



Suite 110
400 Tracy Way
Charleston, WV 25311

(304) 346-1127
(800) 274-2224
Fax (304) 346-7295

www.bh-ba.com

Baltimore, MD
Charleston, WV
Chantilly, VA
Coatesville, PA
Frankfurt/Main, Germany
Harrisburg, PA
Hershey, PA
Kaiserslautern, Germany
King of Prussia, PA
Marlton, NJ
Memphis, TN
Morgantown, WV
Nashville, TN
New Cumberland, PA
Batesville, MS
Pensacola, FL
Pittsburgh, PA
State College, PA
Stroudsburg, PA
York, PA

March 5, 2009

Department of Administration
Purchasing Division, Building 15
2019 Washington Street, East
Charleston, WV 25305-0130
Attn: Krista Ferrell, Senior Buyer

Reference: *Expression of Interest, Rebuilding and Enhancements to the Fountain and Appurtenances, North Plaza Capitol Complex, RFQ # GSD96437*

Dear Ms. Ferrell:

Buchart Horn, Inc. presents our qualifications to provide architect and engineering services for the rebuilding and enhancements to the fountain and appurtenances, North Plaza, Capitol Complex. Buchart Horn is a full service architectural and engineering firm offering extensive experience in the design and administration of fountains and plazas. Our Project Manager, Mr. Michael M. Phillips, AIA, LEED® AP, performed similar work for the fountain in the South Plaza of the Capitol Complex.

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.

Kenneth D. Bryant, Jr., PE, PS
Regional Manager

KDB/mrk

RECEIVED

2009 MAR -5 AM 11:51

WV PURCHASING
DIVISION



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
 GSD096437

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF
 KRISTA FERRELL
 304-558-2596

RFQ COPY
 TYPE NAME/ADDRESS HERE
 BUCHART HORN, INC.
 400 TRACY WAY, SUITE 110
 CHARLESTON, WV 25311

DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES DIVISION
 BUILDING 1
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305 304-558-3517

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
02/05/2009				

BID OPENING DATE: 03/05/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-07		
<p>A&E SERVICES; REDESIGN/ENHANCEMENT: N PLAZA FOUNTAIN</p> <p>EXPRESSION OF INTEREST (EOI)</p> <p>THE WEST VIRGINIA STATE PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF GENERAL SERVICES, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ARCHITECTURAL AND ENGINEERING SERVICES FOR THE REBUILDING AND ENHANCEMENTS TO THE FOUNTAIN AND APPURTENANCES LOCATED ON THE NORTH PLAZA OF THE WEST VIRGINIA STATE CAPITOL COMPLEX IN CHARLESTON, WEST VIRGINIA. THE FOUNTAIN IS LOCATED ADJACENT TO BUILDING ONE (MAIN CAPITOL).</p> <p>TECHNICAL QUESTIONS CONCERNING THIS EXPRESSION OF INTEREST MUST BE SUBMITTED IN WRITING TO KRISTA FERRELL IN THE WEST VIRGINIA STATE PURCHASING DIVISION VIA FAX AT 304-558-4115 OR VIA EMAIL AT KRISTA.S.FERRELL@WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTIONS IS 02/20/2009 AT THE CLOSE OF BUSINESS. ALL TECHNICAL QUESTIONS RECEIVED, IF ANY, WILL BE ANSWERED BY ADDENDUM AFTER THE DEADLINE HAS LAPSED.</p> <p>QUESTIONS CONCERNING THE ACTUAL PROCESS BY WHICH A VENDOR MAY SUBMIT AN EXPRESSION OF INTEREST TO THE STATE ARE NOT CONSIDERED TO BE TECHNICAL QUESTIONS AND MAY BE SUBMITTED AT ANY TIME PRIOR TO THE BID OPENING AND IN ANY FORMAT.</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Kenneth D. Bryant* TELEPHONE: (304) 346-1127 DATE: March 5, 2009

TITLE: Regional Manager FEIN: 23-1498326 ADDRESS CHANGES TO BE NOTED ABOVE

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



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
 GSD096437

PAGE
 2

ADDRESS CORRESPONDENCE TO ATTENTION OF
 KRISTA FERRELL
 804-558-2596

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE
 Buchart Horn, Inc.
 400 Tracy Way, Suite 110
 Charleston, WV 25311

SHIP TO

DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES DIVISION
 BUILDING 1
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305 304-558-3517

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02/05/2009				

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LINE	QUANTITY	UQP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT MAY BE DEEMED NULL AND VOID, AND TERMINATED WITHOUT FURTHER ORDER.</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED EOI MUST BE SUBMITTED TO:</p> <p style="padding-left: 40px;">DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE EOI SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE EOI MAY NOT BE CONSIDERED:</p> <p>SEALED EOI</p> <p>BUYER: KRISTA FERRELL, FILE 21</p> <p>EOI. NO.: GSD096437</p> <p>EOI OPENING DATE: 03/05/2009</p> <p>BID OPENING TIME: 1:30 PM</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR EOI:</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE <i>Kenneth D. Beyer</i>	TELEPHONE (304) 346-1127	DATE March 5, 2009
TITLE Regional Manager	FEIN 23-1498326	ADDRESS CHANGES TO BE NOTED ABOVE

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



State of West Virginia
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 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
 GSD096437

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 3

ADDRESS CORRESPONDENCE TO ATTENTION OF
 KRISTA FERRELL
 304-558-2596

RFQ COPY

TYPE NAME/ADDRESS HERE

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

DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES DIVISION
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 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305 304-558-3517

