Moorhead Federal Building Security Improvements
Conceptual/Final Review

Project Location:
1000 Liberty Avenue
Neighborhood: Central Business District

Applicant(s):
Gordon US LLC
GSA
Onyx Group

Project Duration: Permanent
Has this project come before Art Commission before? No
If yes, when? n/a
RCO District: Yes
Development Activities Meeting: Yes, the DAM has already been held
December 08, 2021
Re: Moorhead Blast Film and Bollard Project

Members of the City of Pittsburgh Art Commission,

The United States General Services Administration (GSA) is proposing security improvements to the Moorhead Federal Building at 1000 Liberty Avenue in compliance with Federal Regulations. Due to site limitations many of the physical barriers are required to be placed within the public right-of-way requiring approval by the Department of Mobility and Infrastructure (DOMI) for an Encroachment Plan and approval by the City of Pittsburgh Art Commission. We ask you consider the need for the security improvements detailed below and request your approval for this project.

Following the aftermath of the Oklahoma City Federal Building bombing in 1995, the Department of Justice was directed to assess the vulnerability of federal facilities. Titled “Vulnerability Assessment of Federal Facilities,” this report gave specific reference to perimeter security, including physical barriers. Since the executive action in 1995, the following has been established for the Moorhead Federal Building:

1) Application of Interagency Security Committee (ISC) security standards that were developed for federal facilities after the Oklahoma City Federal Building bombing in 1995.

2) A building-specific security assessment that was performed by the DHS Federal Protective Service at the Moorhead Building in 2015 and again in 2017.

3) Detailed discussion and consultation within the Moorhead Federal Building’s Facility Security Committee (FSC), which includes representatives from each federal agency that occupies the building. This discussion was followed by a formal vote from the FSC which had the effect of authorizing and directing GSA to pursue these security mitigations.

In 2017, GSA commissioned ONYX to evaluate the site and develop a basis of design for the Moorhead Building based upon an explicit and formally structured process for managing federal facility security risks. With these criteria informing our basis of design, we have been working to find the best solution for our site.

GSA proposes vehicle barriers to protect the Moorhead Federal Building within the right-of-way of Grant Street, Liberty Avenue and William Penn Place. The improvements within the Grant Street right-of-way include the four (4) feet tall shallow mount bollards meeting anti-ram requirements while matching the aesthetic appearance of the previously installed three (3) feet tall bollard barriers with a decorative cover. The shallow mount passive bollard foundations and all new sidewalks will be topped with rustic terrazzo topping to match existing adjacent sidewalks. All sidewalks will be constructed in accordance with DOMI specifications. Bollards will be spaced to allow ADA accessibility.

The improvements proposed for the Liberty Avenue right-of-way include four (4) feet tall shallow mount bollards meeting anti ram requirements. The bollards will be made of steel tubing protected with a two-step powder coating process to prevent long term corrosion and match the building appearance. In addition, a shallow mount post and rail passive barrier will be installed to span existing underground utility vaults. The posts and rails will match the passive bollards in appearance. The foundations for both types of barriers will be installed such that the composition
of the existing sidewalk will be replaced. Foundations and new sidewalk will be composed of exposed aggregate in accordance with DOMI requirements or the existing brick paver surface will be restored. The bollards will be spaced to maintain ADA accessibility along the sidewalk path of travel. The ADA ramp at the intersection of Liberty Avenue and William Penn Place will be reconstructed to meet ADA requirements.

The improvements proposed for William Penn Place include a continuation of the shallow mount passive bollards from Liberty Avenue. An existing fire hydrant will be rotated 45 degrees to allow access to the individual nozzles while maintaining the distance between barriers to provide anti-ram protection for the building. A shallow mount swing gate is proposed to allow maintenance vehicles within the anti-ram perimeter of the facility.

Final improvements for the William Penn Place right-of-way include brick pavers to match the existing sidewalk. The sidewalk improvements are in accordance with DOMI requirements. The concrete sidewalk will include an exposed aggregate surface. Where necessary, the existing cobblestones will be removed, salvaged and reinstalled.

This is a high priority project for our team, and we ask for your help in driving this project forward. The DOMI team has previously reviewed the proposed design up through the 95% Submission and has accepted the design. The final construction documents are currently under review by DOMI.

If you or your team would like any additional information from the GSA team or our design team, please let me know.

