

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



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31st Street Bridge over C&O Canal

Construction Management Weekly Report

10/12/2019 – 10/18/2019

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 completed. Demolition of existing bridge deck resumed.

Ongoing Issues / Items: Verizon and Pepco utilities relocation; coordinating with both stakeholders.

New Issues / Items: None at this time

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

New Action Items: None at this time

3. MEETINGS / PROJECT COORDINATION

- Progress Meeting No. 13 was held on Wednesday October 16, 2019.
- Utilities – meeting with Pepco on site on Tuesday, October 15, 2019.
- Utilities – meeting with Verizon on site on Thursday, October 17, 2019.

4. DAILY WORK PERFORMED

Field construction activities performed during this period:

Saturday – 10/12/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets. Volkert monitored the site safety measures.
- FMCC did not work on this date.
- FMCC continued de-watering the work zone.

Sunday – 10/13/2019

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

Monday – 10/14/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- FMCC continued the demolition of the existing bridge superstructure and worked on the removal of the remaining beams.
- FMCC excavated on the south side of the bridge and exposed the conflict location between the micropile and Pepco manhole.
- FMCC continued de-watering the work zone.

Tuesday – 10/15/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- FMCC continued the demolition of the existing bridge superstructure.
- Pepco conflicts with the micropiles and beams was discussed in the field meeting with Pepco representatives.
- Verizon contractor DCI exposed the manhole at the south side to assess the conflict with the micropile.
- FMCC continued de-watering the work zone.

Wednesday – 10/16/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- FMCC started the demolition and removal of concrete pier cap located on top of historical Pier.
- FMCC continued de-watering the work zone.

Thursday – 10/17/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- Verizon conflicts, including location of the piles, asbestos cleaning, and removal of existing beams, were discussed in field meeting held with Verizon and DCI representatives.
- FMCC continued the demolition and removal of concrete beam located on top of historical Pier.
- FMCC placed 4500 psi concrete mud mat for the historical pier foundation inside the Canal.
- FMCC continued de-watering the work zone.

Friday – 10/18/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- FMCC continued the demolition and removal of concrete beam located on top of historical Pier.
- FMCC placed hot mix asphalt on the sidewalk located at the northeast side of the bridge. The contractor removed all plywood installed at water line trench along Georgetown Inn.
- FMCC continued de-watering the work zone.

4. PUBLIC OUTREACH

Public Outreach performed during this period:

- Responded to citizen and business inquiries.
- Notified BID of sidewalk closure for temporary asphalt placement in front of Georgetown House.

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.

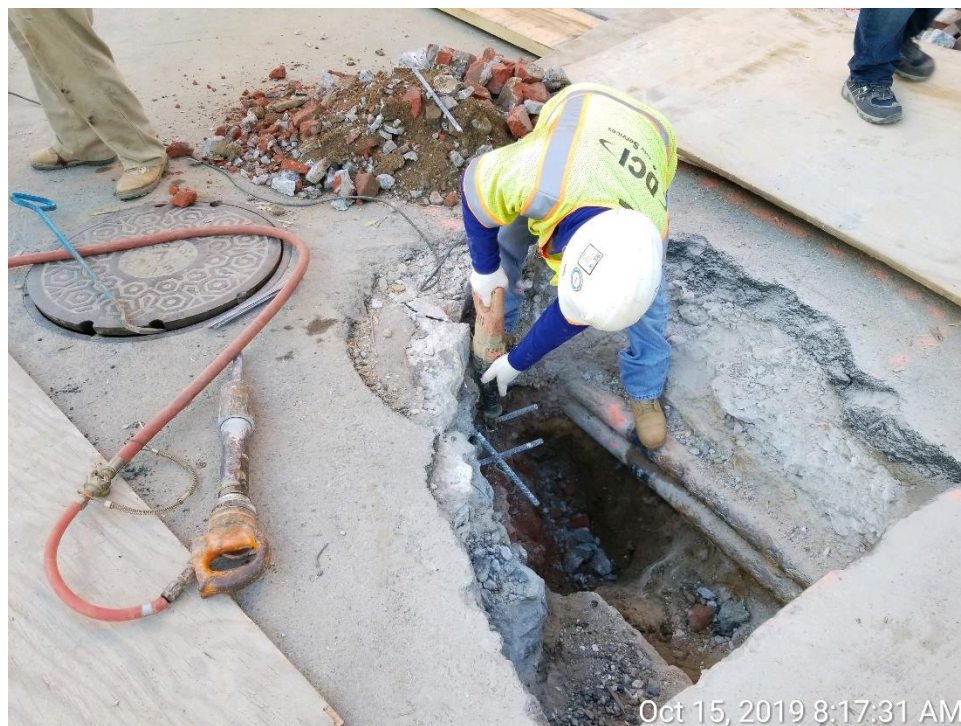
PHOTOS OF WORK PERFORMED THIS PERIOD



Demolition of Bridge Superstructure



Installation of Fall Hazard Sign



DCI Working on Verizon Manhole



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Utility Field Meeting with Pepco and AECOM



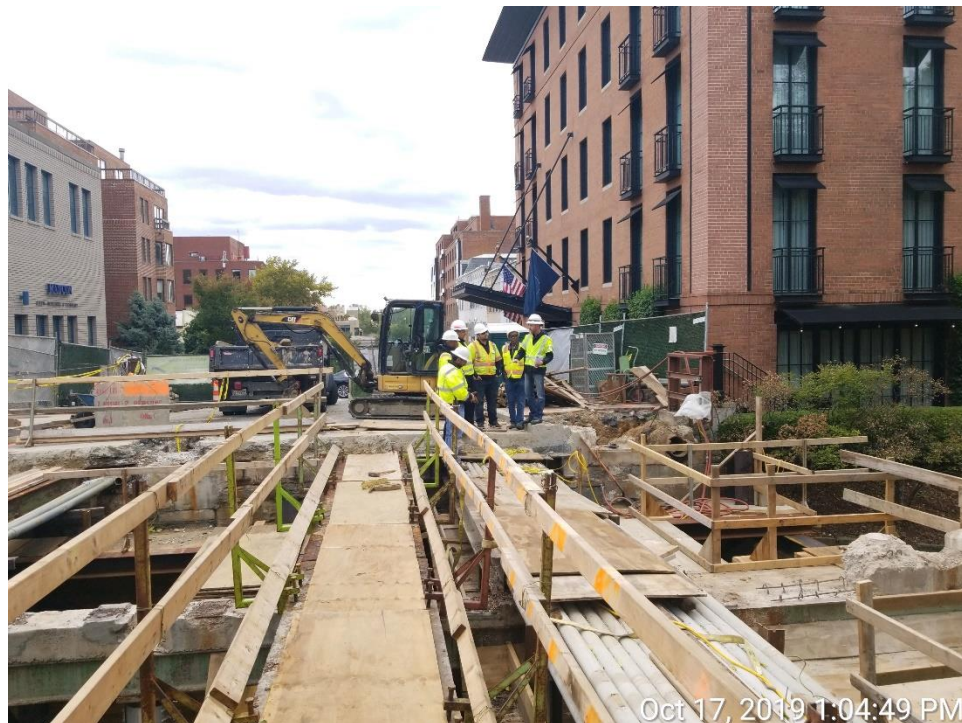
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Demolition of Bridge Superstructure



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Concrete Placement for Mud Mat for Pier Foundation



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Utility Conflict – Field Meeting with Verizon



Placement of Asphalt for the Sidewalk in Front of Georgetown Inn



Demolition of Concrete Pier Cap on Top of Historic Pier