, and fire protection systems. Our designs achieve a suitable balance of comfort, safety, health, and hygiene with sensitivity to client budgets and ease of upkeep. Our common-sense approach integrates the building systems with the need for a flexible, responsive, and energy-saving environment. Services include:

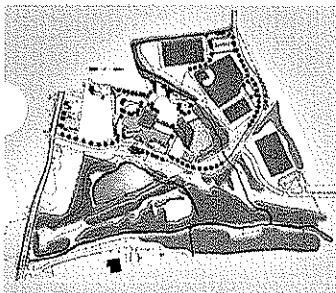
- Alternative Energy Sources
- Automatic Temperature Controls
- Building Management Systems
- Coal, Gas, and Oil Burner Retrofits
- Compressed Air Systems
- Dust Collection Systems
- Energy Protection Systems
- High-Pressure Boiler Plants
- HVAC Systems
- Industrial Process Distribution
- Plumbing and Drainage Systems
- Steam Power Distribution
- Value Engineering and Life Cycle Analysis
- Ventilation Heat Recovery



Electrical Engineering

From specialty lighting design and electrical power supply to completely automated systems development, our experienced electrical engineering staff can support a project from evaluation through system start-up and troubleshooting. Complete electrical engineering services are provided to architects, engineers, and public and private sector clients. Sophisticated instrumentation and control systems are often at the heart of today's electrical engineering projects. Our specialized experience brings cost-effective solutions to respond to client needs through the following services:

- Navigational Aids
- Interior and Exterior Lighting
- Power Distribution
- Facility Systems
- Telecommunications and Networking
- Process Automation and Control
- Operation and Maintenance Evaluation
- Systems Commissioning, Field Inspection, Start-up
- Electrical Studies and Analysis



Planning

In our firm, planning is not a separate discipline. It is an important component in assisting our clients in making knowledgeable project and programming decisions. We provide planning for the following types of projects:

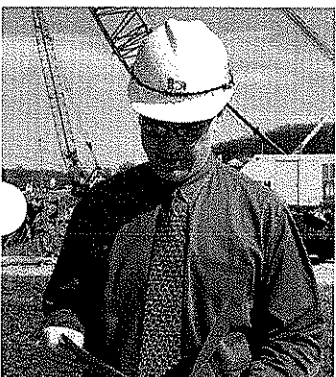
- Comprehensive Planning
- Economic Feasibility
- Environmental Planning
- Facilities Planning
- GIS/Mapping
- Land Planning
- Landscape Architecture
- Master Planning
- Public Meetings
- Recreational Planning
- Space Planning
- Zoning and Subdivision Ordinances



Site/Civil Engineering

Buchart Horn's civil engineering group matches sophistication and execution to complex, project-specific, and regulatory requirements to leverage the latest technological and computer advances.

- Parking Studies and Design
- Flood Studies
- Grading and Drainage Design
- Right-of-Way Services
- Sediment and Erosion Control
- Signalization
- Site Development
- Stormwater Management
- Traffic Studies and Analyses
- Utilities Design



Construction Management

Our construction management engineers and inspectors serve as representatives of the client/owner, providing liaison with contractors so that construction complies with contract documents. We provide the full spectrum of construction phase services for all types of architectural and engineering projects including:

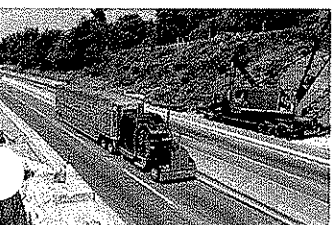
- Construction Inspection
- CPM Scheduling and Evaluation
- Claims/Change Order Management
- Constructability Analysis
- Construction Audits
- Construction Management
- Contract Administration
- Design/Build
- Equipment Start-up
- Grants Administration
- Materials/Equipment Procurement
- Material Sampling and Testing
- Permit Processing
- Specialized Testing



Environmental Engineering

Our environmental engineering services range from water treatment to sludge management and disposal. Our staff is familiar with code regulations. Services available include:

- Environmental Assessments
- Environmental Auditing
- Environmental Compliance
- Financial Analysis/Funding Assistance
- Geological Engineering
- Geophysical Investigations
- Infiltration/Inflow Studies
- Soil Contamination Studies
- Solid Waste/Air Quality Management
- Stormwater Management/NPDES Permitting
- Water and Wastewater Collection/Treatment Systems
- Water and Sewage Facilities Planning
- Wetlands Delineation and Permit Applications

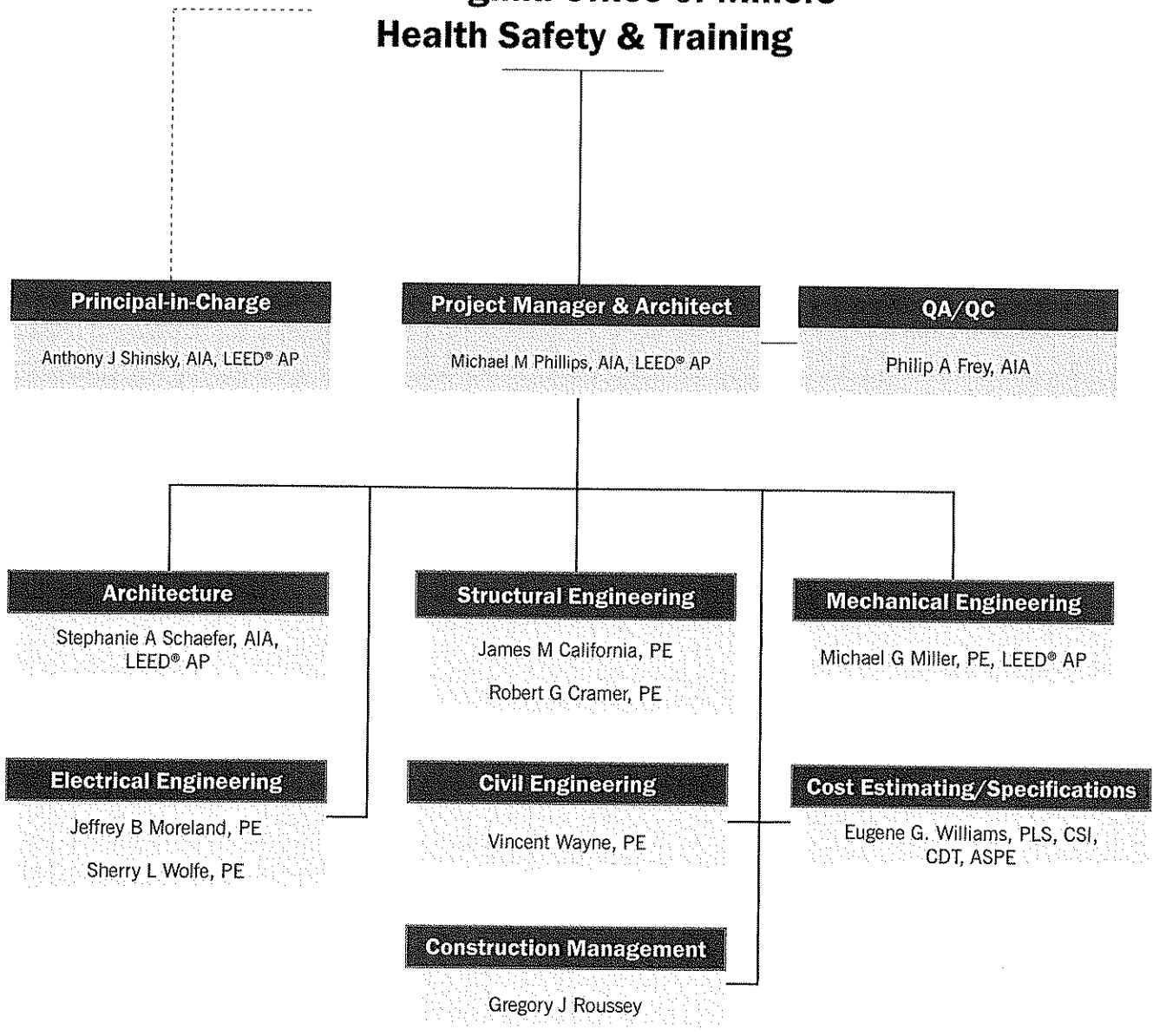


Transportation Engineering

Our Transportation Division offers a full range of transportation-related experience including:

- Airport Design
- Bridge Design and Inspection
- Dam Design and Inspection
- Flood Studies
- Highway Design
- Railroad and Railroad Bridge Design
- Site Grading, Drainage, Stormwater
- Traffic Studies

West Virginia Office of Miners' Health Safety & Training



Michael M Phillips, AIA, LEED® AP

Project Manager & Architect

Education:

Bachelor of Architecture/
Architecture

Registrations/Certifications:

Registered Architect
LEED 2.0® Accredited Professional

Years of Experience:

22

Professional Affiliations:

American Institute of Architects/
West Virginia Chapter
National Council of Architectural
Registration Boards

With a diverse background in project scale, type, and style, Mr. Phillips has a strong record of successfully working with and integrating existing facilities into new designs and programs. His knowledge and experience gained from a strong background and practice in historic preservation and renovation bring a keen insight into dealing with the issues of adaptive re-use and the recycling of existing built elements. This wide-ranging experience has also helped fashion a working knowledge of resilient, lasting designs, structurally, functionally, and pragmatically as well as aesthetically. Mr. Phillips has also given his time, talent, knowledge, and leadership skills to the community by being a founding tutor, board member, and past Vice President of PRO-Kids, Inc., a non-profit tutoring organization for disadvantaged children. He also was a founding board member, Vice President, and past President of the Greater Kanawha Community and Economic Development, a non-profit corporation dedicated to renovating affordable housing. Mr. Phillips currently serves as Chairman of Mainstreet Ripley's design committee, volunteering in their efforts as well as spearheading their recent streetscape program.

New Research Support Building and Yard, Canaan Valley Institute, Davis, WV. Project Manager responsible for design of an approximate 4,400 square foot, one story research support building and an approximate 1.5 acre fenced storage yard.

Elkins Maintenance Facility, WVDOT, Randolph County, WV. Project Manager responsible for study, design, and preparation of contract plans and related documents for the construction of the Division of Highways' District 8 Equipment Shop Building located on US 219 north of Elkins.

Bus Service Facility Additions and Alterations, Tri-State Transit Authority, Huntington, WV. Project Manager responsible for design of 25-foot by 125-foot (3,125 ft²) addition to the north end of the Tri-State Transit Authority's Bus Service Facility, to serve as bus storage area, including an integrated security system, and various repairs and replacements for aging building elements.

Aircraft Systems Maintenance Hangar Repair and Renovation, Building 304, Pennsylvania Air National Guard/171st Air Refueling Wing, Coraopolis, PA. Senior Architect responsible for repairs and renovations to Building 304, a dual-use aircraft systems maintenance hangar, including extensive interior and exterior repairs, creation of new office and tire shop, electrical and lighting upgrades, floor drains, ventilation and air breathing systems, and heating system modifications.

Combat Arms Training Simulator and Combat Arms Training and Maintenance Facility Design, Pennsylvania Air National Guard/171st ARW, Coraopolis, PA. Senior Architect responsible for conceptual through 100% design for a 2,800 square foot Combat Arms Training Simulator (CATS) and Combat Arms Training and Maintenance (CATM) facility including administrative offices, classrooms, and maintenance and storage areas.

Squadron Operations Building 107 Repair, Pennsylvania Air National Guard/171st ARW, Coraopolis, PA. Project Manager responsible for field investigation and design for repair (by replacement) of HVAC systems, installation of a wet pipe sprinkler system in the facility, replacement of the domestic hot water heater, repair of select exterior features of the building (including roof replacement), renovation of select interior spaces, and modification of the electrical system for emergency power operations.

RESUME

Michael M Phillips, AIA, LEED® AP

Kanawha County Judicial Annex Renovations, Charleston, WV. Project Manager and Project Architect responsible for design and coordination of disciplines from preliminary documents through and including construction administration for renovation of seven-story courtroom facility and office annex including new floor plans of 93,000 square feet. Modernization includes accessible features, elevators, and technology and security systems.

Transportation Security Administration Offices, Yeager Airport, Charleston, WV. Project Manager responsible for design services for secure administrative offices for the Central West Virginia Regional Airport Authority. The office accommodates the Transportation Security Administration, a division of the U.S. Department of Homeland Security, which is responsible for airport baggage screening.

Investigation and Proposed Modifications to State Capitol Parking Facility, Charleston, WV. Project Manager responsible for repair/refurbishment investigation services on prestressed concrete structure, preparation of proposals for upgrades to fire detection and protection systems, and preparation of a repair guidance document with order of magnitude costs.

Huse Memorial Park Administration/Maintenance Facility, Town of Fayetteville, WV. Project Manager responsible for design of improvements to Huse Memorial Park, including a new 300-400-crypt mausoleum, a new maintenance building, office building, and other landscaping improvements. Phase II may include a second mausoleum, the size of which has yet to be determined.

Old Main Auditorium Renovation, Marshall University, Huntington, WV. Project Manager responsible for renovations to auditorium, including infilling abandoned auditorium with new administrative office space and rest rooms.

Anthony J Shinsky, AIA, LEED® AP

Principal-in-Charge

Education:

Bachelor of Architecture/
Architecture

Registrations/Certifications:

Registered Architect
LEED 2.0® Accredited Professional

Years of Experience:

21

Professional Affiliations:

American Institute of Architects
National Council of Architectural
Registration Boards
Pennsylvania Society of Architects/
Central Pennsylvania Chapter
Society of American Military
Engineers

With more than 20 years in the Architectural and Construction fields, Mr. Shinsky's experience includes managing multi-discipline projects and personnel. His responsibilities have included facilities management, architectural firm and project management, architectural designer, technical oversight and coordination, quality review, and construction administration.

As the Principal-in-Charge on this project, Mr. Shinsky will meet regularly with the Project Manager to monitor schedules and budgets. He will also periodically contact you to confirm that you are satisfied with the progress being made and with our performance throughout the course of this project. As Buchart Horn's Vice President of the Facilities Division, Mr. Shinsky is available to discuss any aspect of this project with you at your request. In addition, he will review project performance reports prepared by the QA/QC Officer and coordinate with Project Manager and QA/QC Officer any action to be taken to maintain excellent performance standards.

PennDOT Maintenance Facility, PA DGS, Bucks County, PA. Principal-in-Charge responsible for cost estimating and constructability review services in preparation for construction of a new PennDOT county maintenance facility.

