

**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**

**6/22/2019 – 6/28/2019**

**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 then opened for use on 6/28/19. Demolition of the existing deck started and continued through the week. Coordination with Washington Gas is on-going as they are on-site abandoning their existing lines.

**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 field meeting was held on June 27, 2019.
- Progress Meeting #5 was held on June 26, 2019.
- Micropile Contractor (CCGI) field meeting was held on June 25, 2019.

## 4. DAILY WORK PERFORMED

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

### Saturday – 6/22/2019

- FMCC did not work on this date.

### Sunday – 6/23/2019

- FMCC did not work on this date.

### Monday – 6/24/2019

- The 31<sup>st</sup> Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets. Traffic monitoring at the intersection M and 31<sup>st</sup> Streets continued.
- FMCC continued installation of decking and walkway on the pedestrian bridge.
- FMCC continued the demolition of the bridge deck and continued the cut/lift demolition of the existing bridge deck at the eastern section of the bridge. All demolition work started after 8:00AM and the noise level was monitored with a noise meter.
- Washington Gas contractor (DCI) continued the cut/cap of the existing line at the north side of the bridge. The contractor located the line on this date.

### Tuesday – 6/25/2019

- The 31<sup>st</sup> Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets. Traffic monitoring at the intersection M and 31<sup>st</sup> Streets continued.
- FMCC continued installation of decking and walkway on the pedestrian bridge. Elevations verifications were conducted at the existing towpath and the pedestrian bridge at the northeast side. In order to match the bridge grades with the tow path, FMCC will install an asphalt access ramp at the north towpath.
- FMCC continued the demolition of the bridge deck, removed the existing bridge railing, and continued to cut/lift the existing bridge deck at the eastern section of the bridge. All demolition work started after 8:00AM and the noise level was monitored with a noise meter.

- FMCC's surveyor was onsite locating all proposed pile locations at the north side of the bridge.
- Washington Gas contractor (DCI) exposed the existing gas line at the north towpath and continued the cut/cap of the existing line.

**Wednesday – 6/26/2019**

- 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 continued the construction of the pedestrian bridge and installed steel chain link fence on both sides of the pedestrian bridge.
- FMCC installed the asphalt access ramp connecting the pedestrian bridge and the north towpath. The contractor placed geotextile fabric followed by asphalt pavement for the access ramp which extends 47 feet long and 7 feet wide. The north towpath trail was temporary closed during the placement of asphalt and NPS was notified.
- FMCC continued the demolition of the bridge deck and continued to cut/lift the existing bridge deck at the middle section of the bridge. All demolition work started after 8:00AM and the noise level was monitored with a noise meter.
- Washington Gas contractor (DCI) continued the cut/cap of the existing line at the north side of the bridge.

**Thursday – 6/27/2019**

- The 31<sup>st</sup> Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets. Traffic monitoring at the intersection M and 31<sup>st</sup> Streets continued.
- FMCC continued the construction of the temporary pedestrian bridge and applied anti-skid paint on the bridge walkway.
- FMCC continued the demolition of the bridge deck and continued to cut/lift the existing bridge deck at the middle section of the bridge. All demolition work started after 8:00AM and the noise level was monitored with a noise meter.
- A site meeting with Pepco was held to discuss the bridge deck demolition on top of existing live lines. FMCC requested a temporary shut down and Pepco will review and respond.
- Washington Gas contractor (DCI) continued the cut/cap of the existing line at the north side of the bridge.

**Friday – 6/28/2019**

- The 31<sup>st</sup> Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets. Traffic monitoring at the intersection M and 31<sup>st</sup> Streets continued.
- FMCC opened the temporary pedestrian bridge to public traffic and closed the temporary walkway at the western section of the bridge.
- FMCC continued the demolition of the bridge deck and continued to cut/lift the existing bridge deck at the western section of the bridge. All demolition work started after 8:00AM and the noise level was monitored with a noise meter.
- FMCC installed asphalt curb along the north side of the pedestrian bridge access ramp to divert the water away from Georgetown House.
- Washington Gas contractor (DCI) continued the cut/cap of the existing line at the north side of the bridge.



## 5. PUBLIC OUTREACH

Public Outreach performed during this period:

- Followed up with the ANC about the detour and responded to citizen and business inquiries.

