

REHABILITATION OF FRANCIS SCOTT KEY BRIDGE
FROM ROSSLYN, ARLINGTON, VIRGINIA TO GEORGETOWN WASHINGTON, DC
DC Contract No.: DCKA-2014-C-0074

FAP No.: BH-1104 (013)

CONSTRUCTION MANAGER'S
WEEKLY PROGRESS REPORT
From 11/13/2016 to 11/19/2016

Project Website: www.keybridgeproject.com



1. EXECUTIVE SUMMARY

Project Description:

The AECOM Construction Management and Inspection team is providing construction and inspection services for the Rehabilitation of the Francis Scott Key Bridge over the Potomac River (Bridge No. 0007), G.W. Parkway, Whitehurst Freeway and the C & O Canal that includes the East Ramp Structure to the Whitehurst Freeway.

The scope of the construction work includes the following:

1. Installing pedestrian/bicycle detection loops and warning flashers on the Bridge at the ramp to east-bound Whitehurst Freeway.
2. Cleaning and painting the existing steel pedestrian railing on the bridge.
3. Removing the concrete bollards from the east sidewalk at the east ramp exit.
4. Removing and installing new street light poles on the bridge.
5. Removing and resetting portion of the precast concrete traffic barrier on the Bridge.
6. Repairing the precast concrete traffic barrier and grout pads.
7. Repairing the Northwest concrete traffic barrier end post.
8. Strengthening the deck overhangs with carbon fiber reinforced polymer bars.
9. Repairing the concrete wearing surface on the bridge.
10. Repairing grout pockets at the post-tensioned deck hold down bolts.
11. Replacing the non-armored expansion joint seal (B-0007 and East Ramp).
12. Replacing the armored expansion joint seals (B-0007 and East Ramp)
13. Overlaying the right lanes (inbound and outbound directions) on the bridge with a high molecular weight methacrylate resin (HMWM) overlay.
14. Milling and overlaying the Rosslyn approach structure with a very high early strength latex-modified concrete (LMC-VE).
15. Cleaning debris from all bridge deck drainage scuppers and pier chambers.
16. Removing and replacing the Bridge deck drainage downspout.
17. Rehabilitating the support for a 30-inch Washington Aqueduct water main on the bridge.
18. Repairing portions of the concrete encased and the reinforced concrete floor beams.
19. Cleaning and painting the exposed end of the steel floor beams.
20. Replacing failed concrete deck pedestals.
21. Replacing portions of the utility gallery floor slabs full depth.
22. Repairing portions of the concrete superstructure, including but not limited to: deck soffit, deck pedestals, spandrel arches, spandrel columns, main arches, diaphragm walls, deck slab, and arch struts.
23. Repairing portions of the concrete substructure, including the piers, abutments, abutment chambers, and wing walls.
24. Encapsulating the pier footings with fiber reinforced polymer jackets at the waterline.
25. Removing and replacing the fixed steel access ladder at North abutment.
26. Installing a new fixed steel access ladder at the South abutment.
27. Removing and replacing portion of chain link fencing (bridge access deterrent) on the main arches.
28. Cleaning the Bridge fascia with pressurized water.
29. Applying an anti-graffiti treatment to portions of the piers.
30. Removing and applying new pavement markings (B-0007 and East Ramp).
31. Maintenance of pedestrian and vehicular traffic during construction of the project, including temporary lane and sidewalk closures necessary to perform the work.

2. STATUS OF CONSTRUCTION / PROGRESS SUMMARY

Progress Summary:

1. Continued efforts to setup coordination meetings with Pepco.
2. Continued to update the RFI and submittal logs.
3. Continued to document and generate project meeting minutes.
4. Continued to receive and transmit RFI's and submittals to the appropriate discipline for review.
5. Continued to maintain project filing and document management systems (electronics).
6. Continued to maintain and manage the Project SharePoint.
7. Contractor continued taking deliveries of scaffolding materials to site.
8. Continued erection of the scaffolding system at the North abutment.
9. Completed cleaning of debris around pier 5.
10. Completed development of the TCP for Water St. from 34th Street toward West.
11. Completed PCO-01 negotiations, started working on the full PCO-01 package. Received approval of Fed.1365.
12. Continued discussions about stockpile items payments and cost.
13. Continued negotiations of scaffolding payment schedule.
14. Continued to update the project website.

CM Community Outreach Activities

The team visited and communicated with the key stakeholders during the week to give them project status updates and identify any concerns that they might have about the project.

Site Visits:

- Malmaison -Zubair Popal – Sean visited on 11/18 and spoke to Zubair. Zubair was updated on the progress of scaffolding erection. He had no major concerns at this time.

