

**Camden County Department of Public Works
Division of Engineering
Roadway Improvements to Hopkins Avenue (CR 647) from
Crystal Lake Avenue (CR 643) to Cuthbert Boulevard (CR 636)
Camden County, New Jersey
Weekly Progress Report No. 1
August 4, 2019 to August 10, 2019**



Figure 1: Concrete curb ramp installation

Work Completed Week of August 4, 2019

- Mobilized to the project site and installed VMS boards and traffic control
- Installed concrete vertical curb, sidewalk, reinforced driveways, monolithic curb and gutter, and curb ramps between E. Merchant Street and Paul VI High School
- One inlet was repaired

Quantities Week of August 4, 2019

- **Item #2:** Police Uniform Law Enforcement Officer (97 MH)
- **Item #30:** Curb Piece Type 'N' ECO (4"/6"/8") (1 UNIT)
- **Item #31:** Bicycle Safe Grate (1 UNIT)
- **Item #32:** Parging Inlet (1 UNIT)
- **Item #35:** Concrete Sidewalk, 4" Thick (43.78 SY)
- **Item #36:** Concrete Driveway, 5" Thick (87.88 SY)
- **Item #38:** Detectable Warning Surface (3.56 SY)
- **Item #39:** 9"x18" Concrete Vertical Curb (50 LF)

- **Item #40:** 6"x8"x18" Concrete Vertical Curb (78 LF)
- **Item #41:** Monolithic Concrete Curb & Gutter (735 LF)
- **Item #62:** VMS Board (2 UNIT)
- **Item #64:** Cleanout Protection Box (1 UNIT)

Summary of Work Completed Week of August 4, 2019

Charles Marandino (Marandino) continued demolition of existing concrete and replacement with new concrete vertical curb, sidewalk, reinforced driveways, monolithic curb & gutter, and curb ramps between E. Merchant Street and Paul VI High School. One inlet within these limits was reset and repaired. Maintenance and Protection of Traffic (MPT) is set up before each work day and taken down at the end of each work shift. Police Uniform Law Enforcement Officers are additionally utilized for traffic control. An onsite progress meeting was held on August 6, 2019 to review all project related activities.

Anticipated Work for Week of August 11, 2019

Marandino will continue with the removal and replacement of concrete curb, sidewalk, driveways, and curb ramps as specified in the plans along Hopkins Avenue. Daily traffic control will continue to be implemented for the duration of the project.



Figure 2: Concrete curb & gutter installation



Figure 3: Concrete vertical curb demolition



Figure 4: Concrete vertical curb installation



Figure 5: Reinforcement installed for concrete driveway

Notice to Proceed

July 30, 2019

Contract Completion

Substantial Completion

November 12, 2019

Final Completion

November 27, 2019

Prepared By:

Joseph R. Ragusa, P.E.

Remington and Vernick Engineers

**Camden County Department of Public Works
Division of Engineering
Roadway Improvements to Hopkins Avenue (CR 647) from
Crystal Lake Avenue (CR 643) to Cuthbert Boulevard (CR 636)
Camden County, New Jersey
Weekly Progress Report No. 2
August 11, 2019 to August 17, 2019**



Figure 1: Wire reinforcement used for commercial parking lot

Work Completed Week of August 11, 2019

- Installed concrete vertical curb, sidewalk, reinforced driveways, monolithic curb and gutter, and curb ramps between Paul VI High School and Bruno's Restaurant & Pizza
- Curb forms were covered with plastic during rainy conditions to protect the excavated areas
- American Water and PSE&G visited site at Bruno's Restaurant & Pizza to repair and relocate the water valve damaged during Marandino's excavation

Quantities Week of August 11, 2019

- **Item #2:** Police Uniform Law Enforcement Officer (127 MH)
- **Item #35:** Concrete Sidewalk, 4" Thick (69.8 SY)
- **Item #36:** Concrete Driveway, 6" Thick (230.44 SY)
- **Item #38:** Detectable Warning Surface (3.56 SY)
- **Item #39:** 9"x18" Concrete Vertical Curb (114 LF)

Summary of Work Completed Week of August 11, 2019

Charles Marandino (Marandino) continued demolition of existing concrete and replacement with new concrete vertical curb, sidewalk, reinforced driveways, monolithic curb & gutter, and curb

ramps between Paul VI High School and Bruno’s Restaurant & Pizza. One inlet within these limits was reset and repaired. Maintenance and Protection of Traffic (MPT) is set up before each work day and taken down at the end of each work shift. Police Uniform Law Enforcement Officers are additionally utilized for traffic control.

Anticipated Work for Week of August 18, 2019

Marandino will continue with the removal and replacement of concrete curb, sidewalk, driveways, and curb ramps as specified in the plans along Hopkins Avenue. Daily traffic control will continue to be implemented for the duration of the project. An onsite progress meeting will be held on August 20, 2019 to review all project related activities.



Figure 2: Temporary plastic covering over curb due to rain throughout the day



Figure 3: Concrete for 6” driveway being placed



Figure 4: Water valve fixed and relocated



*Figure 5:
Concrete for 6" driveway being placed*

Notice to Proceed

July 30, 2019

Contract Completion

Substantial Completion

November 12, 2019

Final Completion

November 27, 2019

Prepared By:

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**Camden County Department of Public Works
Division of Engineering
Roadway Improvements to Hopkins Avenue (CR 647) from
Crystal Lake Avenue (CR 643) to Cuthbert Boulevard (CR 636)
Camden County, New Jersey
Weekly Progress Report No. 3
August 18, 2019 to August 24, 2019**



Figure 1: Concrete curb ramp reconstruction

Work Completed Week of August 18, 2019

- Installed concrete vertical curb, sidewalk, reinforced driveways, monolithic curb and gutter, and curb ramps by Bruno's Pizza and E. Nicholson Road and E. Merchant Street
- Roadway milling operations between Cuthbert Boulevard and the culvert
- Guide rail removal by Graisbury Avenue
- Culvert reconstruction work

