

**Camden County Department of Public Works  
Division of Engineering  
Superstructure Repairs for Cuthbert Boulevard (CR 636) Bridge and  
Grove Street (CR 644) Bridge over Cooper River  
Camden County, New Jersey  
Weekly Progress Report No. 5  
September 7, 2018 to September 14, 2018**



*Figure 1: Grove St. Bridge Structural Steel Channel Beam Bolted G-9*

**Work Completed Week of September 10, 2018**

**Grove St. Bridge**

- Bolt installation of Structure Steel Repairs to Beams G-9, G-8 and G-3
- All structural steel material as per plan has been installed and bolted to existing steel Beams.
- Start installation of bolts to steel beams starting with steel channels at G-9 and G-8, then finish with G-3.
- Performing Skidmore testing on bolts

**Cuthbert Blvd. Bridge**

- No site activity

**Quantities Week of September 10, 2018**

**Cuthbert Blvd. Bridge**

- **Item #2:** Breakaway Barricades (4)

## **Superstructure Repairs for Cuthbert Boulevard (CR 636) Bridge and Grove Street (CR 644) Bridge over Cooper River**

**Camden County, New Jersey**

**Weekly Progress Report No. 5: 9/7/18 – 9/14/18**

- **Item #3:** Drums (10)
- **Item #4:** Construction Signs (96 sf)
- **Item #6:** T.C. Truck with Crash Cushion (1)

### **Grove St. Bridge**

- **Item #6:** T.C. Truck with Crash Cushion (1)
- **Item #14:** Clearing Site Bridge (In Progress)
- **Item #15:** Breakaway Barricades (39)
- **Item #16:** Drums (7)
- **Item #17:** Construction Signs (446.25 sf)
- **Item #18:** Construction Barrier (40 lf)
- **Item #21:** Structural Steel (In Progress)
- **Item #26:** Police Uniform Law Enforcement Officer (In Progress)

### **Summary of Work Completed Week of September 10, 2018**

#### **Grove St. Bridge**

South State Inc. (SSI) subcontractor continues to install remainder of structural steel repairs to existing steel beams as per plan. Crew used fork jack lifts equipment to raise materials from work platform into position at individual beams. Crew slid proposed steel channels and angles from lifts to mount to existing beams. Once clamped in position workers then used mag-drill to drill holes into existing steel beams matching proposed steel repairs. Crew finished installation of repair material to G-3. While G-3 was being installed two ironworkers started drilling steel at G-9 and G-8. Once additional holes were drilled, crew started installing bolts. At days end on Friday the 14<sup>th</sup> of September all steel repairs have had bolts installed. Crew then started with Skid Moore test and bolt torque, however due to weather conditions crew postponed test and torque till Monday.

Detour remains in place and police in position at bridge with twenty-four (24) hour shift and an officer at Maple on an eleven (11) hour shift Monday – Friday only. SSI has concrete construction barrier at bridge as per plan. Traffic Control Truck with Crash Cushion in position at south abutment. All MPT devices are in place.

#### **Cuthbert Blvd. Bridge**

SSI had previously taken a right lane closure to unload equipment and lagging material for upcoming diaphragm demolition. No site activity at this time. SSI anticipating to start next week.

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**Anticipated Work for Week of September 17, 2018**

**Grove Street**

SSI will complete installation (including Skid Moore test and bolt torque) of structural steel repairs to beams G-9, G-8 and G-3. Reinforcement steel to be installed at proposed diaphragms. Diaphragms are scheduled to be formed on 9/19/18 & 9/20/18 and poured at the end of the week 9/21/18, weather permitting.

**Cuthbert Blvd.**

SSI is scheduled to set up a right lane closure in order to unload steel installation equipment and structure steel repair materials to work platform below bridge. Once equipment and materials are secured on platform, crew will then closed the left lanes at the bridge to start demolition activity. SSI will secure utilities as per approved demolition plan prior to start of removal of concrete diaphragms.



*Figure 2: Grove St. Bridge Installation of Structural Steel Channel Beam G-8*



*Figure 3: Grove St. Bridge Installation of Structural Steel Channel Beam G-9*

**Notice to Proceed**

July 16, 2018

**Contract Completion**

Substantial Completion

March 27, 2018

Final Completion

April 26, 2019

Prepared By:

A handwritten signature in blue ink, appearing to read 'J. Ragusa'.

Joseph R. Ragusa, P.E.

Remington and Vernick Engineers