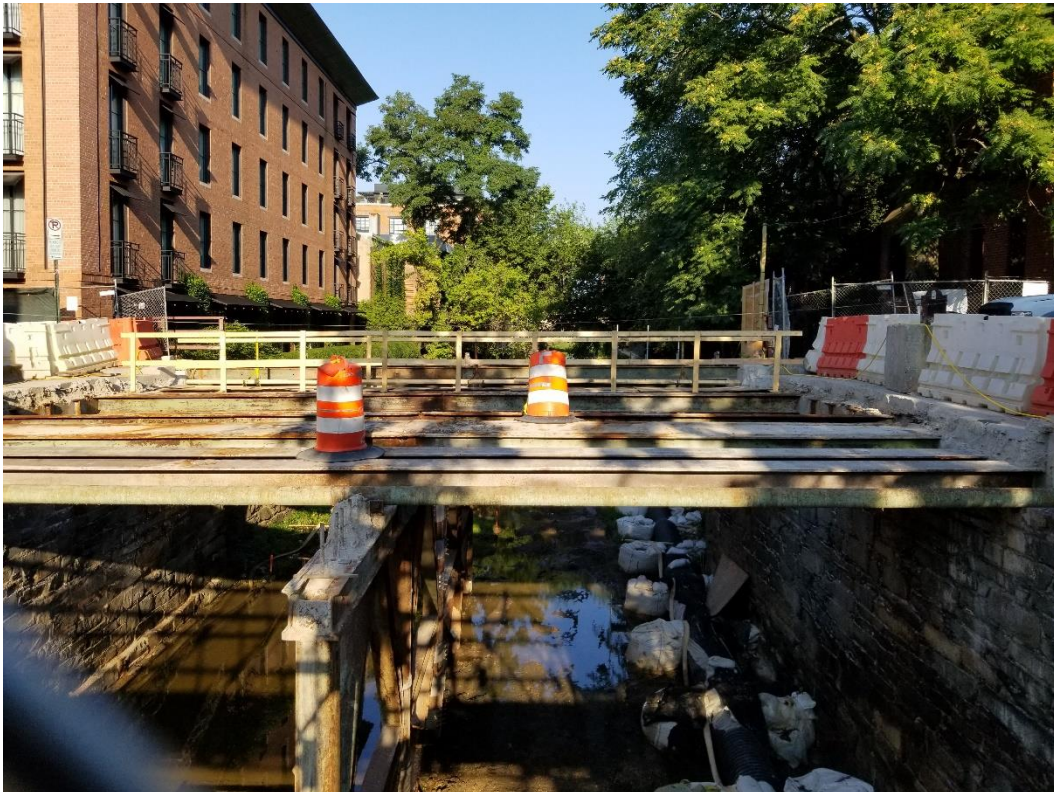


**Replacement of the 31<sup>ST</sup> Street, NW  
Bridge over C&O Canal  
(Bridge No. 3)  
DCKA-2018-C-0056  
FAP No:2017(037)**



31<sup>st</sup> Street Bridge over C&O Canal

**Construction Management Weekly Report**

**8/24/2019 – 8/30/2019**

**Project Website: [www.31stStreetBridge.com](http://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 continued. The excavation for the pier footing continued.

**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

- Progress Meeting No. 10 will be held on Wednesday September 04, 2019.

## 4. DAILY WORK PERFORMED

**Field construction activities performed during this period:**

### Saturday – 8/24/2019

- The 31<sup>st</sup> 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 – 8/25/2019

- The 31<sup>st</sup> 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 – 8/26/2019

- The 31<sup>st</sup> 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 31<sup>st</sup> Streets continued.
- FMCC temporarily detoured pedestrian traffic, maintaining access to all businesses, while the Omni Excavators crew worked at the northeast side of the bridge. The contractor placed plywood, secured the trench, and re-opened the sidewalk by 4:00 pm. Flagger service was provided to assist pedestrians and to control traffic while construction vehicles entered and left the work zone.
- Omni Excavators continued the water main relocation and started the placement of 8-inch DIP at the northeast side of the bridge in front of Georgetown Inn. All work was performed under direct supervision of DC Water inspector.
- FMCC continued the excavation for the pier footings around columns #1 and #2.
- FMCC continued de-watering the work zone.

### Tuesday – 8/27/2019

- The 31<sup>st</sup> 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 Omni Excavators crew worked at the northeast side of the bridge. The contractor placed plywood, secured the trench, and re-opened the sidewalk by 4:00 pm. Flagger service was provided to assist pedestrians and to control traffic while construction vehicles entered and left the work zone.
- Omni Excavators continued the water main relocation at the northeast side of the bridge. The contractor continued the installation of 8-inch DIP WM, and 8-inch DIP Butterfly Valve. All work was performed under direct supervision of DC Water inspector.
- FMCC completed the excavation for the pier footings around columns #1 and #2, and started the excavation around columns #3 & #4.
- FMCC continued de-watering the work zone.