Quantities Week of August 18, 2019

- **Item #2:** Police Uniform Law Enforcement Officer (146.5 MH)
- **Item #7:** HMA Milling, 0" to 2" (5062.9 SY)
- **Item #30:** Curb Piece Type 'N' ECO (4"/6"/8") (2 UN)
- **Item #32:** Parging Inlet (1 UN)
- **Item #35:** Concrete Sidewalk, 4" Thick (40.12 SY)
- **Item #36:** Concrete Driveway, 6" Thick (31.86 SY)
- **Item #38:** Detectable Warning Surface (1.78 SY)
- **Item #39:** 9"x18" Concrete Vertical Curb (424 LF)
- **Item #41:** Monolithic Concrete Curb & Gutter (575 LF)
- **Item #57:** Removal of Beam Guide Rail, End Treatments and Posts (425 LF)

Summary of Work Completed Week of August 18, 2019

Charles Marandino (Marandino) continued demolition of existing concrete and replacement with new concrete vertical curb, sidewalk, reinforced driveways, monolithic curb & gutter, and curb ramps between E. Nicholson Road and E. Merchant Street. The roadway was milled for roadway repairs between Cuthbert Boulevard and the culvert. The guide rail section by Graisbury Ave was removed according to plans and specifications. Work was done by the culvert in preparation for the culvert reconstruction. Maintenance and Protection of Traffic (MPT) is set up before each work day and taken down at the end of each work shift, with the exception of some temporary overnight detours. Police Uniform Law Enforcement Officers are additionally utilized for traffic control. An onsite progress meeting was held on August 20, 2019 to review all project related activities.

Anticipated Work for Week of August 25, 2019

Marandino will continue with the removal and replacement of concrete curb, sidewalk, driveways, and curb ramps as specified in the plans along Hopkins Avenue. Roadway repairs will be conducted between Cuthbert Boulevard and the culvert. Daily traffic control will continue to be implemented for the duration of the project.



Figure 2: Bruno's Pizza work area



Figure 3: Concrete curb



Figure 4: Concrete gutter work



Figure 5: Milling operations along Hopkins Ave

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Substantial Completion

November 12, 2019

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November 27, 2019

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**Camden County Department of Public Works
Division of Engineering
Roadway Improvements to Hopkins Avenue (CR 647) from
Crystal Lake Avenue (CR 643) to Cuthbert Boulevard (CR 636)
Camden County, New Jersey
Weekly Progress Report No. 4
August 25, 2019 to August 31, 2019**



Figure 1: Concrete roadway repairs

Work Completed Week of August 25, 2019

- Installed concrete vertical curb, sidewalk, reinforced driveways, and curb ramps
- Concrete roadway repairs
- Excavation, DGA and geogrid placement, and base course paving at the culvert
- Guide rail installation at culvert

Quantities Week of August 25, 2019

- **Item #2:** Police Uniform Law Enforcement Officer (223.5 MH)
- **Item #5:** Excavation, Unclassified (215 CY)
- **Item #6:** Remove Concrete Roadway (904 SY)
- **Item #13:** HMA, 19M64, Base Course, 6" Thick (347.7 TON)
- **Item #15:** Dense Graded Aggregate Base Course, 6" Thick (904 SY)
- **Item #16:** Pavement Reinforcement Geogrid (904 SY)
- **Item #17:** Concrete Roadway, 9" Thick, Class 'V' (422.57 SY)

- **Item #22:** Reconstruct Inlet, Type 'B' Using New Casting w/ Select Backfill, Designation I-11, No. 8 Stone Bedding and Trench Filter Fabric (1 UNIT)
- **Item #29:** Reset New Castings (Manhole) (1 UNIT)
- **Item #30:** Curb Piece Type 'N' ECO (4"/6"/8") (2 UN)
- **Item #35:** Concrete Sidewalk, 4" Thick (126.16 SY)
- **Item #36:** Concrete Driveway, 6" Thick (12.89 SY)
- **Item #38:** Detectable Warning Surface (1.78 SY)
- **Item #39:** 9"x18" Concrete Vertical Curb (260.5 LF)
- **Item #40:** 6"x8"x18" Concrete Vertical Curb (40 LF)
- **Item #58:** Tangent Guide Rail Terminal (4 UNIT)
- **Item #59:** Beam Guide Rail, Dual Faced (187 LF)
- **Item #60:** Beam Guide Rail Post, 6 Feet Long (40 UNIT)

Summary of Work Completed Week of August 25, 2019

Charles Marandino (Marandino) continued demolition of existing concrete and replacement with new concrete vertical curb, sidewalk, reinforced driveways, and curb ramps. Roadway repairs were conducted between E. Merchant Street and the Paul VI exit. Excavation, DGA and geogrid placement, as well as paving operations by the culvert were completed. New guide was installed at the culvert by Grasbury Ave. Maintenance and Protection of Traffic (MPT) is set up before each work day and taken down at the end of each work shift, with the exception of some temporary overnight traffic control. Police Uniform Law Enforcement Officers are additionally utilized for traffic control. An onsite progress meeting was held on August 27, 2019 to review all project related activities.

Anticipated Work for Week of August 31, 2019

Marandino will continue with the removal and replacement of concrete curb, sidewalk, driveways, and curb ramps as specified in the plans along Hopkins Avenue. Roadway repairs will be conducted between Cuthbert Boulevard and E. Merchant Street. The remaining work in the vicinity of the culvert will also be completed. Daily traffic control will continue to be implemented for the duration of the project. An onsite progress meeting will be held on September 3, 2019 to review all project related activities.