Combined Army National Guard Readiness Center, PA DGS/PA Army National Guard, Waynesburg, PA. Principal-in-Charge responsible for design, bidding, and administration and review of construction phase services for the construction of a combined 38,000 square foot Readiness Center for the Pennsylvania Army National Guard.

York County Emergency Operations Center, York, PA. Project Manager and Architect responsible for this 40,000 sq. ft. (est.), \$16 million facility in Springettsbury Township, York County, Pennsylvania. Project includes emergency call center, emergency operations center, emergency response and HazMat vehicle garage, training facilities, and administrative offices and support spaces.

South Central Emergency Medical Central Office and Ambulance Garage, Lebanon, PA. Lead Architect responsible for this 4,200 sq. ft. (est.), \$1.5 million new construction ambulance response and services center. Project includes four-vehicle ambulance garage, staff training area, and administrative offices.

Municipal Complex Design and Adaptive Reuse, Township of Derry, Hershey, PA. Principal-in-Charge responsible for adaptive reuse of three structures, approximately 33,100 square feet, and construction of approximately 44,000 square feet of new space to consolidate the Township's Administrative Offices, Police Department, Emergency Management Agency and Tax Collection Association.

Architectural Review of Behney Motors Property, Borough of Middletown, PA. Principal-in-Charge responsible for professional services for architectural design and/or construction management to renovate former 8,484 square foot property as Borough Maintenance Facility.

Office Complex Renovation, Mechanical, Electrical, and Plumbing Services, L.D. Astorino & Associates, PA. Principal-in-Charge responsible for renovation of office complex including new workstations, flooring, walls, ceiling, power, lighting, and installation of new air handling units, as well as new VAV/perimeter fan powered boxes, ductwork distribution, diffusers, and ATC controls.

RESUME

Anthony J Shinsky, AIA, LEED® AP

Trexler Nature Preserve "Green" Environmental Center, Lehigh County, Allentown, PA. Principal-in-Charge responsible for architectural and engineering services for design, specification, and construction of a 3000-ft² sustainably designed environmental center.

Science Laboratory Renovations at Bachmann Main Building, Spiegle Architectural Group/Neumann College, Aston, PA. Principal-in-Charge responsible for mechanical, electrical and plumbing services for programming/feasibility, schematic design, design and bidding, and contract administration and project close out phases.

PA State System of Higher Education, Dixon University Center, A/E Services for Combined Cadaver and Physical Diagnostics Lab, Harrisburg, PA. Principal-in-Charge responsible for renovation of Room 203 in Richards Hall to provide a combined cadaver and physical diagnostics laboratory.

Central WV Regional Airport Authority, Terminal Renovations at Yeager Airport, Charleston, WV. Principal-in-Charge responsible for design and construction services for various improvements to the Terminal Building and other landside facilities at Yeager Airport, including a new baggage carousel, flooring and restroom upgrades, a new canopy covering the entrance area to the airport, and a new covered, elevated walkway connecting the terminal to the parking building.

Philip A Frey, AIA

Quality Assurance/Quality Control

RESUME

Philip A Frey, AIA

Education:

Bachelor of Architecture/
Architecture

Registrations/Certifications:

Registered Architect

Years of Experience:

31

Professional Affiliations:

American Institute of Architects

Mr. Frey's responsibilities include providing the project design team leadership with coordination meetings, reports and communications through all phases of architectural services - feasibility and planning, schematic design, design development, construction documents, bidding, and construction contract administration.

Recent major work includes:

- Upper Allen Township - 52,000 SF add/renov police, EMS, highway dept., gov. offices.
- Lower Paxton Township Municipal Building - 53,000 SF administration, police dept.
- Hershey High School - 22 classroom addition, locker room & adaptive gym.
- Morrisville K-12 - new 160,000 SF, 1000 students, Green Globes rated by GBI.
- Coudersport Elementary & Stadium - elem. adds & alts, new track, field house, stands.
- Wellsboro High School II - 60,000 SF complete renovation, auditorium, gym, DAO.
- Harrisburg School District - (4) K-8 Schools, major additions & renovations to Foose, Ben Franklin, Lincoln, and Downey Schools, gyms, cafeterias, kitchens, libraries, computer labs, music rooms, auditoriums.
- Central Dauphin School District - Chamber Hill, Paxtonia, Southside Elementary, major additions and renovations, ADA implementation, and full systems retrofit.
- West Shore School District - Admin. 60,000 SF renov., 120,000 SF new Middle School.
- Elizabethtown College - High Library, Zug Memorial Hall - Owner's Architectural Rep.
- West Shore YMCA - new addition for swimming pool, aerobics, weights, improvements.
- Northern Potter Children's School - 30,000 SF additions for gym, classrooms, admin.
- Other Projects: 5 nursing home additions; 3 assisted living 66 bed facilities; 3 churches & master plans; 3 dentist offices; chemotherapy center; 1 firehouse; 3 office buildings; 2 car dealerships; Days Inn Hershey; 3 banks; computer server facility.

Stephanie A Schaefer, AIA, LEED® AP

Architect

RESUME

Stephanie A Schaefer, AIA, LEED® AP

Education:

Bachelor of Architecture/
Architecture

Graduate Coursework/Architecture

Registrations/Certifications:

Registered Architect

LEED 2.0® Accredited Professional

Years of Experience:

25

Professional Affiliations:

American Institute of Architects

Council of Educational Facility
Planners International

County Engineers Association of
Maryland

National Council of Architectural
Registration Boards

Society of American Military
Engineers/Baltimore Post/Alternate
Member

Ms. Schaefer has 25 years of diverse experience in the field of architecture. She is responsible for managing projects as well as coordinating design teams. Her abilities encompass all phases of architecture from feasibility studies and conceptual design through the production of construction documents and construction administration.

PennDOT Maintenance Facility, PA DGS, Bucks County, PA. Cost estimating and constructability review services in preparation for construction of a new PennDOT county maintenance facility.

Mail Equipment Shop Renovations, US Postal Service, Washington, DC. Project Manager responsible for renovations to consolidate functions currently spread over three floors of the building to one floor so that materials flow through the building in a logical manner, matching fabrication and assembly.

Building 4311 Renovation Design and Construction Phase Services, Odyssey International/Aberdeen Proving Ground, MD. Project Manager responsible for architectural, mechanical, electrical, plumbing, and fire protection design services including construction documents to Odyssey International for the renovation of Building 4311 (conversion of a mess hall to office space), and construction phase services including as-built documents, site visits throughout construction, and RFI consultation.

Sixth Medical Logistics Management Center (6MLMC) Company Operations Facility Design/Build, Odyssey International/Fort Detrick, MD. Project Manager responsible for architectural design, including interior space planning, structural, mechanical/HVAC, fire sprinkler and networked alarm system, electrical/security/communications, and land development and permitting services for the 4,464 ft² 6MLMC Supplementary Company Operations Building.

Maintenance Shop and Office Renovations, Franklin Street Yard, City of Baltimore, MD. Project Manager responsible for interior and exterior renovations and improvements to a maintenance shop and an administration office, including upgrade to ADA compliance, space reconfiguration, and expansion of employee amenities.

Montebello Maintenance Shop and Storage Building, City of Baltimore, MD. Project Manager responsible for providing schematic and design development drawings of new 24,000-s.f. maintenance and parts storage facility at the Montebello Water Treatment Plant.

Patapsco WWTP Storage Shed Addition, City of Baltimore, MD. Operation study and design services including renovation of 10,000-square-foot maintenance facility and addition of new 10,000-square-foot facility.

Building Code Compliance Review, Anacostia Depot, Washington Suburban Sanitary Commission, Laurel, MD. Reviewed the proposed Break Room/Conference Room location in the Shop Building, and determined any noncompliant code issues. Reviewed the floor plans for proposed systems furniture layout in the Warehouse, and determined any noncompliant code issues.


Montgomery County Police Vehicle Recovery Facility, Gaithersburg, MD. Architectural, mechanical, electrical, geotechnical, structural, civil, cost estimating, specifications, and surveying services for design of a new multi-service facility including a two-story police office building, a four-bay garage, and additional flat parking on a 10-acre site.

Carroll County Building Design Services, Westminster, MD. Project Architect responsible under an open-end contract for three projects: the courthouse, the fire training facility, and the nature center.

Regional Forensic Center, Memphis/Shelby County, TN. Design of a new Regional Forensic Center housing both technical and administrative functions, replacing the existing facility which was undersized and outdated.



RESUME



Stephanie A Schaefer, AIA, LEED® AP

James M California, PE

Structural Engineer

Education:

Bachelor of Architectural
Engineering/Structural Engineering

Registrations/Certifications:

Professional Engineer

Years of Experience:

28

Professional Affiliations:

American Institute of Steel
Construction

Mr. California is a Senior Structural Engineer and has extensive experience in structural building design on various government, industrial, commercial, municipal, and educational projects; field investigation and evaluation of existing structures; technical report preparation; shop drawing review; and technical support during construction. He has also designed various tanks, towers, equipment supports, and foundations.

New Research Support Building and Yard, Canaan Valley Institute, Davis, WV. Design of an approximate 4,400 square foot, one story research support building and an approximate 1.5 acre fenced storage yard.

Elkins Maintenance Facility, WVDOT, Randolph County, WV. Study, design, and preparation of contract plans and related documents for the construction of the Division of Highways' District 8 Equipment Shop Building located on US 219 north of Elkins.

Testing Lab/Maintenance Facility Design, WVDOT, Charleston, WV. Project Engineer responsible for structural design of a one story steel frame testing laboratory.

Bus Service Facility Additions and Alterations, Tri-State Transit Authority, Huntington, WV. Design of 25-foot by 125-foot (3,125 ft²) addition to the north end of the Tri-State Transit Authority's Bus Service Facility, to serve as bus storage area, including an integrated security system, and various repairs and replacements for aging building elements.

Drovers Bank Research and Administration Center, Design and Construction Services, York, PA. Senior Structural Engineer responsible for structural design of 36,000 square foot, three-story steel frame office building.

Rudy Park Maintenance Facility, County Commissioners of York County, PA. Design of a 28,800 square foot pre-engineered maintenance facility housing offices, toolroom, vehicle maintenance, wood shop, sign room, and vehicle, seasonal and miscellaneous storage.

New Maintenance Garage, New Emergency Services Building, and Municipal Building Renovations, Hampden Township, PA. A/E services for improvement of municipal facilities including design and construction of Emergency Services Building North and Vehicle Maintenance Facility for the Highway Department, as well as redistribution of occupancies of Township Offices, Recreation Department, and Police Station.

Bio-Waste Lab Room 113, Agricultural Engineering Building Renovation, The Pennsylvania State University, University Park, PA. Renovation of 2,000 square foot garage/storage space in the Agricultural Engineering Building for use as a new Bio-Waste Laboratory.

Old Main Auditorium Renovation, Marshall University, Huntington, WV. Renovations to auditorium, including infilling abandoned auditorium with new administrative office space and rest rooms.

Kanawha County Judicial Annex Renovations, Charleston, WV. A/E services for comprehensive redesign of seven-story courtroom facility and office annex including new floor plans of 93,000 square feet. Modernization includes accessible features, elevators, and technology and security systems.

Transportation Security Administration Offices, Yeager Airport, Charleston, WV. Design services for secure administrative offices for

RESUME

James M California, PE

the Central West Virginia Regional Airport Authority. The office accommodates the Transportation Security Administration, a division of the U.S. Department of Homeland Security, which is responsible for airport baggage screening.

Investigation and Proposed Modifications to State Capitol Parking Facility, Charleston, WV. Repair/refurbishment investigation services on prestressed concrete structure, preparation of proposals for upgrades to fire detection and protection systems, and preparation of a repair guidance document with order of magnitude costs.

Huse Memorial Park Administration/Maintenance Facility, Town of Fayetteville, WV. Buchart Horn provided services for the design of improvements to Huse Memorial Park, including a new 300-400-crypt mausoleum, a new maintenance building, office building, and other landscaping improvements. Phase II may include a second mausoleum, the size of which has yet to be determined.

Montebello Maintenance Shop and Storage Building, City of Baltimore, MD. New 24,000-s.f. maintenance and parts storage facility at the Montebello Water Treatment Plant.

Montgomery County Police Vehicle Recovery Facility, Gaithersburg, MD. Architectural, mechanical, electrical, geotechnical, structural, civil, cost estimating, specifications, and surveying services for design of a new multi-service facility including a two-story police office building, a four-bay garage, and additional flat parking on a 10-acre site.

Regional Forensic Center, Memphis/Shelby County, TN. Design of a new Regional Forensic Center housing both technical and administrative functions, replacing the existing facility which was undersized and outdated.

Robert G Cramer, PE

Structural Engineer

RESUME

Robert G Cramer, PE

Education:

Bachelor of Science/Civil
Engineering

Master of Business Administration/
Business Administration

Registrations/Certifications:

Professional Engineer

Years of Experience:

19

Professional Affiliations:

American Institute of Steel
Construction

American Society of Civil Engineers

Mr. Cramer has more than 15 years of experience in structural engineering design and project management for municipal, industrial, and institutional facilities. He has extensive experience on design-build projects both as a design engineer and project manager.

New Research Support Building and Yard, Canaan Valley Institute, Davis, WV. Design of an approximate 4,400 square foot, one story research support building and an approximate 1.5 acre fenced storage yard.

Elkins Maintenance Facility, WVDOT, Randolph County, WV. Study, design, and preparation of contract plans and related documents for the construction of the Division of Highways' District 8 Equipment Shop Building located on US 219 north of Elkins.

Mail Equipment Shop Renovations, US Postal Service, Washington, DC. Renovations to consolidate functions currently spread over three floors of the building to one floor so that materials flow through the building in a logical manner, matching fabrication and assembly.

Aircraft Systems Maintenance Hangar Repair and Renovation, Building 304, Pennsylvania Air National Guard/171st Air Refueling Wing, Coraopolis, PA. Repairs and renovations to Building 304, a dual-use aircraft systems maintenance hangar, including extensive interior and exterior repairs, creation of new office and tire shop, electrical and lighting upgrades, floor drains, ventilation and air breathing systems, and heating system modifications.

Mission Support Training Facility Design, USPFO for PA/Ft. Indiantown Gap, Annville, PA. Complete A/E design for a \$4 million, 24,000-ft² C4I Training Facility for the National Guard's only Stryker Brigade. The facility, which is certified for the "Gold" level of USACE Sustainable Project Rating Tool (SPiRiT) certification, serves as the command and control training facility centerpiece for the 28th Division's Stryker Brigade Combat Team.

Unmanned Aerial Vehicle Runway and Maintenance/Training Facility Design, USPFO for PA/Ft. Indiantown Gap, Annville, PA. Design of 50' x 700' runway and supporting 5,600 square foot training and maintenance facility to conduct Unmanned Aerial Vehicle (UAV) flight and training operations.

