

New Jersey Turnpike Authority

2017 Capital Project & Investment Plan

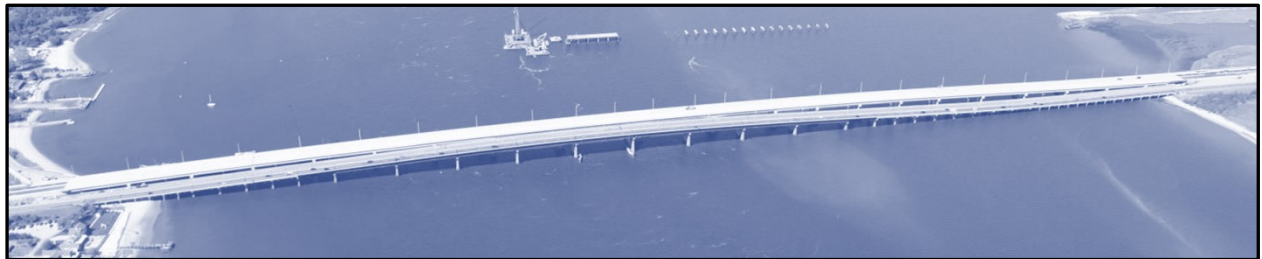




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1. Introduction

New Jersey Statute 27:23-3.2 1(c) directs the New Jersey Turnpike Authority ("the Authority") to file with the Commissioner of the New Jersey Department of Transportation an annual Capital Project and Investment Plan detailing "proposed transportation projects and proposed work on existing transportation projects." This report was prepared pursuant to that requirement.

The Statute directs the Authority to pay particular attention in the plan to projects that "further the goals of attaining coordinated and integrated Statewide and regional transportation systems" and address "the interconnection of the New Jersey Turnpike and the Garden State Parkway with other transportation systems."

It should be noted at the outset that the Authority's contribution to achieving those objectives goes beyond the projects described in this report to include significant financial support for other agencies involved in maintaining and improving New Jersey's transportation infrastructure. Payments for these purposes are made from general reserve funds and are subordinate to all other obligations under the Authority's General Bond Resolution. As of December 1, 2016, the Authority had agreements with the State of New Jersey to make the following payments in 2017:

- A \$22 million annual contribution to the Transportation Trust Fund for the development of State transportation projects;
- Payments totaling \$6.5 million to the New Jersey Department of Transportation to offset the costs of maintenance and repair of feeder roads;
- A \$204 million contribution to the State to be used for transportation purposes. This payment is part of the State Transportation Projects Funding Agreement.

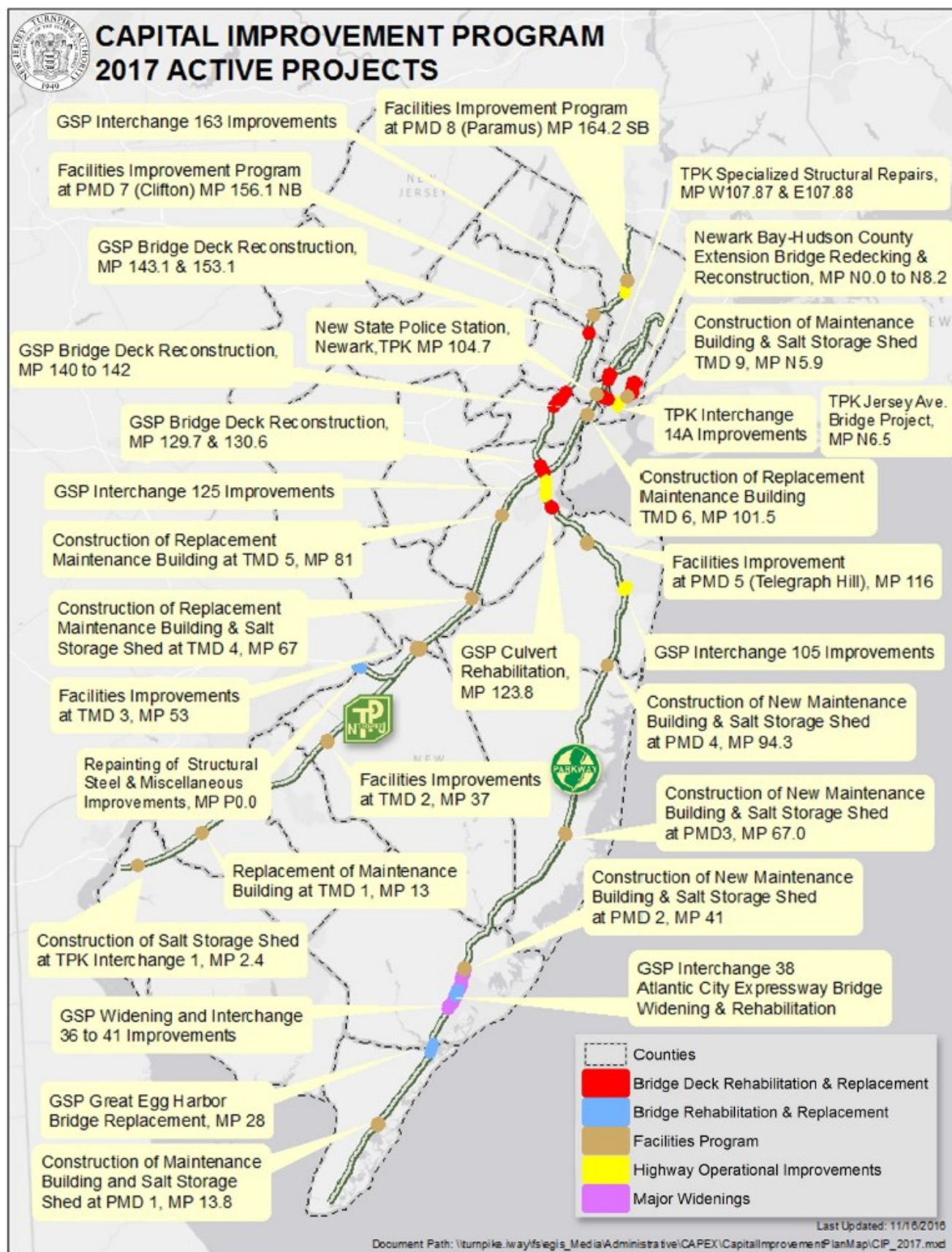
The Statute further directs the Authority to consider in the plan "the impact of an improved transportation system on the State's economy." Tens of thousands of commercial and passenger vehicles travel on the New Jersey Turnpike and Garden State Parkway every day, carrying goods between producer and consumer, and carrying commuters between home and work. From the day they opened to traffic, the toll roads have represented a key competitive advantage for New Jersey in the regional, national and global economies.