Figure 2: Culvert excavation



Figure 3: DGA and geogrid placement



Figure 4: Guide rail installation



Figure 5: Paving operation

Notice to Proceed

July 30, 2019

Contract Completion

Substantial Completion

November 12, 2019

Final Completion

November 27, 2019

Prepared By:

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Remington and Vernick Engineers

**Camden County Department of Public Works
Division of Engineering
Roadway Improvements to Hopkins Avenue (CR 647) from
Crystal Lake Avenue (CR 643) to Cuthbert Boulevard (CR 636)
Camden County, New Jersey
Weekly Progress Report No. 5
September 1, 2019 to September 7, 2019**



Figure 1: Concrete sidewalk, curb, guide rail and chain link fence by culvert

Work Completed Week of September 1, 2019

- Installed concrete sidewalk, reinforced driveways, and curb ramps
- Concrete roadway repairs from E. Merchant Street to Nicholson Road
- Completed culvert work and opened roadway at culvert for the school

Quantities Week of September 1, 2019

- **Item #2:** Police Uniform Law Enforcement Officer (63.5 MH)
- **Item #6:** Remove Concrete Roadway (129 SY)
- **Item #13:** HMA, 19M64, Base Course, 6" Thick (19.94 TON)
- **Item #17:** Concrete Roadway, 9" Thick, Class 'V' (129 SY)
- **Item #35:** Concrete Sidewalk, 4" Thick (145.49 SY)
- **Item #36:** Concrete Driveway, 6" Thick (5.33 SY)
- **Item #38:** Detectable Warning Surface (3.56 SY)
- **Item #65:** Chain Link Fence, 6 Feet High (238 LF)

Summary of Work Completed Week of September 1, 2019

Charles Marandino (Marandino) continued demolition of existing concrete and replacement with new concrete sidewalk, reinforced driveways, and curb ramps. Roadway repairs were conducted between E. Merchant Street and Nicholson Road. Work was completed at the culvert.

Maintenance and Protection of Traffic (MPT) is set up before each work day and taken down at the end of each work shift, with the exception of some temporary overnight traffic control.

Police Uniform Law Enforcement Officers are additionally utilized for traffic control. An onsite progress meeting was held on September 3, 2019 to review all project related activities.

Anticipated Work for Week of September 8, 2019

Marandino will continue with the removal and replacement of concrete curb, sidewalk, driveways, and curb ramps as specified in the plans along Hopkins Avenue. New storm pipe will be installed and concrete roadway base repairs will be conducted. Daily traffic control will continue to be implemented for the duration of the project.



Figure 2: Roadway base repair



Figure 3: Concrete sidewalk and driveway apron formed



Figure 4: Concrete roadway repairs



Figure 5: Concrete roadway repairs

Notice to Proceed July 30, 2019

Contract Completion
Substantial Completion November 12, 2019
Final Completion November 27, 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
Roadway Improvements to Hopkins Avenue (CR 647) from
Crystal Lake Avenue (CR 643) to Cuthbert Boulevard (CR 636)
Camden County, New Jersey
Weekly Progress Report No. 6
September 8, 2019 to September 14, 2019**



Figure 1: Concrete curb and gutter

Work Completed Week of September 8, 2019

- Installed concrete sidewalk, curb and gutter, reinforced driveways, and curb ramps
- Concrete roadway repairs on Hopkins Ave at intersections with Graisbury Ave and Johnston Ave
- Storm pipe installation from Graisbury Ave to Avondale Ave

Quantities Week of September 8, 2019

- **Item #2:** Police Uniform Law Enforcement Officer (146.5 MH)
- **Item #6:** Remove Concrete Roadway (115.11 SY)
- **Item #17:** Concrete Roadway, 9" Thick, Class 'V' (115.11 SY)
- **Item #22:** Reconstruct Inlet, Type 'B' Using New Casting w/ Select Backfill, Designation I-11, No. 8 Stone Bedding and Trench Filter Fabric (2 UNIT)

- **Item #26:** 18" Diameter RCP, Class 'IV' w/select Backfill, Designation I-11, No. 8 Stone Bedding and Trench Filter Fabric (16 LF)
- **Item #27:** 18" Diameter RCP, Class 'V' w/select Backfill, Designation I-11, No. 8 Stone Bedding and Trench Filter Fabric (28 LF)
- **Item #29:** Reset New Castings (Manhole) (1 UNIT)
- **Item #30:** Curb Piece Type 'N' ECO (4"/6"/8") (2 UNIT)
- **Item #32:** Parging Inlet (6 UNIT)
- **Item #35:** Concrete Sidewalk, 4" Thick (58.31 SY)
- **Item #36:** Concrete Driveway, 6" Thick (32.67 SY)
- **Item #38:** Detectable Warning Surface (2.67 SY)
- **Item #41:** Monolithic Concrete Curb & Gutter (590 LF)

Summary of Work Completed Week of September 8, 2019

Charles Marandino (Marandino) continued demolition of existing concrete and replacement with new concrete sidewalk, curb and gutter, reinforced driveways, and curb ramps. Roadway repairs were conducted on Hopkins Ave at the intersections with Graisbury Ave and Johnston Ave. Marandino's subcontractor started installation of the storm sewer from Graisbury Ave to Avondale Ave. Maintenance and Protection of Traffic (MPT) is set up before each work day and taken down at the end of each work shift. Police Uniform Law Enforcement Officers are additionally utilized for traffic control.

Anticipated Work for Week of September 15, 2019

Marandino will continue with the removal and replacement of concrete curb, sidewalk, driveways, and curb ramps as specified in the plans along Hopkins Avenue. Concrete subbase repairs will be conducted between E. Nicholson Road and Cuthbert Boulevard, as well as between Graisbury Ave to Avondale Ave where storm pipe will be installed. Surface course will be paved from the culvert location to Cuthbert Boulevard. Daily traffic control will continue to be implemented for the duration of the project. An onsite progress meeting will be held on September 17, 2019 to review all project related activities.



Figure 2: Concrete roadway subbase repairs



Figure 3: Concrete roadway subbase repair



Figure 4: Installation of storm sewer system



Figure 5: Excavation for concrete roadway repairs

Notice to Proceed July 30, 2019

Contract Completion
Substantial Completion November 12, 2019
Final Completion November 27, 2019

Prepared By:

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

**Camden County Department of Public Works
Division of Engineering
Roadway Improvements to Hopkins Avenue (CR 647) from
Crystal Lake Avenue (CR 643) to Cuthbert Boulevard (CR 636)
Camden County, New Jersey
Weekly Progress Report No. 7
September 15, 2019 to September 21, 2019**



Figure 1: Paving operations by Paul VI

Work Completed Week of September 15, 2019

- Installed concrete sidewalk, curb, reinforced driveways, and curb ramps
- Concrete roadway repairs on Hopkins Ave at intersections with Graisbury Ave and Johnston Ave
- Storm pipe installation from Graisbury Ave to Lafayette Road
- Paving operations were completed from Cuthbert Boulevard to the Paul VI entrance

