

Department of Public Works

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**East Atlantic Avenue (C.R. 729)
over Nicholson Road (C.R. 635)
Bridge Replacement Project**

*Borough of Audubon
County of Camden, New Jersey
Weekly Progress Report
Monday 04/02/2018 thru Friday 04/06/2018*



Figure 1

RE Pierson surveyor checked bearing grades at tops of North and South Abutment Walls

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Figure 2

RE Pierson placing concrete at SE Wingwall

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Figure 3

RE Pierson grinding joints at North face of South Abutment Wall



The following Construction Activities took place during the period stated above.

Vibration Monitoring

On Wednesday, April 4, 2018 at 17:10 and April 5, 2018 at 06:06, a Notification of Threshold via email and text message was sent to JMT, RE Pierson, and SSI stating that the Seismograph Limits were reached at MP_2, the house at 9 East Atlantic Avenue. It was noted that there were high winds during the day on Wednesday, but not on Thursday. Correspondence with SSI includes the following results, "From the waveforms, these do not appear to be construction related. They are isolate events that appear to be tampering. The event on 04-04-17 17:10:41 appears to be a "stomp" on the sensor. The event on 04-05-17 06:06:02 appears to be a "kick" of the sensor." SSI will continue to monitor through the duration of construction as required by project specifications.

Abutment and Wing Walls

On Monday, April 2, 2018, RE Pierson stripped formwork from Southeast Abutment Wall. RE Pierson began the installation of the formwork at Southeast Wingwall. On Tuesday, April 3, 2018, L&R Construction installed rebar at Southeast and Northeast Wingwalls and RE Pierson installed formwork at the same location. RE Pierson stripped formwork from Southwest and Southeast Abutment Walls. On Wednesday, April 4, 2018 RE Pierson installed bracing at Southeast Wing Wall. RE Pierson placed 6 CY of Concrete, Class B with Visocrete 1000 Super P to complete the Southeast Wingwall. Craig Testing was on site performing concrete testing on the first load of concrete. In total, 9 cylinders were taken. Testing results are as follows:

- First Load - Air Entrainment = 7.0%; Slump = 4.0"; Temperature = 70° F

Rebar was installed at the top of the Southeast Wingwall, and RE Pierson covered formwork and top of concrete with thermal blankets.

Formwork and bracing were installed on the Northeast Wingwall on Thursday, April 5, 2018. RE Pierson placed 6 CY of Concrete, Class B with Visocrete 1000 Super P to complete the Northeast Wingwall. Craig Testing was on site performing concrete testing on the first load of concrete. In total, 9 cylinders were taken. Testing results are as follows:

- First Load - Air Entrainment = 6.5%; Slump = 7.0"; Temperature = 69° F

Rebar was installed at the top of the Northeast Wingwall, and RE Pierson covered formwork and top of concrete with thermal blankets.

On Friday, April 6, 2018, RE Pierson cleaned debris from tops of North and South Abutment walls using compressed air. The Contractor continued work on the North face of the South Abutment wall by grinding the joints.

T-Walls

T-Walls were Precast on Friday, April 6, 2018. JMT was present at Oldcastle Precast (3900 Glover Road, Easton, PA) to verify that wall was construction according to Approved Shop Drawings.

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PSE&G

Ken Mihalik of PSE&G Electric was on-site for a meeting with David Van Sciver (RE Pierson, PM), Steve Flynn (RE Pierson, Super) and Tom Gollop (JMT). PSE&G anticipates starting work in mid-May 2018 to relocate overhead wires to final position. PSE&G anticipates 5 days to complete poles and wiring.

Anticipated Work for 4/9/18 thru 4/13/18

Work on the North Abutment and South Abutment includes pouring the backwall, stripping the formwork, backfilling and preparation for the T-Wall installation, and setting the T-Wall.

Notice to Proceed: 09/28/17

Anticipated Completion Date: 11/20/18

Prepared By: Alfred Brenner, Resident Engineer