

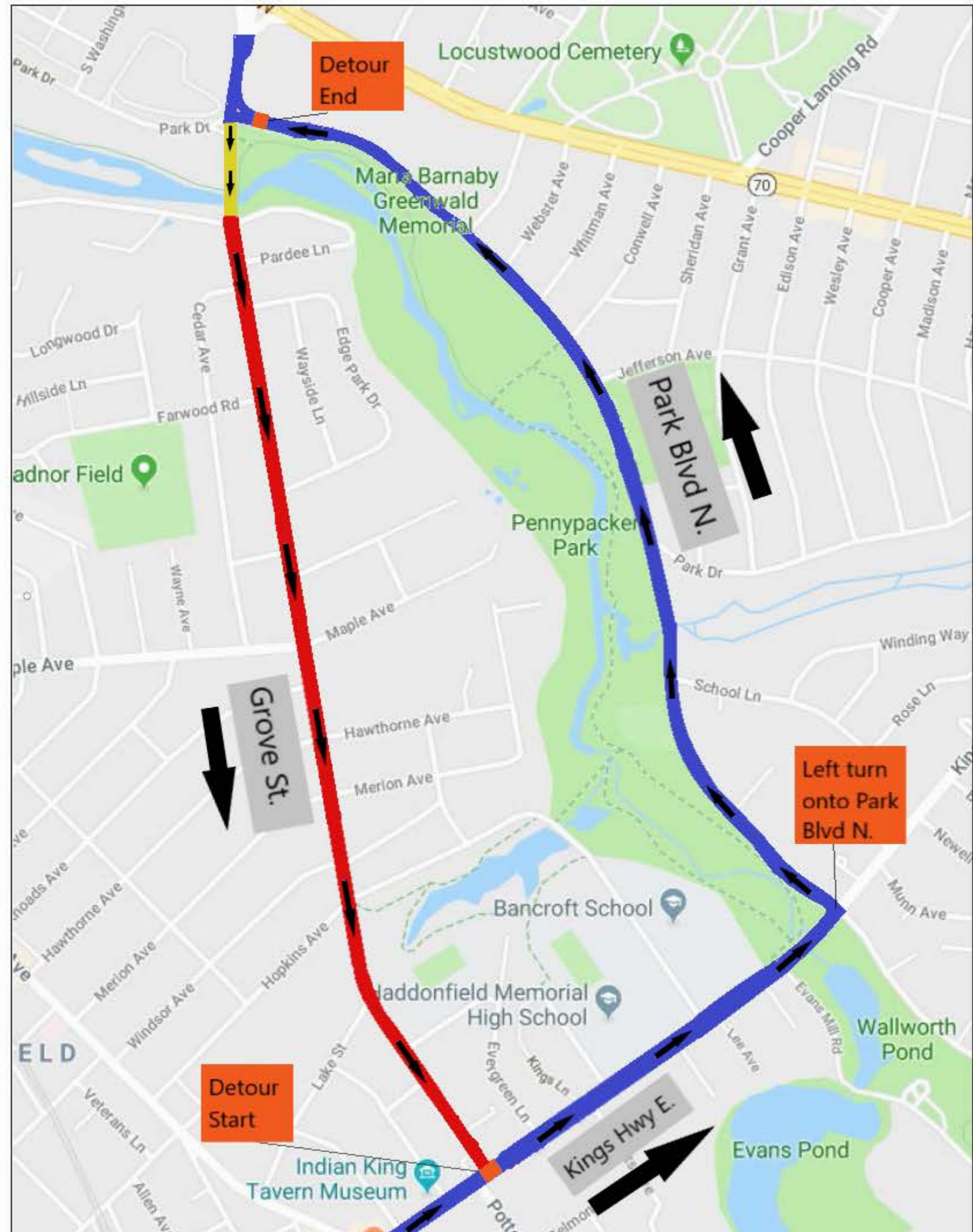
GROVE STREET NORTHBOUND
DIRECTION CLOSED FROM COLES
MILL ROAD TO PARK DRIVE

-  GROVE STREET SOUTHBOUND
ONE-WAY TRAFFIC ONLY
-  GROVE STREET
NORTHBOUND DETOUR
-  GROVE STREET LOCAL
TRAFFIC ONLY



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Camden County Department of Public Works
Office of the County Engineer
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(856) 566-2980 FAX (856) 566-2988
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Camden County Superstructure Repairs



