

Department of Public Works

Susan Shin-Angulo  
Freeholder Liaison

John Wolick  
Director

camden **county**

Making It Better, Together.



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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 02/05/2018 thru Friday 02/09/2018*



**Figure 1**

*RE Pierson setting the casing at South Abutment Test Pile Location*

Department of Public Works

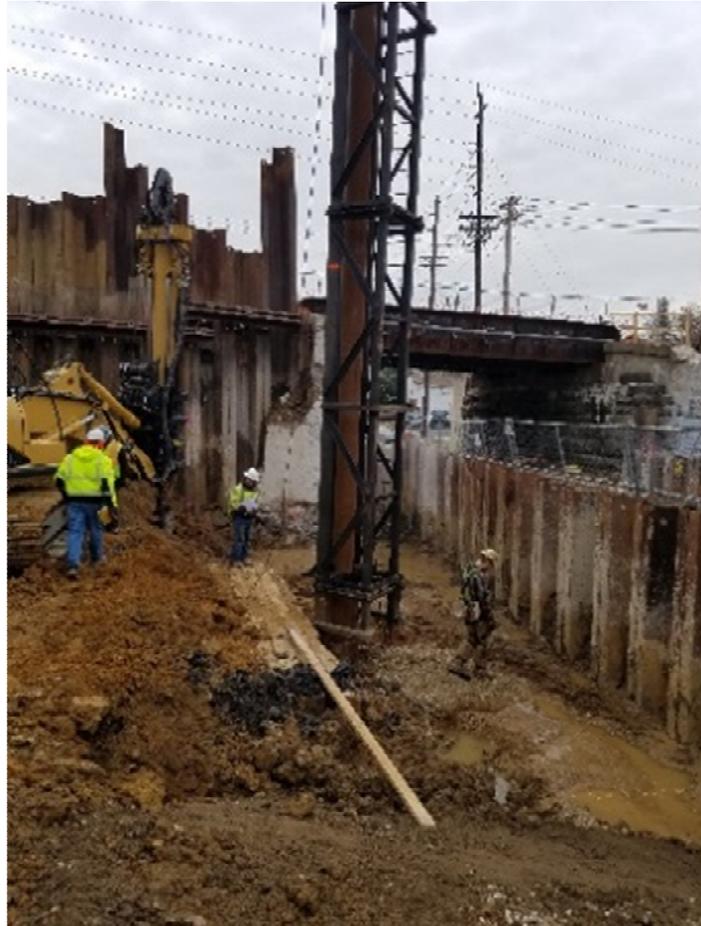
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**Figure 2**

*RE Pierson driving South Abutment Test Pile*

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**Figure 3**

*PE Pierson delivering Pipe Piles on Site*

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

### **Test Piles**

On Monday, February 5, 2018, RE Pierson prepared for the test piles to be driven on site. Work included the installation of the temporary sump pump inside of the vertical drainage pipe on the South Abutment site; placement of No. 57 Stone at the South Abutment; installed casing in preparation to pre-auger at test pile locations; excavation on the North Abutment side; surveyed and marked locations of test piles.

Two test piles were driven on Tuesday, February 6, 2018. RE Pierson pre-augered inside of casing at South Abutment test pile location. RE Pierson drove test pile at North Abutment to 60 feet depth. Stress = 31 Kips. Capacity = 416 Kips at 60 feet depth. Met design capacity of 372 Kips at 55 feet depth. RE Pierson drove test at South Abutment to 58 feet depth. Stress = 30 Kips. Capacity = 409 Kips at 58 feet depth. Met design capacity of 366 Kips between 48 to 53 feet depth. Joe Juzwin of HNTB witnessed both test piles installation and recorded data. Jay Jeyavijithon, P.E. performed PDA test on both test piles.

On Thursday, February 8, 2018, RE Pierson cut off the test pile at the North Abutment.

### **Pipe Piles**

Pipe piles were delivered on site on Thursday, February 8, 2018 and Friday, February 9, 2018. On Thursday, RE Pierson pre-augered holes in soil at 10 North Abutment pile locations and steel casings were installed at these locations. On Friday, RE Pierson pre-augered holes at last 5 North Abutment locations and installed casings. Length increments have been marked on all pipe piles.

### **Anticipated Work for 2/12/18 thru 2/16/18**

Casing Pipe is scheduled to be installed early in the week for the South Abutment. Production piles are planned to be driven at both the North and South Abutments during the week of February 12, 2018.

**Notice to Proceed:** 09/28/17

**Anticipated Completion Date:** 11/20/18

**Prepared By:** Alfred Brenner, Resident Engineer