

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



Construction Management Weekly Report

8/17/2019 – 8/23/2019

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. 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 final recommendations from the Conservator. The water main relocation at the north and south sides of the bridge continues. The Verizon Business (MCI) manhole was relocated, and the excavation for the Pier footing started.

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. 9 was held on Wednesday August 21, 2019.

4. DAILY WORK PERFORMED

Field construction activities performed during this period:

Saturday – 8/17/2019

- 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 – 8/18/2019

- 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 – 8/19/2019

- 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 resumed the water main relocation and continued the trench excavation at the northeast side of the bridge in front of Georgetown Inn.
- The MCI subcontractor was onsite to relocate the manhole located south of the bridge. The contractor demolished the existing brick manhole and started the excavation for the new manhole.
- FMCC continued de-watering the work zone.

Tuesday – 8/20/2019

- The 31st Street detour remained in effect and FMCC continued providing local and business traffic access at M and K Streets.
- Omni Excavators continued the trench excavation for the water main at the northeast side of the bridge in front of Georgetown Inn. The contractor removed the bricks, demolished the 4-inch PCC base, and completed the excavation to the designed grade.

- The MCI subcontractor was onsite to relocate the manhole, and continued the excavation for the new manhole.
- FMCC continued de-watering the work zone.

Wednesday – 8/21/2019

- 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 Omni Excavators crew worked at the NE side of the bridge. Pedestrian bridge traffic was detoured through the Canal tow path to Thomas Jefferson Street.
- Omni Excavator continued the excavation for the water main relocation at the northeast side of the bridge.
- The MCI subcontractor installed the manhole and completed all MCI work in the project, south of the bridge.
- FMCC continued de-watering the work zone.

Thursday – 8/22/2019

- 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 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 de-watering the work zone.

Friday – 8/23/2019

- 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.
- Omni Excavator continued the excavation for the water main relocation at the north side of the bridge.
- FMCC started the excavation for the pier footings, and performed excavation around Pier #1 and Pier #2.
- FMCC continued de-watering the work zone.

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

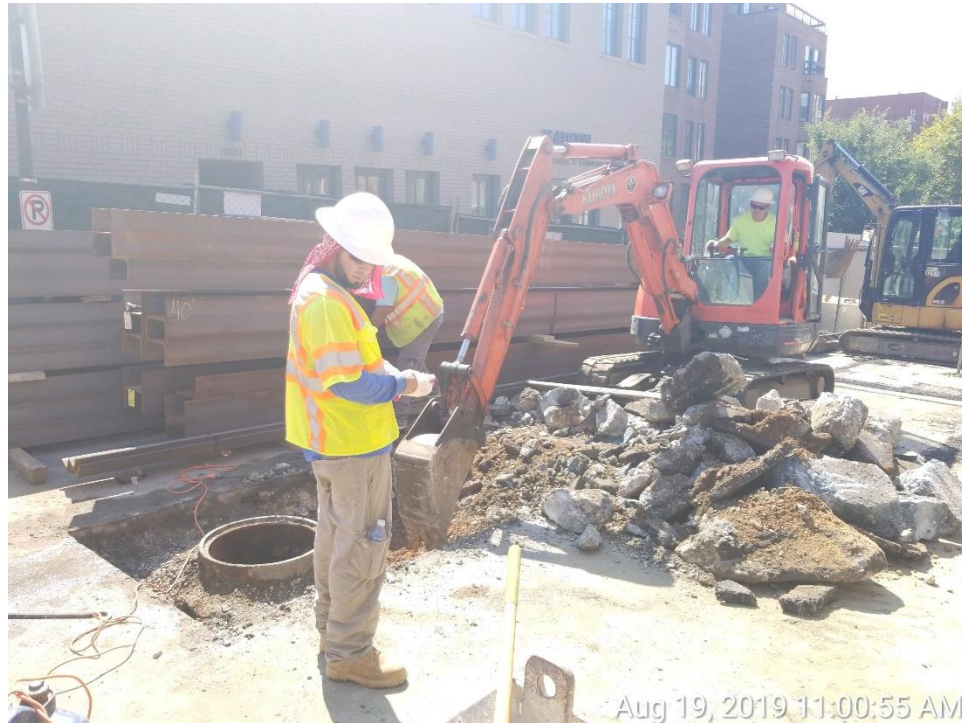
8. DBE PARTICIPATION SUMMARIES

- None at this time.

9. ACCIDENTS / INCIDENTS

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

PHOTOS OF WORK PERFORMED THIS PERIOD



Aug 19, 2019 11:00:55 AM

Demolition of Existing MCI Manhole

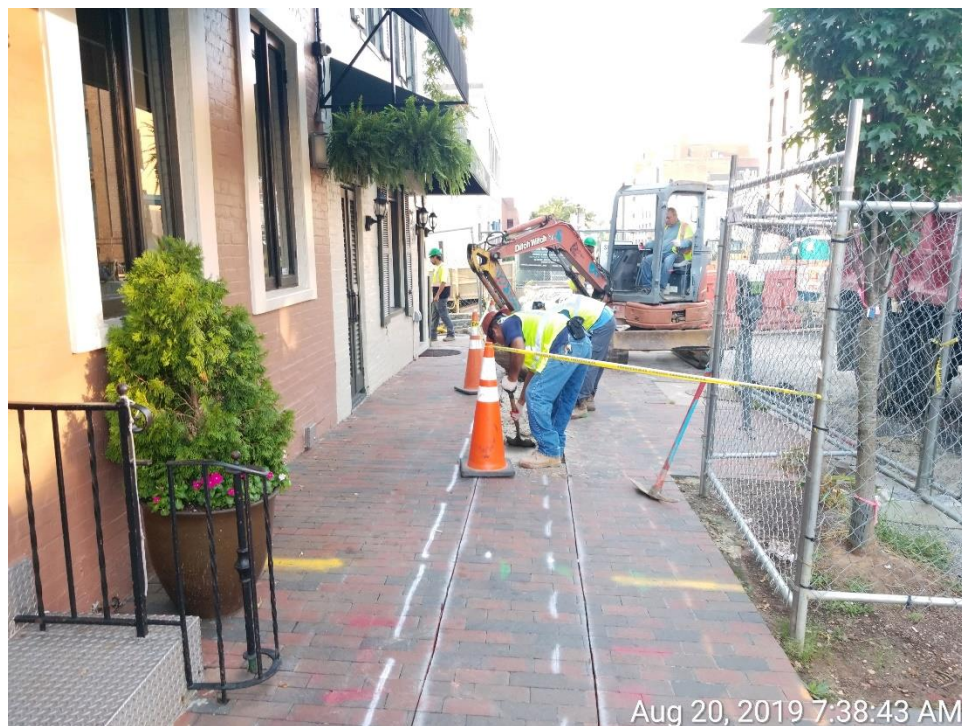


Aug 19, 2019 11:03:59 AM

Water Main Relocation – Northeast Side of the Bridge



Ongoing De-watering the Work Zone



Excavation for Water Main Relocation



Maintaining the Sidewalk During Excavation for Water Main



Cleaning and Securing the Trench



Aug 21, 2019 8:48:21 AM

Installation of the New MCI Manhole South of Bridge



Aug 23, 2019 11:11:43 AM

Excavation for the Pier Footings