Stryker Battalion Training Complex, USPFO for PA, Ft. Indiantown Gap, Annville, PA. Preliminary design of a \$21 million training complex including billeting, storage, maintenance, and administrative facilities. The complex was designed to meet USACE SPiRiT sustainable goals.

New Snyder County Maintenance Garage, PA DGS/PennDOT, Selinsgrove, PA. Design of new 20,480 square foot pre-engineered maintenance garage for PennDOT's entire Snyder County vehicle fleet ("Stockpile 01").

Combined Army National Guard Readiness Center, PA DGS/PA Army National Guard, Waynesburg, PA. Design, bidding, and administration and review of construction phase services for the construction of a combined 38,000 square foot Readiness Center for the Pennsylvania Army National Guard.

Municipal Complex Design and Adaptive Reuse, Township of Derry, Hershey, PA. Adaptive reuse of three structures, approximately 33,100 square feet, and construction of approximately 44,000 square feet of new space to consolidate the

Township's Administrative Offices, Police Department, Emergency Management Agency and Tax Collection Association.

New Maintenance Garage, New Emergency Services Building, and Municipal Building Renovations, Hampden Township, PA. Project Manager responsible for A/E services for improvement of municipal facilities including design and construction of Emergency Services Building North and Vehicle Maintenance Facility for the Highway Department, as well as redistribution of occupancies of Township Offices, Recreation Department, and Police Station.

Municipal Services Center, Lower Allen Township, Camp Hill, PA. Buchart Horn designed a new 45,990 square foot municipal complex to house Township's administrative offices and emergency services agencies including the police department, emergency medical services, and Lower Allen Fire Company.

Trexler Nature Preserve "Green" Environmental Center, Lehigh County, Allentown, PA. Architectural and engineering services for design, specification, and construction of a 3000-ft² sustainably designed environmental center.

Bio-Waste Lab Room 113, Agricultural Engineering Building Renovation, The Pennsylvania State University, University Park, PA. Renovation of 2,000 square foot garage/storage space in the Agricultural Engineering Building for use as a new Bio-Waste Laboratory.

Montgomery County Police Vehicle Recovery Facility, Gaithersburg, MD. Architectural, mechanical, electrical, geotechnical, structural, civil, cost estimating, specifications, and surveying services for design of a new multi-service facility including a two-story police office building, a four-bay garage, and additional flat parking on a 10-acre site.

Michael G Miller, PE, LEED® AP

Mechanical Engineer

RESUME

Michael G Miller, PE, LEED® AP

Education:

AS/Engineering

Registrations/Certifications:

Professional Engineer

LEED 2.0® Accredited Professional

Years of Experience:

39

Professional Affiliations:

American Society of Heating,
Refrigeration and Air-Conditioning
Engine

American Society of Plumbing
Engineers

National Fire Protection Association

US Green Building Council

Mr. Miller is responsible for overall design and quality control of mechanical engineering projects. In choosing economical and innovative plumbing, fire protection, and HVAC systems, Mr. Miller evaluates practicality of operation and application; energy conservation; compliance to building code, safety, and health issues; hygienic practice; energy reclamation devices and procedures; and estimates economical construction, maintenance, and operating costs for life cycle value engineering analyses. He generates computer load-modeling to accurately project value and feasibility of conservation alternatives. As Director of Buchart Horn's Mechanical Group, Mr. Miller oversees quality control checking of mechanical calculations, equipment and distribution systems, drawings and specifications for conformance to orthodox industry standards and prudent engineering procedures.

Testing Lab/Maintenance Facility Design, WVDOT, Charleston, WV. New complex comprised of 43,260 square foot materials control, soil and testing lab, 21,645 square foot sign shop, and 14,072 square foot operations building as well as final plans for roadway and site development.

New Snyder County Maintenance Garage, PA DGS/PennDOT, Selinsgrove, PA. Design of new 20,480 square foot pre-engineered maintenance garage for PennDOT's entire Snyder County vehicle fleet ("Stockpile 01").

PennDOT Maintenance Facility, PA DGS, Bucks County, PA. Cost estimating and constructability review services in preparation for construction of new PennDOT county maintenance facility.

Drovers Bank Research and Administration Center, Design and Construction Services, York, PA. Master plan development, preliminary performance design, final design, and construction.

Mission Support Training Facility Design, USPFO for PA/Ft. Indiantown Gap, Annville, PA. Senior Mechanical Engineer responsible for QA/QC of all mechanical systems and Design Chief for all LEED-related elements to construct \$4 million, 24,000-ft² C4I Training Facility for National Guard's only Stryker Brigade. Facility, which is certified for "Gold" level of USACE Sustainable Project Rating Tool (SPiRiT) certification, serves as command and control training facility centerpiece for 28th Division's Stryker Brigade Combat Team.

Stryker Battalion Training Complex, USPFO for PA, Ft. Indiantown Gap, Annville, PA. Preliminary design of \$21 million training complex including billeting, storage, maintenance, and administrative facilities. Complex was designed to meet USACE SPiRiT sustainable goals.

Aircraft Systems Maintenance Hangar Repair and Renovation, Building 304, Pennsylvania Air National Guard/171st Air Refueling Wing, Coraopolis, PA. Repairs and renovations to Building 304, dual-use aircraft systems maintenance hangar, including extensive interior and exterior repairs, creation of new office and tire shop, electrical and lighting upgrades, floor drains, ventilation and air breathing systems, and heating system modifications.

Squadron Operations Building 107 Repair, Pennsylvania Air National Guard/171st ARW, Coraopolis, PA. Field investigation and design for repair (by replacement) of HVAC systems, installation of wet pipe sprinkler system in facility, replacement of domestic hot water heater, repair of select exterior features of building (including roof replacement), renovation of select interior spaces, and electrical system modification for emergency power operations.

Combined Army National Guard Readiness Center, PA DGS/PA Army National Guard, Waynesburg, PA. Design, bidding, and administration and review of construction phase services for construction of combined 38,000 square foot Readiness Center for Pennsylvania Army National Guard.

Municipal Complex Design and Adaptive Reuse, Township of Derry, Hershey, PA. Adaptive reuse of three structures, approximately 33,100 square feet, and construction of approximately 44,000 square feet of new space to consolidate Township's Administrative Offices, Police Department, Emergency Management Agency and Tax Collection Association.

Public Works Center and Materials Recycling Facility Planning and Design, Township of Derry, Hershey, PA. Design and construction administration of Public Works Facility including office, storage, recycle, and maintenance facilities for Township's Public Works staff and operations.

Municipal Services Center, Lower Allen Township, Camp Hill, PA. Buchart Horn designed new 45,990 square foot municipal complex to house Township's administrative offices and emergency services agencies including police department, emergency medical services, and Lower Allen Fire Company.

New Maintenance Garage, New Emergency Services Building, and Municipal Building Renovations, Hampden Township, PA. A/E services for improvement of municipal facilities including design and construction of Emergency Services Building North and Vehicle Maintenance Facility for Highway Department, as well as redistribution of occupancies of Township Offices, Recreation Department, and Police Station.

Rudy Park Maintenance Facility, County Commissioners of York County, PA. Design of 28,800 square foot pre-engineered maintenance facility housing offices, toolroom, vehicle maintenance, wood shop, sign room, and vehicle, seasonal and miscellaneous storage.

Bio-Waste Lab Room 113, Agricultural Engineering Building Renovation, The Pennsylvania State University, University Park, PA. Renovation of 2,000 square foot garage/storage space in Agricultural Engineering Building for use as new Bio-Waste Laboratory.

Science Laboratory Renovations at Bachmann Main Building, Spiegle Architectural Group/Neumann College, Aston, PA. Project Manager responsible for mechanical, electrical and plumbing services for programming/feasibility, schematic design, design and bidding, and contract administration and project close out phases.

Kanawha County Judicial Annex Renovations, Charleston, WV. A/E services for comprehensive redesign of seven-story courtroom facility and office annex including new floor plans of 93,000 square feet.

Montgomery County Police Vehicle Recovery Facility, Gaithersburg, MD. Architectural, mechanical, electrical, geotechnical, structural, civil, cost estimating, specifications, and surveying services for design of new multi-service facility including two-story police office building, four-bay garage, and additional flat parking on 10-acre site.

Sixth Medical Logistics Management Center (6MLMC) Company Operations Facility Design/Build, Odyssey International/Fort Detrick, MD. Architectural design, including interior space planning, structural, mechanical/HVAC, fire sprinkler and networked alarm system, electrical/security/communications, and land development and permitting services for 4,464 ft² 6MLMC Supplementary Company Operations Building.

Jeffrey B Moreland, PE

Electrical Engineer

RESUME

Jeffrey B Moreland, PE

Education:

MS/Electrical Engineering
Bachelor of Science/Electrical Engineering

Mr. Moreland is an Electrical Engineer with a solid background in process control and signal processing including a 25-year record of achievement in applying new and innovative technologies. His broad business experience, having operated his own multi-million dollar business as well as large capital projects for a Fortune 500 manufacturing company, ranges from applied R&D, software design, IT and operations management to a variety of electrical design and project management functions.

Registrations/Certifications:

Professional Engineer

Elkins Maintenance Facility, WVDOT, Randolph County, WV. Study, design, and preparation of contract plans and related documents for the construction of the Division of Highways' District 8 Equipment Shop Building located on US 219 north of Elkins.

Years of Experience:

25

New Research Support Building and Yard, Canaan Valley Institute, Davis, WV. Lead Electrical Engineer responsible for design of lighting and power systems for an approximate 4,400 square foot, one story research support building and an approximate 1.5 acre fenced storage yard.

Professional Affiliations:

Association of Energy Engineers
Association of Iron and Steel Engineers
Institute for Electrical and Electronic Engineers/Control Systems, Instrumentation and Measurement, and Digital Signal Processing Societies
National Council of Examiners for Engineering and Surveying
Sigma Xi Scientific Research Society

Bus Service Facility Additions and Alterations, Tri-State Transit Authority, Huntington, WV. Lead Electrical Engineer responsible for design of lighting, power, standby generation, fire alarm and security systems for a 25-foot by 125-foot (3,125 ft²) addition to the north end of the Tri-State Transit Authority's Bus Service Facility, to serve as bus storage area.

Aircraft Systems Maintenance Hangar Repair and Renovation, Building 304, Pennsylvania Air National Guard/171st Air Refueling Wing, Coraopolis, PA. Lead Electrical Engineer responsible for design of lighting, power, emergency and standby generation, telecommunications, fire alarm, CATV, and intrusion detection systems to repair and renovate Building 304, a dual-use aircraft systems maintenance hangar.

Combat Arms Training Simulator and Combat Arms Training and Maintenance Facility Design, Pennsylvania Air National Guard/171st ARW, Coraopolis, PA. Lead Electrical Engineer responsible for design of lighting, power, emergency and standby generation, telecommunications, fire alarm, CATV, and intrusion detection systems for a 2,800 square foot Combat Arms Training Simulator (CATS) and Combat Arms Training and Maintenance (CATM) facility including administrative offices, classrooms, and maintenance and storage areas.

Squadron Operations Building 107 Repair, Pennsylvania Air National Guard/171st ARW, Coraopolis, PA. Field investigation and design for repair (by replacement) of HVAC systems, installation of a wet pipe sprinkler system in the facility, replacement of the domestic hot water heater, repair of select exterior features of the building (including roof replacement), renovation of select interior spaces, and modification of the electrical system for emergency power operations.

Combined Army National Guard Readiness Center, PA DGS/PA Army National Guard, Waynesburg, PA. Lead Electrical Engineer responsible for design of lighting, power, emergency and standby generation, telecommunications, fire alarm, CATV, and intrusion detection systems for a combined 38,000 square foot Readiness Center for the Pennsylvania Army National Guard.

Investigation and Proposed Modifications to State Capitol Parking Facility, Charleston, WV. Repair/refurbishment investigation services on prestressed concrete structure, preparation of proposals for upgrades to fire detection and protection systems, and

preparation of a repair guidance document with order of magnitude costs.

Central WV Regional Airport Authority, Terminal Renovations at Yeager Airport, Charleston, WV. Design and construction services for various improvements to the Terminal Building and other landside facilities at Yeager Airport, including a new baggage carousel, flooring and restroom upgrades, a new canopy covering the entrance area to the airport, and a new covered, elevated walkway connecting the terminal to the parking building.

Huse Memorial Park Administration/Maintenance Facility, Town of Fayetteville, WV. Lead Electrical Engineer responsible for design of lighting and power systems for improvements to Huse Memorial Park, including a new 300-400-crypt mausoleum, a new maintenance building, office building, and other landscaping improvements. Phase II may include a second mausoleum, the size of which has yet to be determined.

New Fire Station, City of Picayune, MS. Complete design of a new two-story fire station, including architecture and structural, mechanical, plumbing, and electrical engineering.

Sherry L Wolfe, PE

Electrical Engineer

RESUME

Sherry L Wolfe, PE

Education:

Bachelor of Science/Electrical
Engineering Technology

Registrations/Certifications:

Professional Engineer
Microsoft Certified Professional

Years of Experience:

27

Professional Affiliations:

National Council of Examiners for
Engineering and Surveying

As Director of Buchart Horn's Electrical Engineering Group, Ms. Wolfe provides administrative control of multi-discipline projects and coordinates architectural/engineering activities. Her more than 25 years of experience in industrial and facilities electrical engineering include lighting, electrical service, power distribution, emergency generator, instrumentation, process control, special systems design, project management, field commissioning, and management of personnel.

Retainer Services for Water Projects, West Manchester Township Authority, York, PA. Retainer services for design of small scale water projects, including water main replacements, permitting, and review of proposed designs, as well as several larger projects of note, including the design of a groundwater well for public supply, a vulnerability assessment, and a security upgrade study.

Grantley Road Treatment Plant Sedimentation Basin and Residuals Handling, The York Water Company, PA. Design for installation of inclined plate settlers, vacuum sludge collection system, backwash basins and residuals handling facility at the water treatment plant.

Mount Pocono Well, Pump Station and Treatment Facility Design, Pennsylvania American Water, Monroe County, PA. Design, bidding, permitting and construction services for the construction of a prefabricated 150 gpm well house, disinfection system and related piping.

Wastewater Treatment Plant Upgrade and Expansion, Gettysburg Municipal Authority, PA. Design of improvements to upgrade treatment to meet effluent requirements of the Chesapeake Bay Tributary Strategy and to expand capacity to 3.45 MGD as described in the Act 537 Sewage Facilities Plan.

