

**Federal Street (CR 537) Roadway Improvements
From 19th Street to Marlton Pike (CR 601)
City of Camden, Camden County, NJ
Bid B5-18
NJDOT County Aid Project: CA-PRO-2017-Camden County-00037**

**Progress Report #1
October 22, 2018 through November 2, 2018**



Project Overview:

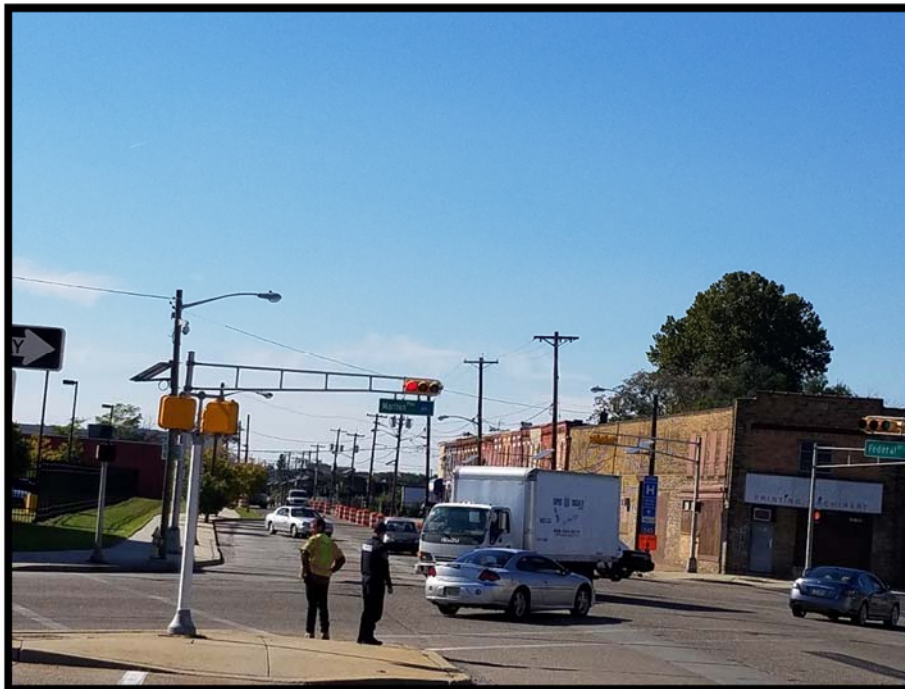
The project has been awarded to South State, Inc. in the amount of \$586,788.16. The estimated construction duration is **Forty (40) Working Days** for Substantial Completion and **Sixty (60) Working Days** for Final Completion. The Notice to Proceed was issued with a start date of **Monday, October 22, 2018** and a completion date for ALL WORK of **Friday, January 18, 2019**.

The project involves the replacement of deteriorated sections of the concrete roadway with prefabricated reinforced concrete slabs. The project will be constructed in two phases utilizing lane shifts to maintain one lane of travel in each direction. Parking will be restricted throughout the project limits to accommodate the lane shifts. Overall, 65 concrete slabs are scheduled to be replaced with 50 scheduled during Phase 1 and 15 in Phase 2. Handicap ramps will be upgraded at the 20th Street intersection. After installation of the concrete slabs, the entire roadway within the project limits will be diamond ground to create a smooth riding surface and the existing striping patterns will be reinstated.

Progress Photographs:



Precast slab ready for concrete pour in Vineland, NJ



Phase 1 Traffic Control in place for lane shifts.



Sawcutting existing slabs prior to removal.



Existing slab removed.



Subbase prepared, dowels installed, ready for precast slab to be installed.



New precast reinforced concrete slab being lowered into place.

Work Completed this Report Cycle:

- Phase 1 Traffic Control Devices installed and lanes shifted to the north. Phase 1 Work Zone in southernmost lanes of Federal Street. Camden County Police Department providing Police Traffic Directors.
- Soil Erosion and Sediment Control Devices installed.
- Sawcutting of existing slabs slated for removal completed in Phase 1 Work Zone.
- Removal of existing slabs, preparation of subbase, installation of dowels and setting of new reinforced precast concrete slabs progressing on daily basis.
- Eleven of the 50 Phase 1 slabs have been set to date. Grouting of the dowel pockets will be performed for Phase 1 slabs prior to the Phase 2 lane shift.

