

**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. 6
September 14, 2018 to September 21, 2018**



Figure 1: Grove St. Bridge – Rebar and Formwork between G9 and G8

Work Completed Week of September 21, 2018

Grove St. Bridge

- Bolt installation of Structure Steel Repairs to Beams G-9, G-8 and G-3 completed.
- All structural steel material as per plan have been installed and bolted to existing steel Beams.
- SSI performed Skidmore-Wilhelm calibrator testing as per NJDOT S-3. SSI generating report for Skidmore Test and will forward reports to RVE.
- SSI Torque tested bolts on all Structure Steel Repairs to Beams G-9, G-8 and G-3.
- Rebar installation for Concrete Diaphragms completed between G-10 to G-9 North and South, G-9 to G-8 North and South and G-8 to G-7 North and South.
- Constructed forms for Concrete Diaphragms and placed all bracing at G-10 to G-9 North and South, G-9 to G-8 North and South and G-8 to G-7 North and South.
- Core-drilled from road deck for HPC pour scheduled for G-10 to G-9 North and South.

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Camden County, New Jersey

Weekly Progress Report No. 6: 9/16/18 – 9/22/18

Cuthbert Blvd. Bridge

- Permanent Traffic Closure set up in Left Lane Southbound direction on 9/19/2018.
- Generator and equipment placed behind guardrail using temporary Right Lane Traffic Closure.
- Temporary Support Brackets for 12” electrical pipe installed.
- Structure Steel Repairs lowered to work area and secured to beams for installation after demolition is completed.

Quantities Week of September 21, 2018

Cuthbert Blvd. Bridge

- **Item #2:** Breakaway Barricades (5)
- **Item #3:** Drums (10)
- **Item #4:** Construction Signs (112 sf)
- **Item #6:** T.C. Truck with Crash Cushion (1)
- **Item #7:** Reinforcement Steel, Epoxy Coated (In Progress)
- **Item #8:** Structural Steel (In Progress)
- **Item #13:** Police Uniform Law Enforcement (In Progress)

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 #20:** Reinforcement, Steel Epoxy Coated (In Progress)
- **Item #21:** Structural Steel (In Progress)
- **Item #26:** Police Uniform Law Enforcement Officer (In Progress)

Summary of Work Completed Week of September 21, 2018

Grove St. Bridge

South State Inc. (SSI) steel subcontractor completed installing bolts to Structural Steel Repairs on Friday 9/21/2018. SSI steel subcontractor performed the Skidmore-Wilhelm tension test as per NJDOT S-3 and will generate report. Steel subcontractor also completed torque testing bolts on Structural Steel Repairs on G-9, G-8 and G-3 subcontractor set torque wrench to 450 ft/lbs. and torquing each individual Structural Steel Repair before proceeding to next section. Steel subcontractors removed all of their tools and materials from site and will return when additional

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Structural Steel Repair angles are approved. SSI carpenters arrived at Grove Street Bridge and started construction of forms for concrete diaphragm replacement. Carpenters completed installation of rebar for concrete diaphragms on G10 to G-9 N and S, G-9 to G-8 N and S and G-8 to G-7 N and S. SSI sent laborer to do core drilling for bracing of forms and also core drilling for concrete pour of new diaphragms. Carpenters completed building forms for diaphragms leaving only G-9 to G-8 North and G-8 to G-7 North, core drilling was not completed in those areas and will return the following week to complete. 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 took left lane closure in the southbound direction for permanent closure and the right lane northbound direction for temporary closure. SSI crew is loading material and equipment from closed right lane to opposite end of guard rail and also down to platform for demolition work. SSI crew installed the temporary support brackets to the 12” electrical pipe and after completion SSI wanted to start demolition of the concrete diaphragms between G-6 and G-7. SSI ironworkers on 9/20/2018 closed right lane north bound direction to lower Structural Steel Repairs down to platform and secure to bridge beams for temporary storage. After lowering and securing steel to beams SSI steel subcontractors picked up right lane traffic closure.

Anticipated Work for Week of September 24, 2018

Grove Street

SSI carpenters will complete core drilling and remaining forms for concrete diaphragms and also place concrete on Tuesday for diaphragm repairs for G10 to G-9 N and S, G-9 to G-8 N and S and G-8 to G-7 N and S weather permitting.

Cuthbert Blvd.

SSI anticipates mobilization back to Cuthbert Boulevard Bridge late next week and will begin demolition of the existing concrete diaphragms.



Figure 2: Grove St. Bridge Formwork between G8 and G9



Figure 3: Grove St. Bridge Bolt Testing

Notice to Proceed July 16, 2018

Contract Completion
Substantial Completion March 27, 2018
Final Completion April 26, 2019

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