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
02/05/2009				

BID OPENING DATE: 03/05/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>CONTACT PERSON (PLEASE PRINT CLEARLY):</p> <p>_____(304) 346-7295_____</p> <p>____Kenneth D. Bryant, Jr., PE, PS_____</p>						
***** THIS IS THE END OF RFQ GSD096437 ***** TOTAL:						_____

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Kenneth D. Bryant</i>	TELEPHONE (304) 346-1127	DATE March 5, 2009
TITLE Regional Manager	FEIN 23-1498326	ADDRESS CHANGES TO BE NOTED ABOVE

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



State of West Virginia
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 KRISTA FERRELL
 304-558-2596

RFQ COPY

TYPE NAME/ADDRESS HERE

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

DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES DIVISION
 BUILDING 1
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305 304-558-3517

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
02/23/2009				

BID OPENING DATE: 03/05/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO. 1		
				THIS ADDENDUM IS ISSUED TO ANSWER ALL TECHNICAL QUESTIONS SUBMITTED PRIOR TO THE DEADLINE FOR TECHNICAL QUESTIONS.		
				EOI OPENING DATE REMAINS: 03/05/2009		
				EOI OPENING TIME REMAINS: 1:30 PM		
				***** END ADDENDUM NO. 1 *****		
0001	1	LS		906-07		
				A&E SERVICES: REDESIGN/ENHANCEMENT: N PLAZA FOUNTAIN		
				***** THIS IS THE END OF RFQ GSD096437 ***** TOTAL:		

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Kenneth D. Bynum</i>	TELEPHONE (304) 346-1127	DATE March 5, 2009
TITLE Regional Manager	FEIN 23-1498326	ADDRESS CHANGES TO BE NOTED ABOVE

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

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: March 5, 2009



Contents

Firm Qualifications Section 1

Project Organization Section 2

Similar Projects Section 3

Firm/Team Qualifications

Buchart Horn is extremely excited to present our firm and team qualifications to provide architectural and engineering services for the rebuilding and enhancements to the fountain and appurtenances on the North Plaza of the West Virginia State Capitol Complex in Charleston. This excitement is rooted in our belief that we have assembled a quality team for the performance of a project that will, upon completion, help to improve the efficiency and effectiveness of state government. Our team includes planning, programming and design expertise, a good working relationship with the Department of Administration General Services Division, and experience in related projects. Following these descriptions we have provided contact information and statements as outlined in your Request for Qualifications. More detailed profiles of each firm are included at the end of this section.



Buchart Horn, Inc. has been providing engineering and architectural services through our Charleston operations since the mid 1960's. We offer full service capabilities for architectural and engineering planning and design, site development, hazardous waste remediation, vehicular and pedestrian traffic plans, construction management and administration, planning, programming and cost estimating. Our staff includes a number of LEED accredited architects and engineers who brings expertise in energy conservation and green

design. Our Project Manager, Michael Phillips, AIA, LEED, has been involved in a number of related projects, and is currently managing our assignment for the design of the rehabilitation of the Capitol Campus Parking Garage.

a. Contact Information

Michael A. Schober, PE, is the responsible Principal for Buchart Horn's West Virginia operations. Mr. Schober has the authority to execute a binding contract on behalf of Buchart Horn, Inc. His contact information is as follows:

Contact Name: Michael A. Schober, PE
Address: Buchart Horn, Inc.
Suite 110
400 Tracy Way
Charleston, WV 25311
Telephone: (304) 346-1127
e-mail: mschober@bh-ba.com

Signature: _____

b. Project Team

We believe that the goal of every successful project is a fully satisfied client and workable, cost effective solutions to problems. The element that enables a successful project is the *people* – skilled and experienced technical personnel committed to a successful project and supported by the management and owners of the firms. We have assembled an exceptional group of professionals to work on the rebuilding and enhancements to the fountain and appurtenances.

A chart showing the organizational structure and technical responsibilities of the project team is included within this submittal. Detailed resumes for all project personnel are also included.

Michael Phillips, AIA, LEED, will serve as Project Manager and Lead Architect. In this role, Mr. Phillips will serve as the lead point of contact with the State. As Lead Architect for Buchart Horn's West Virginia operations, Mike has served as Project Manager and Lead Architect for all of our recent West Virginia facilities. As Project Manager, Mike's responsibilities will include:

- Formulating the Project Work Plan.
- Establishing the Project Schedule.
- Ensuring that all project milestones are met through the coordination and monitoring of the project schedule and budget for the entire project team.
- Conducting meetings with the State to document decisions or open items (project issues) and to publish meeting minutes that document those decisions/open items.
- Identifying and monitoring all open items/project issues so that all key project information is acted upon/ responded to in a timely and professional manner.
- Participating with the team in site visits in order to assess existing conditions and to collect and verify all appropriate program needs and requirements.
- Confirming that all work is being performed in accordance with the project scope and guidelines.
- Coordinating and monitoring of project engineers/ architects to ensure consistency and quality of work via regular meetings.
- Communicating among all members of the project team to ensure the consistent application of all project standards, schedules and date decisions.
- Responding to inquiries by the State.

c. Subconsultants

Buchart Horn does not anticipate the need for any subconsultants on this project.

d. Ability to Handle Project in its Entirety

The Buchart Horn team is completely capable of handling all architectural/engineering elements of this project in its entirety. Our capabilities include project management, architecture, mechanical, electrical, plumbing, structural, civil/site engineering, and landscape architecture, as well as bidding phase and construction inspection and administration. Our overall staff numbers at over 330 personnel.

e. Required Statements

Buchart Horn understands that any and all work produced as a result of the contract will become property of the Agency and can be used as the Agency deems appropriate.

f. Ability to Design in Accordance with Applicable regulations

The Buchart Horn team has the ability to provide designs in accordance with all appropriate standards and regulations, as evidenced by the recently completed projects that are detailed within this package. As noted, we bring extensive experience in helping similar organizations meet their needs for additional or improved space.