Other Stakeholder Contact:

- Sean communicated with Potomac Boat Club about scaffolding and future river impacts on 11/14.
- John reached out and established a working relationship with Heidi Tseu of Georgetown University's Office of Community Engagement on 11/15.
- Joyce checked in with WABA on 11/15 to see if they had any concerns or suggestions related to the installation of scaffolding and any potential impingements caused by the plan to hang scaffolding from the edge of the bridge.
- Joyce organized a Property Manager stakeholder meeting with Rosslyn BID on 12/1.
- Joyce will be presenting the PPT for the public information meeting. Joe/Sean will lead the Q&A. Rosslyn BID staff invited Arlington County officials to participate in the meeting.
- Joyce followed up with Michelle on 11/21 concerning the draft press release submitted to DDOT on 11/2. The purpose of the press release is to increase public awareness around the project.
- Team met onsite with PEPCO representatives to coordinate relocation of overhead lines attached to the concrete pillars.

Notes:

- There are major issues and concerns with any scaffolding erection plan that might affect the side-walks on the bridge. The communications team needs to be engaged with DDOT and Technopref so that any impacts can be communicated to stakeholders in a timely manner and plans developed to detail any required mitigation on impacts.
- The communications team needs to confirm timing of Technopref's plan to close first bridge arch for scaffolding erection so proper notification can be made to the public.

- Technopref's barge plan needs to be coordinated with the communications team and the harbor police so that any questions from the public on river navigation can be addressed and details about the closure can be added to the project website.
- Confirmed meeting at Rosslyn BID on 12/1.
- Sean will attend ANC 2E meeting on 11/28 and CAG meeting on 11/29.

Key Takeaways:

- Stakeholders are feeling better about the project as DDOT has shown a willingness to address their concerns and make changes that are beneficial to them.
- Congestion and the mix of cyclists, vehicles and pedestrians continue to be a major issue. However AECOM developed a plan to resolve it. The plan was submitted to DDOT on November 18, 2016.
- PEPCO and DDOT coordination is still important, as problems created by PEPCO's work may have negative repercussions for DDOT as opposed to PEPCO even though they may be at fault.

3. ISSUES / ACTION ITEMS

- **Ongoing Issues / Items:**
- Action Items: NPS issued Limited Special Use permit, and is continuing to work on the full permit to provide access to the river.
- **New Issues / Items:** None, except as noted elsewhere in this report.

4. MEETINGS / PROJECT COORDINATION

- Weekly coordination meeting with DDOT team, utility (Pepco) meetings and updates, project progress meeting with DDOT and the contractor.
- Conference call with the contractor when a physical meeting is not possible.

5. DAILY WORK PERFORMED

Monday 11/14/16

1. Technopref was on-site working on their site staging area, and continued building their floating dock.
2. Handon services continued erecting scaffolding system.

Tuesday 11/15/16

1. Technopref was on-site working on their site staging area, and continued building their floating dock. They continued tree trimming around North abutment.
2. Handon services continued erecting scaffolding system.

Wednesday 11/16/16

1. Technopref was on-site working on their site staging area, and continued building their floating dock. Removed existing debris and gate at Southside of pier 5 for staging area.
2. Handon services continued erecting scaffolding system.

Thursday 11/17/16

1. Technopref was on-site working on their site staging area, and continued building their floating dock. Received first delivery for the steel structure parts used for river access.
2. Handon services continued erecting scaffolding system.

Friday 11/18/16

1. Technopref was on-site working on their site staging area, and continued building their floating dock. Received second delivery for the steel structure parts used for river access.
2. Handon services continued erecting scaffolding system.

6. INSPECTION & MATERIAL TESTS PERFORMED

- Pay items worked this week are:
 - 000 003 Employee Training. We were on site to observe Employee Training.
 - 608 114 Tree Trimming. We were on site to observe Tree Trimming.
- Contractor has been working on full schedule.

7. RFI's / SUBMITTALS

- **Requests For Information:**
 - o RFI. No. 019 – Specification of glass fiber wrap material.
 - Forwarded to JMT.
 - o RFI. No. 025 – Permission to progress demolition work during winter.
 - Forwarded to JMT.
 - o RFI. No. 030 – Concrete crack under the bearing in span B row AA.
 - Forwarded to JMT.
- **Submittals:**
 - o Submittal No. 044A – Mobilized Right Lane Closure - Phase 1.
 - Forwarded to MOT/ DDOT.
 - o Submittal No. 045 – Reserved for use by Technopref.
 - No submittal yet. Requested to be reserved by Technopref.
 - o Submittal No. 046 – Type III PVC Barricade - Model T3B.
 - Forwarded to MOT/ DDOT.
 - o Submittal No. 047 – Traffic Drums.
 - Forwarded to MOT/ DDOT.
 - o Submittal No. 048 – Temporary Construction Sign Supports.
 - Forwarded to MOT/ DDOT.
 - o Submittal No. 049 – Reflectorized Traffic cones.
 - Forwarded to MOT/ DDOT.