Changes to the Initial Contract items:

- None to Date

Project Schedule:

- The Project Completion Date is Friday, January 18, 2019.
- 16% of time used to date
- 0.0% paid to date.

Prepared by: Mark R. Basehore, Jr., PE, CME
Bach Associates, PC

Department of Public Works

Susan Shin Angulo
Freeholder Liaison

John Wolick
Director



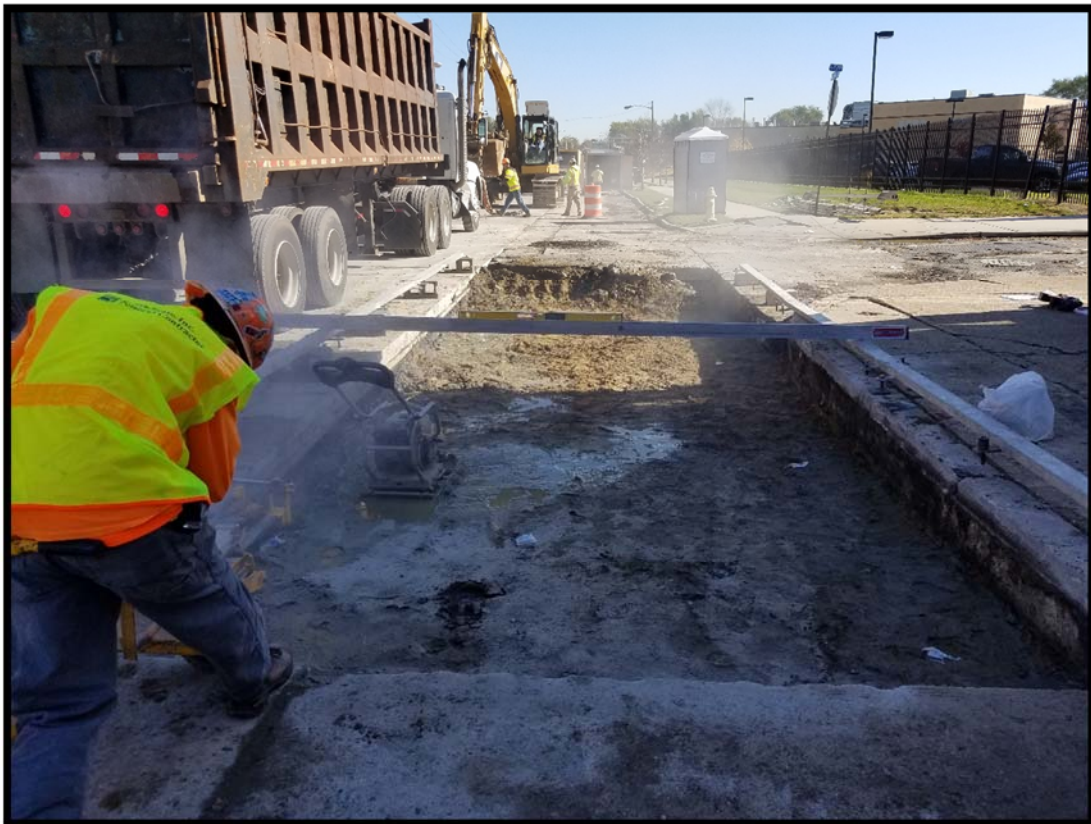
Making It Better, Together.

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**Progress Report #2
November 5, 2018 through November 16, 2018**

Progress Photographs:



Existing slabs removed and preparation of subbase and installation of dowels underway.



Drilling dowel holes in existing slab scheduled to remain in place.



Subbase prepared, dowels installed, ready for precast slab to be installed



New precast reinforced concrete slab being lowered into place.



Slab #K38 being lowered into place around reset manhole casting.