Buchart Horn and our key staff members bring experience on the Capitol Campus, as well as experience with fountains and water features and their appurtenances.

We also bring outstanding capabilities for LEED® and Green design. In fact, Buchart Horn has recently been named as one of the **Top 75 Green Design Firms** by the Engineering News Record. A number of our key design staff, including our Project Manager, Mike Phillips, along with our lead Electrical and Mechanical reviewers, are LEED® accredited.

g. Current Litigation or Arbitration Proceedings

Buchart Horn has no current litigation or arbitration cases related to the delivery of design services within the state of West Virginia, including vendor complaints filed with the State's Purchasing Division. We do have several cases outstanding in other states, none of which will impact our ability to provide services for this assignment.

West Virginia
Department of Administration
General Services Division

Project Manager

Michael M. Phillips, AIA, LEED® AP

Principal-in-Charge / QA/QC

**Anthony J. Shinsky,
AIA, LEED® AP**

Project Architect

Stephanie A. Schaefer, AIA

Mechanical Systems

**Scott W. Berkheimer, PE
Benjamin R. Sellers, PE, LEED® AP**

Landscape Architect

**Karla S. Farrell,
RLA, LEED® AP**

Site/Civil Designer

**George J. Crittenden
Vincent Wayne, PE**

Electrical Systems

**Jeffrey B. Moreland, PE
Sherry L. Wolfe, PE**

Michael M Phillips, AIA, LEED® AP

Project Manager/Lead Architect

Education:

*Bachelor of Architecture/
Architecture*

Registrations:

Registered Architect

LEED 2.0® Accredited Professional

NCARB

Years' Experience:

Total: 22

Professional Affiliations:

*American Institute of Architects,
West Virginia Chapter*

*Mainstreet Ripley, Inc.: Board
Member and Chairman, Design
Committee*

With 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 strong background and practice in historic preservation and renovation bring keen insight into dealing with issues of adaptive re-use and recycling of existing built elements. This wide-ranging experience has also helped fashion 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 founding tutor, board member, and past Vice President of PRO-Kids, Inc., a non-profit tutoring organization for disadvantaged children. He also was 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.

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 repair guidance document with order of magnitude costs.

West Virginia State Capitol South Plaza. Project Architect responsible for design of 14,500 square foot brick and limestone plaza and fountains for the South Facade of the building.

West Virginia State Cultural Center Museum. Project Architect responsible for redesign of the main hall gallery space to receive new entrance features as designed by another architect.

Marshall University Old Main Building. Project Architect responsible for exterior restoration.

Woodburn Hall, West Virginia University, Morgantown, WV. Project Architect responsible for facade restoration of Woodburn Hall, including stone, brick and patterned slate roofing on all facades, and bell towers.

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

Alderson Memorial Bridge Restoration Inspection, Alderson, WV. Project Manager responsible for structural inventory and inspection, followed by an engineering report specifying recommended repairs for a four span concrete arch pedestrian bridge crossing the Greenbrier River.

Design of Bridge Road Retaining Wall, City of Charleston, WV. Design of new retaining wall including sidewalk, curb, roadway replacement, lighting, drainage calculations, and removal/replacement of drainage inlets to match new contours.



Anthony J Shinsky, AIA, LEED® AP

Principal-in-Charge/Quality Assurance/Quality Control

Education:

*Bachelor of Architecture/
Architecture/Temple University*

Registrations:

RA/NJ

RA/MD/1989

RA/VA

RA/PA/1993

*LEED 2.0® Accredited
Professional/2005*

NCARB

Years' Experience:

Total: 20

Professional Affiliations:

American Institute of Architects

*Pennsylvania Society of Architects
- Central Pennsylvania Chapter*

With 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.

Municipal Building Space Planning Study and Site Assessment, Borough of Middletown, PA. A four-step planning process to consider the long-term needs of the community that involved project orientation and data collection, space utilization analysis, space needs forecast, and planning criteria and identification of opportunities including emergency response capability, safety, security and technology upgrades. Principal-in-Charge

Trexler Nature Preserve "Green" Environmental Center, Lehigh County, Allentown, PA. Architectural and engineering services for design, specification and construction of an approximately 3000 square foot "green" environmental center used for educational purposes in addition to office space and restroom facilities for park users. Building principles include green roof, high R-value construction, low emission materials, solar cells, energy efficient lighting, triple pane/low E glass, geothermal heat pump, waterless urinals and native plant landscaping. Principal-in-Charge

Conewago Township, Gates Road Culvert Replacement, Dauphin County, PA. Replacement of existing culvert including preparation of DEP General Permit #11, soil erosion and sedimentation details and narrative, construction specifications, and cost estimate. Project Manager

Mechanical, Electrical and Plumbing Engineering Services for New Intermediate School, Dallastown Area School District, Springfield Township, PA. As consultant to Crabtree, Rohrbaugh & Associates, electrical and structural design services including construction documents preparation for installation of primary power by Met-Ed. Principal-in-Charge

Dixon University Center Campus Enhancement Plan, PA State System of Higher Education, Harrisburg, PA. Architectural, engineering and IT design services for comprehensive renovations to three classroom and office buildings at Dixon University Center, Harrisburg: Duncan, Richards, and South Halls. Work included aesthetic improvements, functional reconfigurations, and creating Smart Classrooms for teleconferencing and distance learning as well as lounge space for commuting students. Principal-in-Charge

Municipal Complex Design and Adaptive Re-Use, 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. Principal-in-Charge



Stephanie A Schaefer, AIA

Project Architect

Education:

*Bachelor of Architecture/
Architecture*

Registrations:

Registered Architect

NCARB

Years' Experience:

Total: 25

Professional Affiliations:

American Institute of Architects

Ms. Schaefer has 25 years of diverse experience in 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 production of construction documents and construction administration.