Quantities Week of September 15, 2019

- **Item #2:** Police Uniform Law Enforcement Officer (223 MH)
- **Item #6:** Remove Concrete Roadway (512.54 SY)
- **Item #10:** Leveling Course, 9.5M64 (99.8 TON)
- **Item #11:** HMA, 9.5M64, Surface Course, 2" Thick (497.02 TON)

- **Item #17:** Concrete Roadway, 9” Thick, Class ‘V’ (390.33 SY)
- **Item #18:** Cleaning and Sealing Joints (416 LF)
- **Item #22:** Reconstruct Inlet, Type ‘B’ Using New Casting w/ Select Backfill, Designation I-11, No. 8 Stone Bedding and Trench Filter Fabric (4 UNIT)
- **Item #25:** 18” Diameter RCP, Class ‘III’ w/select Backfill, Designation I-11, No. 8 Stone Bedding and Trench Filter Fabric (19 LF)
- **Item #29:** Reset New Castings (Manhole) (1 UNIT)
- **Item #30:** Curb Piece Type ‘N’ ECO (4”/6”/8”) (1 UNIT)
- **Item #31:** Bicycle Safe Grate (1 UNIT)
- **Item #33:** Parging Manhole (1 UNIT)
- **Item #35:** Concrete Sidewalk, 4” Thick (42.69 SY)
- **Item #36:** Concrete Driveway, 6” Thick (39.55 SY)
- **Item #38:** Detectable Warning Surface (1.78 SY)
- **Item #39:** 9”x18” Concrete Vertical Curb (275 LF)

Summary of Work Completed Week of September 15, 2019

Charles Marandino (Marandino) continued demolition of existing concrete and replacement with new concrete sidewalk, curb, reinforced driveways, and curb ramps. Roadway repairs were conducted on Hopkins Ave at the intersections with Graisbury Ave and Johnston Ave. Marandino’s subcontractor started installation of the storm sewer from Graisbury Ave to Lafayette Road. Maintenance and Protection of Traffic (MPT) is set up before each work day and taken down at the end of each work shift. Police Uniform Law Enforcement Officers are additionally utilized for traffic control. An onsite progress meeting was held on September 17, 2019 to review all project related activities.

Anticipated Work for Week of September 21, 2019

Marandino will continue with the removal and replacement of concrete curb, sidewalk, driveways, and curb ramps as specified in the plans along Hopkins Avenue. Concrete subbase repairs will be conducted between Graisbury Ave and Lafayette Road. Storm sewer installation will take place between Grasibury Ave and Lafayette Road also. Daily traffic control will continue to be implemented for the duration of the project.



Figure 2: Roadway excavation



Figure 3: Storm sewer inlet reconstruction



Figure 4: Concrete roadway repairs



Figure 5: Concrete placed for roadway repairs

Notice to Proceed July 30, 2019

Contract Completion
Substantial Completion November 12, 2019
Final Completion November 27, 2019

Prepared By:

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

**Camden County Department of Public Works
Division of Engineering
Roadway Improvements to Hopkins Avenue (CR 647) from
Crystal Lake Avenue (CR 643) to Cuthbert Boulevard (CR 636)
Camden County, New Jersey
Weekly Progress Report No. 8
September 22, 2019 to September 28, 2019**



Figure 1: Storm sewer installation

Work Completed Week of September 22, 2019

- Installed concrete sidewalk, curb, reinforced driveways, and curb ramps
- Concrete roadway repairs on Hopkins Ave at intersections with Avondale Ave, Mt. Vernon Ave, and Cornell Ave
- Storm sewer installation from Johnston Ave to Lafayette Road

Quantities Week of September 22, 2019

- **Item #2:** Police Uniform Law Enforcement Officer (211 MH)
- **Item #6:** Remove Concrete Roadway (229.33 SY)
- **Item #17:** Concrete Roadway, 9" Thick, Class 'V' (229.33 SY)
- **Item #19:** Sawing and Sealing Joints in Hot Mix Asphalt Overlay (1326 LF)

- **Item #20:** Trench Filler Fabric Inlet, Type ‘E’ w/select Backfill, Designation I-11, No Stone Bedding and Trench Filter Fabric (2 UNIT)
- **Item #21:** Reconstruct Inlet, Type ‘B’ Using New Casting w/ Select Backfill, Designation I-11, No. 8 Stone Bedding and Trench Filter Fabric (1 UNIT)
- **Item #23:** Manhole, 5’ Diameter w/select Backfill, Designation I-11, No. 8 Stone Bedding and Trench Filter Fabric (2 UNIT)
- **Item #25:** 18” Diameter RCP, Class ‘III’ w/select Backfill, Designation I-11, No. 8 Stone Bedding and Trench Filter Fabric (6 LF)
- **Item #29:** Reset New Castings (Manhole) (1 UNIT)
- **Item #35:** Concrete Sidewalk, 4” Thick (87.49 SY)
- **Item #36:** Concrete Driveway, 6” Thick (33.27 SY)
- **Item #38:** Detectable Warning Surface (3.56 SY)
- **Item #39:** 9”x18” Concrete Vertical Curb (249 LF)
- **Item #40:** 6”x8”x18” Concrete Vertical Curb (89 LF)

Summary of Work Completed Week of September 22, 2019

Charles Marandino (Marandino) continued demolition of existing concrete and replacement with new concrete sidewalk, curb, reinforced driveways, and curb ramps. Roadway repairs were conducted on Hopkins Ave at the intersections with Avondale Ave, Mt. Vernon Ave, and Cornell Ave. Marandino’s subcontractor continued installation of the storm sewer from Johnston Ave to Lafayette Road. Maintenance and Protection of Traffic (MPT) is set up before each work day and taken down at the end of each work shift. Police Uniform Law Enforcement Officers are additionally utilized for traffic control.

Anticipated Work for Week of September 29, 2019

Marandino will continue with the removal and replacement of concrete curb, sidewalk, driveways, and curb ramps as specified in the plans along Hopkins Avenue. Concrete subbase repairs will be conducted and installation of the storm sewer system will continue. Daily traffic control will continue to be implemented for the duration of the project. An onsite progress meeting will be held on October 1, 2019 to review all project related activities.



