

**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

2/22/2020 – 2/28/2019

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 streetlight 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 assessment/restoration plan has been submitted for review and comment.
- 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 21, 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.
- Cleaning and priming of the historic pier completed; UT and MT investigations were completed and results distributed; pier assessment meeting held in the field January 21, 2020
- Pier assessment/rehabilitation report provided February 3, 2020 and distributed to stakeholders for review and comment. AECOM comments submitted February 14, 2020
- Pier footing meeting held on February 24, 2020; pier rehab meeting held on February 24, 2020. Both meetings to discuss path forward for all items related to the pier.

Ongoing Issues / Items: Verizon and Pepco utilities relocation – occurring concurrently with the bridge project under separate contracts – and coordination with both stakeholders. Pepco meeting for additional work held on February 19, 2020 on-site to lay out additional work (manhole and conduits). Subsequent meeting with Pepco held on February 26, 2020 to discuss additional scope.

New Issues / Items: Pepco to submit schedule for proposed work (manholes and conduits); Pepco outage scheduled for March 16, 2020; Verizon asbestos mitigation and duct work to start week of February 24, 2020

Action Items: FMCC conducted micro pile load test for February 19-20, 2020

New Action Items: None at this time.

3. MEETINGS / PROJECT COORDINATION

- Pepco Meeting for additional work was held on Wednesday February 26, 2020 on the project site.

4. DAILY WORK PERFORMED

Field construction activities performed during this period:

Saturday – 2/22/2020

- 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.

Sunday – 2/23/2020

- 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 – 2/24/2020

- 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.

Tuesday – 2/25/2020

- 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.

Wednesday – 02/26/2020

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- A field meeting with Pepco to discuss additional scope.
- FMCC started Pepco work and completed the excavation for the new 4-foot x 4-foot manhole at the NE side of the bridge.
- Verizon contractor DCI resumed the relocation of existing cables.

Thursday – 02/27/2020

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- FMCC continued Pepco work and installed the new 4-foot x 4-foot manhole at the NE side of the bridge.
- FMCC lowered and stored the removed Canal Wall stones into the Canal.
- Verizon contractor continued the relocation of existing cables.

Friday – 02/28/2020

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- FMCC continued Pepco work and connected the new conduits to the newly installed 4-foot x 4-foot manhole.

4. PUBLIC OUTREACH

Public Outreach performed during this period:

- Responded to citizen and business inquiries.

5. INSPECTION & MATERIAL TESTS PERFORMED

- None at this time

6. CHANGE ORDERS / TASK ORDER

- In PM 18, it was agreed Micropile VEP as a separate change order, to include micropile load testing
- Pepco conduit demolition and bedrock excavation as one change order

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



Field Meeting with Pepco



Relocation of Verizon Cables (by others)



Relocation of Verizon Cables (by others)



Pepco Work – Excavation for the New Manhole



Pepco Work – Installation of new 4-foot x 4-foot Manhole



Storage of Canal Wall Stones Inside the Canal



Pepco work – Connecting the New Conduits to the New Manhole



Pepco Work – Connecting the New Conduits to the New MH