City of Baltimore Department of Public Works, Renovation of Hopkins Plaza Fountain, Baltimore, MD. Project Architect responsible for preparation of construction documents for renovation of the plaza fountain.

City of Baltimore DPW, Proposed Welcome Center, Baltimore, MD. Project Architect responsible for preparation of rendering for "bridge" across President Street which would connect the Discovery Zone and proposed Welcome Center.

Back River Community Center Site Design, Baltimore County Bureau of Engineering, MD. Project Manager responsible for site development design for a site adapted pre-engineered community center building.

Honeygo Run Park Design Services, Baltimore County Department of Parks and Recreation, MD. Mapping, design, construction document preparation and construction administration services for 162-acre, multi-faceted athletic facility, including 15,000 square foot building, three lighted and irrigated baseball fields and multi-purpose recreation fields, parking for 300 cars, in-line hockey skating rink, picnic pavilions, tot lot, landscaping, and hard-surface trail loop around developed portion of the park.

Sandy Hills Park, Baltimore County Department of Parks and Recreation, Towson, MD. Design for improvements/additions to existing Sandy Hills Park including driveway, parking lot, stormwater management, comfort station and landscaping.

Arundel Center Architectural Feasibility Study, MD. Project Manager responsible for preparation of architectural portion of feasibility study. Work included examining building with respect to means of egress and ADA upgrades.

Arundel Center Design Phase Services for Rest Rooms and Stair Tower, MD. Project Manager responsible for architectural design phase services to modify first floor rest rooms for ADA compliance, and design of new stair tower to alleviate travel distances and common path of travel shortfalls.

Booker T. Washington Middle School Feasibility Study for Restoration of Brownstone Facade, Baltimore City Public Schools, MD. Safety and historic study of feasibility of repairing falling or deteriorated portions of brownstone facade.

Carrie Murray Nature Center, Baltimore City, MD. Project Manager responsible for preparation of construction documents for addition of two classrooms to existing nature center located in Gwynns Falls Park in Baltimore City, including replacement of exterior doors, windows, and siding.



Scott W Berkheimer, PE
Mechanical Systems

Education:
BS/Mechanical Engineering
Technology

Registrations:
Professional Engineer
NCEES Record

Years' Experience:
Total: 16

Professional Affiliations:
American Society of Heating,
Refrigeration & Air-Conditioning
Engineers

Mr. Berkheimer is a registered engineer in six states and has more than 15 years of experience in field of mechanical engineering. He is responsible for managing projects as well as coordinating project design. His abilities encompass many aspects of mechanical engineering, from existing system evaluations and design development through production of construction documents. Mr. Berkheimer's experience includes designs for chiller and boiler plants, unitary systems, and individual space point of use equipment, applied to wide range of building types. His extensive mechanical experience has included campus steam piping replacement for state correctional facility, water source heat pump system for more than 200-bed combination independent and assisted living complex, and unitary system design for 40,000 square foot, multi-story office building that housed leading frozen poultry supplier's headquarters.

Site Development Services, Shaner Hotel Group, FL. Development of site construction documents for proposed 3-story, 90-key Fairfield Inn and Suites hotel to be located at Belz Outlet in St. Augustine and for proposed 4-story, 98-key Marriott Courtyard hotel to be located at Kendall Town development in Jacksonville.

Susquehanna Square Commercial and Residential Development, Shaner Investments, Lock Haven, PA. Preparation of site and building construction documents for three-story, 64-key Marriott Fairfield Inn and Suites hotel and two three-story condominium buildings. Two 4,000 square foot restaurants will be site-adapted for construction at later date.

Back Flow Preventer Installations, Pennsylvania State University, University Park, PA. Design, bidding and construction phase services for installation of back flow preventers in 271 domestic pipes and 75 fire protection pipes, and installation of pressure booster pumps.

Third Avenue Streetscapes and Interior Renovation of Train Station Building, City of Coatesville, PA. Preparation of contract documents for design of interior building work including grade level police substation and track level waiting area, exterior building work, interior and exterior electrical work, and site work.

US Army Corps of Engineers, Main Lobby and Wing C Renovation, Command Headquarters Building 11, Tobyhanna Army Depot, PA. Professional architectural and engineering services for repairs and renovations for main entrance lobby and second floor of Wing C in Command Headquarters facility.

NJ Turnpike Authority, Vince Lombardi Service Area, Ridgefield, NJ. Preliminary and final design and preparation of contract documents for construction of improvements at Vince Lombardi Service Area including additional truck parking spaces and construction of new truckers' facility building.

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



Benjamin R Sellers, PE, LEED® AP
Mechanical Systems

Education:
BS/Mechanical Engineering

Registrations:
Professional Engineer

LEED 2.0® Accredited Professional
NCEES Record

Years' Experience:
Total: 10

Professional Affiliations:
*American Society of Heating,
Refrigeration & Air-Conditioning
Engineers*

*National Society of Professional
Engineers*

*National Council of Examiners for
Engineering & Surveying*

Mr. Sellers has 10 years of experience in mechanical engineering design, including energy conservation and green building design, cost estimating, load designs, and building surveys.