Sincerely,
Gabrielle Trout, P.E.
Sr. Project Engineer and Project Manager
GSA Design and Construction Division (3PCN)
100 S Independence Mall West
Philadelphia, PA 19106
e-mail: gabrielle.trout@gsa.gov
Phone: 267-634-5730
William S. Moorhead Federal Building
General Services Administration
Security Improvements
1000 Liberty Avenue
Agenda

1) Why Security Improvements are Necessary

2) Description of Existing Security Features and Site Conditions

3) Proposed Solutions to Deficient Conditions
Why Security Improvements are Necessary

- Meet Federal Requirements
- Federal Interagency Security Committee (ISC) Standards
  perimeter barriers for all federal facilities
- Department of Homeland Security applies the Standards
- Improvements approved by the Moorhead Facility Security Committee
- Improvements approved by SHPO
Existing Features Grant Street

- Black Bollards with Architectural Shroud are crash rated
- Missing bollards southern corner on Grant Street
- Sidewalk Includes Rustic Terrazzo Topping
Existing Features Liberty Ave

- Planters and bollards are not crash rated
- Sidewalk includes exposed aggregate and brick
Existing Features William Penn Place

- Barriers are not Crash Rated
- No Maintenance Access
Site Constraints Liberty Ave

- Underground Vaults
- Tree Boxes
Proposed Security Improvements

Passive Barriers

- Shallow Mount Passive Bollard
  - 48” Tall
- Flat Top
- Swing Gate Maintenance Access
- Custom Post and Crash Beam Barrier
PROPOSED SOLUTION - LIBERTY AVENUE - BOLLARDS
PROPOSED SOLUTION WILLIAM PENN PL
- BOLLARDS
- SWING GATE MAINTENANCE ACCESS
PROPOSED SOLUTION WILLIAM PENN PL
- BOLLARDS
- SWING GATE MAINTENANCE ACCESS
PROPOSED SOLUTION LIBERTY AVENUE
- BOLLARDS
- CUSTOM POST AND CRASH BEAM
PROPOSED SOLUTION LIBERTY AVENUE
- BOLLARDS
- CUSTOM POST AND CRASH BEAM
PROPOSED SOLUTION GRANT STREET - BOLLARDS
Security Improvements

- Questions?

William S. Moorhead Federal Building
1000 Liberty Avenue
NOTES

1. All lines in separate colors and/or line weight differ from existing plan should be shown on separate drawing.
2. Elliptical shapes shown for buildings are approximate.
3. Elevations and contour lines of all streets.

LEGEND

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<thead>
<tr>
<th>Legend Item</th>
<th>Description</th>
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<tbody>
<tr>
<td>Site Plan</td>
<td>Site Plan</td>
</tr>
<tr>
<td>Enlargement</td>
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</tr>
</tbody>
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WILLIAM PENN PL ENLARGEMENT

SCALE: 1"=5'

GRANT STREET ENLARGEMENT

SCALE: 1"=5'
General Services Administration (GSA). Moorhead Blast Film and Bollard Project

Dear Members of the City of Pittsburgh Art Commission,

I am the current building manager for the William S. Moorhead Federal Building at 1000 Liberty Avenue, Pittsburgh, PA. GSA is proposing security improvements to the Moorhead Federal Building to be in compliance with Federal Regulations. I fully support this measure and I would ask that you consider the need for the security improvements detailed below and I request your approval for this project.

GSA proposes vehicle barriers to protect the Moorhead Federal Building within the right-of-way of Grant Street, Liberty Avenue and William Penn Place. The improvements within the Grant Street right-of-way include the four (4) feet tall shallow mount bollards meeting anti-ram requirements while matching the aesthetic appearance of the previously installed three (3) feet tall bollard barriers with a decorative cover. The shallow mount passive bollard foundations and all new sidewalks will be topped with rustic terrazzo topping to match existing adjacent sidewalks. All sidewalks will be constructed in accordance with DOMI specifications. Bollards will be spaced to allow ADA accessibility.

The improvements proposed for the Liberty Avenue right-of-way include four (4) feet tall shallow mount bollards meeting anti-ram requirements. The bollards will be made of steel tubing protected with a two-step powder coating process to prevent long term corrosion and match the building appearance. In addition, a shallow mount post and rail passive barrier will be installed to span existing underground utility vaults. The posts and rails will match the passive bollards in appearance. The foundations for both types of barriers will be installed such that the composition of the existing sidewalk will be replaced. Foundations and new sidewalk will be composed of exposed aggregate in accordance with DOMI requirements or the existing brick paver surface will be restored. The bollards will be spaced to maintain ADA accessibility along the sidewalk path of travel. The ADA ramp at the intersection of Liberty Avenue and William Penn Place will be reconstructed to meet ADA requirements.

The improvements proposed for William Penn Place include a continuation of the shallow mount passive bollards from Liberty Avenue. An existing fire hydrant will be rotated 45 degrees to allow access to the individual nozzles while maintaining the distance between barriers to provide anti-ram protection for the building. A shallow mount swing gate is proposed to allow maintenance vehicles within the anti-ram perimeter of the facility.