Sewage Facilities Improvements, East Berlin Borough, PA. Design of two trunk sewers and improvements to treatment facilities to increase treatment capacity to 0.243 MGD as described in January 2007 Act 537 Plan.

Wastewater Treatment Plant Upgrade, Dover Township Sewer Authority, PA. Professional engineering services for the design of improvements to the facilities to upgrade treatment to meet the effluent requirements of the Commonwealth of Pennsylvania's Chesapeake Bay Tributary Strategy. Included inspection and construction phase services.

BNR Improvements, Springettsbury Township Wastewater Treatment Plant, York, PA. Design of a Biological Nutrient Removal (BNR) upgrade of the existing treatment plant in order to comply with the proposed effluent nutrient limits required by the Chesapeake Bay Strategy.

Sewage Facilities Expansion Design, Bonneauville Borough Municipal Authority, PA. Design, preparation of contract documents, and bidding services for expansion of the wastewater treatment plant to 0.55 mgd capacity and replacement of selected collection system piping.

PA State System of Higher Education, North Campus Central Geothermal Well Feasibility Study, West Chester University, PA. Feasibility study and development of standards for construction of a campus geothermal well/distribution loop.

PA State System of Higher Education, North Campus Expandable Geothermal Pump House and Library Distribution Piping Network Design Phase B, West Chester University, PA. Architectural,

structural, mechanical, electrical and civil design of the pump house building including geothermal process equipment.

Mechanical, Electrical and Plumbing Engineering Services for New Intermediate School, Dallastown Area School District, Springfield Township, PA. Senior Electrical Engineer responsible for all calculations and design of electrical service, power distribution, exterior and interior lighting, and special systems.

Energy Management Control System Design, USACE/Defense Distribution Depot, Susquehanna, New Cumberland, PA. Preparation of contract documents for expansion of current energy management control system into a Depot-wide system for water, wastewater, electric, and natural gas.

Entry Control Gates and Cantonment Fence, 193rd Special Operations Wing, PA Air National Guard/USPFO for PA, Middletown, PA. Development and design of entry control gates and a cantonment fence along a portion of the 193rd Special Operations Wing's mission aircraft parking ramp to provide complete perimeter security.

Cafeteria and Headquarters Renovation, Building 11, Tobyhanna Army Depot, PA. Design services for alterations, improvements, and kitchen equipment at the existing first floor cafeteria area located in Wing A of the Command Headquarters Facility (Building 11).

G.M. McCrossin Inc./PA DGS, Design of 128-Cell L-3 Close Security Housing Unit at State Correctional Institution, Pine Grove, Indiana County, PA. As a subconsultant, design of two-story structure of permanent masonry and concrete type construction. Energy conserving features include energy management control systems, high efficiency motors, lighting, HVAC systems and any other items necessary to achieve LEED® certification.

L-3 Housing Unit Preliminary Planning and Investigation, PA DGS, Muncy State Correctional Institute, Lycoming County, PA. Site/civil design and preparation of land development plans for one L-3 Housing Unit for 230 male inmates. Architectural, structural and MEP design for 128-cell L-4 Housing Unit for female inmates.

Administration Building and Testing Laboratory Mechanical and Electrical Equipment Upgrade Assessment, Mississippi DOT, Jackson, MS. Senior Electrical Engineer

Water System Improvements, Maryland Environmental Service, Town of La Plata, MD. Design, bidding, and construction phase services to construct a new building around existing Well No. 8, install a new booster pump, and relocate hypochlorination and flow metering equipment from the existing treatment building.

German Embassy Restorations and Modifications, Washington, DC. Buchart Horn is providing project oversight and project management for the renovation of three buildings in the German Embassy Complex in Washington, DC.

Vincent Wayne, PE

Civil Engineer

RESUME

Vincent Wayne, PE

Education:

Bachelor of Science/Civil
Engineering

AS/Architectural Engineering
Technology

Registrations/Certifications:

Professional Engineer

Years of Experience:

25

Professional Affiliations:

American Society of Civil Engineers

Mr. Wayne has 25 years of experience in the field of land development. He is responsible for managing projects as well as coordinating design teams. His abilities encompass all phases of land development, from conceptual design and final plan through production of construction documents. Mr. Wayne's experience includes site planning, designs for stormwater management, grading plans, erosion and sedimentation control plans, and site layouts.

Stryker Battalion Training Complex, USPFO for PA, Ft. Indiantown Gap, Annville, PA. Civil Engineer who assisted in development of site/civil conceptual plans for construction of a \$21 million training complex including billeting, storage, maintenance, and administrative facilities. The complex was designed to meet USACE SPiRiT sustainable goals.

Unmanned Aerial Vehicle Runway and Maintenance/Training Facility Design, USPFO for PA/Ft. Indiantown Gap, Annville, PA. Civil Engineer responsible for assisting project engineer with stormwater calculations for construction of 50' x 700' runway and supporting 5,600 square foot training and maintenance facility to conduct Unmanned Aerial Vehicle (UAV) flight and training operations.

Mission Support Training Facility Design, USPFO for PA/Ft. Indiantown Gap, Annville, PA. Civil Engineer responsible for development of site/civil plans for construction of a \$4 million, 24,000-ft² C4I Training Facility for the National Guard's only Stryker Brigade. The facility, which is certified for the "Gold" level of USACE Sustainable Project Rating Tool (SPiRiT) certification, serves as the command and control training facility centerpiece for the 28th Division's Stryker Brigade Combat Team.

Combat Arms Training Simulator and Combat Arms Training and Maintenance Facility Design, Pennsylvania Air National Guard/171st ARW, Coraopolis, PA. Conceptual through 100% design for a 2,800 square foot Combat Arms Training Simulator (CATS) and Combat Arms Training and Maintenance (CATM) facility including administrative offices, classrooms, and maintenance and storage areas.

Entry Control Gates and Cantonment Fence, 193rd Special Operations Wing, PA Air National Guard/USPFO for PA, Middletown, PA. Development and design of entry control gates and a cantonment fence along a portion of the 193rd Special Operations Wing's mission aircraft parking ramp to provide complete perimeter security.

Combined Army National Guard Readiness Center, PA DGS/PA Army National Guard, Waynesburg, PA. Design, bidding, and administration and review of construction phase services for the construction of a combined 38,000 square foot Readiness Center for the Pennsylvania Army National Guard.

Municipal Complex Design and Adaptive Reuse, Township of Derry, Hershey, PA. Adaptive reuse of three structures, approximately 33,100 square feet, and construction of approximately 44,000 square feet of new space to consolidate the Township's Administrative Offices, Police Department, Emergency Management Agency and Tax Collection Association.

Municipal Services Center, Lower Allen Township, Camp Hill, PA. Buchart Horn designed a new 45,990 square foot municipal complex to house Township's administrative offices and emergency services agencies including the police department, emergency medical services, and Lower Allen Fire Company.

New Maintenance Garage, New Emergency Services Building, and Municipal Building Renovations, Hampden Township, PA. A/E services for improvement of municipal facilities including design and construction of Emergency Services Building North and Vehicle Maintenance Facility for the Highway Department, as well as redistribution of occupancies of Township Offices, Recreation Department, and Police Station.

Rudy Park Maintenance Facility, County Commissioners of York County, PA. Senior Engineer responsible for providing land development plans for construction of a 28,800 square foot pre-engineered maintenance facility housing offices, toolroom, vehicle maintenance, wood shop, sign room, and vehicle, seasonal and miscellaneous storage.

HazMat Facility Land Development, Pennsylvania State University, State College, PA. Senior Engineer responsible for providing stormwater design and assisting with land development plans for construction of a new HazMat Facility including vehicle and equipment storage and classroom training along Big Hollow Road. This new facility was relocated approximately 1,165 feet from its location along Services Road due to construction of the new Blue Band Practice Facility.

Trexler Nature Preserve "Green" Environmental Center, Lehigh County, Allentown, PA. Architectural and engineering services for design, specification, and construction of a 3000-ft² sustainably designed environmental center.

Preparation of MS4 Application, East Caln Township, PA. Project Manager responsible for preparation of Phase II Municipal Separate Storm Sewer System (MS4) individual NPDES permit application.

Penn-Mar Ethanol Site Selection, Lancaster County, PA. Senior Engineer responsible for assisting in the site selection review for a new ethanol production plant on 57 acres in Northwest Lancaster County.

Montgomery County Police Vehicle Recovery Facility, Gaithersburg, MD. Architectural, mechanical, electrical, geotechnical, structural, civil, cost estimating, specifications, and surveying services for design of a new multi-service facility including a two-story police office building, a four-bay garage, and additional flat parking on a 10-acre site.

Eugene G Williams, PLS, CSI, CDT, ASPE

Cost Estimating/Specifications

RESUME

Eugene G Williams, PLS, CSI, CDT, ASPE

Education:

Coursework/Civil Engineering
Technology

Registrations/Certifications:

Professional Land Surveyor
American Society of Professional
Estimators
Construction Documents
Technologist
Construction Specifications Institute

Years of Experience:

43

Professional Affiliations:

American Society of Professional
Estimators
Construction Specification Institute

As Assistant Director of Specifications/Estimating Division, Mr. Williams directs and supervises the work of Specification Writers and Typists and prepares construction cost opinions relating to a variety of engineering projects. He is experienced in preparing both technical and non-technical project specifications and cost estimates from preliminary through final design phases. His experience includes generating architectural and engineering specifications as well as preparing front-end documents using AIA, EJCDC, and our own documents. Mr. Williams has also developed architectural and engineering cost estimates for numerous projects to ensure that projects remain within budget.

Testing Lab/Maintenance Facility Design, WVDOT, Charleston, WV. New complex comprised of a 43,260 square foot materials control, soil and testing lab, a 21,645 square foot sign shop, and a 14,072 square foot operations building as well as final plans for roadway and site development.

New Snyder County Maintenance Garage, PA DGS/PennDOT, Selinsgrove, PA. Design of new 20,480 square foot pre-engineered maintenance garage for PennDOT's entire Snyder County vehicle fleet ("Stockpile 01").

Capital City Airport Snow Removal Equipment Building, Susquehanna Area Regional Airport Authority, New Cumberland, PA. Architectural/Engineering Services, including preparation of contract documents, for design and construction of an Equipment Storage and Maintenance Building.

Drovers Bank Research and Administration Center, Design and Construction Services, York, PA. Responsible for development of specifications and preparation of construction cost estimates.

Stryker Battalion Training Complex, USPFO for PA, Ft. Indiantown Gap, Annville, PA. Preliminary design of a \$21 million training complex including billeting, storage, maintenance, and administrative facilities. The complex was designed to meet USACE SPiRiT sustainable goals.

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Unmanned Aerial Vehicle Runway and Maintenance/Training Facility Design, USPFO for PA/Ft. Indiantown Gap, Annville, PA. Design of 50' x 700' runway and supporting 5,600 square foot training and maintenance facility to conduct Unmanned Aerial Vehicle (UAV) flight and training operations.

Combined Army National Guard Readiness Center, PA DGS/PA Army National Guard, Waynesburg, PA. Design, bidding, and administration and review of construction phase services for the construction of a combined 38,000 square foot Readiness Center for the Pennsylvania Army National Guard.

Rudy Park Maintenance Facility, County Commissioners of York County, PA. Design of a 28,800 square foot pre-engineered maintenance facility housing offices, toolroom, vehicle maintenance, wood shop, sign room, and vehicle, seasonal and miscellaneous storage.

Architectural Review of Behney Motors Property, Borough of Middletown, PA. Professional services for architectural design and/or construction management to renovate former 8,484 square foot property as Borough Maintenance Facility.

Municipal Complex Design and Adaptive Reuse, Township of Derry, Hershey, PA. Adaptive reuse of three structures, approximately 33,100 square feet, and construction of approximately 44,000 square feet of new space to consolidate the Township's Administrative Offices, Police Department, Emergency Management Agency and Tax Collection Association.

Public Works Center and Materials Recycling Facility Planning and Design, Township of Derry, Hershey, PA. Design and construction administration of Public Works Facility including office, storage, recycle, and maintenance facilities for the Township's Public Works staff and operations.

Municipal Services Center, Lower Allen Township, Camp Hill, PA. Buchart Horn designed a new 45,990 square foot municipal complex to house Township's administrative offices and emergency services agencies including the police department, emergency medical services, and Lower Allen Fire Company.

New Maintenance Garage, New Emergency Services Building, and Municipal Building Renovations, Hampden Township, PA. A/E services for improvement of municipal facilities including design and construction of Emergency Services Building North and Vehicle Maintenance Facility for the Highway Department, as well as redistribution of occupancies of Township Offices, Recreation Department, and Police Station.

Trexler Nature Preserve "Green" Environmental Center, Lehigh County, Allentown, PA. Architectural and engineering services for design, specification, and construction of a 3000-ft² sustainably designed environmental center.

Kanawha County Judicial Annex Renovations, Charleston, WV. A/E services for comprehensive redesign of seven-story courtroom facility and office annex including new floor plans of 93,000 square feet. Modernization includes accessible features, elevators, and technology and security systems.

Transportation Security Administration Offices, Yeager Airport, Charleston, WV. Design services for secure administrative offices for the Central West Virginia Regional Airport Authority. The office accommodates the Transportation Security Administration, a division of the U.S. Department of Homeland Security, which is responsible for airport baggage screening.

Montebello Maintenance Shop and Storage Building, City of Baltimore, MD. New 24,000-s.f. maintenance and parts storage facility at the Montebello Water Treatment Plant.

Patapsco WWTP Storage Shed Addition, City of Baltimore, MD. Operation study and design services including renovation of 10,000-square-foot maintenance facility and addition of new 10,000-square-foot facility.

Montgomery County Police Vehicle Recovery Facility, Gaithersburg, MD. Architectural, mechanical, electrical, geotechnical, structural, civil, cost estimating, specifications, and surveying services for design of a new multi-service facility including a two-story police office building, a four-bay garage, and additional flat parking on a 10-acre site.

Gregory J Roussey

Construction Management

RESUME

Gregory J Roussey

Education:

MS/Business Administration

Bachelor of Science/Business
Administration - Economics

Registrations/Certifications:

OSHA 40-Hour Hazardous Waste
Operations & Emergency Response

Years of Experience:

36

Professional Affiliations:

American Society of Highway
Engineers

American Water Works Association

Construction Management
Association of America

Consulting Engineers Council of
Pennsylvania/Consultant Inspection
Sub-Committee

Water Environment Federation

As Director of our Construction Services Division, Mr. Roussey is responsible for Construction Management/Administrative services and site representative inspection (QA/QC) services for a variety of building, water, wastewater, and transportation projects throughout the Mid-Atlantic Region. He is also responsible for managerial duties of the division, which include but are not limited to planning, budgeting, directing, staffing of activities and personnel on project assignments; monitoring project and divisional financial goals; supporting new business activities; negotiating contracts and subcontracts; coordinating and/or conducting divisional training; and participating in preparation of Buchart Horn's five-year plan.