Back Flow Preventer Installations, Pennsylvania State University, University Park, PA. Design, bidding and construction phase services for installation of back flow preventers in 271 domestic pipes and 75 fire protection pipes, and installation of pressure booster pumps.

Health and Human Services Building Office Space Renovation, Dauphin County Commissioners, Harrisburg, PA. Renovation of 44,000 square feet of office space, including conversion of mechanical systems to district steam and chilled water, renovations to electrical systems, installation of new voice/data system, security system, new walls/partitions, and new roof.

Improvements to Corporate Headquarters Building, PA League of Cities and Municipalities, Harrisburg, PA. Improvements to building to accommodate ADA accessibility requirements, life safety code compliance, and replacement of building systems.

Historic County Courthouse Renovation, Dauphin County Commissioners, Harrisburg, PA. Renovations including new state of art courtroom; Judges' chamber suites; relocation of law library to include electronic retrieval systems; elevators; and relocation and expansion of jury assembly to accommodate larger juror pool.

West Chester Hotel, Mixed-Use Project, Stan Zukin Properties, West Chester, PA. Design of Hotel property in downtown West Chester as part of mixed-use development project that includes retail and restaurant space on first two floors, hotel on floors 3-6, condominiums on floors 7-8, and historic preservation of Spence's Cafe.

US Army Corps of Engineers, Main Lobby and Wing C Renovation, Command Headquarters Building 11, Tobyhanna Army Depot, PA. Professional architectural and engineering services for repairs and renovations for main entrance lobby and second floor of Wing C in Command Headquarters facility.

Site Development Services, Shaner Hotel Group, FL. Development of site construction documents for proposed 3-story, 90-key Fairfield Inn and Suites hotel to be located at Belz Outlet in St. Augustine, and for proposed 4-story, 98-key Marriott Courtyard hotel to be located at Kendall Town development in Jacksonville.

NJ Turnpike Authority, Vince Lombardi Service Area, Ridgefield, NJ. Preliminary and final design and preparation of contract documents for construction of improvements at Vince Lombardi Service Area including additional truck parking spaces and construction of new truckers' facility building.

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



Jeffrey B Moreland, PE
Electrical Systems

Education:

MS/Electrical Engineering

BS/Electrical Engineering

Registrations:

Professional Engineer

NCEES Record

Years' Experience:

Total: 25

Professional Affiliations:

Association of Energy Engineers

Association of Iron and Steel Engineers

Institute of Electrical and Electronics Engineers: Control Systems, Instrumentation and Measurement, and Digital Signal Processing Societies

Sigma XI Scientific Research Society

Mr. Moreland is an Electrical Engineer with solid background in process control and signal processing including 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 Fortune 500 manufacturing company, ranges from applied R&D, software design, IT and operations management to variety of electrical design and project management functions.

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 repair guidance document with order of magnitude costs.

WVDOT, Southside Expressway Lighting Renovation, Kanawha County, WV. Study, design, and preparation of construction plans and related documents for highway lighting renovation on WV Route 61 from Patrick Street Bridge (US 60) to Kanawha Turnpike (CR 61/12) including improvement of existing nonfunctional lighting system and design of high-mast tower lighting at southern end of Patrick Street Bridge.

Yeager Airport, New Passenger Boarding Bridge, Charleston, WV. Design, bid and construction phase services for installation of new passenger boarding bridge for Northwest Airlines at Gate B of Yeager Airport's John D. Rockefeller IV Terminal. Project includes ADA, security, structural, HVAC, and electrical modifications and preparation of all drawings and specifications.

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 new 300-400-crypt mausoleum, new maintenance building, office building, and other landscaping improvements. Phase II may include second mausoleum, size of which has yet to be determined.

Site Development Services, Shaner Hotel Group, FL. Development of site construction documents for proposed 3-story, 90-key Fairfield Inn and Suites hotel to be located at Belz Outlet in St. Augustine, and for proposed 4-story, 98-key Marriott Courtyard hotel to be located at Kendall Town development in Jacksonville.

Pittsburgh Sports and Exhibition Authority. Performed pre-construction engineering study to evaluate various energy saving configurations for electrical power, chilled water, hot water and/or steam energy systems for new PNC Park, Heinz Field, and David L. Lawrence Convention Center facilities.

Pittsburgh Parking Authority. Engineered lighting system for Squirrel Hill Garage as part of larger study in which engineering and construction costs to upgrade lighting at all city parking facilities (over 20 garages) were evaluated.

Sherry L Wolfe, PE
Electrical Systems

Education:
*BS/Electrical Engineering
Technology*

Registrations:
*Professional Engineer
NCEES Record*

Years' Experience:
Total: 27

Professional Affiliations:
*National Council of Examiners for
Engineering & 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.

PA State System of Higher Education, North Campus Central Geothermal Well Feasibility Study, West Chester University, PA. Feasibility study and development of standards for campus geothermal well/distribution loop, and subsequent Expandable Geothermal Pump House and Library Distribution Piping Network Design.

Mechanical, Electrical and Plumbing Engineering Services for New Intermediate School, Dallastown Area School District, Springfield Township, PA. As consultant, electrical and structural design services including construction documents preparation for installation of primary power by Met-Ed.

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

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

Easton Road Lighting Design. Provided Easton Road Roadway Lighting Design as ancillary project to PennDOT's Route 309 project. New walkway lighting was provided primarily for students walking from Arcadia University to nearby shopping center on corner of Easton Road and Cheltenham Avenue. Design included coordination of Route 309 project engineers with local municipality, businesses, and utility company, selection and specification of light poles, fixtures, and power distribution equipment, and development of construction documents including photometric plan.

