

**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

6/29/2019 – 7/05/2019

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 then opened for use on 6/28/19. Demolition of the existing deck continued through the week and some of the existing beams were removed. 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 July 2, 2019
- DC Water field meeting was held on July 3, 2019
- Progress Meeting #6 is scheduled for July 10, 2019

4. DAILY WORK PERFORMED

Field construction activities performed during this period:

Saturday – 6/29/2019

- 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 cleaned the canal walls.

Sunday – 6/30/2019

- 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 – 7/01/2019

- 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.
- 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.
- FMCC installed updated NO PARKING signs on 31st Street south and north sides of the bridge.
- NPS opened the canal to water over the weekend and water started to approach the cofferdam.
- Washington Gas contractor (DCI) continued capping the existing line at the north side of the bridge.

Tuesday – 7/02/2019

- 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.
- FMCC continued the demolition of the bridge deck at the south and west sections of the bridge. Approximately 90% of the deck demolition work is completed.
- PEPCO field meeting was held on this date to discuss the demolition of concrete on top of the existing live line.
- The canal continued to fill with water and the work zone behind the cofferdams was not impacted.
- Washington Gas contractor (DCI) continued capping the existing line at the north side of the bridge.

Wednesday – 7/03/2019

- 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.
- FMCC continued the demolition of the bridge deck and started the removal of beam and bridge railing. The contractor completed the removal of the railing on both sides and removed 11 beams.
- The water elevation in the canal was approximately 2 feet deep at the cofferdam. The cofferdam leaked, and the work zone flooded. The high level of water stopped all activities under the bridge.
- A field meeting was held on this date between DC Water, FMCC, and FMCC's subcontractor to discuss the upcoming water line relocation.
- Washington Gas contractor (DCI) continued the capping works at the north side of the bridge.

Thursday – 7/04/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- Independence Day Holiday. No work performed on this date.

Friday – 7/05/2019

- 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.
- FMCC cancelled all scheduled demolition work due to the high-water level in the canal. The contractor conducted a general site cleaning, picked up the previously removed beams and railing, and continued monitoring the water surge.

5. PUBLIC OUTREACH

Public Outreach performed during this period:

- 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.