Public Works Center and Materials Recycling Facility Planning and Design, Township of Derry, Hershey, PA. Design and construction administration of Public Works Facility including office, storage, recycle, and maintenance facilities for the Township's Public Works staff and operations.

PA American Water Company, Pocono High Service Tank and Butler-Oneida Plant, Coolbaugh, PA. Project Manager responsible for resident project representative services for construction of a 78-foot-high, 400,000-gallon elevated water storage tank and installation of two meter vaults at Butler-Oneida plant.

Wastewater Treatment Plant Upgrade and Expansion, Twin Boroughs Sanitary Authority, Mifflin, PA. Upgrade and expansion of a 0.58 mgd wastewater treatment plant to 0.90 mgd. Facilities included a new headworks, influent pumping station, SBR treatment process, aerobic digesters, UV disinfection system, and a new control building. A new administration building included administrative offices, operator's office, and laboratory.

Wastewater Treatment Plant Upgrade, Dover Township Sewer Authority, PA. Professional engineering services for the design of improvements to the facilities to upgrade treatment to meet the effluent requirements of the Commonwealth of Pennsylvania's Chesapeake Bay Tributary Strategy. Included inspection and construction phase services.

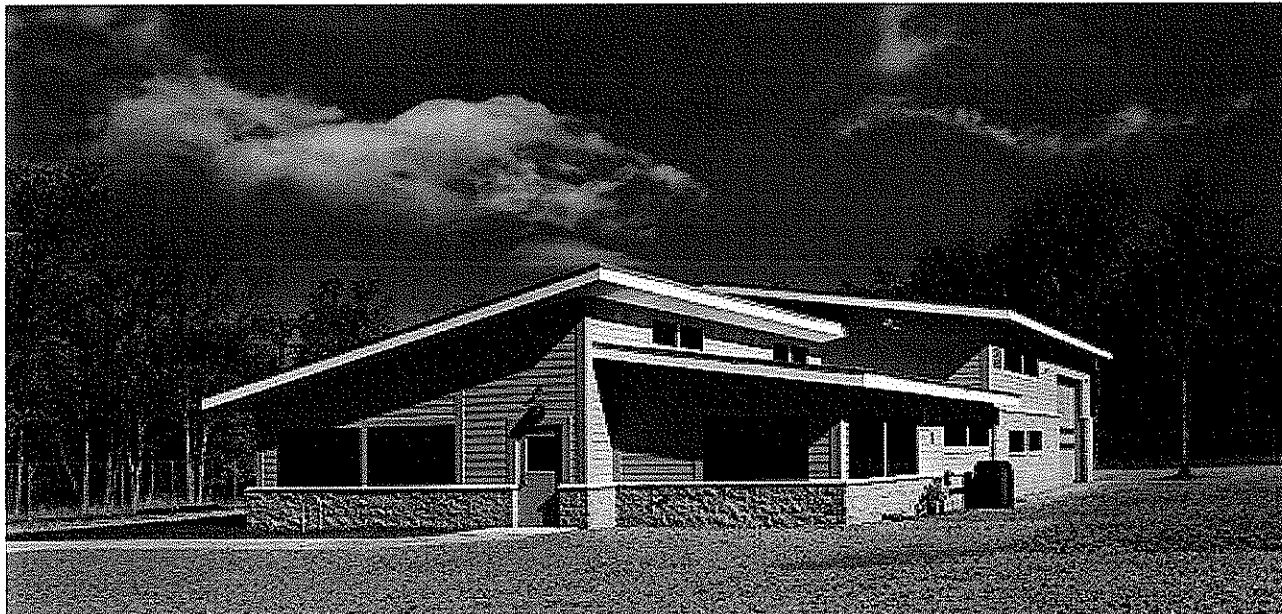
York City Sewer Authority, York, PA. Project consisted of upgrade and expansion of a 26 MGD treatment facility. The entire project consisted of 20 separate but coordinated construction and pre-purchased equipment contracts. All construction contracts had to be coordinated with the existing plant's operations. Construction included modification to a number of the existing structures and new construction: headworks structure, headworks building, primary sludge pumping station, primary and secondary clarifiers, aeration/oxygenation basins, primary effluent pumping station, filters and filter building, ultra-violet disinfection facility, control building improvements, maintenance building, return sludge pumping station, gravity thickener tanks, sludge pumping and filtrate return pumping stations, chlorine building improvements, administration building, distribution boxes, and associated equipment, pumps, valves, piping, and related site work. The resident work force consists of the project manager, resident engineer, six resident inspectors, and a secretary. Total project cost is \$46 million with change order values only 3.8% over the original bid amounts.

Wastewater Treatment Facility Upgrade and Expansion, New Freedom Borough Authority, PA. Project consisted of expanding the existing treatment plant from 1.3 to 2.3 MGD. The upgraded and expanded facility consists of three Sequencing Batch Reactors (SBR) using fine bubble diffused aeration. This facility is the first design by

Buchart Horn, Inc. where three SBR's are used in lieu of the standard two-basin construction. Three-basin design was used to ensure sufficient detention time for biological nutrient removal to occur at higher flow rates. Former contact-stabilization tanks and clarifiers were converted to chlorine contact tanks and aerobic digesters. The sludge dewatering facility was expanded with the installation of an additional belt filter press and sludge bulking facilities. In addition, a new enclosed headworks facility was added that contains a mechanically cleaned bar screen. A new garage provides for vehicle storage and an area for maintenance activities. The project involved extensive environmental permitting in wetlands protection and hydraulic stream routing. Buchart Horn also coordinated the relocation of the George Heiss House, a historic log structure previously located on the plant site, to the trailhead of a local rail-trail. Buchart Horn provided complete engineering services for the project including sewage facilities planning, preliminary and final design, and construction phase services. The construction cost totaled approximately \$5.4 million. Minimal change orders (less than 1% of the original bid amount) were issued during construction allowing the project to be completed well below budget.

Sanitary Sewer Collection Systems and Wastewater Treatment Plants, Bear Creek Watershed Authority, Bruin, PA. Project involved the construction of three separate sewage collection systems, including three wastewater treatment plants and four pumping stations. The wastewater treatment plants all have capacities of less than 200,000 GPD. Also included installation of an emergency generator and construction of laboratory facilities and offices. The collection system design incorporated the use of small diameter gravity sewers (6" diameter) located in both streets and residential right-of-ways. There was approximately 7,800 linear feet of 6" constant grade sewer and 16,000 linear feet of 8" sewers. Total project cost was \$7.9 million.

Washington County Industrial Wastewater Facility, Williamsport, MD. Design and construction phase services for a 0.50-million-gallons-per-day pretreatment facility to handle industrial wastewater and landfill leachate.

**Client:**

Canaan Valley Institute
Second Floor, B & L Building
Front Street Circle, Douglas Road
Thomas, WV 26292



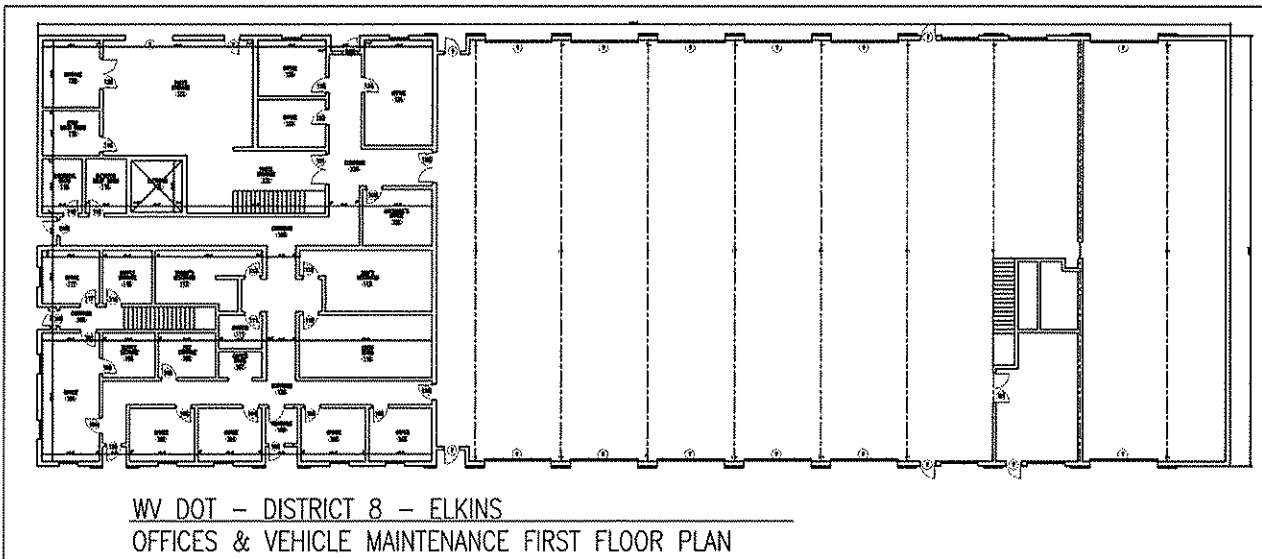
Canaan Valley Institute Maintenance Building

Buchart Horn prepared design plans for a new research support building for the Canaan Valley Institute in Davis, WV. The new facility is approximately 4,500 square feet, with four maintenance bays, including one heated bay. Storage, office, locker, and shower areas, as well as shop space, are all included in the facility. Adjacent to the building is a fenced storage area of approximately 1.5 acres. In keeping with the mission of the Canaan Valley Institute, the building features green building techniques and is designed to achieve LEED certification.

The new research support facility is used to maintain equipment and oversee several hundred of the Institute's surrounding acres. The one story, "green" building includes a Follansbee roof system and was constructed using LEED certified construction methods, as well as recycled building materials.

Special design considerations include:

- Development of a low impact building
- Reuse of natural resources
- Aesthetics
- Use of high efficiency materials and systems



Client:

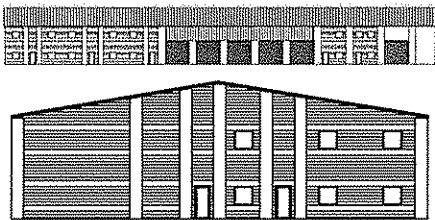
WVDOT
Building Five
1900 Kanawha Boulevard East
Charleston, WV 25305-0430

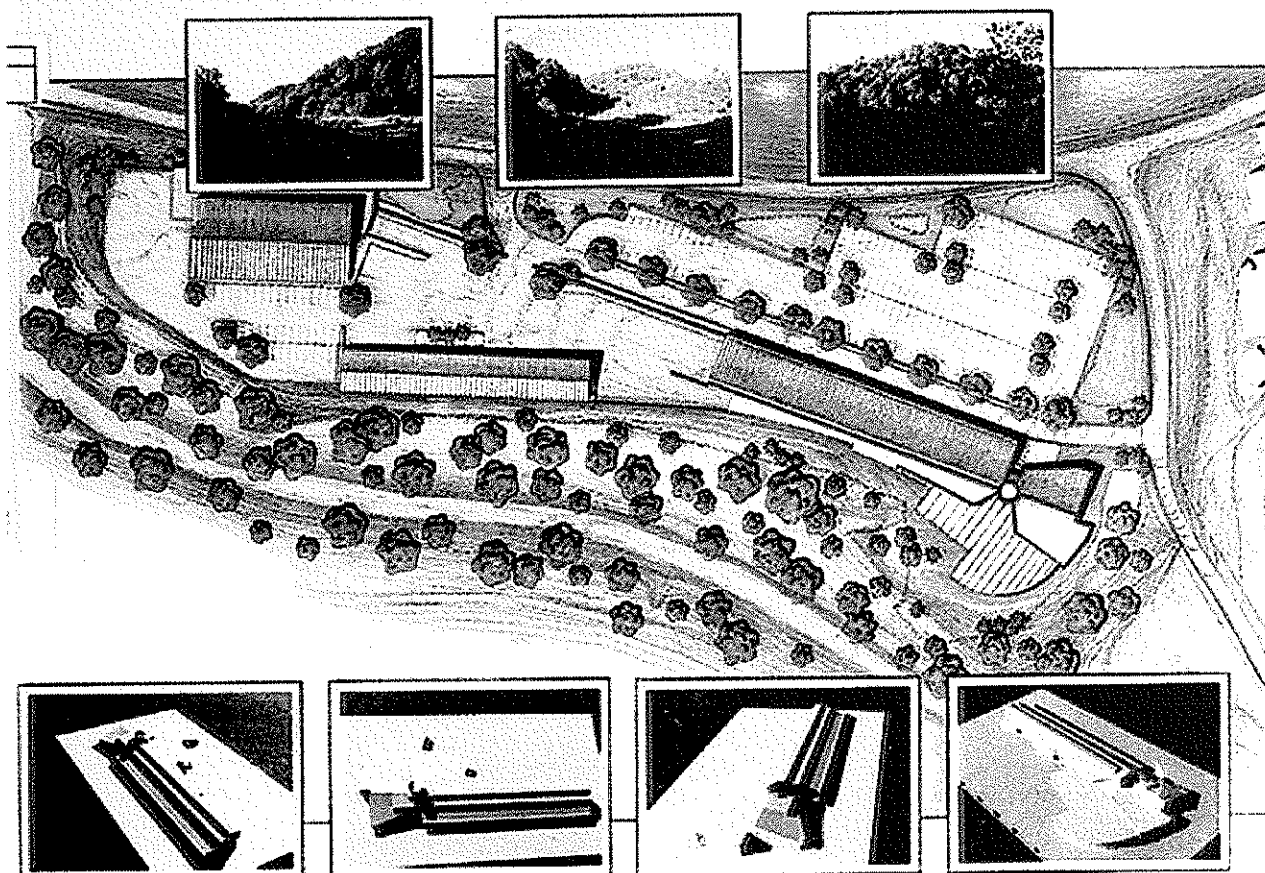
Elkins Maintenance Facility, WVDOT

Buchart Horn provided architectural, civil, structural, mechanical and general engineering services for this project. Construction and bid documents have been completed; WVDOT has indicated that it may go to bid late in 2008, for a spring 2009 start.

The facility will consist of approximately 22,500 square feet on the main level and 8,300 square feet on a second level for a total of 30,800 square feet.