Armstrong World Industries' Manufacturing Facilities. Provided engineering design services for numerous expansion and upgrade projects. Facilities were located in Lancaster, Marietta, and Beaver Falls, PA, St. Helens, OR, and included warehouse expansions and renovations and production area upgrades and expansions. Electrical design services included interior and exterior lighting, general power distribution and equipment design, and automation programming. Exterior lighting designs included building perimeter, driveway, and parking areas.

Perimeter Lighting for Sunoco Logistics' Fort Mifflin Terminal. As part of federal government's national security improvements, provided electrical engineering design services for new perimeter lighting at Sunoco's Fort Mifflin Terminal located adjacent to the Philadelphia Airport.



Karla S Farrell, RLA, LEED® AP
Landscape Architect

Education:

BS/Landscape Architecture

Coursework/Computer Aided Design, Intergraph, MicroStation

Coursework/Wetlands: Restoration, Enhancement, and Construction

Registrations:

Registered Landscape Architect

LEED 2.0® Accredited Professional

CLARB

Years' Experience:

Total: 25

Ms. Farrell has 25 years of diverse experience in field of landscape architecture. She is responsible for managing projects as well as coordinating design teams. Her abilities encompass all phases of landscape architecture from conceptual design and master planning through production of construction documents. Ms. Farrell's experience includes open space planning, recreational facilities master planning, institutional facilities design, environmental planning, conservation development planning, Best Management Practices and natural resources management. Her extensive environmental planning experience includes creation and restoration of wildlife habitat, wetland mitigation design, stream bank stabilization and stream enhancement, and use of native plants. In addition, Ms. Farrell has completed data collection and plan preparation services for Forest Conservation Plans, including identification of existing species, analysis of stand diversity and structure, prioritization of tree stands, and plan preparation.

Susquehanna Riverfront Conceptual Master Plan, City of Sunbury, PA.

Development of conceptual layout alternatives for riverfront, support reviews, public participation, and regulatory approvals.

East Caln Township, Bell Tavern Road Park Master Site Plan, Chester County, PA.

Project Manager responsible for development of conceptual layout including parking, public participation, regulatory approvals, and development and preparation of construction documents.

Nardo Properties, Marietta Pike Residential/Commercial Redevelopment

Concept Plan, East Hempfield Township, Lancaster County, PA. Preparation of concept plan for development of multi-faceted development on nearly 47 acres. Stormwater management facilities will incorporate several ponds with fountains and sculptures to provide welcoming and aesthetically pleasing setting.

Dansbury Park Trail Head, Stroud Region Open Space and Recreation

Commission, East Stroudsburg, PA. Project Manager responsible for site/civil engineering and land development services to develop 1/2 acre site at northwest corner of Dansbury Park as trail head including surface parking, extension of fill, ramps and stairs, water fountain and water service extension from swimming pool, benches and prefabricated kiosk at trail head, landscaping on fill area, and evergreen trees to provide screening to north of parking lot.

Cocoa Avenue Plaza Site Master Plan and Stream Relocation, Hershey Recreation

Center, Hershey, PA. Developed master plan for design of new walkways and pedestrian plaza; regional bikeway extension; site lighting; landscaping; and relocation of intermittent stream.

I-68 Rest Area and Welcome Center, Preston County, WV. Landscape Architect responsible for development and preparation of construction documents for site layout, grading, and erosion and sediment control for new rest area/welcome center.

Dundalk Veterans Park, Baltimore County Department of Parks and Recreation,

Towson, MD. Landscape Architect responsible for site design and preparation of construction documents and renderings. Plazas were designed around existing veterans memorial and others were designed for future memorials or artwork.



George J Crittenden
Site/Civil Designer

Registrations:
*National Institute for Certification
in Engineering Technologies
(NICET)*

Years' Experience:
Total: 32

Mr. Crittenden has 32 years of experience in providing design, technical services, and surveying for residential subdivisions, highways, airports, and mine land reclamation projects.

WVDOT, Corridor H Final Design, Grant County, WV. Design and development of construction documents for four-lane divided highway with two major structures and minor third structure including drainage and specialized erosion and sediment control due to project location and ecological sensitivity of Greenland Gap.

WVDOT, I-81 Tabler Station Interchange, Martinsburg, WV. Study, design, and preparation of construction contract plans and related documents for new Tabler Station Connector Road including modification of ramps, replacement of overpass bridge, and design of industrial access road.

City of Hamlin - Belcher Avenue Sidewalk Improvement Project, Lincoln County, WV. Senior Design Technician responsible for sidewalk design, drainage design, and design of modular concrete retaining wall along Belcher Avenue, with all work performed to WVDOT criteria.

Rock Wilson Development, Ritchie County, WV. Senior Design Technician responsible for technical and design assistance for development of plans for new residential area. Also secured approval and provided plans for entrance onto US 50.

I-79/FBI Access Road Interchange, Harrison County, WV. Senior Design Technician responsible for preliminary drainage design for new trumpet-style interchange and access road to new FBI Training Center near Clarksburg.

I-77 Welcome Center, Wood County, WV. Senior Design Technician responsible for assisting Project Engineer in layout of five alternatives that met or exceeded WVDOT's minimum requirements for southbound welcome center, rest area, and related facilities to be located on I-77, in vicinity of WV 14/WV 31 interchange near Williamstown.

Yeager Airport, Charleston, WV. Senior Design Technician responsible for participation in design projects, including reconstruction of Runway 15-33 and development of complete signage plan.