Final improvements for the William Penn Place right-of-way include brick pavers to match the existing sidewalk. The sidewalk improvements are in accordance with DOMI requirements. The concrete sidewalk will include an exposed aggregate surface. Where necessary, the existing cobblestones will be removed, salvaged and reinstalled.

Jody Horner
General Services Administration
Building Manager
William S. Moorhead Federal Building
1000 Liberty Avenue Rm 715
Pittsburgh, PA 15222
Cell: 412-225-1376
jody.horner@gsa.gov
February 1, 2022

Members of the City of Pittsburgh Art Commission

Re: Moorhead Blast Film and Bollard Project

Dear Commissioners:

I am the Director of the U.S. Equal Employment Commission’s Pittsburgh Area Office, which is located in the William S. Moorhead Federal Building. I am also a member of the building’s Facility Security Committee. I am writing in support of the plan proposed by the General Services Agency to enhance security around the building.

I understand that GSA is proposing to install vehicle barriers to protect the Moorhead Federal Building within the right-of-way of Grant Street, Liberty Avenue and William Penn Place. These improvements would include installation of four feet tall bollards on the Grant Street side of the building, which would meet anti-ram requirements, and which are similar to the bollards previously installed. The plan would also include installing new sidewalks, which would be topped with rustic terrazzo topping to match existing adjacent sidewalks. All sidewalks would be constructed in accordance with DOMI specifications, and the bollards will be spaced to allow ADA accessibility.

Similarly, on the Liberty Avenue side the plan proposes to install bollards as well as a shallow mount post and rail passive barrier to span existing underground utility vaults, which will match the appearance of the bollards. The proposal will also reconstruct the ADA ramp at the intersection of Liberty Avenue and William Penn Place to meet ADA requirements, as well as sidewalk reconstruction. Finally, on the William Penn Place side, bollards will be extended, with a shallow mount swing gate to allow mainenance vehicles within the anti-ram perimeters of the facility.

I am sure that GSA has provided you with complete information about the project, and I only summarize some of the details here. As a representative of an agency that enforces federal civil rights laws, I support this project because of its attention to accessibility for those with disabilities. As a federal employee who is aware of the history of terrorist attacks on federal facilities, I am also keenly aware of the potential danger to those of us who work in the building, and therefore I support these enhancements to ensure the security of not just employees, but members of the public who visit the facility.

Please let me know if I can be of any further assistance.

Sincerely,

Deborah A. Kane
Area Director
July 09, 2021

Donna Andrews
Regional Historic Preservation Officer
US GSA
100 South Independent Mall West
Suite 415
Philadelphia PA 19106

ER  2021PR04856.001: GSA, Proposed Security Countermeasures, Pittsburgh, Allegheny County

Dear Ms. Andrews,

Thank you for submitting information concerning the above referenced project. The Pennsylvania State Historic Preservation Office (PA SHPO) reviews projects in accordance with state and federal laws. Section 106 of the National Historic Preservation Act of 1966, and the implementing regulations (36 CFR Part 800) of the Advisory Council on Historic Preservation, is the primary federal legislation. The Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988) is the primary state legislation. These laws include consideration of the project’s potential effects on both historic and archaeological resources.

Archaeological Resources
Thank you for submitting information concerning the above-referenced project. The following archaeological resources are located in or near the project area: 36AL0520 Ogle Way Site. Based on the information received and available in our files, in our opinion, the activity described in your proposal will have no effect on such resources. Should the scope of the project be amended to include additional ground disturbing activities and/or should you be made aware of historic property concerns, you will need to notify the PA SHPO at pashare@pa.gov. A Phase I Archaeological Survey may be necessary to locate all potentially significant archaeological resources.

Above Ground Resources
Thank you for submitting information concerning the above-referenced project. In our opinion and based on the information received, the project as proposed will have no adverse effect on the following historic properties: Penn-Liberty Historic District Increase, Resource # 2011RE00527; Pittsburgh Central Downtown Historic District, Resource # 1984RE02658. Should the scope of the project change and/or should you be made aware of historic property concerns, you will need to notify the PA SHPO at pashare@pa.gov and provide the revised designs for review and comment.

If you need further information on above ground resources please consult Cheryl Nagle at chnagle@pa.gov. If you need further information on archaeological resources please contact Sara-Ladd Clark at saralclark@pa.gov.

Sincerely,

Andrea L. MacDonald
Deputy SHPO
June 21, 2021

Mr. Douglas C. McLearen, Chief
Division of Archaeology & Protection
Bureau for Historic Preservation
Pennsylvania Historical & Museum Commission
400 North Street, 2nd Floor
Harrisburg, PA 17120-0093

Re: Section 106 Undertaking
Proposed Perimeter Security Countermeasures
William S. Moorhead Federal Building
1000 Liberty Avenue
City of Pittsburgh, Allegheny County, Pennsylvania

Dear Mr. McLearen:

The U.S. General Services Administration (GSA) is proposing to install perimeter security countermeasures at the William S. Moorhead Federal Building (Moorhead FB). The Moorhead FB was constructed in 1964 and is not individually eligible for listing on the National Register of Historic Places (SHPO Opinion: 2/12/15). The Moorhead FB is located immediately adjacent to, and within the viewshed of, the National Register-listed Pittsburgh Central Downtown Historic District (NR: 12/17/85) and the Penn-Liberty Historic District (NR: 11/18/87 and 5/8/13).