Figure 2: Excavation for concrete road repair



Figure 3: Concrete placement for road repair



Figure 4: Concrete roadway repairs



Figure 5: Concrete curb ramp placed

Notice to Proceed

July 30, 2019

Contract Completion

Substantial Completion

November 12, 2019

Final Completion

November 27, 2019

Prepared By:

A handwritten signature in blue ink, appearing to read "JR".

Joseph R. Ragusa, P.E.

Remington and Vernick Engineers

**Camden County Department of Public Works
Division of Engineering
Roadway Improvements to Hopkins Avenue (CR 647) from
Crystal Lake Avenue (CR 643) to Cuthbert Boulevard (CR 636)
Camden County, New Jersey
Weekly Progress Report No. 9
September 29, 2019 to October 5, 2019**



Figure 1: Concrete roadway repair

Work Completed Week of October 5, 2019

- Installed concrete sidewalk, curb, reinforced driveways, and curb ramps
- Concrete roadway repairs on Hopkins Ave at intersections with Avondale Ave and between Cornell Ave and Yale Road,
- Storm sewer inlet reconstruction and pipe installation

Quantities Week of October 5, 2019

- **Item #2:** Police Uniform Law Enforcement Officer (166 MH)
- **Item #6:** Remove Concrete Roadway (260.32 SY)
- **Item #17:** Concrete Roadway, 9" Thick, Class 'V' (260.32 SY)
- **Item #21:** Reconstruct Inlet, Type 'B' Using New Casting w/ Select Backfill, Designation I-11, No. 8 Stone Bedding and Trench Filter Fabric (4 UNIT)

- **Item #24:** Inlet Converted to Manhole (1 UNIT)
- **Item #27:** 18" Diameter RCP, Class 'V' w/select Backfill, Designation I-11, No. 8 Stone Bedding and Trench Filter Fabric (13 LF)
- **Item #32:** Parging Inlet (1 UNIT)
- **Item #33:** Parging Manhole (1 UNIT)
- **Item #35:** Concrete Sidewalk, 4" Thick (85.17 SY)
- **Item #36:** Concrete Driveway, 6" Thick (25.44 SY)
- **Item #38:** Detectable Warning Surface (3.56 SY)
- **Item #39:** 9"x18" Concrete Vertical Curb (283 LF)

Summary of Work Completed Week of October 5, 2019

Charles Marandino (Marandino) continued demolition of existing concrete and replacement with new concrete sidewalk, curb, reinforced driveways, and curb ramps. Roadway repairs were conducted on Hopkins Ave at the intersections with Avondale Ave and between Cornell Ave and Yale Road. Marandino's subcontractor continued storm sewer system work by reconstructing inlets and installing storm pipe. Maintenance and Protection of Traffic (MPT) is set up before each work day and taken down at the end of each work shift. Police Uniform Law Enforcement Officers are additionally utilized for traffic control. An onsite progress meeting was held on October 1, 2019 to review all project related activities.

Anticipated Work for Week of October 12, 2019

Marandino will continue with the removal and replacement of concrete curb, sidewalk, driveways, and curb ramps as specified in the plans along Hopkins Avenue. Concrete subbase repairs will be conducted, and installation of the storm sewer system will continue. Daily traffic control will continue to be implemented for the duration of the project.



Figure 2: Concrete sidewalk placed



Figure 3: Inlet converted to a manhole



Figure 4: Reinforcement for concrete roadway repairs



Figure 5: Trench for storm pipe installation

Notice to Proceed July 30, 2019

Contract Completion
 Substantial Completion November 12, 2019
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Prepared By:

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**Camden County Department of Public Works
Division of Engineering
Roadway Improvements to Hopkins Avenue (CR 647) from
Crystal Lake Avenue (CR 643) to Cuthbert Boulevard (CR 636)
Camden County, New Jersey
Weekly Progress Report No. 10
October 6, 2019 to October 12, 2019**



Figure 1: Concrete sidewalk and driveway

Work Completed Week of October 12, 2019

- Installed concrete sidewalk, curb, reinforced driveways, and curb ramps
- Storm sewer inlet reconstruction and pipe installation at Hopkins Ave intersections by Carlisle Road, Crystal Terrace, Yale Road

Quantities Week of October 12, 2019

- **Item #2:** Police Uniform Law Enforcement Officer (182.5 MH)
- **Item 22:** Reconstruct Inlet, Type 'B' Using New Casting w/Select Backfill, Designation I-11, No. 8 Stone Bedding and Trench Filter Fabric (4 UNIT)
- **Item #26:** 18" Diameter RCP, Class 'IV' w/select Backfill, Designation I-11, No. 8 Stone Bedding and Trench Filter Fabric (39 LF)
- **Item #27:** 18" Diameter RCP, Class 'V' w/select Backfill, Designation I-11, No. 8 Stone Bedding and Trench Filter Fabric (13 LF)
- **Item #35:** Concrete Sidewalk, 4" Thick (64.59 SY)

- **Item #36:** Concrete Driveway, 6” Thick (134.44 SY)
- **Item #38:** Detectable Warning Surface (3.56 SY)
- **Item #39:** 9”x18” Concrete Vertical Curb (236 LF)
- **Item #40:** 6”x8”x18” Concrete Vertical Curb (41 LF)

Summary of Work Completed Week of October 12, 2019

Charles Marandino (Marandino) continued demolition of existing concrete and replacement with new concrete sidewalk, curb, reinforced driveways, and curb ramps. Marandino’s subcontractor continued storm sewer system work by reconstructing inlets and installing storm pipe on Hopkins Ave by the intersection by Carlisle Road, Crystal Terrace, and Yale Road. Maintenance and Protection of Traffic (MPT) is set up before each work day and taken down at the end of each work shift. Police Uniform Law Enforcement Officers are additionally utilized for traffic control.

Anticipated Work for Week of October 19, 2019

Marandino will continue with the removal and replacement of concrete curb, sidewalk, driveways, and curb ramps as specified in the plans along Hopkins Avenue. Daily traffic control will continue to be implemented for the duration of the project. An onsite progress meeting will be held on October 15, 2019 to review all project related activities.