11/12 11/13 11/14 11/15 11/16 11/17 11/18 11/19 11/20 11/21 11/22 11/23 11/24 11/25 11/26 11/27 11/28 11/29 11/30 12/1 12/2

	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
Construction Activities																					
Cuthbert Blvd. Bridge																					
Install Temp Right Lane Closures (to remain out until completion)	D	D	D	D	D																
Touch-up/Final Paint Superstructure	D	D	D																		
Removal of Temp Platform Shielding				D	D																
Grove St. Bridge																					
Additional Powerwashing Work								D													
Touch-up/Final Paint Superstructure									D	D											
Removal of Temp Platform Shielding												D			D	D					
Subcontractors																					
Allied Painting			D	D	D			D	D	D	D	D									

**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. 1
July 30, 2018 to August 4, 2018**



Figure 1: Cuthbert Blvd - Shielding Setup – 8/1/18

Work Completed Week of July 30, 2018

- Grove Bridge
 - MPT Setup for detour (covered)
- Cuthbert Bridge
 - Receiving shielding materials
 - Erecting shielding

**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. 1: 7/30/18-8/4/18**

Quantities Week of July 30, 2018

- **Item 10** – Pollution Control System – In Progress
- **Item 13** – Police Uniform Law Enforcement Officer – 4 Hours

Summary of Work Completed Week of July 30, 2018

South State Inc. (SSI) employed their subcontractor, Allied Painting Inc (API) to install shielding starting at Cuthbert Blvd. The contractor installed the shielding and work platform per the approved shop drawing. The metal decking was hung by cables from the concrete deck.

No work has begun at Grove Street.

Anticipated Work for Week of August 6th, 2018

SSI subcontractor API will complete shielding installation at Cuthbert Bridge. API will begin blasting and priming of steel superstructure. Crew will mobilize to Grove Street to begin erection of shielding. This work will not require the detour to be implemented.

Notice to Proceed

July 16, 2018

Contract Completion

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

Prepared By:

Joseph R. Ragusa, P.E.
Construction Manager
Remington and Vernick Engineers

**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. 2
August 6, 2018 to August 11, 2018**



Figure 1: Grove St. Bridge Near-White Blast & Paint

Work Completed Week of August 6, 2018

- Grove St. Bridge
 - MPT detour in place for two days with Haddonfield Police assistance (8/9-8/10)
 - Pollution Control Containment system constructed
 - Near-White Blasting & Primer operations complete
- Cuthbert Blvd. Bridge
 - MPT right lane closure with Haddon Twp. Police assistance
 - Near-White Blasting & Primer operations complete

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. 2: 8/6/18 – 8/11/18

Quantities Week of August 6, 2018

Cuthbert Blvd. Bridge

- **Item 10** - Pollution Control System (in progress)
- **Item 11** - Near-White Blast Cleaning & Painting (in progress)
- **Item 13** – Police Uniform Law Enforcement Officer (15 hr.)

Grove St. Bridge

- **Item 23** – Pollution Control System (in progress)
- **Item 24** – Near-White Blast & Painting (in progress)
- **Item 26** – Police Uniform Law Enforcement Officer (79 hr.)

Summary of Work Completed Week of August 6, 2018

Grove St. Bridge

South State Inc. (SSI) had their subcontractor, Allied Painting Inc (API) install Pollution Control System shielding at Grove St. The contractor installed the shielding and work platform per the approved shop drawing. The metal decking was hung by cables from the concrete deck. Tarps were installed at both East & West sides of bridge. Crew then preform Near-White Blast and applied Primer paint coat. SSI set in place MPT for Detour assisted by Haddonfield Police for the two days of Near-White Blasting and Primer application. JMT representative visited the site to perform inspection of the steel once blasted.

Cuthbert Blvd. Bridge

South State Inc. (SSI) along with Haddon Twp. Police set in place MPT for right lane closure during Near-White Blast & Primer application. Allied Painting Inc. (API) finished installation of Pollution Control System tarps at both the East & West sides of bridge. Crew then set up equipment and proceeded to perform the Near-White Blast & Primer paint application as per specifications. JMT representative visited the site to perform inspection of the steel once blasted.

Anticipated Work for Week of August 13, 2018

SSI to submit Demolition Plan Submittal for approval. Structure steel martial is scheduled for delivery to Cuthbert Blvd. Bridge on Thursday. If demolition plan is submitted and approved in time crew may start demolition of diaphragms once MPT is in place for double left lane closure on Friday 8/17/2018.

