

**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

7/20/2019 – 7/26/2019

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 June 28, 2019. Filling of the Canal continues and the cofferdams are working properly. Pier footing excavation was completed and all footings were exposed and investigated.

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 #7 was held on Wednesday July 26, 2019

4. DAILY WORK PERFORMED

Field construction activities performed during this period:

Saturday – 7/20/2019

- 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 – 7/21/2019

- 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 – 7/22/2019

- 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 cleaned the Canal in preparation for upcoming water opening and installed pumps at all four pumping stations inside the work zone.
- FMCC installed a fence wrap adjacent to Rosewood Hotel.

Tuesday – 7/23/2019

- 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 did not work on this date due to the weather conditions.

Wednesday – 7/24/2019

- 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 started excavation around historic pier foundations and exposed the footing of Pier #1. Observation revealed that the pier is sitting on steel plate, which rests on top of rock. No concrete foundations were found. The exposed footing will be observed by the NPS conservator.

Thursday – 7/25/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- FMCC completed the excavation around the historic pier foundations and exposed the footing of piers #2, 3, 4, & 5. Observation revealed that the piers are sitting on steel plates which rest on top of rock. Concrete foundations were not found at any of the piers. The contractor backfilled all footings exposed on this date; pier #1 footing remains exposed awaiting the NPS conservator site visit scheduled next week.

Friday – 7/26/2019

- 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 elected not to work on this date.

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



Excavation of Pier Footing – Pier #1



Excavation of Pier Footing – Pier #1



Pier #1



Pier #2



Pier #3



Pier #4



Pier #5



Water Pumping Station Inside the Work zone



Canal Filling - Upstream Side of Cofferdam West of the Bridge



Fence Wrap Adjacent to Rosewood Hotel