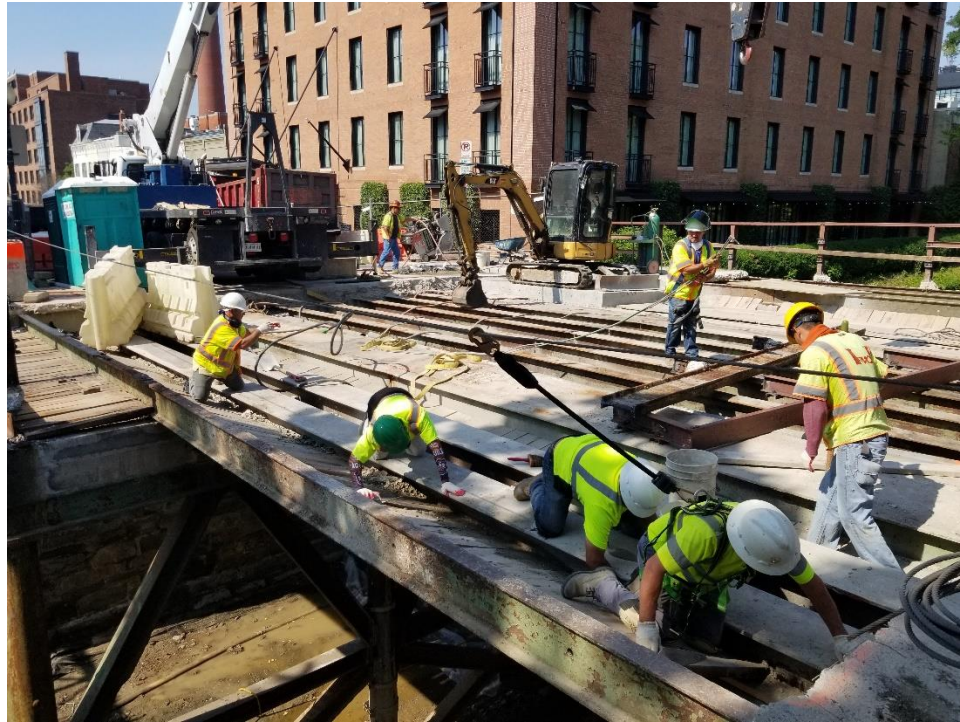
9. ACCIDENTS / INCIDENTS

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

PHOTOS OF WORK PERFORMED THIS PERIOD



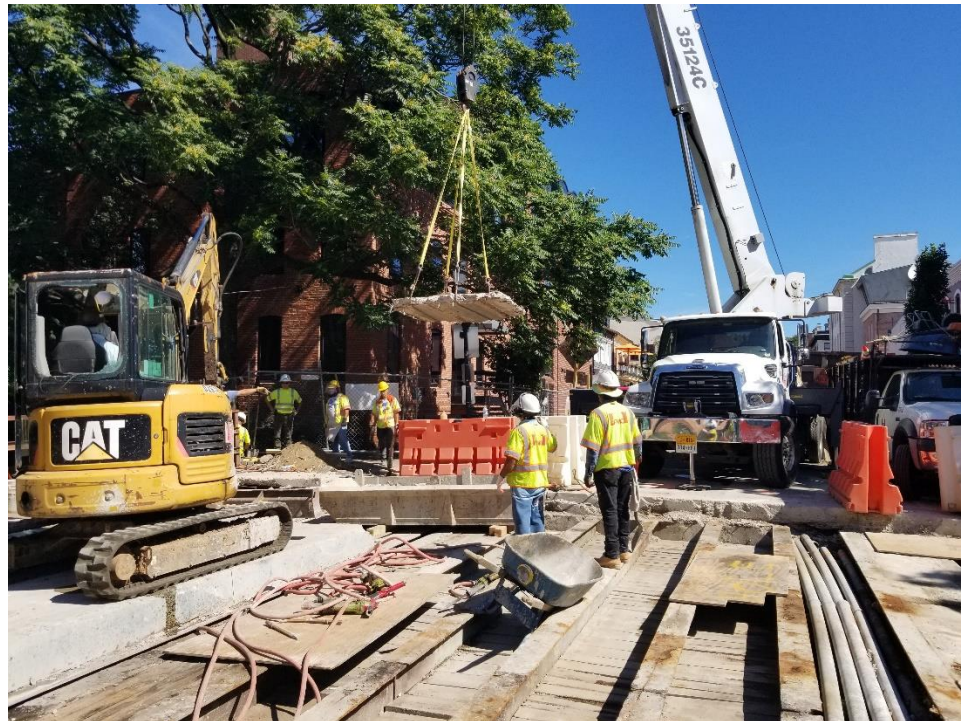
Demolition of the Existing Bridge Deck



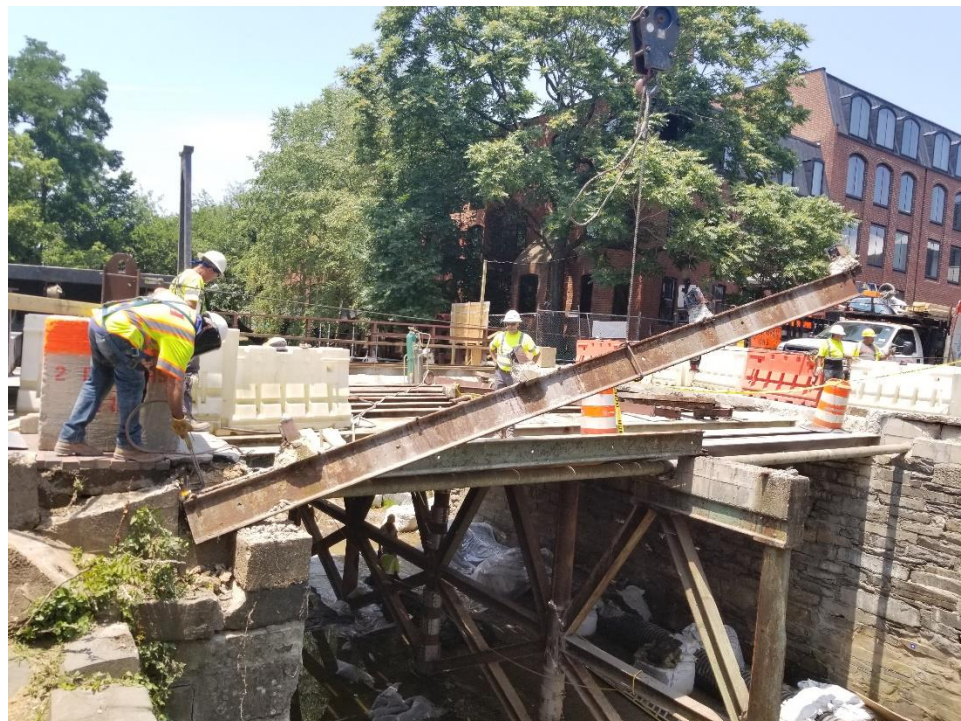
Demolition of the Existing Bridge Deck



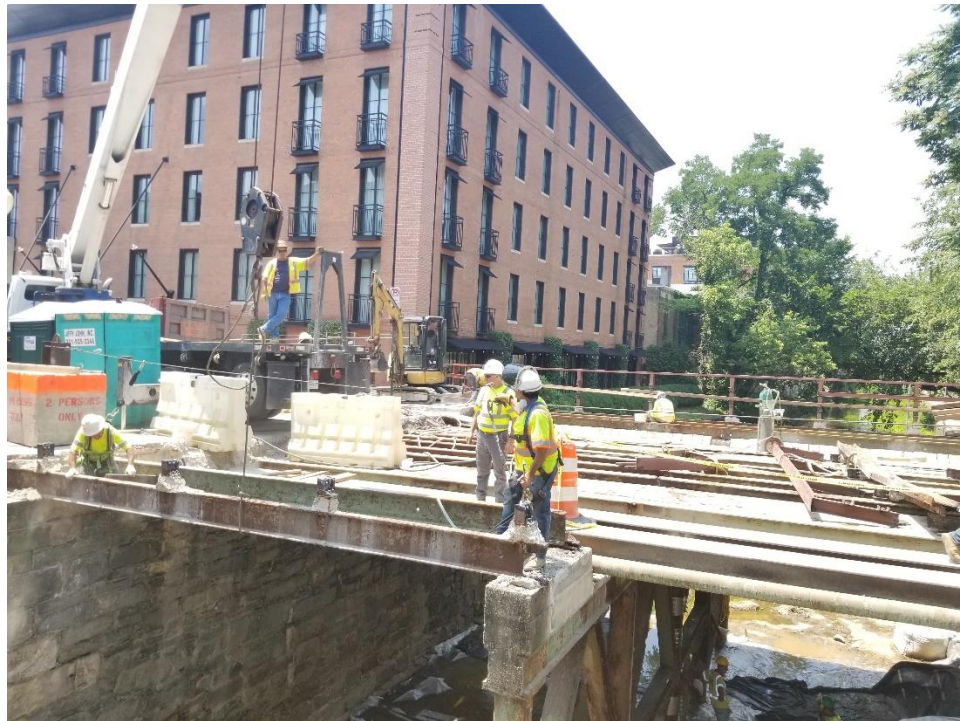
Demolition of the Existing Bridge Deck



Demolition of the Existing Bridge Deck



Removal of the Existing Bridge Beams



Removal of the Existing Bridge Beams



Removal of the Existing Bridge Beams



Installation of No Parking Signs on North Side of the Bridge



Tapping Existing Gas Line



Field Meeting with PEPCO



High Water Level Under the Bridge



Installation of Warning Signs