**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. 2: 8/6/18 – 8/11/18**



Figure 2: Cuthbert Blvd. Bridge Prime Coat

Notice to Proceed

July 16, 2018

Contract Completion

Substantial Completion

March 27, 2018

Final Completion

April 26, 2019

Prepared By:

Joseph R. Ragusa, P.E.
Construction Manager
Remington and Vernick Engineers

**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. 3
August 11, 2018 to August 31, 2018**



Figure 1: Grove St. Bridge Demolition of Concrete Diaphragms Beam G-9 – G-8

Work Completed Week of August 13, 2018

- **Grove St. Bridge**
- Checked measurements for steel repairs at Beams G-9 and G-8
- Preparing Demolition plan for removal of concrete diaphragms.
- No site activity

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. 3: 8/13/18 – 8/31/18

- **Cuthbert Blvd. Bridge**
- Preparing Demolition plan for removal of concrete diaphragms and utilities support bracing where required
- No site activity

Work Completed Week of August 20, 2018

- JMT has approved SSI demolition plan.
- SSI had additional detour signs delivered to site and made ready for placement on Grove St. Detour starting Monday, August 27, 2018

Quantities Week of August 27, 2018

Cuthbert Blvd. Bridge

- No site activity

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 #26:** Police Uniform Law Enforcement Officer (In Progress)

Summary of Work Completed Week of August 27, 2018

Grove St. Bridge

South State Inc. (SSI) had their subcontractor deliver additional construction signage to site and place on the ready at all the intersections on Grove Street. Materials consisted of Type III Barricades and appropriate signage pertaining to detour route. SSI crews set in place detour on Monday, August 27, 2018. Once detour was in place and police in position SSI place concrete construction barrier at bridge. Crew placed Traffic Control Truck with Crash Cushion. All MPT devices are in place. SSI crew then proceeded to start demolition to concrete diaphragms at beams G-10 to G-9 north end. Crew has completed demolition of concrete diaphragms between G-10 to G-9, G-9 to G-8 and G-8 to G-7 all on North side and are now in process of completing demolition of concrete diaphragms at same locations on South side of bridge.

Cuthbert Blvd. Bridge

No site activity at this location

**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. 3: 8/13/18 – 8/31/18**

Anticipated Work for Week of September 4, 2018

Grove Street

SSI will complete demolition to concrete diaphragms. Reinforcement steel and structural steel are expected for delivery. SSI's subcontractor is scheduled to start structural steel repairs to beams G-9, G-8 and G-3.

Cuthbert Blvd.

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

Notice to Proceed

July 16, 2018

Contract Completion

Substantial Completion

March 27, 2018

Final Completion

April 26, 2019

Prepared By:



Joseph R. Ragusa, P.E.

Construction Manager

Remington and Vernick Engineers

**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. 4
August 31, 2018 to September 7, 2018**



Figure 1: Grove St. Bridge Installation of Structural Steel Channel Beam G-9

Work Completed Week of September 3, 2018

Grove St. Bridge

- Layout for steel repairs at Beams G-9, G-8 and G-3
- Unload all structural steel material on site and to platform.
- Start repairs to steel beams starting with steel channels at G-9 and G-8
- Structural steel channels complete at G-9 and G-8

Cuthbert Blvd. Bridge

- Took right lane for few hours to unload demolition material and equipment onto platform
- No other site activity

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. 4: 8/31/18 – 9/7/18

Quantities Week of September 3, 2018

Cuthbert Blvd. Bridge

- **Item #2:** Breakaway Barricades (4)
- **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 3, 2018

Grove St. Bridge

South State Inc. (SSI) had their subcontractor deliver structural steel to site and place on the closed section of road northbound direction to sort. Crew used excavator to transfer equipment and materials from roadway to work platform as needed. Crew had set up lifts and assorted equipment for moving structural steel into position. Once ready crew then erected into position the steel channels starting with beams G-9 and G-8. Crew installed and completed structural steel channels at G-9 and G-8 as per plan. Crew then relocated equipment to beam G-3 for structural steel channel installation.

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. 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 taken a right lane closure to unload equipment and lagging material for upcoming diaphragm demolition.

API has had the blast debris materials in drums removed from container box on site to an approved facility.