Figure 2: Concrete vertical curb placed



Figure 3: Inlet reconstructed



Figure 4: Concrete reinforced driveways



Figure 5: Forms set for concrete vertical curb

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November 27, 2019

Prepared By:

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Division of Engineering
Roadway Improvements to Hopkins Avenue (CR 647) from
Crystal Lake Avenue (CR 643) to Cuthbert Boulevard (CR 636)
Camden County, New Jersey
Weekly Progress Report No. 13
October 27, 2019 to November 2, 2019**



Figure 1: EP Henry Wall

Work Completed Week of November 2, 2019

- Removed and replaced concrete sidewalk, curb, reinforced driveways, and curb ramps along Hopkins Avenue
- Construction of EP Henry Walls

Quantities Week of November 2, 2019

- **Item #2:** Police Uniform Law Enforcement Officer (80 MH)
- **Item #35:** Concrete Sidewalk, 4" Thick (81.44 SY)
- **Item #36:** Concrete Driveway, 6" Thick (134.62 SY)
- **Item #38:** Detectable Warning Surface (7.12 SY)
- **Item #39:** 9"x18" Concrete Vertical Curb (268 LF)
- **Item #40:** 6"x8"x18" Concrete Vertical Curb (108.33 LF)

Summary of Work Completed Week of November 2, 2019

Charles Marandino (Marandino) continued demolition of existing concrete and replacement with new concrete sidewalk, curb, reinforced driveways, and curb ramps. Marandino's subcontractor continued with installation of EP Henry walls on Hopkins Ave. Maintenance and Protection of Traffic (MPT) is set up before each work day and taken down at the end of each work shift. Police Uniform Law Enforcement Officers are additionally utilized for traffic control. An onsite progress meeting was held on October 29, 2019 to review all project related activities.

Anticipated Work for Week of November 9, 2019

Marandino will continue with the removal and replacement of concrete curb, sidewalk, driveways, and curb ramps as specified in the plans along Hopkins Avenue. The contractor will prepare to pave the roadway after the completion of concrete work. Daily traffic control will continue to be implemented for the duration of the project.



Figure 2: Reinforcement for concrete driveway



Figure 3: EP Henry wall constructed



Figure 4: Concrete driveway replacement



Figure 5: Roadway restoration

Notice to Proceed July 30, 2019

Contract Completion
Substantial Completion November 12, 2019
Final Completion November 27, 2019

Prepared By:

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

**Camden County Department of Public Works
Division of Engineering
Roadway Improvements to Hopkins Avenue (CR 647) from
Crystal Lake Avenue (CR 643) to Cuthbert Boulevard (CR 636)
Camden County, New Jersey
Weekly Progress Report No. 14
November 3, 2019 to November 9, 2019**



Figure 1: Concrete curb ramps

Work Completed Week of November 9, 2019

- Removed and replaced concrete sidewalk, curb, reinforced driveways, and curb ramps along Hopkins Avenue
- Reconstruction of Pine Street and Graisbury Avenue by intersections with Hopkins Ave

Quantities Week of November 9, 2019

- **Item #2:** Police Uniform Law Enforcement Officer (106 MH)
- **Item #5:** Excavation, Unclassified (164.02 CY)
- **Item #6:** Remove Concrete Roadway (42.75 SY)
- **Item #12:** HMA, 19M64, Base Course, 3" Thick (72.82 TON)
- **Item #13:** HMA, 19M64, Base Course, 6" Thick (120.78 TON)
- **Item #14:** Dense Grade Aggregate Base Course, 4" Thick (309.67 SY)
- **Item #15:** Dense Graded Aggregate Base Course, 6" Thick (292.75 SY)
- **Item #16:** Pavement Reinforcing Grid (602.42 SY)

- **Item #35:** Concrete Sidewalk, 4” Thick (89.82 SY)
- **Item #36:** Concrete Driveway, 6” Thick (58.29 SY)
- **Item #37:** Exposed Aggregate Driveway, 6” Thick (60.44 SY)
- **Item #38:** Detectable Warning Surface (2.34 SY)
- **Item #39:** 9”x18” Concrete Vertical Curb (68.33 LF)
- **Item #40:** 6”x8”x18” Concrete Vertical Curb (257 LF)
- **Item #42:** Traffic Stripes, Long Life, Epoxy Resin, 4” Thick (3016 LF)

Summary of Work Completed Week of November 9, 2019

Charles Marandino (Marandino) continued demolition of existing concrete and replacement with new concrete sidewalk, curb, reinforced driveways, and curb ramps. Marandino also completed sections of roadway reconstruction on Hopkins Ave at the intersections with Pine Street and Graisbury Avenue. Maintenance and Protection of Traffic (MPT) is set up before each work day and taken down at the end of each work shift. Police Uniform Law Enforcement Officers are additionally utilized for traffic control.

Anticipated Work for Week of November 16, 2019

Marandino will continue with the removal and replacement of concrete curb, sidewalk, driveways, and curb ramps as specified in the plans along Hopkins Avenue. The contractor will pave the roadway after the completion of concrete work, roadway reconstruction, and milling; final completion is expected to be achieved by the contract completion date. Daily traffic control will continue to be implemented for the duration of the project. An onsite progress meeting will be held on November 12, 2019 to review all project related activities.

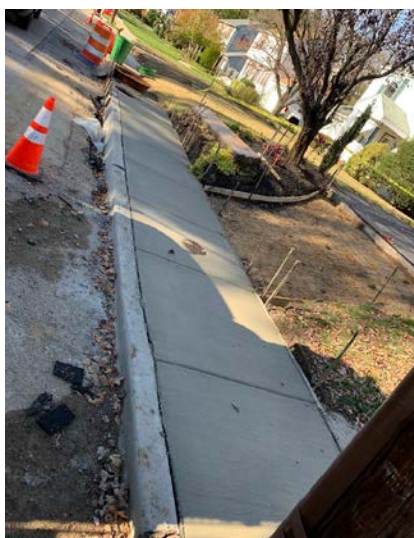


Figure 2: Concrete sidewalk



Figure 3: Concrete sidewalk placement



Figure 4: Roadway demolition



Figure 5: Reconstructed roadway section

Notice to Proceed

July 30, 2019

Contract Completion

Substantial Completion

November 12, 2019

Final Completion

November 27, 2019

Prepared By:

Joseph R. Ragusa, P.E.

