

**Replacement of the 31ST Street, NW
Bridge over C&O Canal
(Bridge No. 3)
DCKA-2018-C-0056
FAP No:2017(037)**



31st Street Bridge over C&O Canal

**Construction Management Weekly Report
12/21/2019 – 12/27/2019**

Project Website: www.31stStreetBridge.com

1. EXECUTIVE SUMMARY

Project Description

Work under this contract consists of the replacement of the 31st Street Bridge over the C&O Canal in Georgetown. The existing two-span bridge superstructure is to be removed in its entirety and replaced by a new single-span, steel, multi-girder superstructure on new independent abutments constructed behind the existing canal walls. The proposed bridge will have a reinforced concrete deck. The existing canal walls are to remain in place with minor wall maintenance. The existing historic pier is to be removed, salvaged, rehabilitated, and reset in its original location, but will no longer support the bridge. Minor approach roadway reconstruction and sidewalk improvements are also part of the project. Service via existing utilities that currently hang on the bridge must be maintained throughout construction.

Proposed work will include but not be limited to:

- Installation of a temporary pedestrian bridge prior to construction in order to maintain pedestrian access across the C&O Canal at all times
- Installation of temporary structures required to laterally support existing Canal Walls
- Removal, salvage and restoration of the historic pier
- Installation of temporary utility supports during construction, protection of existing utilities, and coordination with utility companies for relocation prior to bridge replacement
- Removal, relocation and installation of various utility components, manholes, and related items
- Installation and removal of a portable dam system within the canal
- Removal, storage and reinstallation of existing street light poles and sign posts
- Removal, storage and reinstallation of the stone monument, wooden sign posts, and Canal Wall elements
- Removal and disposal of the existing bridge superstructure in its entirety, and construction of new abutments and superstructure
- Construction of
 - Granite curb
 - Brick gutter
 - PCC base with brick/tile sidewalk
 - Wheelchair/bicycle ramps
- Installation of pedestrian railing

2. STATUS OF CONSTRUCTION / PROGRESS SUMMARY

Progress Summary:

- Fort Myer Construction Company (FMCC) implemented the project detour on June 11, 2019 and set up the construction zone perimeter.
- The pedestrian bridge was delivered, assembled, and set on the abutments; and opened for use on June 28, 2019.
- NPS continues to maintain water flow in the canal, and the cofferdams are working properly.
- The pier footing investigation was completed, and the pier restoration plan is progressing, pending comments on the submitted Conservator report.
- The water main relocation and installation of the Canal wall support is completed.
- Demolition of existing bridge deck has been completed.
- Demolition of Verizon wood conduits (by Verizon) was completed.
- Removal of the beams located in the middle of Verizon conduits completed.
- Micropile drilling on the south and north sides of the bridge was completed on December 6, 2019.
- Placement of reinforcement and grout started on December 9, 2019 at the north side of the bridge and was completed on December 11, 2019.
- Installation of the protection shield and containment around the historic pier has been completed.
- Cleaning and priming of the historic pier is in progress and excavation at the north abutment has started.

Ongoing Issues / Items: Verizon and Pepco utilities relocation – occurring concurrently with the bridge project under separate contracts - and coordination with both stakeholders. Re-design of beams completed to accommodate Verizon conduits in-place.

New Issues / Items: None currently

Action Items: Verizon to provide schedule for asbestos mitigation; Pepco to provide schedule for conduit relocation.

New Action Items: None at this time.

3. MEETINGS / PROJECT COORDINATION

- Progress Meeting No. 17 set on Wednesday December 25, 2019, has been rescheduled.

4. DAILY WORK PERFORMED

Field construction activities performed during this period:

Saturday – 12/21/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- Titan Industries continued the cleaning and priming work at the historic pier.

Sunday – 12/22/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- The contractor did not work on this date.

Monday – 12/23/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- Titan Industries continued the cleaning and priming work at the historic pier.
- FMCC continued the excavation and removal of the canal wall stones at the bridge's north abutment.
- The Verizon contractor completed their outage repair work.

Tuesday – 12/24/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- FMCC continued the excavation and removal of the canal wall stones at the bridge's north abutment.
- Titan Industries did not work on this date.

Wednesday – 12/25/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- CHRISTMAS DAY – No work performed on this date.

Thursday – 12/26/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- Titan Industries continued the cleaning and priming work at the historic pier.
- FMCC did not work on this date.

Friday – 12/27/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- Titan Industries continued the cleaning and priming work at the historic pier.
- FMCC did not work on this date.

4. PUBLIC OUTREACH

Public Outreach performed during this period:

- Responded to citizen and business inquiries.
- Communicated with BID and ANC about Verizon's outage.
- Communicated with BID and ANC about Saturday work; and sent notice to the local community.

5. INSPECTION & MATERIAL TESTS PERFORMED

- None at this time.

6. CHANGE ORDERS / TASK ORDER

- Processing combined Change Order for Micropiles VEP, Pepco conduit encasement demolition, and for the bedrock excavation at the pier footings.

7. DBE PARTICIPATION SUMMARIES

- None at this time.