**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. 4: 8/31/18 – 9/7/18

Anticipated Work for Week of September 10, 2018

Grove Street

SSI will complete installation 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 poured week of 9/17/18.

Cuthbert Blvd.

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



Figure 2: Grove St. Bridge Installation of Structural Steel Channel Beam G-9



Figure 3: Grove St. Bridge Installation of Structural Steel Channel Beam G-8

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 'JR' or similar initials.

Joseph R. Ragusa, P.E.

Remington and Vernick Engineers

**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 14th 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.

**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**

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

**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.

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: 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

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: 9/16/18 – 9/22/18

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

Prepared By:

Joseph R. Ragusa, P.E.
Remington and Vernick Engineers

**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. 7
September 22, 2018 to September 28, 2018**



Figure 1: Grove St. Bridge – Concrete Placement

Work Completed Week of September 28, 2018

Grove St. Bridge

- Core drilling completed on 9/24/2018 for concrete diaphragm pour from North and South Diaphragms at G-10 to G-9, G-9 to G-8 and G-8 to G-7.
- Form work and bracing completed on 9/24/2018 for concrete diaphragm pour from North and South Diaphragms at G-10 to G-9, G-9 to G-8 and G-8 to G-7.
- HPC poured on 9/25/2018 for concrete diaphragm repairs for North and South Diaphragms at G-10 to G-9, G-9 to G-8 and G-8 to G-7.
- Craig Testing on site providing Quality Assurance testing for concrete and collected cylinders for break tests and also reports.

Cuthbert Blvd. Bridge

- Permanent Traffic Closure Left Lane southbound direction in place.

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. 7: 9/23/18 – 9/29/18

Quantities Week of September 28, 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 #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 #22:** Concrete Bridge Deck, HPC (7 CY)
- **Item #25:** Testing, If and when directed (In Progress)
- **Item #26:** Police Uniform Law Enforcement Officer (In Progress)

Summary of Work Completed Week of September 29, 2018

Grove St. Bridge

South State Inc. (SSI) carpenters completed form work and core drilling of road deck on and will place HPC concrete for diaphragm replacement. HPC concrete was delivered and placed on 9/25/2018 for the concrete diaphragm repairs. Craig Testing ACI technician on site for testing, sampling and documenting procedures of the HPC installation. Contractor completed HPC placement of the new concrete diaphragm pours and started to do clean up procedures of the road deck removing debris.

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. SSI anticipating to start next week.

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. 7: 9/23/18 – 9/29/18

Anticipated Work for Week of October 5, 2018

Grove Street

SSI will complete restoration of bridge deck and proceed once concrete test results are provided. Once approved, SSI will remove the detour and open the northbound lane of traffic. Detour signage will be removed or covered. The contractor will schedule their painting subcontractor, Allied, to complete the coating system and remove the temporary shielding.

Cuthbert Blvd.

SSI is scheduled to set up a right lane closure 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 Concrete Diaphragm



Figure 3: Grove St. Bridge Roadway Restoration

Notice to Proceed

July 16, 2018

Contract Completion

Substantial Completion

March 27, 2018

Final Completion

April 26, 2019

Prepared By:



Joseph R. Ragusa, P.E.

Remington and Vernick Engineers

**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. 8
October 8, 2018 to October 19, 2018**



Figure 1: Cuthbert Blvd. Bridge – Steel Installation

Work Completed Weeks of October 8 and October 15

Grove St. Bridge

- Touchup work around bolts

Cuthbert Blvd. Bridge

- Install left lane closure northbound
- Demo existing diaphragms
- Remove debris from shielding
- Begin to install steel

Quantities Weeks of October 8 and October 15

Cuthbert Blvd. Bridge

- **Item #1:** Clearing Site, Bridge (In progress)

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. 8: 10/8/18 – 10/19/18

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

Grove St. Bridge

- **Item #21:** Structural Steel (In Progress)

Summary of Work Completed Weeks of October 8 and October 15

Grove St. Bridge

South State Inc. (SSI) completed all work required to open Grove Street Bridge to traffic on October 1, 2018. The contractor performed miscellaneous cleanup and touchup to the steel after the roadway was opened.

Cuthbert Blvd. Bridge

SSI has installed the MPT shown in the plans for left lane closures both Northbound and Southbound over the Cooper River. SSI has completed demolition of the diaphragms, removed the debris from the shielding, and began installing the supplemental steel. All MPT remains in place 24/7 while construction is ongoing.