First Commonwealth Bank Streetscape Improvements, Prestonsburg, KY. Senior Design Technician responsible for technical, design services for various streets and curb improvements.

Capitol Grounds Surveying, Frankfort, KY. Survey Crew responsible for surveying and layout of various landscaping and other improvements.

Vincent Wayne, PE
Site/Civil Engineer

Education:

BS/Civil Engineering

*AS/Architectural Engineering
Technology*

Registrations:

Professional Engineer

Years' Experience:

Total: 25

Professional Affiliations:

*American Society of Civil
Engineers*

Mr. Wayne has 25 years of experience in 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 for commercial, residential, and educational facilities.

NJ Turnpike Authority, Vince Lombardi Service Area, Ridgefield, NJ. Senior Engineer responsible for stormwater design for construction of improvements at Vince Lombardi Service Area including additional truck parking spaces and construction of new truckers' facility building.

Student Union Building North Addition Civil Design, Kutztown University, PA. Civil design services for North Addition of Student Union Building. Project included roof plaza that was terraced to flow into pedestrian walkways. Table seating was provided on plaza as well as lighting.

Susquehanna Square Commercial and Residential Development, Shaner Investments, Lock Haven, PA. Preparation of site and building construction documents for three-story, 64-key Marriott Fairfield Inn and Suites hotel and two three-story condominium buildings. Two 4,000 square foot restaurants will be site-adapted for construction at later date.

526 North Charlotte Street Redevelopment, Sam Lombardo, LP, Lancaster, PA. Civil engineering services including stormwater facilities, landscaping design, and site lighting design for renovation and improvement of existing structure and property to accommodate multi-use facility with restaurants, retail spaces, multi-family dwelling units, and related parking.

Brandywine Creek River Walk, City of Coatesville, PA. Project Manager responsible for design of river walk along Brandywine Creek with associated stormwater management, concrete curbs, pedestrian crosswalks and signals, pavement markings, signage, benches, receptacles, landscaping, electrical work, and upgrade and improvement of single level walking and bicycle path.

Honeygo Run Park Design Services, Baltimore County Department of Parks and Recreation, MD. Mapping, design, construction document preparation and construction administration services for 162-acre, multi-faceted athletic facility, including 15,000 square foot building, three lighted and irrigated baseball fields and multi-purpose recreation fields, parking for 300 cars, in-line hockey skating rink, picnic pavilions, tot lot, landscaping, and hard-surface trail loop around developed portion of park.

Sandy Hills Park, Baltimore County Department of Parks and Recreation, Towson, MD. Design for improvements/additions to existing Sandy Hills Park including driveway, parking lot, stormwater management, comfort station and landscaping.



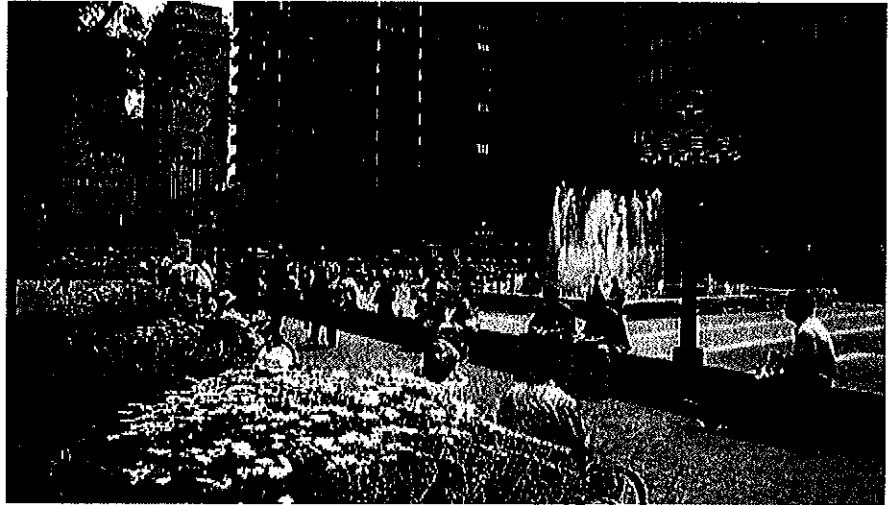
Renovation of Hopkins Plaza Fountain

Baltimore, Maryland

Client:

*City of Baltimore DPW
Abel Wolman Municipal Building
200 North Holiday Street
Baltimore, MD*

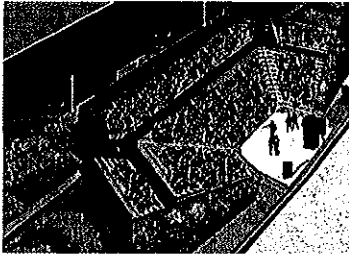
Buchart Horn provided design services related to the renovation of the Hopkins Plaza Fountain in downtown Baltimore. The scope included new fountain equipment, pumps, filters, piping, and the design and wiring for lighting and control systems for the Plaza Fountain. The multiple fountain water supply and return lines were routed from the fountain equipment room through an active parking garage to the Plaza Fountain. The total pumping capacity required to operate the fountain was 11 MGD.



Susquehanna Riverfront Plaza Sunbury, Pennsylvania

Client:

City of Sunbury
Second Floor
225 Market Street
Sunbury, PA



The Susquehanna River is a valuable asset to the City of Sunbury. The City was positioned to receive \$2,500,000 of State Redevelopment Assistance Capital Program funds for the construction of a riverfront revitalization project. The project will create economic development opportunities for the City and the region. Buchart Horn, Inc. developed a Riverfront Master Plan to promote that development as well as recreational opportunities for the City of Sunbury. Access to the riverfront will naturally extend downtown Sunbury to the water's edge and promote a vibrant environment for residents and visitors to experience events and activities. The master plan included a two-mile long riverwalk to connect various riverfront amenities to a planned rail/trail on the east side of the City to State Island Park. Our firm assisted in formulating a clear and concise vision for the riverfront, prepared marketing materials, and identified economic development opportunities and potential funding sources.

