

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



Construction Management Weekly Report
10/05/2019 – 10/11/2019

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: None at this time

New Issues / Items: None at this time

Action Items: None at this time

New Action Items: None at this time

3. MEETINGS / PROJECT COORDINATION

- Utilities – Field Meeting with Verizon was held on October 10, 2019.
- Progress Meeting No. 13 will be held on Wednesday October 16, 2019.
- Utilities – meeting with Verizon and Pepco on site on Tuesday, October 15, 2019.

4. DAILY WORK PERFORMED

Field construction activities performed during this period:

Saturday – 10/05/2019

- 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 – 10/06/2019

- 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.
- DC Water shutdown the water line on 31st Street and Omni Excavators completed the tie-in of the new watermain and fire hydrant to the existing watermain on the north and south sides of the bridge.
- FMCC did not work on this date.

Monday – 10/07/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- FMCC resumed the demolition of the existing bridge superstructure and started the removal of the remaining beams.
- FMCC continued de-watering the work zone.

Tuesday – 10/08/2019

- 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.
- FMCC continued de-watering the work zone.

Wednesday – 10/09/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets. The contractor replaced the VMS sign on EB M Street with a static sign.
- FMCC continued the installation of the Canal Wall support.
- Omni Excavators backfilled the water main trench located on 31st Street on the north side of the bridge.
- FMCC continued de-watering the work zone.

Thursday – 10/10/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- FMCC completed the installation of the Canal Wall support and started the removal of the remaining beams.
- FMCC continued de-watering the work zone.

Friday – 10/11/2019

- 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.
- Omni Excavators backfilled the water main and fire hydrant trenches located on 31st Street at the south side of the bridge.
- FMCC continued de-watering the work zone.

4. PUBLIC OUTREACH

Public Outreach performed during this period:

- Responded to citizen and business inquiries. Sent announcement and followed up with ANC and citizens regarding DC Water shut down request on Sunday, October 6, 2019. Discussions with BID regarding removal of graffiti on the pedestrian bridge.

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.

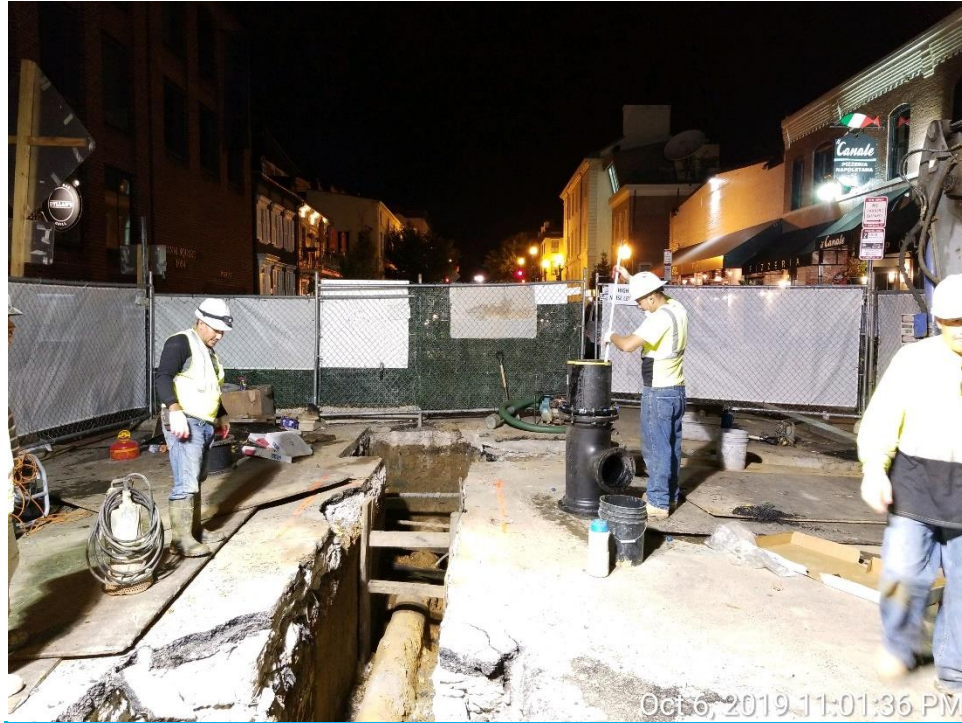
7. DBE PARTICIPATION SUMMARIES

- None at this time.

8. ACCIDENTS / INCIDENTS

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

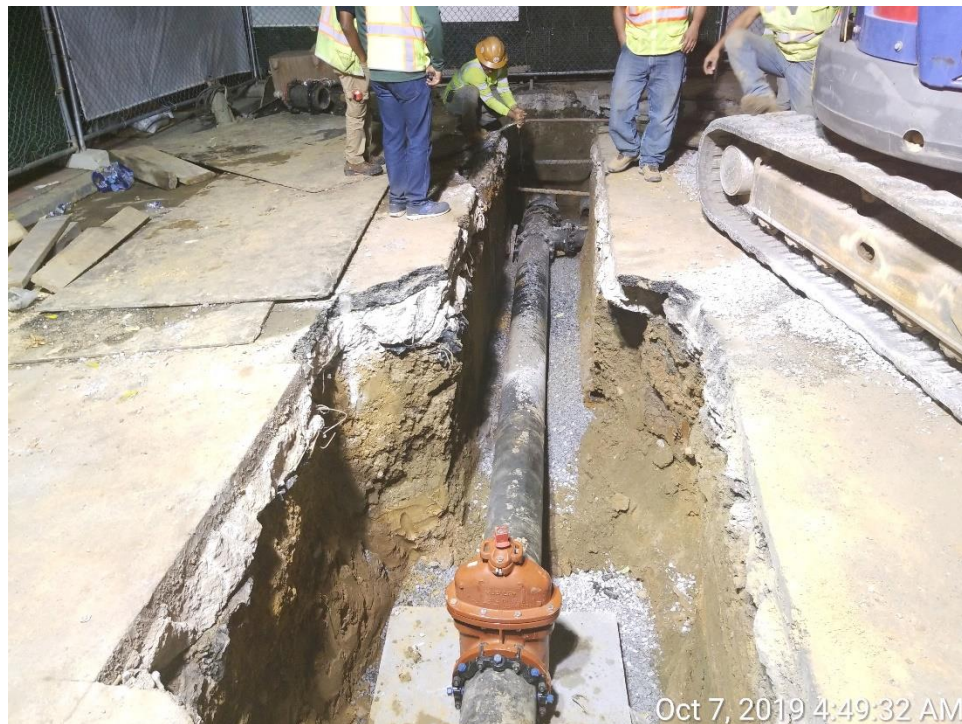
PHOTOS OF WORK PERFORMED THIS PERIOD



DC Water Shut Down for Water Main Tie-in



DC Water Shut Down for Water Main Tie-in



DC Water Shut Down for Water Main Tie-in



Demolition of Existing Bridge Superstructure



Backfilling Water Main Trench – North Side of the Bridge



Replacement of VMS with Static Sign – EB M Street



Utility Relocation – Field Meeting with Verizon