The Moorhead FB is located on the west corner of Liberty Avenue and Grant Street in Pittsburgh, Pennsylvania. The proposed perimeter security countermeasures will address security needs along Grant Street, Liberty Avenue, and William Penn Place. Bollards with painted black steel covers and granite barriers currently exist along the Grant Street side of the facility; a granite retaining wall and movable planters provide a partial perimeter along Liberty Avenue and William Penn Place. This project proposes to install clear anti-fragmentation film to the exterior windows of the first three floors of the building, fixed bollards and post and beam anti-ram fencing on Grant Street near the south corner of the Moorhead FB and along Liberty Avenue and William Penn Place, and active vehicle barriers at the existing loading dock and parking garage on William Penn Place. This undertaking is in response to Interagency Security Committee (ISC) requirements which require perimeter barriers be installed at federal facilities. The Moorhead FB is considered a Level IV secure facility per ISC standards.

The proposed project is considered an undertaking subject to Section 106 consultation. For purposes of Direct Effect, GSA proposes the Area of Potential Effect (APE) be limited to the areas of disturbance at the building itself. For purpose of the APE for Indirect Effects, GSA proposes the surrounding areas the changes to property will be visible, including a portion of Grant Street midway between 7th Avenue and Liberty Avenue, Liberty Avenue from Grant Street to midway between William Penn Place and Smithfield Street, William Penn Place from Liberty Avenue to midway between Liberty Avenue and 7th Avenue, and 10th Street from Liberty Avenue
to Penn Avenue. Please see Attachment 1 for a site location map and photographs of the existing conditions.

GSA has retained the Onyx Group to undertake study and design for the proposed perimeter security countermeasures. Please see Attachment 2 for a portion of the 100% Blast Film and Bollard Study, Attachment 3 for the 95% Basis of Design, and Attachment 4 for the 95% design drawings. A variety of local permits, approvals, and coordination are required for this undertaking and are listed in the Basis of Design in Attachment 3, beginning on page 11. The approvals include Department of City Planning, Art Commission review. Modifications to the design may be necessary to secure local permits and approvals.

A geotechnical study undertaken at the Moorhead FB determined that the soils surrounding the building consisted of fill to a depth of approximately 13 feet. The proposed bollards, post and beam anti-ram fencing, and active vehicle barriers will require around three feet of excavation. The likelihood that excavation activities for this undertaking would disturb intact archaeological resources is de minimis.

In accordance with Section 106 of the National Historic Preservation Act and 36 CFR 800.5(b), it remains the determination of GSA that the proposed undertaking will have a No Adverse Effect on any historic properties.

Please note, the included study and design documents are considered Sensitive but Unclassified (SBU) building information. SBU building information is disseminated only to authorized recipients on a need-to-know basis. Please do not share this information with the general public since further distribution is prohibited. Please securely dispose of the design drawings once consultation is complete.

If you need additional information, please do not hesitate to contact me at (215) 446-4570 or donna.andrews@gsa.gov.

Sincerely,

Donna Andrews
Regional Historic Preservation Officer
Public Buildings Service

Cc: Sarah Quinn – City of Pittsburgh
Aerial photograph showing the location of the Moorhead FB. Red arrow indicates the Moorhead FB. Google Maps 2021.
View northeast along Grant Street from the south corner of the Moorhead FB. Three additional matching bollards will be installed at this location.
View southeast along Grant Street from the intersection with Liberty Avenue.
View west-southwest along Liberty Avenue from near the intersection with Grant Street. A combination of bollards matching those along Grant Street and post and beam anti-ram fencing will be installed along Liberty Avenue.
View east-northeast along Liberty Avenue from William Penn Place. A combination of bollards matching those along Grant Street and post and beam anti-ram fencing will be installed along Liberty Avenue, replacing the existing movable planters.
View south along William Penn Way toward the existing loading dock and parking garage entrance from Liberty Avenue. Bollards matching those along Grant Street will be installed along William Penn Place up to the parking garage entrance. Active vehicle barriers will be installed at the existing loading dock and parking garage entrance.
View northeast along William Penn Place toward Liberty Avenue from the southwest corner of the Moorhead FB. Bollards matching those along Grant Street will be installed along William Penn Place up to the parking garage entrance. Active vehicle barriers will be installed at the existing loading dock and parking garage entrance.