The design included plans for an amphitheater, a memorial plaza, and other gathering/access areas. The City of Sunbury Amphitheater will be centrally located between Chestnut and Church Streets. The amphitheater will seat more than 1,000 spectators for celebrations, entertainment, and formal and informal communications. Access to the amphitheater is by way of stairs and ramps over the existing wall, preserving the integrity of the flood protection structure, or by the proposed walkways along the Susquehanna River. Restrooms and storage facilities are incorporated into the amphitheater structure and will be available for all riverfront/downtown functions.

The large earthen access ramp at Chestnut Street is relocated, maintaining emergency vehicular access to the waterfront while providing space for an attractive plaza at the Chestnut Street terminus. A fountain pool garden reflects the proximity of the site to the riverfront and furnishes shady sitting areas and opportunities for water interaction. The new plaza backdrop wall provides space for memorial, historical, or City exhibits.

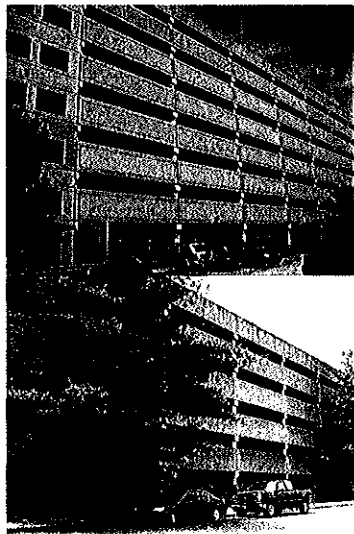
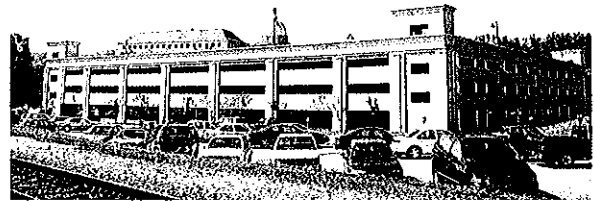
A controlled opening in the flood wall at Bainbridge Street will provide access to the river at the southern end of town. An overlook is proposed for Bainbridge Street, utilizing the original bridge abutment at the river's edge. From the overlook, visitors can walk north along the Susquehanna River to the various river activity areas and town access points or head in either direction along Front Street. The Market Street Plaza provides a northern terminus for the riverwalk at the existing Merle Philips Park. The pavement configuration reproduces the footprint of historic Fort Augusta, constructed across the river from Sunbury in 1756. Modifications to the floodwall in this area provide at-grade openings and opportunities for a variety of smaller gatherings. Restoration of the existing stone walls and steps is recommended in order to provide access to the river's edge.



Inspect/Prepare Modification Proposals WV State Capitol Parking Facility Charleston, West Virginia

Client:
WV Dept of Administration
General Services Division
Building 1, Room MB 60
Charleston, WV

Buchart Horn provided repair/refurbishment investigation services on the Capitol Campus Parking Garage (Phase I) and prepared proposals and contract documents for upgrades to the fire detection and protection systems and other modifications that may be appropriate (Phase II). The Phase I scope of work is limited to the investigation of the entire parking garage and preparation of a repair guidance document with order-of-magnitude costs.



Phase I Tasks

Task A: Pre-Investigation Coordination

Coordinate proposed efforts with Owner; review Owner's CAD plans of the building; and develop hardcopy field review forms based on Owner's CAD drawings. Conduct the investigation during off-peak parking time periods—usually evenings or weekends.

- Pre-Investigation Coordination
- Site Investigation, including inspection of concrete surfaces, spalled areas, cracks, underside deficiencies, efflorescence, rusted reinforcement, and similar defects. Also included are weld inspection; location of exposed prestressing tendons; determining the scope of sealant replacement, sealant testing, maintenance, and available warranty programs; as well as investigation of the electrical, mechanical, and plumbing systems.
- Compilation of Information
- Investigation Report
- Owner Review

Buchart Horn completed the investigation and report phase, and has since been hired to prepare construction and bidding documents for repairs and maintenance.

East Caln Township, Bell Tavern Road Park *Downingtown, Pennsylvania*

Client:
East Caln Township
110 Bell Tavern Road
Downingtown, PA

Buchart Horn Inc. worked with the East Caln Township Park Committee to develop a Park Master Site Plan for a new 11-acre park. The park is located north of the Route 30 Bypass and west of Bell Tavern Road, and will be the first park in East Caln Township. The project included participation in six committee/public participation meetings, development of a site analysis, preparation of preliminary alternative site plans, an evaluation report, a pre-final conceptual plan, a cost analysis which included the estimated capital construction costs and the projected operations and maintenance analysis attributed to use of the constructed facility, and a final Master Site Plan and report. The park amenities include a perimeter trail, which will create a safe place for people to walk for fitness, landscaping, parking for 40 cars, restrooms, playgrounds/sandbox, picnic facilities, basketball, a roller hockey court, lighting, mulched paths, horseshoe pits, pavilion with roll down sides, bike racks, a water play feature, tennis courts, volleyball courts, and sitting areas. The park is designed to provide active recreation facilities for informal, unscheduled use by the community, and also opportunities for passive recreation and quiet enjoyment of the outdoors.