## 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.

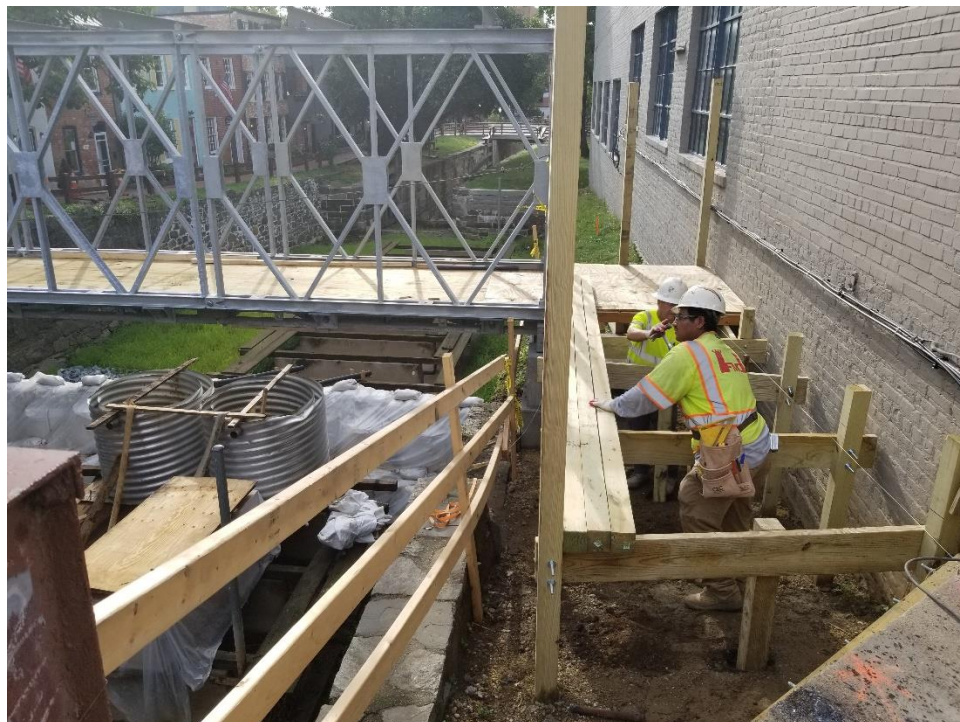
## PHOTOS OF WORK PERFORMED THIS PERIOD



Demolition of the Existing Bridge Deck



Demolition of the Existing Bridge Deck



Construction of Pedestrian Bridge Walkway Decking





Installation of Asphalt Accessway on North Side of Pedestrian Bridge

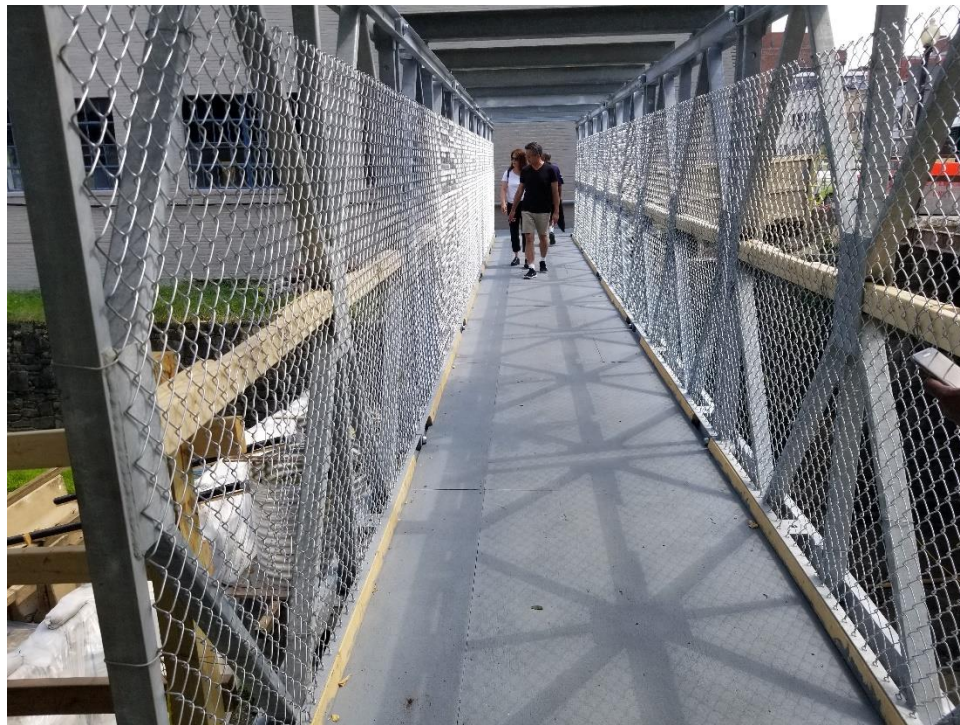


Installation of Steel Chain Link Fence on the Pedestrian Bridge





Application of Anti-Skid Paint on the Pedestrian Bridge Walkway Decking



Opening the Pedestrian Bridge to Traffic





Washington Gas Cut/Tap Work s



Field Meeting with Micropyle Contractor (CCGI)





Installation of Asphalt Curb Along Georgetown House



Cleaning DC Water Inlet Protection