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**Camden County Department of Public Works
Division of Engineering
Roadway Improvements to Hopkins Avenue (CR 647) from
Crystal Lake Avenue (CR 643) to Cuthbert Boulevard (CR 636)
Camden County, New Jersey
Weekly Progress Report No. 15
November 10, 2019 to November 16, 2019**



Figure 1: Concrete curb ramp

Work Completed Week of November 16, 2019

- Removed and replaced concrete sidewalk, curb, reinforced driveways, and curb ramps along Hopkins Avenue
- Reconstruction of Johnston Ave, Jess Ave, Yale Ave, Park Place, and Crystal Terrace by intersections with Hopkins Ave

Quantities Week of November 16, 2019

- **Item #2:** Police Uniform Law Enforcement Officer (91 MH)
- **Item #5:** Excavation, Unclassified (69.09 CY)
- **Item #6:** Remove Concrete Roadway (349.38 SY)
- **Item #12:** HMA, 19M64, Base Course, 3" Thick (35 TON)
- **Item #13:** HMA, 19M64, Base Course, 6" Thick (169.41 TON)

- **Item #14:** Dense Grade Aggregate Base Course, 4” Thick (186.89 SY)
- **Item #15:** Dense Graded Aggregate Base Course, 6” Thick (422.5 SY)
- **Item #16:** Pavement Reinforcing Grid (609.39 SY)
- **Item #21:** Reconstruct Inlet, Type ‘E’ Using New Casting w/Select Backfill, Designation I-11, No. 8 Stone Bedding and Trench Filter Fabric (1 UNIT)
- **Item #29:** Reset New Castings (Manhole) (1 UNIT)
- **Item #35:** Concrete Sidewalk, 4” Thick (21.66 SY)
- **Item #36:** Concrete Driveway, 6” Thick (10.27 SY)
- **Item #37:** Exposed Aggregate Driveway, 6” Thick (29.56 SY)
- **Item #40:** 6”x8”x18” Concrete Vertical Curb (27.33 LF)

Summary of Work Completed Week of November 16, 2019

Charles Marandino (Marandino) continued demolition of existing concrete and replacement with new concrete sidewalk, curb, reinforced driveways, and curb ramps. Marandino also completed sections of roadway reconstruction on Hopkins Ave at the intersections with Johnston Ave, Jess Ave, Yale Ave, Park Place, and Crystal Terrace to repair soft spots in the roadway. EP Henry walls continued to be installed on Hopkins Ave by Marandino’s subcontractor. Maintenance and Protection of Traffic (MPT) is set up before each work day and taken down at the end of each work shift. Police Uniform Law Enforcement Officers are additionally utilized for traffic control. An onsite progress meeting was held on November 13, 2019 to review all project related activities.

Anticipated Work for Week of November 23, 2019

Marandino will continue with the removal and replacement of concrete curb, sidewalk, driveways, and curb ramps as specified in the plans along Hopkins Avenue. The contractor will pave the roadway after the completion of concrete work, roadway reconstruction, and milling; final completion is expected to be achieved by the contract completion date. Daily traffic control will continue to be implemented for the duration of the project.



Figure 2: Manhole reconstruction



Figure 3: Intersection paving



Figure 4: Proposed concrete gutter curb



Figure 5: Reconstructed roadway section

Notice to Proceed

July 30, 2019

Contract Completion

Substantial Completion

November 12, 2019

Final Completion

November 27, 2019

Prepared By:

Joseph R. Ragusa, P.E.

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**Camden County Department of Public Works
Division of Engineering
Roadway Improvements to Hopkins Avenue (CR 647) from
Crystal Lake Avenue (CR 643) to Cuthbert Boulevard (CR 636)
Camden County, New Jersey
Weekly Progress Report No. 16
November 17, 2019 to November 23, 2019**



Figure 1: Intersection paving

Work Completed Week of November 23, 2019

- Removed and replaced concrete curb and curb ramps along Hopkins Avenue
- Reconstruction of Carlisle Road and Yale Road by intersections with Hopkins Ave as well as the shoulders along Hopkins Ave
- Construction of concrete block walls
- Milling and preparation for paving Hopkins Ave

Quantities Week of November 23, 2019

- **Item #2:** Police Uniform Law Enforcement Officer (125.5 MH)
- **Item #5:** Excavation, Unclassified (124.68 CY)
- **Item #6:** Remove Concrete Roadway (18.89 SY)

- **Item #7:** HMA Milling, 0” to 2” (112 SY)
- **Item #8:** Concrete Milling, 0” to 2” (74.39 SY)
- **Item #11:** HMA, 9.5M64, Surface Course, 2” Thick (5.14 TON)
- **Item #13:** HMA, 19M64, Base Course, 6” Thick (184.90 TON)
- **Item #15:** Dense Graded Aggregate Base Course, 6” Thick (521.92 SY)
- **Item #16:** Pavement Reinforcing Grid (521.92 SY)
- **Item #18:** Cleaning and Sealing Joints (8240 LF)
- **Item #29:** Reset New Castings (Manhole) (7 UNIT)
- **Item #38:** Detectable Warning Surface (4.45 SY)
- **Item #39:** 9”x18” Concrete Vertical Curb (11 LF)

Summary of Work Completed Week of November 23, 2019

Charles Marandino (Marandino) continued demolition of existing concrete and replacement with new concrete curb and curb ramps. Marandino also completed sections of roadway reconstruction on Hopkins Ave shoulder areas as well as at the intersections with Carlisle Road and Yale Road. Concrete block walls continued to be installed on Hopkins Ave by Marandino’s subcontractor. Marandino prepared for roadway paving operations next week by milling the existing asphalt and concrete roadway, and cleaning and sealing concrete joints. Maintenance and Protection of Traffic (MPT) is set up before each work day and taken down at the end of each work shift. Police Uniform Law Enforcement Officers are additionally utilized for traffic control.

