

**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

8/10/2019 – 8/16/2019

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. Flooding of the canal continues and the cofferdams are working properly. Pier footing investigation was completed and Pier restoration plan is progressing. The water main relocation at the north and south sides of the bridge is in progress.

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

- Pepco/DDOT/FMCC coordination meeting was held on Wednesday August 14, 2019.
- Pier X-Ray Meeting was held on Wednesday August 14, 2019.
- Progress Meeting No. 9 will be held on Wednesday August 21, 2019.

4. DAILY WORK PERFORMED

Field construction activities performed during this period:

Saturday – 8/10/2019

- 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.

Sunday – 8/11/2019

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

Monday – 8/12/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets. Traffic monitoring at the intersection M and 31st Streets continued.
- Omni Excavators did not work on this date.
- FMCC continued de-watering the work zone.

Tuesday – 8/13/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- FMCC temporarily detoured pedestrian traffic, maintaining access to all businesses, while the DC Water crew working at the NE side of the bridge.

- DC Water completed the CCTV inspection of the connect pipe at the NE side of the bridge. The DC Water CCTV Inspectors found no issue with the connect pipe, and DC Water contacted their subcontractor – Anchor – to find out the leakage cause around the manhole and in the Canal Wall.
- Omni Excavator moved to the south side of the bridge and dug two test pits to locate the existing water main and service lines.
- FMCC continued de-watering the work zone.

Wednesday – 8/14/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- Omni Excavator continued the test pitting on 31st Street at the south side of the bridge to locate the water main and service lines.
- FMCC continued de-watering the work zone.

Thursday – 8/15/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- FMCC installed pavement marking for crosswalk on 31st Street at the north side of the bridge.
- Omni Excavator did not work on this date.
- FMCC continued de-watering the work zone.

Friday – 8/16/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets. Traffic monitoring at the intersection M and 31st Streets continued.
- DC Water subcontractor – Anchor – completed the water main repairs at the northeast side of the bridge. Further work by Anchor identified a damaged, leaking connect pipe, which was contrary to the CCTV findings. Anchor proceeded to replace the connect pipe, under the direction of the DC Water engineer, between the existing manhole and catch basin at the location.
- FMCC completed the building inspection and documented the interior section of the adjacent buildings at the properties at the four corners of the bridge.
- Omni Excavator did not work on this date.
- FMCC continued de-watering the work zone.

5. PUBLIC OUTREACH

Public Outreach performed during this period:

- Responded to citizen and business inquiries regarding parking enforcement on 31st Street.

6. INSPECTION & MATERIAL TESTS PERFORMED

- None at this time.

7. CHANGE ORDERS / TASK ORDER

- No change orders this week

8. DBE PARTICIPATION SUMMARIES

- None at this time.

9. ACCIDENTS / INCIDENTS

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

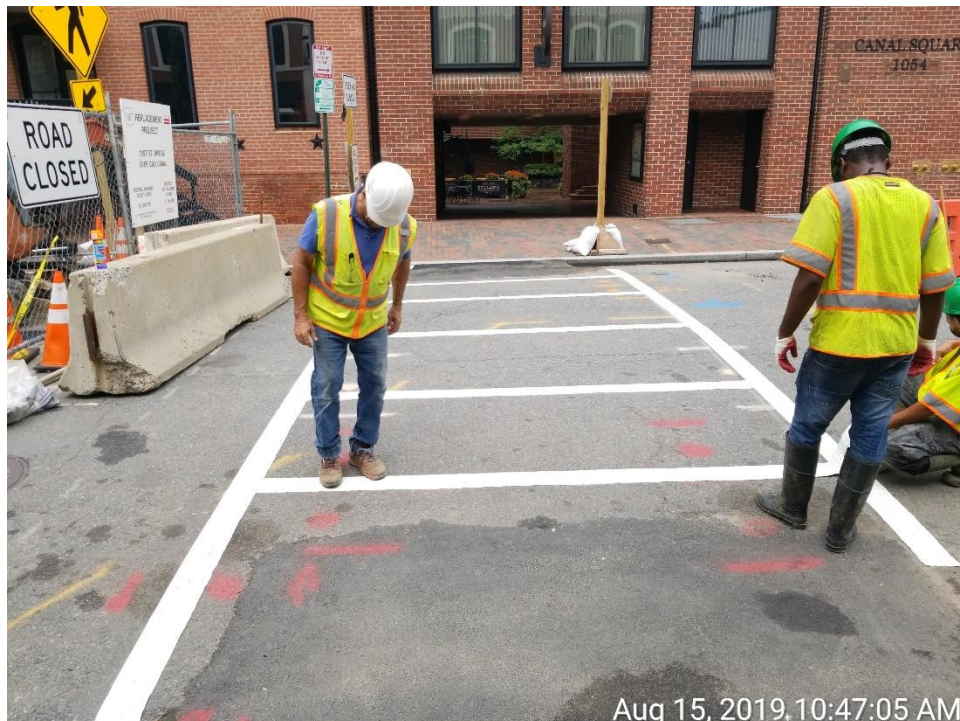
PHOTOS OF WORK PERFORMED THIS PERIOD



Test Pit for existing Water Main South of the Bridge



Work Zone Dewatering – East Side of the Canal



Repair of Crosswalk - North Side of the Bridge



Repair Work of Existing Water Line - North Side of the Bridge



Replacing the Damaged Section of the Connect Pipe



Installation of New Power Feed from Thomas Jefferson Street



Aug 14, 2019 1:37:45 PM

Pepco Field Meeting