Work Completed this Report Cycle:

- Phase 1 Traffic Control Devices remain in place and lanes remain shifted to the north. Phase 1 Work Zone continues in southernmost lanes of Federal Street. Camden County Police Department providing Police Traffic Directors.
- Removal of existing slabs, preparation of subbase, installation of dowels and setting of new reinforced precast concrete slabs continue on a daily basis.
- The handicap ramps at the 20th Street intersection were installed to ADA standards. Concrete was protected from forecasted snow storm.
- All 50 of the Phase 1 slabs (100%) have been set to date. Grouting of the dowel pockets will be performed for the Phase 1 slabs prior to the Phase 2 lane shift.

Changes to the Initial Contract items:

- A Field Revision was issued by the Design Engineer, KMA Consulting Engineers, Inc. on November 6, 2018 whereby two existing "A" inlets previously slated to be converted to manholes are to remain in place and will be reset to grade under the pay item "Reset Existing Casting".
- The prefabricated manhole opening in Slab K38 did not align with the existing manhole. A Field Directive was issued by the County Engineer on November 7, 2018 to remediate the unforeseen condition. A sawcut is to be installed 2' to the west of the previously set Slab K3. Slabs K3 through K9 to be removed and reset 2' to the west. Slabs K35 through K38 to be set 2' to the west in order to align with the manhole. The 2' opening at the western edge of the slabs to be infilled with pour in place concrete per NJDOT Standard Construction Detail for slab repairs. Supplemental Item "Precast Slab Adjustment at K38" to be added to the contract after freeholder approval of Change Order in the amount of \$15,204.31.

Project Schedule:

- The Project Completion Date is Friday, January 18, 2019.
- 33% of time used to date
- 0.0% paid to date.

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**Progress Report #3
November 17, 2018 through November 30, 2018**

Progress Photographs:



Pressure grouting of slab underside, joints and dowel pockets underway in Phase 1 work area.



Grout mixing and pressure injection machine.



Bag of slab dowel grout prior to mixing.



Pressure grouting of underslab in progress.



Infilling of slab gaps and repair areas with 4,000 psi concrete.



Phase 2 Temporary Traffic Striping and Drums installed. Traffic shifted to southernmost lanes and work zone in northernmost lanes. Sawcutting of Phase 2 slabs underway.



Phase 2 Slab preparation underway. Note work area encroaching on westbound travel lane resulting in police mandated lane closure and detour.



Installation of Phase 2 Slab in progress. Note work area encroaching on westbound travel lane resulting in police mandated lane closure and detour.

Work Completed this Report Cycle:

- All 50 of the Phase 1 slabs (100%) have been set to date. Pressure grouting of the dowel pockets, joints and underslab completed this report cycle. Slab openings and repair areas infilled with 4,000 psi concrete.
- All Phase 1 work completed with the exception of installing a “B” inlet eco-friendly curb piece.
- Phase 2 Traffic Control Devices installed and lanes shifted to the south. Phase 2 Work Zone in northernmost lanes of Federal Street. Camden County Police Department providing Police Traffic Directors.
- Phase 2 sawcutting and demolition of slabs slated for replacement has commenced. Materials and equipment required for installation of Phase 2 slabs have encroached onto the westbound lanes resulting in a police mandated lane closure and detour. Westbound traffic is redirected up East State Street to River Road then back to Federal Street.
- Eleven of the fifteen Phase 2 slabs have been installed to date. New Jersey American Water (NJAW) was notified of a sinkhole near a watermain and slab installation near the sinkhole was delayed until a NJAW subcontractor could repair the cause of the sinkhole. Repair of the watermain and sinkhole was completed on Friday, November 30, 2018.

Department of Public Works

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Freeholder Liaison

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Changes to the Initial Contract items this Report Cycle:

- Installation of Slab K60 cannot be completed per the Contract Documents due to an unforeseen condition of an existing manhole casting. Alternative solutions including cutting of the precast slab or installation of poured in place reinforced concrete are currently being evaluated for cost effectiveness.

Project Schedule:

- The Project Completion Date is Friday, January 18, 2019.
- 47% of time used to date
- 0.0% paid to date.