Anticipated Work for Week of November 30, 2019

Marandino will conduct paving operations on Hopkins Ave. Roadway reconstruction and concrete work were completed this week, and Marandino began preparing for paving operations. Daily traffic control will continue to be implemented for the duration of the project. An onsite progress meeting will be held on November 27, 2019 to review all project related activities.



Figure 2: Concrete block wall



Figure 3: Hopkins Ave shoulder reconstruction



Figure 4: Hopkins Ave shoulder reconstruction



Figure 5: Cleaning and sealing joints

Notice to Proceed

July 30, 2019

Contract Completion

Substantial Completion

November 12, 2019

Final Completion

November 27, 2019

Prepared By:

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

**Camden County Department of Public Works
Division of Engineering
Roadway Improvements to Hopkins Avenue (CR 647) from
Crystal Lake Avenue (CR 643) to Cuthbert Boulevard (CR 636)
Camden County, New Jersey
Weekly Progress Report No. 17
November 24, 2019 to November 30, 2019**

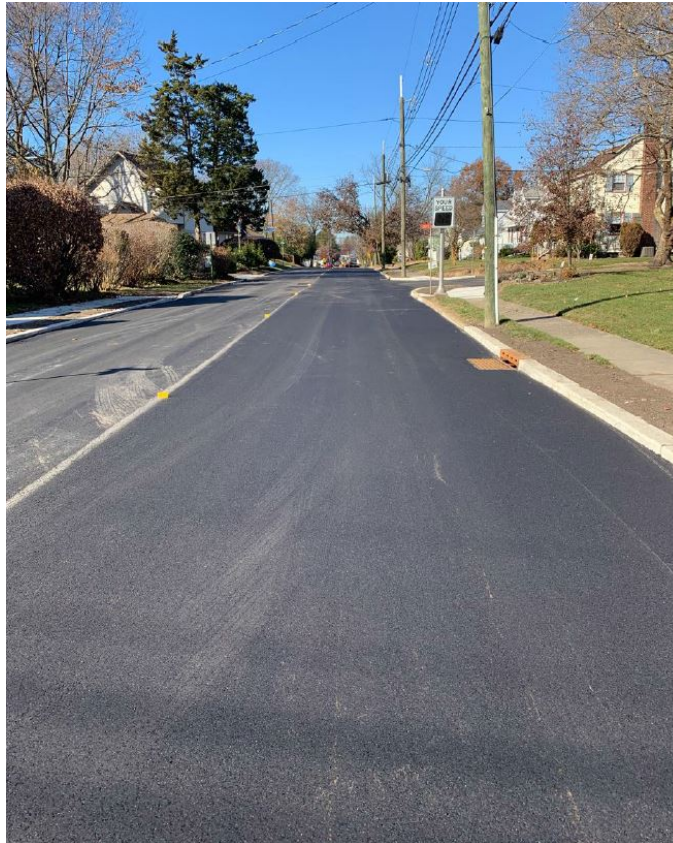


Figure 1: Hopkins Avenue paved

Work Completed Week of November 30, 2019

- Milling and paving operations on Hopkins Ave
- Concrete block wall construction

Quantities Week of November 30, 2019

- **Item #2:** Police Uniform Law Enforcement Officer (119 MH)
- **Item #7:** HMA Milling, 0" to 2" (597.66 SY)
- **Item #11:** HMA, 9.5M64, Surface Course, 2" Thick (1682.3 TON)
- **Item #54:** Polymerized Joint Adhesive (1550 LF)

Summary of Work Completed Week of November 30, 2019

Charles Marandino's (Marandino) subcontractor South State milled and paved Hopkins Avenue. Marandino constructed concrete block walls during the week. Maintenance and Protection of Traffic (MPT) is set up before each work day and taken down at the end of each work shift. Police Uniform Law Enforcement Officers are additionally utilized for traffic control.

Anticipated Work for Week of December 7, 2019

Marandino will conduct roadway striping and sign installation along Hopkins Avenue as well as punchlist work. Daily traffic control will continue to be implemented for the duration of the project.



Figure 2: Milled roadway cleaned and tack applied



Figure 3: Paved driveway



Figure 4: Paving operations

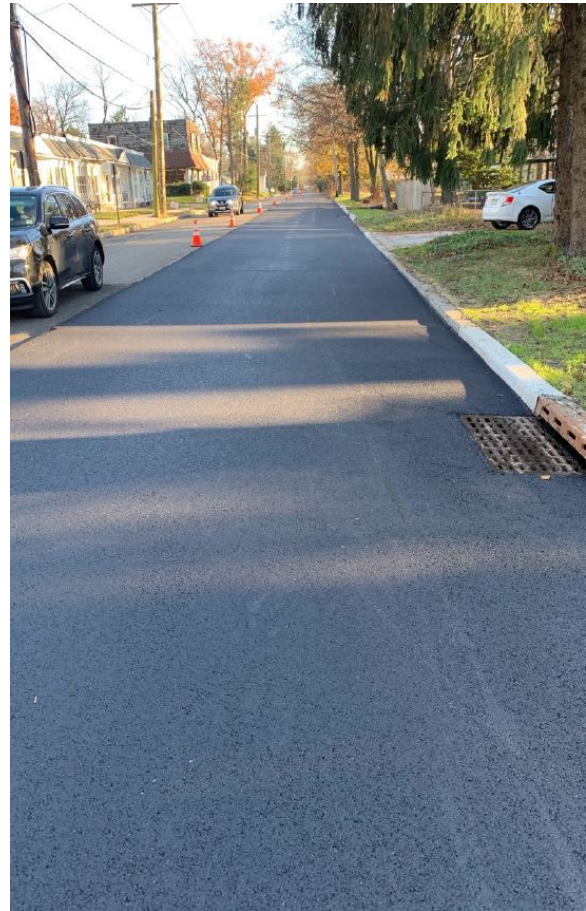


Figure 5: Paved roadway

Notice to Proceed July 30, 2019

Contract Completion
Substantial Completion November 12, 2019
Final Completion November 27, 2019

Prepared By:

A handwritten signature in blue ink, appearing to read 'JR' or 'Ragusa'.

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