At present, the facility includes five heavy equipment service bays with two 5-ton rolling cranes, five light equipment service bays with lifts, machine shop, tire shop, tool shop and welding shop as well as office suites and staff crew rooms and lockers. The second floor will be parts storage with a freight elevator for access. The designs also include all new campus phone system, radiant heating, oil separator equipment, compressor systems and other amenities.





Client:

WVDOT
 Building Five
 1900 Kanawha Boulevard East
 Charleston, WV 25305-0430

WVDOT Testing Lab/Maintenance Facility

The West Virginia Department of Transportation faced three problems with their Charleston material control, soil and testing lab, sign shop, and operations buildings. Dispersed throughout the City of Charleston, the inadequate leased facilities were code-deficient, inflexible, and lacked safe, accessible parking and service areas.

The lab building is the principal testing facility for the WVDOT and also houses difficult site conditions. The sign shop is the principal design and fabrication facility for WV highway signs and graphics. The operations building supports the lab building and accommodates regional operations of the Signal, Lighting and Traffic Counting/Enforcement Divisions.

The 27.5 acre site, located east of Charleston between Routes 60/10, 73/12 and Drey Branch Creek, was purchased by WVDOT during the construction of Route 77 across the Kanawha River. The site is essentially two levels: an upper level sloping gently southwest from northeast corner at the junction of 73/12 to a steep bank which slopes 30 feet to Drey Branch Creek. The site was particularly challenging since only 7.8 usable acres existed after establishing flood plain limits. This area, however, was unstable requiring exceptional fill measures to provide a suitable base for the new buildings and services. Other problems were WVDOT's desire to place the buildings on a single level and to provide site access for vehicles and equipment serving the sign shop and lab buildings.

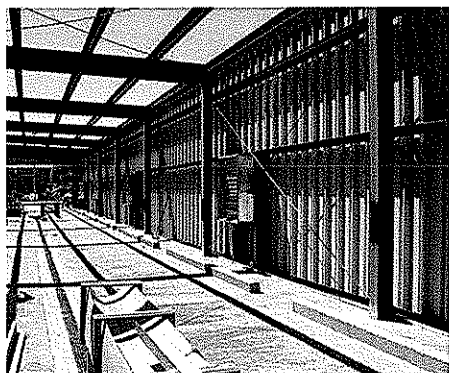
To solve the site problems, Buchart Horn, Inc. placed the buildings on the perimeter of the upper levels to protect the stream bank, avoid the flood plain and maximize the area available for parking

vehicles. The buildings are complex industrial structures because of the range of responsibilities and operations performed. In addition, all buildings with their processes are being integrated with a State wide computer network and monitoring programs. For example, the lab monitors testing facilities throughout the State and dispenses information, while the building houses records for State geology work. The lab tests a variety of materials, from crushing and sifting stone and concrete samples to hazardous chemical compounds involved with asphalt preparation. This diversity of functions requires a complex mechanical response to avoid contamination of procedures and to maintain federally mandated testing standards.

The buildings were designed to accommodate growth, the physical problems of the site, and to develop the buildings in response to these needs with aesthetic attention to the beauty of the surrounding hills and streams.

**Client:**

Tri-State Transit Authority
 1120 Virginia Avenue, West
 P.O. Box 7965
 Huntington, WV 25779



Expand and Alter Bus Service Facility, Tri-State Transit Authority

Buchart Horn designed and prepared construction documents and provided construction phase services and construction administration for additions and alterations to Tri-State Transit Authority's Bus Service Facility. The major alteration/addition was an approximately 25' by 125' (3,125 ft²) steel-framed metal building addition to the north side of the service bay facility (currently approximately 192' long). This bus storage structure was equipped with one drive bay door on each of its short ends, providing for the storage of three buses.

The project was funded by Tri-State Transit Authority; U.S. Department of Transportation; Federal Transit Administration; and West Virginia Department of Transportation, Division of Public Transit.

The construction budget was sufficient to make further improvements in the bus facility:

- Addition of power assist to exterior gates
- An integrated security system, with cameras and card access to entire facility, including exterior gates
- Repair two maintenance pits in the current facility
- Replace approximately 30% of exterior concrete slabs
- New compressor system to serve current and new facilities
- Replace waste oil burner (under a separate contract, with Buchart Horn assistance)

Other improvements under consideration include new emergency generator to run backup lighting, fuel system, and roll up doors; expansion of fuel storage; and adding sediment traps to current SSI liquid separation system.

Client:

U.S. Property & Fiscal Office
Department of Military and
Veterans Affairs
Ft. Indiantown Gap
Anville, PA 17003

Combat Arms Training and Maintenance and Combat Arms Training Simulator Facility, USPFO PA/Ft Indiantown Gap

Buchart Horn, Inc. provided conceptual through 100% designs for a 2,800 ft² small arms simulator training and maintenance facility to conduct individual and collective marksmanship training at the Air Reserve Center supporting the 171st Air Refueling Wing. This project becomes the primary qualification training facility for small arms on the installation, preventing pollution by minimizing the use of lead rounds in the environment.

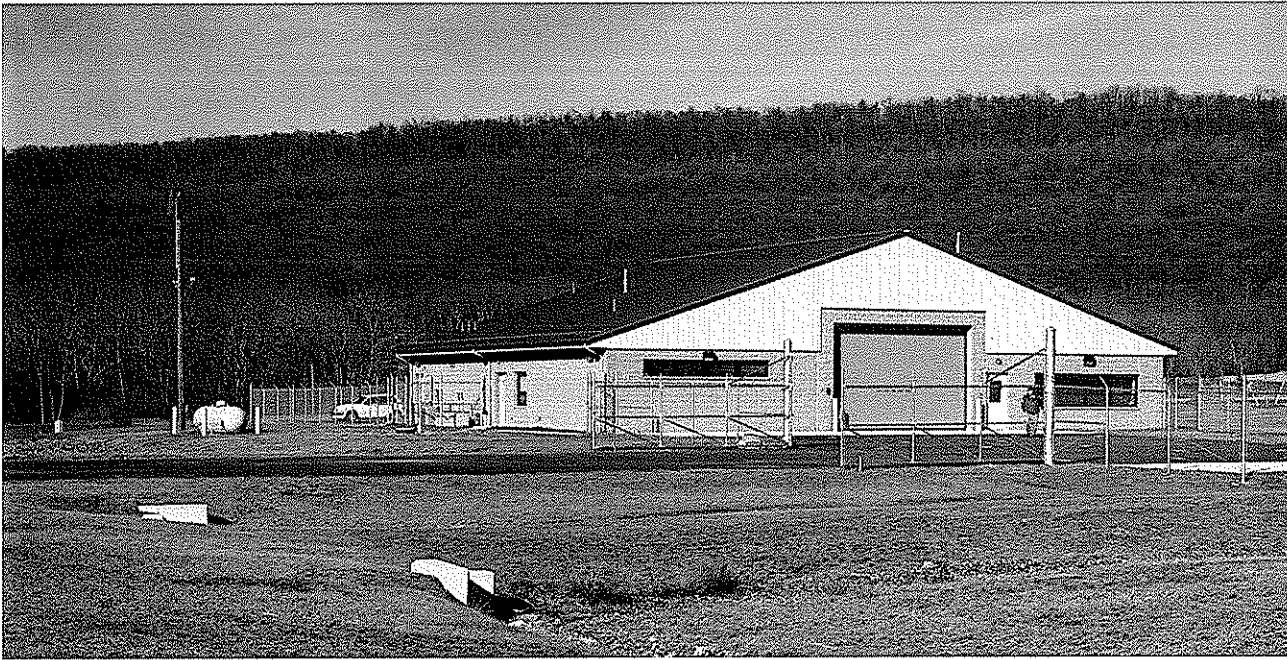
Space programming for the facility includes:

- *Simulation Room:* Allows CO2 system firing of small arms weapons with laser and projector-based simulator
- *Weapons Maintenance Area:* Dedicated cleaning and maintenance area capable of handling hazardous materials and providing appropriate safety controls (fire safety and ventilation)
- *Instructor Area:* Dedicated area for administrative record keeping and trainer preparation
- *Administrative Storage:* Storage room for training support materials
- *After Action Review (AAR) and Classroom Areas:* Flexible swing space designed to allow AARs or be used for formal classroom training
- *Individual Mechanical/Electrical and Communication Rooms*
- *Latrines*

The Simulator Training and Maintenance Facility is designed in accordance with current Air National Guard sustainable design standards. The building consists of a simple split-faced block cavity wall system, low maintenance aluminum window and door frames, innovative site design, and high efficiency/DDC-controlled HVAC systems. The building also incorporates locally produced materials and emphasizes reused and recycled material throughout the facility.

Major design tasks for the CATM/CATS included:

- Conducting site utilities layouts, topographic surveying, and geotechnical investigations
- Developing site and environmental plans to address erosion and sediment control, stormwater management, and impacts on existing base air/water environmental permits
- Conducting design charrette to develop preferred floor plan and layout
- Incorporating sustainable design features to enhance building envelope and energy related systems
- Providing centralized fire protection
- Providing energy efficient HVAC system equipped with Direct Digital Controls
- Providing adequate safety features for operation and maintenance of small arms weapons and hazardous materials
- Providing future options for communications installation and network development within the building and connected to base system

**Client:**

U.S. Property & Fiscal Office
Department of Military and
Veterans Affairs
Ft. Indiantown Gap
Annville, PA 17003

Unmanned Aerial Vehicle Runway and Maintenance/Training Facility Design, USPFO PA/Ft. Indiantown Gap

Background. Buchart Horn, Inc. provided conceptual through 100% designs for a 50- x 700-ft runway and supporting 5,600 ft² training and maintenance facility to conduct unmanned aerial vehicle (UAV) flight and training operations at Fort Indiantown Gap, Pennsylvania. This project will serve as the training area for all UAV flight training operations, allowing other units beyond the 28th Division's Stryker Brigade Combat Team to train throughout the year on this important new technology. The facility is a "one of a kind" addition to Fort Indiantown Gap and will become a much needed addition to accommodate the Stryker Brigade's unique training needs.

Project Description

The UAV Training and Maintenance Facility is designed in accordance with the latest Army and National Guard sustainable design standards. The building is scheduled for the "Gold" level of SPiRiT certification, leveraging an Energy Star compliant standing seam metal roof system, block cavity wall construction, low maintenance aluminum window and door frames, innovative site design, and high efficiency/DDC-controlled HVAC systems. Our team used a SPiRiT spreadsheet model developed in-house to allow the client to iteratively select SPiRiT-related features based on tradeoff analyses including cost and energy efficiencies. The building also incorporated locally produced materials and emphasized reuse and recycled material use throughout the facility and on site. Particular attention was given to the integration of force protection features into the site to minimize interference to flight operations while enhancing security for the site.

Major design features include a 50- x 700-ft bituminous paved runway with appropriate drainage, slope, and vertical approach paths; hangar space for storing and repairing UAVs and conducting classroom training for individuals or small groups; and pull-through bay space as well as a dedicated maintenance bay area. The maintenance bay area was designed to accommodate wider



PROJECT

Unmanned Aerial Vehicle Runway and Maintenance/Training Facility Design, USPFO PA/Ft. Indiantown Gap

wingspans for potential use by future designed aircraft. Individual office spaces are provided as well as a flexible, open-space conference and training room area. An arms vault provides secure storage and features a high security intrusion detection system. The site includes ample parking areas to support military vehicle and Privately Owned Vehicle (POV) parking needs for training units and visiting personnel. Appropriate standoff distances were maintained to ensure vehicles could be screened in a pull-through parking approach to enhance force protection.

A unique feature of this project is an abnormally high groundwater table. Special investigations were performed and a cost effective foundation drainage system was added to prevent future subsurface water damage to the building and runway. Stormwater control and quality is managed with on site detention sedimentation basin and infiltration trenches. Buchart Horn ensured early coordination of all site permitting including PNDI searches and the necessary NPDES permitting and stormwater control. Entrances and exits were designed to allow easy servicing of the facility while eliminating disruption to aerial training operations.



**Client:**

U.S. Property & Fiscal Office
 Department of Military and
 Veterans Affairs
 Ft. Indiantown Gap
 Anville, PA 17003

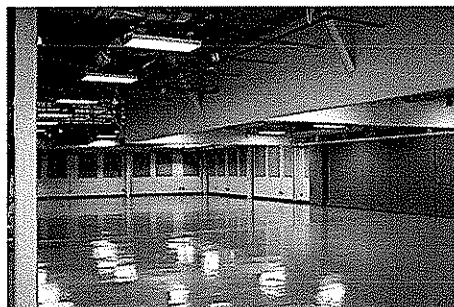
Mission Support Training Facility Design/USPFO PA/Ft. Indiantown Gap

Background. Pennsylvania is fielding the Army's only National Guard Stryker Brigade and the primary training location for this brigade is at Ft. Indiantown Gap, PA. The facilities requirements are driven by the highly specialized nature of Stryker Brigade Combat Team (SBCT), necessitating the latest technologies in information management and telecommunications. Buchart Horn, Inc. was contracted to design a 24,000-ft² Mission Support Training Facility (MSTF) and provide complete land development services including geotechnical investigations and site permitting.

Project Description. This facility serves as the command and control training centerpiece for the 28th Division's Stryker Brigade Combat Team. Units may conduct individual automation training and up to brigade-sized, classified command and control training exercises in this facility. When completed, this facility will be able to handle all of the Stryker Brigade's advanced and extremely sophisticated telecommunications needs.

The MSTF is designed with a future adaptive reuse potential in mind, however, optimized for today's information management training needs. The MSTF includes:

- **Secure room** which is capable of processing and storing classified information and incorporates Secret Internet Protocol Router Network (SIPRNET) communication connectivity;
- **Force Battle Command Brigade and Below (FBCB2) Simulation Area** (reconfigurable open-space with overhead cable trays to allow flexible C4I equipment and workstation configuration);
- **Higher Control (HICON) Area** (data and information management, configuring, testing, and administering simulation exercises);
- **Administrative Area** is an open-space area outfitted with



modular furniture for contracted support staff;

- **After Action Review (AAR) Areas** provide flexible swing space for conducting AARs or for use in supporting simulation and collective C4I training exercises;
- **Individual office areas, a break/kitchenette area, conference room, and latrines** are also provided within the facility. The existing utilities of neighboring facilities required deliberate planning and routing to ensure disruptions and encroachments were minimized while providing full service to the MSTF.