Anticipated Work for Week of October 22, 2018

Grove Street

SSI will not perform any work at Grove Street, while emergency repairs are in progress. Painting is expected to begin the week of October 29, 2018

Cuthbert Blvd.

SSI anticipates completing the steel installation, forming the diaphragms, and installing the rebar. All of this work is being completed with left lanes closed in both directions. Painting is expected to begin the week of November 5, 2018

- The contractor currently is anticipating the long term lane closures to be removed on or about November 5, 2018.
- Once the long term lane closures are removed, the contractor will utilize periodic daily lane closures Northbound to cleanup and demobilize the site. The daily lanes closures are expected to be in place daily 7:00am to 4:00pm, November 8, 2018 through November 16, 2018 as necessary



*Figure 2: Cuthbert Blvd. Bridge –
Diaphragm Demolition*



*Figure 3: Cuthbert Blvd. Bridge –
Diaphragm Reconstruction*

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

**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. 9
October 20, 2018 to October 26, 2018**



Figure 1: Cuthbert Blvd. Bridge – Concrete Pour

Work Completed Week of October 22, 2018

Grove St. Bridge

- No work completed

Cuthbert Blvd. Bridge

- Completed steel repairs
- Torque and Skidmore-Wilhelm test conducted on bolts
- Installed forms for concrete diaphragms
- Concrete pour

Quantities Week of October 22, 2018

Cuthbert Blvd. Bridge

- **Item #2:** Breakaway Barricades (5)
- **Item #3:** Drums (10)

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. 9: 10/20/18 – 10/26/18

- **Item #4:** Construction Signs (112 sf)
- **Item #6:** T.C. Truck with Crash Cushion (2)
- **Item #7:** Reinforcement Steel, Epoxy Coated (670 lb)
- **Item #8:** Structural Steel (In progress)
- **Item #9:** Concrete Bridge Deck, HPC (4 cy)
- **Item #13:** Police Uniform Law Enforcement (In Progress)

Grove St. Bridge

- **None**

Summary of Work Completed Week of October 22, 2018

Grove St. Bridge

South State Inc. (SSI) completed all work required to open Grove Street Bridge to traffic on October 1, 2018.

Cuthbert Blvd. Bridge

SSI has completed the structural steel to the bridge and conducted proper testing of the bolts. Concrete diaphragm forms were setup, rebar installed, and concrete placed on October 26, 2018. Core drills performed to provide access for concrete placement. All MPT remains in place 24/7 while construction is ongoing.

Anticipated Work for Week of October 29, 2018

Grove Street

No work anticipated in the next week, painting is expected to begin the week of November 5, 2018.

Cuthbert Blvd.

Lane closures will remain in place 24/7 while the County performs offsite compressive testing at the 3, 5, and/or 7 day mark. Upon receipt of favorable test results the Contractor will remove the lane closures northbound and southbound. Painting is expected to begin the week of November 5, 2018.

- The contractor currently is anticipating the long term lane closures to be removed on or about November 5, 2018.
- Once the long term lane closures are removed, the contractor will utilize periodic daily lane closures Northbound to cleanup and demobilize the site. The daily lanes closures are expected to be in place daily 7:00am to 4:00pm, November 8, 2018 through November 16, 2018 as necessary



Figure 2: Cuthbert Blvd. Bridge – Rebar and Forms set for Diaphragms

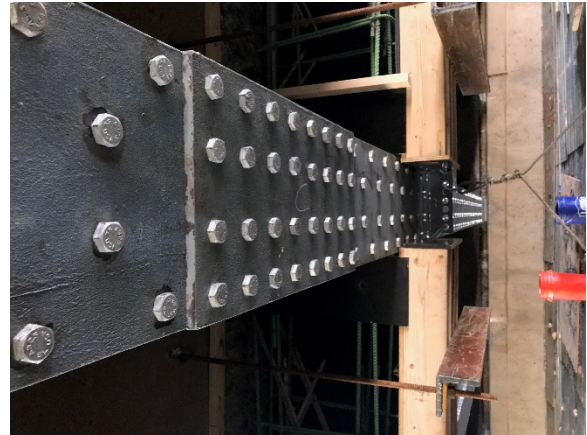


Figure 3: Cuthbert Blvd. Bridge – Structural Steel

Notice to Proceed

July 16, 2018

Contract Completion

Substantial Completion

March 27, 2018

Final Completion

April 26, 2019

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