8. ACCIDENTS / INCIDENTS

- There were no reported accidents within the project limits this week.

PHOTOS OF WORK PERFORMED THIS PERIOD



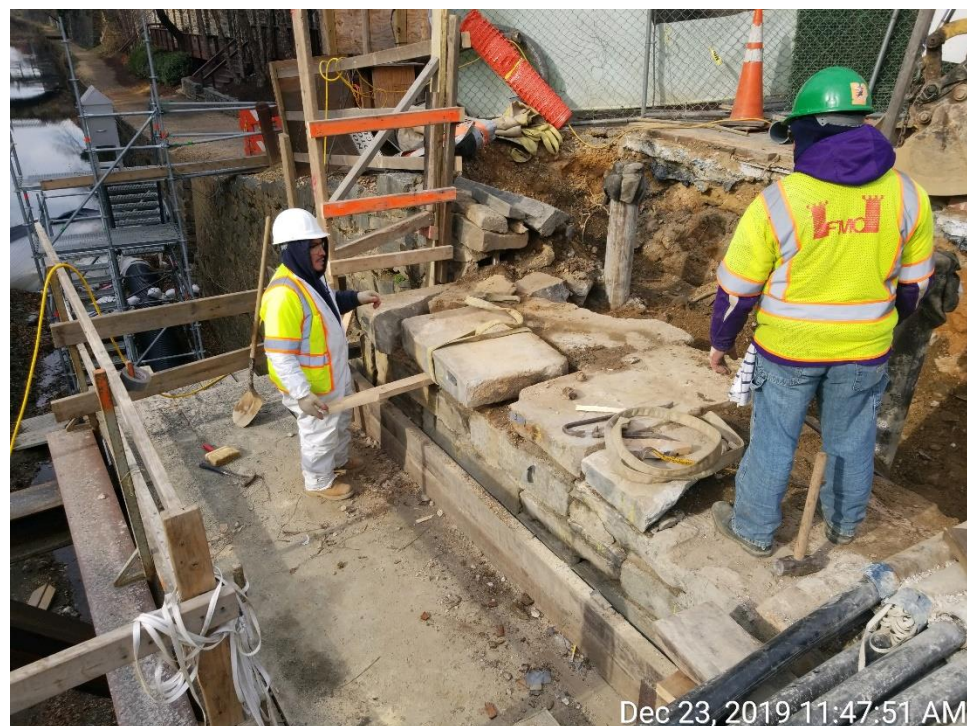
Cleaning the Beam on Top of Historic Piers



Ventilation for Cleaning and Priming of Piers



Containment Around Historic Piers



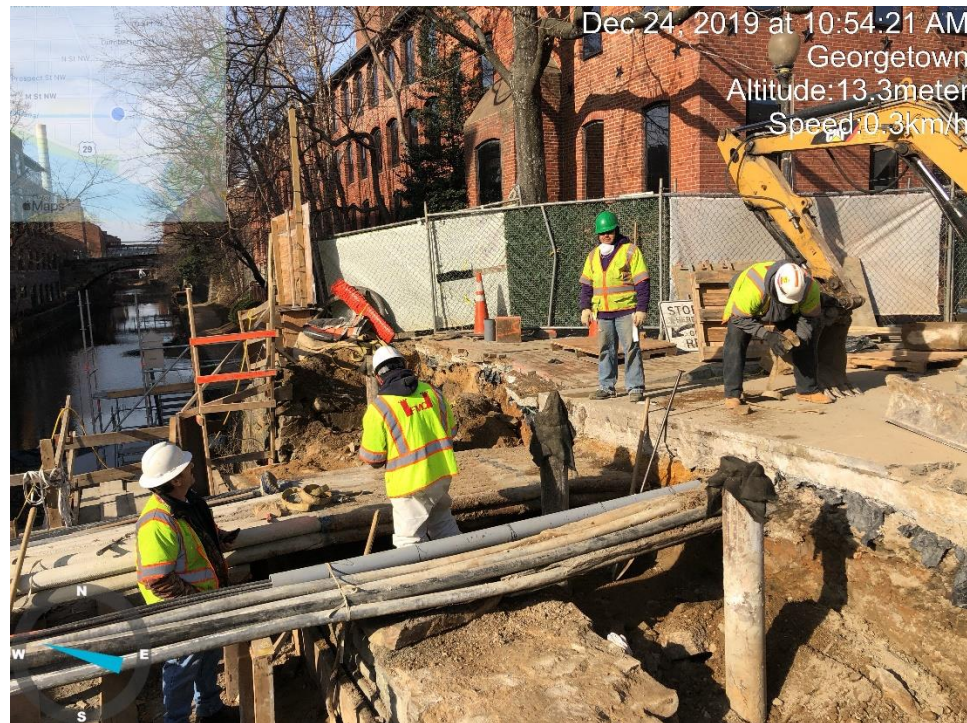
Excavation for the Bridge's North Abutment Footing



Pier Cleaning and Priming



Marking, Cataloguing, and Removal of Canal Wall Stones



Excavation at Bridge's North Abutment