The facilities were all designed in accordance with the latest Army and National Guard sustainable design standards and International Building Code (IBC) 2003. Our team employed innovative structural design concepts to maximize open bay space and minimize construction costs. In addition, the building is scheduled for the "Gold" level of USACE Sustainable Project Rating Tool (SPiRiT) certification, leveraging an Energy Star compliant standing seam metal roof system, sandwich construction pre-cast concrete wall panels, Kalwall ambient lighting systems in the endwalls, innovative site design, and high energy efficiency using Direct Digital Controlled energy management systems.

Relevance. We are delivering a facility that will serve as the information management and electronic communications training centerpiece for one of the Army's highest profile units, the Stryker Brigade. The innovative design and construction administration services provided for this facility are being applied to other military facilities throughout the Commonwealth of Pennsylvania and in Maryland.

Client:

U.S. Property & Fiscal Office
Department of Military and
Veterans Affairs
Ft. Indiantown Gap
Annville, PA 17003

Stryker Battalion Training Complex Conceptual Design, USPFO PA/Ft. Indiantown Gap

Background. The Pennsylvania National Guard is fielding one of the Army's unique Stryker Brigades and the primary training location is at Ft. Indiantown Gap, PA. The 28th Regiment Stryker Brigade Combat Team (SBCT) required a bed-down and administrative support area for its soldiers during training exercises at Ft. Indiantown Gap. Buchart Horn designed the battalion-sized complex to the 15% conceptual level for design-bid-build contracting.

Project Description. This centralized administrative and bed-down complex houses a full battalion of soldiers and their associated personal equipment. Buchart Horn led the SBCT through a two-day charrette to plan and program each portion of the complex. Upon conclusion of the charrette, the unit was given a full program of individual buildings, planned spaces, approximate sizes, and level of quality. Cost estimates were compiled to compare with the client's 1391 budgets. Mechanical plant comparisons and energy analyses were conducted to allow the client to select the best alternatives for heating and cooling and increase the sustainable design elements of the project. The site was designed with a high level of force protection in mind, including suitable standoff distances and innovative building approaches masked by terrain and landscaping.

While the Battalion Complex is designed with future adaptive reuse potential in mind, it is optimized for today's administrative and bed-down needs. The complex includes:

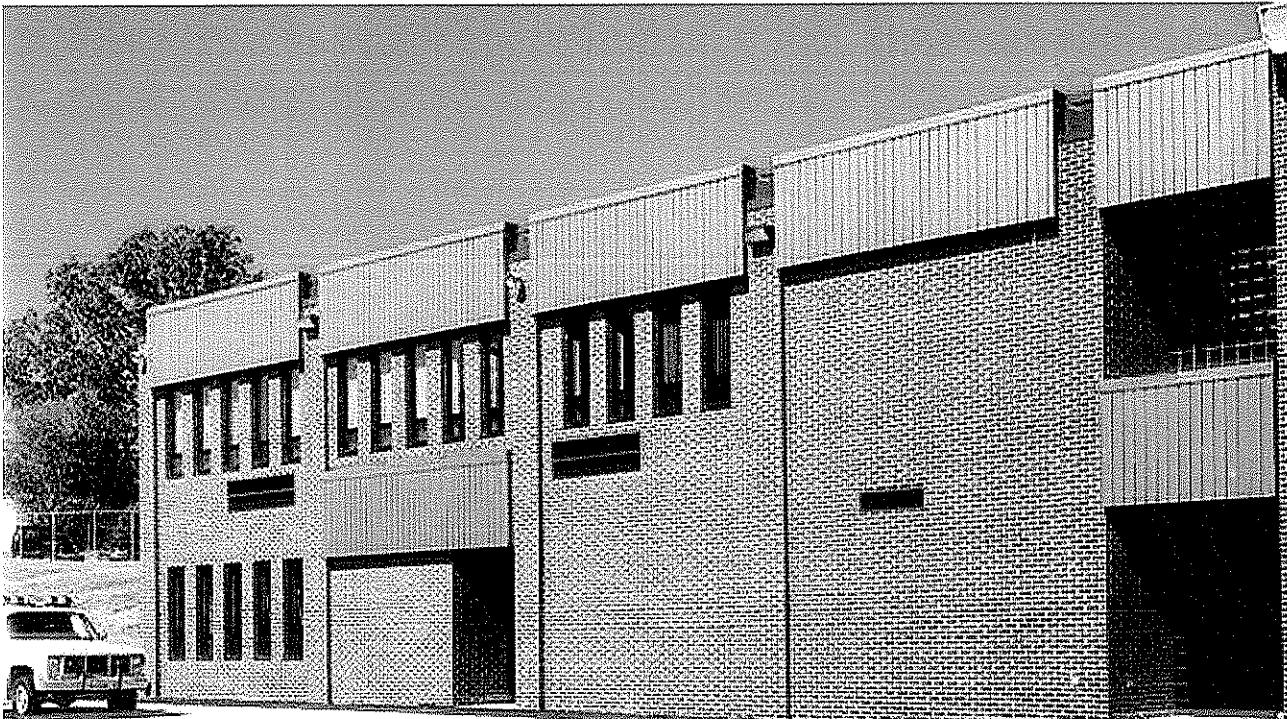
- **Barracks Facilities:** Four company-sized facilities at 15,900 ft² each consisting of two-story barracks buildings (bay style), company HQ, and storage areas
- **Senior Quarters:** Two double-story facilities for housing 20 senior personnel in individual rooms. Each set of quarters is 13,000 ft²
- **Dining Facility:** Battalion-sized facility at 12,400 ft² to feed up to 800 personnel
- **Battalion HQ:** Two-story facility for battalion commander and staff workspace at 3,800 ft²
- **Battalion Classroom:** Single story classroom area to accommodate company-sized training at 6,000 ft²
- **Maintenance Building:** Single story support facility with three adjacent 20' X 60' "pull-thru" bays of 4,800 ft².

The facilities were all designed in accordance with the latest Army and National Guard sustainable design standards and International Building Code (IBC) 2003. Our team employed innovative structural design concepts to maximize open bay space and minimize construction costs. In addition, the building is scheduled for the "Silver" level of USACE Sustainable Project Rating Tool (SPiRiT) certification, leveraging an Energy Star compliant standing seam metal roof system, sandwich construction pre-cast concrete wall panels, innovative site design, and high energy efficiency using Johnson DDC controls for its HVAC systems.

We have designed a facility that will not only meet National Guard standards, but will serve as a model facility for our nation's armed forces. This bed-down space is very similar to other Army and Air Force administrative complexes. Our design team has recently produced three other complete Stryker Brigade facility designs and has developed a database of design knowledge for transfer to other military facilities throughout the world.

PROJECT

Stryker Battalion Training Complex Conceptual Design, USPFO PA/Ft. Indiantown Gap

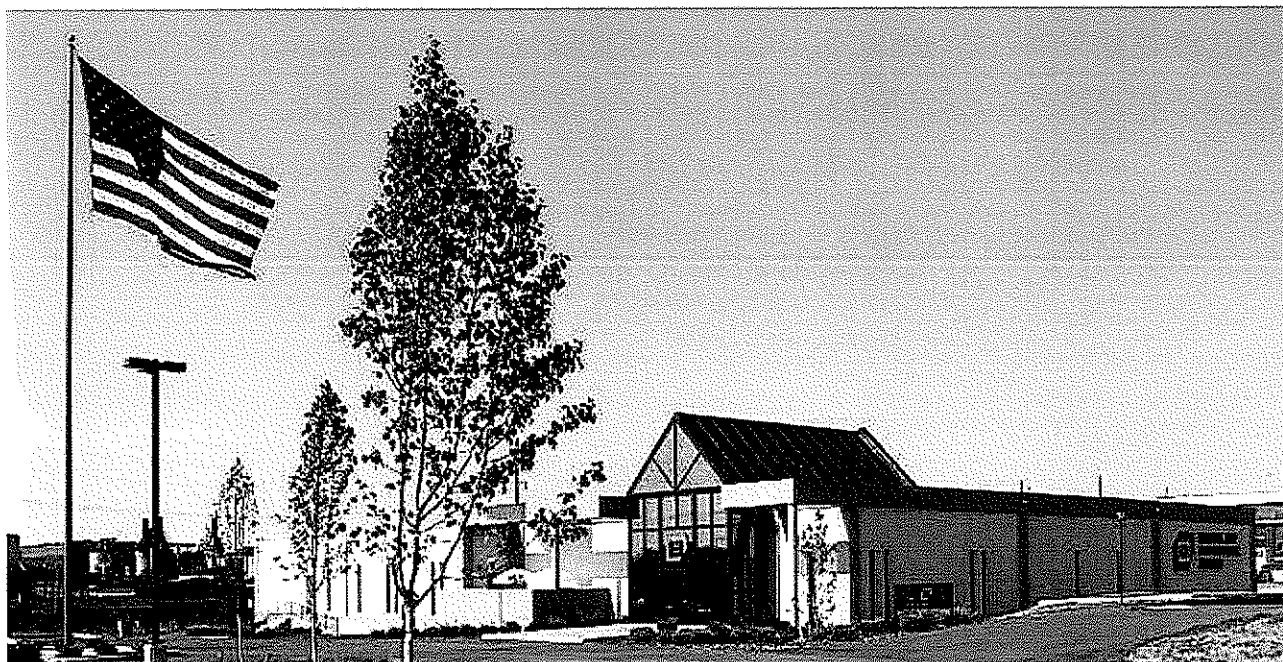


Client:

Anne Arundel County DPW
2662 Riva Road
Heritage Office Complex
Annapolis, MD 21401

Millersville Fire Training Facility

Buchart Horn provided complete design and administration services for the renovation of the existing Fire Training Research Facility and the construction of a two-story addition to the facility. The project included site work, general construction including classrooms, offices and locker room facilities, design of a new mechanical (HVAC) system, and related electrical work.

**Client:**

Drovers Bank, Division of Fulton
Bank
30 South George Street
York, PA 17401

Drovers Bank Training and Administration Facility

This new one story facility is used for support services (auditing and accounting) and to provide in-house training for employees. Buchart Horn provided the architectural, structural, electrical, and mechanical design for the bank and a computer room, proofing room, and vault to secure paperwork at night. The area is secured by a proximity card reader system on the entrance and exit locks and video cameras. The computer facility includes Halon Fire System, antistatic raised floor, U.P.S. (uninterrupted power source), and a computer-controlled VAV system (variable air volume) which ensures that the room temperature varies by no more than 2-5 degrees.

In addition to the secure area, a public area was designed for employment application and employee training. The facility also includes a library.

Client:

ODCSENGR, FE Division
HQ USAREUR
Zengerstrasse 1, Geb. 3786
69126 Heidelberg

Military Operations in Urban Terrain (MOUT) Training Site

Based on the request of a Special Forces Group located in Stuttgart, Böblingen, a Training Facility for Military Operations in Urban Terrain was built in the Böblingen Training Area.

The first task of Buchart Horn was to detail site geometry and site location utilizing the Environmental Assessment that had previously been performed for this project. The roughly defined area was surveyed and staked and a soil investigation was performed to define soil type profiles, load bearing capacity, and groundwater level.

Based on these parameters, Buchart Horn developed a design which preserved existing wildlife habitats in the area and minimized the environmental impact.

The chosen site is a mixed forest on a mildly sloped ridge stretching from West to East. The top of the ridge, a protected habitat area, is covered by swampy wetland and is excluded as a project site. A brook defines the site to the North. The chosen training arrangement is comprised of a compound of six building shells including a school mock-up. Placement of buildings and road alignments were defined in areas with slopes of less than 5% in order to minimize erosion as outlined in the Environmental Assessment. Areas with dense vegetation were not used and a gravel type pavement with minimal run-off was selected.

Buchart Horn developed construction documentation including specifications, drawings, and cost estimates covering the site-specific requirements such as the provision of utilities in the forest, the protection of wildlife and vegetation, and erosion control during construction. This was handled by limiting the access and usage of heavy machinery to the planned roadways and by requiring seeding of grass every 30 days before proceeding with the next construction phase.

PROJECT

Military Operations in Urban Terrain (MOUT) Training Site

Client:

United States Postal Service
Eastern Facilities Service Office
PO Box 27497
Greensboro, NC 27498-1103

Renovations to the Washington, DC Mail Equipment Shop, USPS

In August 2004, Buchart Horn prepared a Feasibility Study for the Mail Equipment Shop at 2135 5th Street NE. The Mail Equipment Shop is a building owned by the Postal Service. It is approximately 84,000 square feet. Building consists of a basement (with crawlspace) and two floors. Given the siting of the facility at and above grade, there are loading docks at the first and second floors.

Since the Feasibility Study was conducted, the personnel at the Mail Equipment Shop wanted to consolidate the functions currently on the three floors of the building to one so that the materials flow through the building in a logical manner to match the way they are fabricated and assembled. Originally, the second floor was considered for the equipment consolidation since it is nearly empty. It was determined, however, under further study by Buchart Horn, that the second floor was not capable of the static and dynamic load of the metal punching equipment used to fabricate parts without significant modifications to the building structure.

Under further consideration, the first floor was to be used for the equipment consolidation. The design included the following:

General

- Bringing building within USPS Standards
- Incorporating recommendations of Feasibility Study for the building systems
- Rehabbing one elevator to personnel/freight elevator. Second elevator will remain "as-is". Possibly create an "at grade" access to elevator to eliminate the need for a ramp.
- Providing basic layout and specifications for a Limited Area System in accordance with the Building Codes to provide an automatic wet pipe sprinkler system in the boiler room, maintenance rooms, and storage room with an area greater than 100 square feet. The entire facility was not provided throughout with a sprinkler system, only the areas required by Code.
- Surveying roof to determine if it requires replacement
- Providing an allowance for access control
- Providing fire alarm as required
- Providing intrusion detection as required
- Modifying compressed air system as required (system is new)
- Providing dust evacuation systems as required

Basement

- Primary function of basement was for mechanical and building systems and storage
- Modifying toilet/lockers
- Reconstructing any areas used for storage to be compliant with the Code

First Floor

- Moving administration functions to the second floor
- Creating new building entrance at the front (side) entrance. Entrance was accessible. (First floor is approximately one-half story above grade at entrance.) Since administrative spaces were on the second floor, provide an "entry lock" with a camera and buzzer so that someone in the administrative space can be notified and allow access to the administrative spaces.
- Constructing USPS standard compliant toilet/locker rooms and break room somewhere in the middle of the floor to shorten travel distances to the spaces

- Relocating of conference room, etc., to the second floor
- Consolidating of equipment from basement and second floor to first floor to match flow of material through the building
- Determining if stair at the “old” main entrance to the building can be eliminated
- Upgrading loading dock to include new roll up doors. Existing dock leveler is new and may remain. Adding an edge of dock leveler at second door. Providing a controlled access to the roll up doors. Providing a trench drain. Providing concrete pad for length of tractor-trailer.
- Replacing acoustic material being used to abate sound with new on first floor
- Providing lightweight security vault for storage of keys
- Examining the capacity and condition of the existing water service and determining if it may serve the fire protection or if a new service is required

Second Floor

- Determining the most area that can be served by the existing means of egress so that a new stair tower does not need to be constructed. Constructing a permanent wall to differentiate code-compliant from non-compliant space.
- Determining workable floor plan for the conference room, break room, etc. relocated from the first floor.