- Submittal No. 050 – Steady Burning Amber Warning Lights, Type C.
 - Forwarded to MOT/ DDOT.
- Submittal No. 051 – Construction Sign Warning Flag.
 - Forwarded to MOT/ DDOT.
- Submittal No. 052 – Flashing Amber Warning Lights - Type B.
 - Forwarded to MOT/ DDOT.
- Submittal No. 053 – Construction Warning and Detour Signs.
 - Forwarded to MOT/ DDOT.
- Submittal No. 054 – Sand-filled Impact Attenuator Module.
 - Forwarded to MOT/ DDOT.
- Submittal No. 055 – Truck Mounted Attenuators.
 - Forwarded to MOT/ DDOT.
- Submittal No. 056 – Sequential Arrow Boards.
 - Forwarded to MOT/ DDOT.
- Submittal No. 057 – Gunitite 7041.
 - Forwarded to QA/QC DDOT.
- Submittal No. 058 – Cure & Seal 309 J18
 - Forwarded to QA/QC DDOT

8. CHANGE ORDERS/TASK ORDERS

- Negotiations were completed on November 02, 2016 with contractor for CO #1 items. Change Order document preparation currently in progress.

9. DBE or CBE PARTICIPATION SUMMARIES

- AECOM DBE Activity:
 - CSMI
 - Project Public out Reach.
 - CKI
 - Aid to Construction Management and Inspection Services
- Technopref
 - Intellect Corporation
 - Scaffolding erection
 - Handon Diving Services Inc.
 - Capsulation of the piers

10. ACCIDENTS / INCIDENTS

- There were no reported personnel or safety accidents within the limits of the project during this reporting period

11. PHOTOS OF WORK PERFORMED THIS PERIOD



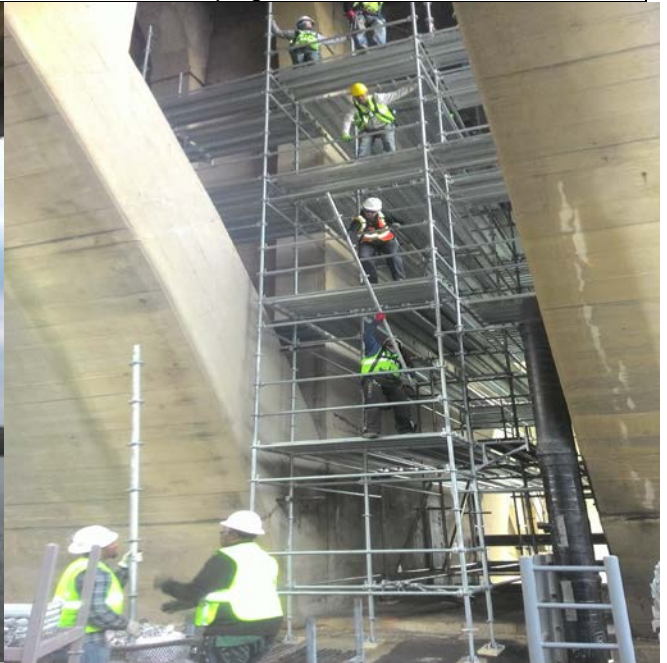
Erection of scaffold progress at North abutment.



Erection of scaffold progress at North abutment.



Erection of scaffold progress at North abutment.



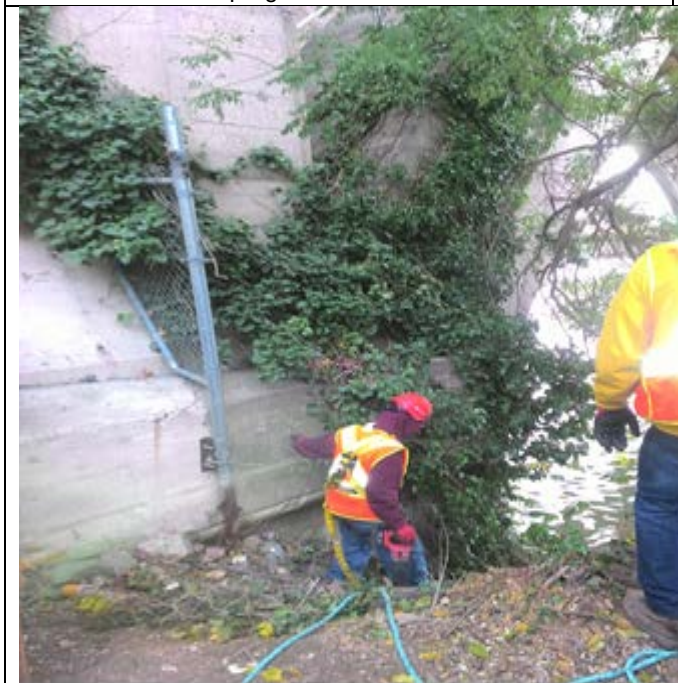
Erection of scaffold progress at North abutment.



Erection of scaffold progress at North abutment.



Erection of scaffold progress at North abutment.



Before tree trimming west of North abutment



After tree trimming west of North abutment



Technopref removed Debris and existing Gate at Pier 5 for Staging Area



Technopref carpentry work



Erection of scaffold progress at North abutment.



Technopref received steel structure for river access