**Wednesday – 8/28/2019**

- The 31<sup>st</sup> 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 Omni Excavators crew worked at the northeast side of the bridge. The contractor placed plywood, secured the trench, and re-opened the sidewalk by 4:00 pm. Flagger service was provided to assist pedestrians and to control traffic while construction vehicles entered and left the work zone.
- Omni Excavators continued the water main relocation at the northeast side of the bridge in front of Georgetown Inn. The contractor installed the end section of the 8-inch DIP WM, and backfilled the trench using #CR-6 aggregate. All work was performed under direct supervision of DC Water inspector.
- FMCC continued de-watering the work zone.

**Thursday – 8/29/2019**

- The 31<sup>st</sup> Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- Omni Excavators continued the excavation for the water main relocation at the north side of the bridge. The contractor saw cut the existing asphalt pavement and continued the trench excavation.
- FMCC continued the excavation for the pier footings around columns #3 and #4. The excavation performed on this date revealed bedrock between column 3 and 4, approximately 6 inches below the bottom of the canal bed.
- FMCC continued de-watering the work zone.

**Friday – 8/30/2019**

- The 31<sup>st</sup> 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 31<sup>st</sup> Streets continued.
- Omni Excavator started the excavation for the water main relocation at the south side of the bridge.
- FMCC elected to stop the excavation for the pier footing between columns #3 & #4, after the discovery of the shallow bedrock. FMCC will await further direction.
- FMCC continued de-watering the work zone.



## 5. PUBLIC OUTREACH

Public Outreach performed during this period:

- Responded to citizen and business inquiries regarding construction activities and parking enforcement on 31<sup>st</sup> Street.

## 6. INSPECTION & MATERIAL TESTS PERFORMED

- None at this time.

## 7. CHANGE ORDERS / TASK ORDER

- Processing Article 3 for Pepco conduits encasement and for the bedrock at the pier footings.

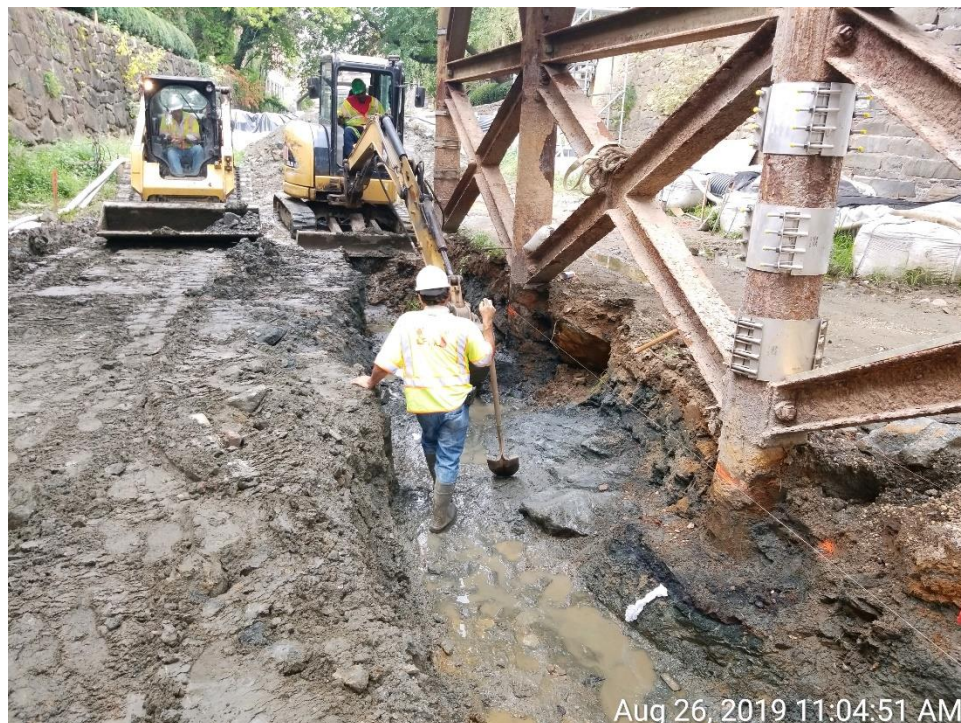
## 8. DBE PARTICIPATION SUMMARIES

- None at this time.

## 9. ACCIDENTS / INCIDENTS

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

## PHOTOS OF WORK PERFORMED THIS PERIOD



Aug 26, 2019 11:04:51 AM

Excavation for Pier Footings





Aug 26, 2019 11:43:25 AM

Installation of 8-Inch DIP Water Main



Aug 27, 2019 10:33:04 AM

Pier Footings Excavation





Installation of 8-Inch DIP Butterfly Valve



Pier Footings - Rock Excavation at Columns #3 &amp; #4





Backfilling the 8-Inch Water Main Trench



Installation of Water Main End Section at the North Side of the Bridge





**VOLKERT**  
Engineering, P.C.



Excavation for the Water Main Relocation at the South Side of the Bridge