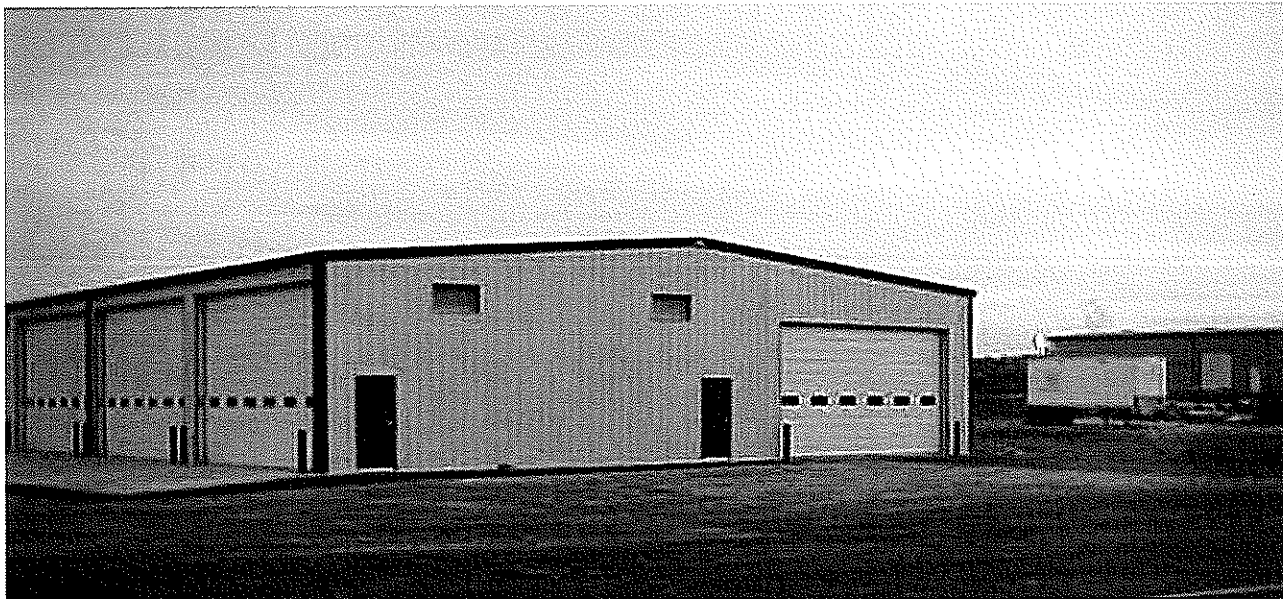
The design for the original scope was performed and the associated cost estimate exceeded the project budget. The scope was readjusted to keep the various components in the same locations they are currently.

Other scope modifications included:

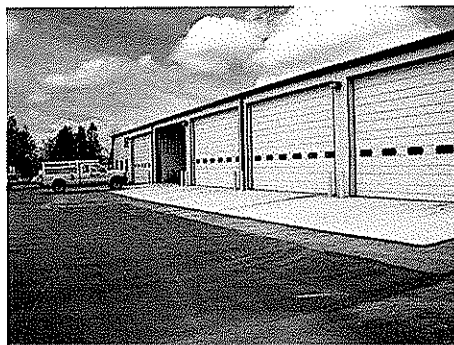
- Upgrading the mechanical and electrical systems
- Constructing USPS compliant toilet and lockers
- Replacing one elevator with a passenger elevator
- Modifying the freight elevator
- Constructing ADA-compliant ramp
- Repairing exterior façade
- Roof replacement as an alternate
- Site lighting as an alternate
- Pavement overlay as an alternate

Site

- Made minor modifications to parking lot to allow tractor-trailers to access loading dock on the first floor
- Performed cosmetic work only on building exterior (No application to the National Capital Planning Commission was anticipated)
- Upgraded picnic area on the side of the building
- Replaced the fence line
- Worked with USPS approved vendor to develop a site signage package
- Overlaid parking lot with asphalt pavement and restriped
- Verified that site lighting is adequate and meets standards

**Client:**

Susquehanna Area Regional Airport
Authority
Suite 300
One Terminal Drive
Middletown, PA 17057



SARAA, Capital City Airport Snow Removal Equipment Building

Buchart Horn provided Architectural and Engineering Services, including preparation of contract documents, bidding, award and construction phase services, for a 10,550 square foot pre-engineered equipment building at Capital City Airport. Buchart Horn's services included obtaining approval from the Pennsylvania Bureau of Aviation and assisting with grant requirements.

The building, which replaced an older, structurally unsound facility, includes five garage bays for storage of large snow removal equipment, as well as areas for maintenance equipment, chemical storage, an office, a meeting room, and a locker area. The slab from the previous building was reused, saving the Airport Authority an estimated \$50,000.

PROJECT

Aircraft Systems Maintenance Hangar Repair and Renovation, Building 304, Pennsylvania Air National Guard/171st Air Refueling Wing

Client:

U.S. Property & Fiscal Office
Department of Military and
Veterans Affairs
Ft. Indiantown Gap
Annaville, PA 17003

Aircraft Systems Maintenance Hangar Repair and Renovation, Building 304, Pennsylvania Air National Guard/171st Air Refueling Wing

Background. Building 304's primary occupant is the Fuel System Maintenance Dock. The Fuel System Maintenance Dock repairs aircraft fuel tanks, pumping systems, and pumping controls, performing the majority of its work on board the aircraft in the main hangar bay. The building's secondary occupant is the Repair and Reclamation (R&R) Work Center, which will jointly use available space. The R&R Work Center maintains aircraft landing gear systems, primary and secondary flight controls, and engine control systems. The R&R Work Center performs a significant amount of its work in shops after parts have been removed from the aircraft.

Project Description. Buchart Horn designed facility repairs and upgrades to provide a complete and usable facility for the building's current functions. Work includes extensive exterior repairs, creation of men's and women's latrines, a laundry room, and a janitor's closet. The work also includes construction of new walls to create a new supervisor's office and a wheel and tire shop, and replacement of some of the interior finishes, as well as roof and exterior panel repairs, door replacements, electrical and lighting upgrades, floor drains, ventilation and air breathing systems, and heating system modifications.



Client:

PA DGS
Eighteenth & Herr Streets
Harrisburg, PA 17125

Bucks County Maintenance Facility, PA DGS

The Pennsylvania Department of General Services (PA DGS) engaged Buchart Horn to provide preconstruction management services in preparation for construction of a new PennDOT maintenance facility in Bucks County, PA. The project includes PennDOT Bucks County maintenance offices, a maintenance garage, salt storage, a truck wash, and other support buildings.

PROJECT
Bucks County Maintenance Facility, PA DGS



Client:

PA DGS
18th & Herr Streets
Harrisburg, PA 17125

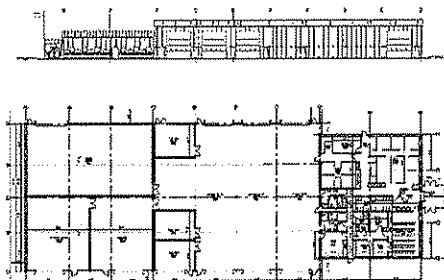
PA DGS, New Snyder County Maintenance Garage

Buchart Horn designed a new 20,000 square foot garage to house and maintain PennDOT's entire Snyder County fleet of vehicles ("Stockpile 01"). The structure, a pre-engineered steel building, has been constructed on a PennDOT-owned site on Sand Hill Road in Selinsgrove, PA.

Our design incorporates newly-established PennDOT standards for maintenance facilities and includes adaptations to use PennDOT standard servicing equipment and layouts.

The new garage provides space to service six vehicles and for accessory areas such as carpentry, welding, and sign shops. The office component provides for 15 full-time and four part-time employees as well as a flexible conference area for training and community use.

Additional responsibilities assigned to date include field geotechnical investigations; preparation of land development plan, stormwater plan/report; attendance at meetings; application fees in order to comply with all codes and ordinances and to obtain permits; and a topographic survey.



We established Construction Services as a major division in 1968 to provide comprehensive technical, managerial, and financial guidance and to assure quality construction for all projects. Construction Services provides the detailed attention and control procedures necessary for a successful project and backs them up with extensive corporate and individual experience in all aspects of transforming contract drawings into a functioning facility.

Our construction engineers, representatives, and inspectors represent the client/owner, providing liaison with contractors so that construction complies with contract documents. They are experienced in managing any size of project from \$10,000 to \$52,000,000, from constructability reviews through warranty inspections.

Our construction services include:

- Construction Management
- CPM Scheduling and Evaluation
- Claims/Change Order Management
- Constructability Analysis
- Construction Audits
- Contract Administration
- Equipment Start-up
- Materials/Equipment Procurement
- Materials Sampling and Testing
- Specialized Testing
- Value Engineering

Clients

- Allfirst Bank, York, PA
- Arkansas Department of Transportation
- City of Baltimore
- Greater Pottsville Area Sewer Authority
- New Jersey Department of Transportation
- New Jersey Turnpike Commission
- Pennsylvania Department of General Services
- Pennsylvania Department of Transportation
- Pennsylvania Office of Budget
- Pennsylvania State System of Higher Education
- Pennsylvania Turnpike Commission
- Susquehanna Area Regional Airport Authority, PA
- West Virginia Department of Transportation
- West York Area School District, PA
- York City Sewer Authority, PA
- York Water Company, PA

For the City of Baltimore, we were able to reduce their construction costs by \$12,000,000 by providing value engineering and redesigning the Back River Outfall. While providing construction services for the Greater Pottsville Area Sewer Authority for the upgrade to a wastewater treatment plant and collection system, we kept their \$20,000,000 project on schedule and budget, resulting in no change orders.



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

**Request for
 Quotation**

RFQ NUMBER
HST1012

PAGE
1

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

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

Buchart Horn, Inc.
 400 Tracy Way, Suite 110
 Charleston, WV 25311

SHIP TO

HEALTH, SAFETY AND TRAINING
 OFFICE OF MINERS'
 1615 WASHINGTON STREET EAST
 CHARLESTON, WV
 25311

| DATE PRINTED | TERMS OF SALE | SHIP VIA | F.O.B. | FREIGHT TERMS |
|--------------|---------------|----------|--------|---------------|
| 08/19/2009 | | | | |

BID OPENING DATE: **09/15/2009** BID OPENING TIME **01:30PM**

| LINE | QUANTITY | UOP | CAT NO | ITEM NUMBER | UNIT PRICE | AMOUNT |
|---|----------|-----|--------|---------------|------------|--------|
| 0001 | 1 | LS | | 906-00-00-001 | | |
| ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL EXPRESSION OF INTEREST (EOI) THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA OFFICE OF MINERS' HEALTH SAFETY & TRAINING, IS SOLICITING EXPRESSIONS OF INTEREST FOR ARCHETURAL AND ENGINEERING SERVICES FOR A MINE SAFETY AND TRAINING FACILITY. EXHIBIT 10 ADDENDUM ACKNOWLEDGEMENT I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC. ADDENDUM NO.'S: NO. 1 BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER. NO. 2 REQUISITION NO.: HST1012 | | | | | | |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

| | | |
|--------------------------|-----------------------------|-----------------------------------|
| SIGNATURE | TELEPHONE (304) 346-1127 | DATE September 14, 2009 |
| TITLE Project Manager | FEIN 23-1498326 | ADDRESS CHANGES TO BE NOTED ABOVE |

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



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TYPE NAME/ADDRESS HERE

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 Charleston, WV 25311**

**HEALTH, SAFETY AND TRAINING
 OFFICE OF MINERS'
 1615 WASHINGTON STREET EAST
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|---|----------|-----|----------|-------------|------------|--------|
| 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 Buchart Horn, Inc. COMPANY September 14, 2009 DATE </p> <p>REV. 11/96</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="text-align: center;">DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15</p> | | | | | | |

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| TITLE Project Manager | FEIN 23-1498326 | ADDRESS CHANGES TO BE NOTED ABOVE |

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|---|----------|-----|----------|-------------|------------|--------|
| | | | | | | |
| 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130 | | | | | | |
| THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED: | | | | | | |
| SEALED BID | | | | | | |
| BUYER: 44 | | | | | | |
| RFQ. NO.: HST1012 | | | | | | |
| BID OPENING DATE: 09/15/09 | | | | | | |
| BID OPENING TIME: 1:30 | | | | | | |
| PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: (304) 346-7295 | | | | | | |
| ----- | | | | | | |
| CONTACT PERSON (PLEASE PRINT CLEARLY): Michael M. Phillips, AIA, LEED AP | | | | | | |
| ----- | | | | | | |

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| | | |
|--------------------------|-----------------------------|-----------------------------------|
| SIGNATURE | TELEPHONE (304) 346-1127 | DATE September 14, 2009 |
| TITLE Project Manager | FAX 23-1498326 | ADDRESS CHANGES TO BE NOTED ABOVE |

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| LINE | QUANTITY | UOP | CAT NO | ITEM NUMBER | UNIT PRICE | AMOUNT |
|---|----------|-----|--------|-------------|------------|--------|
| ***** THIS IS THE END OF RFQ HST1012 ***** TOTAL: | | | | | | |

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| SIGNATURE | TELEPHONE (304) 346-1127 | DATE September 14, 2009 |
| TITLE Project Manager | FEIN 23-1498326 | ADDRESS CHANGES TO BE NOTED ABOVE |

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State of West Virginia

VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with West Virginia Code, §5A-3-37. (Does not apply to construction contracts). West Virginia Code, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the West Virginia Code. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

- 1. Application is made for 2.5% resident vendor preference for the reason checked: Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2. Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3. Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
4. Application is made for 5% resident vendor preference for the reason checked: Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: Buchart Horn, Inc.
Date: September 14, 2009

Signed: [Signature]
Title: Project Manager

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

VENDOR OWING A DEBT TO THE STATE:

West Virginia Code §5A-3-10a provides that: 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.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor **must** make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code* and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the *West Virginia Code* may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

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.

Vendor's Name: Buchart Horn, Inc.

Authorized Signature: 

Date: September 14, 2009