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**Progress Report #4
December 1, 2018 through December 14, 2018**

Progress Photographs:



Preparation of slab replacement in Phase 2 work area. Note work area encroaching on westbound travel lane resulting in police mandated lane closure and detour during work hours.



Phase 2 subbase prepared, dowels installed and new prefabricated slabs ready to be installed.



Phase 2 prefabricated slab being lowered into place.



Slab K60 rebar set for poured in place slab replacement due to unforeseen condition of manhole.



Slab K60 rebar set and concrete being poured in place per work directive associated with unforeseen condition of manhole.



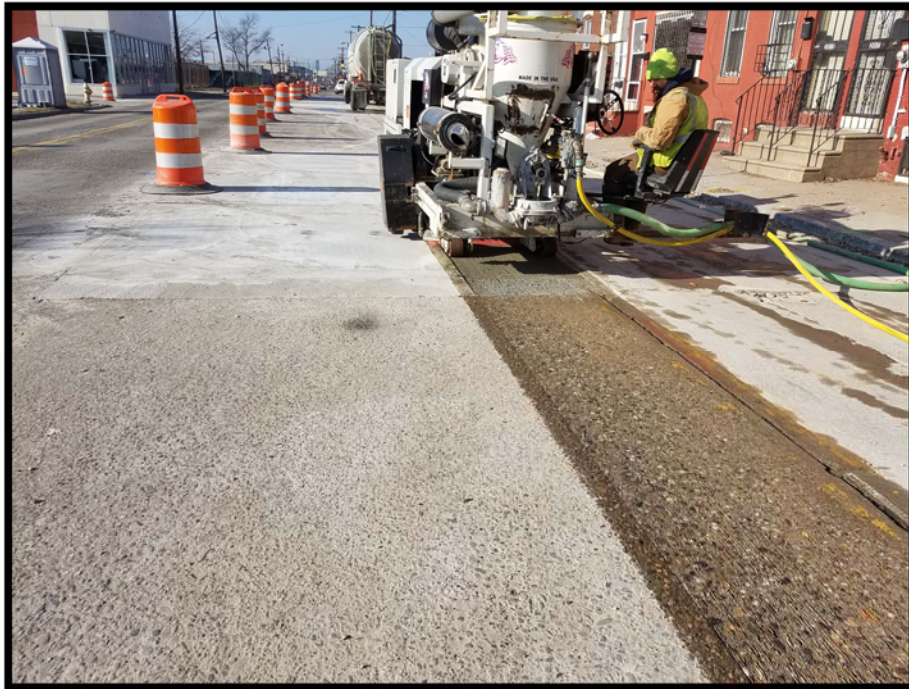
Contractor getting ready to pressure grout Phase 2 slabs.



Pressure grouting of Phase 2 slabs.



Diamond Grinder arriving on site.



Diamond Grinder making its first pass in northernmost lane adjacent to north shoulder.



Diamond Grinder approaching uneven slab location.



Diamond Grinder after making pass at uneven slab location.



Roadway after completion of Diamond Grinding.

Work Completed this Report Cycle:

- All Phase 2 slabs (100%) have been set to date. Pressure grouting of the dowel pockets, joints and underslab completed this report cycle. Slab openings and repair areas infilled with 4,000 psi concrete. Installation of prefabricated concrete slabs now complete.
- Diamond Grinding of Phase 1 and Phase 2 slabs completed.
- General cleanup and topsoil restoration completed at handicap ramp location.

Changes to the Initial Contract items this Report Cycle:

- As previously reported, installation of Slab K60 could not be completed per the Contract Documents due to an unforeseen condition of an existing manhole casting. A work directive was approved by the County Engineer authorizing installation of poured in place reinforced slab section utilizing the rebar configuration from approved prefabricated slab Shop Drawing.

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Project Schedule:

- The Project Completion Date is Friday, January 18, 2019.
- 63% of time used to date.
- 64.3% paid to date. Payment application #1 in the amount of \$377,524.98 submitted to the County Engineer on December 7, 2018.

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