The time and fuel wasted by motorists delayed because of congestion caused by inadequate capacity, crashes or maintenance emergencies impose opportunity costs on the state's economy. The Urban Mobility Scorecard by INRIX and the Texas A&M Transportation

Institute¹ found that traffic congestion in urban areas in the U.S. cost drivers 7 billion hours and 3 billion gallons of fuel. That equals 42 hours for every commuter who travels during peak periods. The scorecard put the cost of the wasted time and fuel at \$160 billion, or \$190 per commuter. Investments in adequate capacity, safety and a state of good repair reduce those interruptions and, thus, those costs.

In addition to making New Jersey more competitive and reducing opportunity costs, infrastructure spending also creates and sustains jobs. The most recent official estimate, prepared by the Council of Economic Advisors ("CEA") in the Executive Office of the President of the United States, put the number of jobs created or sustained for one year by every \$1 billion in federal spending on transportation infrastructure at 13,000. Those include jobs in engineering and construction directly supported by infrastructure spending, jobs indirectly supported at facilities and companies supplying materials and equipment for the projects being built, and jobs supported in other parts of the economy as a result of the increased income and spending by companies and individuals who benefit from the direct and indirect jobs. The Authority anticipates spending \$654.1 million on Capital Improvement Program projects in 2017. By the CEA estimate, that level of spending will sustain 8,503 jobs for the year.

¹ Schrank, David; Eisele, Bill; Lomax, Tim; Bak, Jim. (August 2015) "2015 Urban Mobility Scorecard." Retrieved from <http://d2dtl5nnlpfr0r.cloudfront.net/tti.tamu.edu/documents/mobility-scorecard-2015.pdf>



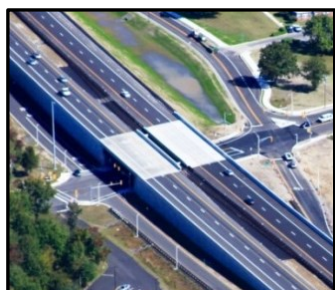
2. Capital Improvement Program

The projects described in this report are components of the Authority's 10-year, \$7 billion Capital Improvement Program ("CIP"). That program, which was adopted by the Authority's Board of Commissioners in October 2008, is funded through the sale of revenue bonds. When the CIP was adopted, the Commissioners also approved a two-step toll increase that is expected to fully fund the debt service on those bonds. The final step of the toll increase was implemented on January 1, 2012.

In addition to the bond-financed projects in the CIP, the Authority anticipates spending \$263 million in 2017 from its Maintenance Reserve, Special Project Reserve, and Supplemental Capital funds on smaller transportation projects. These smaller projects are not described in detail in this report but will contribute to maintaining the roadways, bridges, and other assets in a state of good repair, improving public safety, and providing other benefits to Turnpike and Parkway commuters.

Approximately \$6.4 billion of the \$7 billion CIP has been spent or committed through the first eight years of the program. Many important improvements included in the CIP have been completed and are now providing benefits to Turnpike and Parkway drivers every day, including:

- **A wider New Jersey Turnpike.** The centerpiece of the CIP was the largest capacity expansion in the history of the New Jersey Turnpike Authority, the \$2.2 billion New Jersey Turnpike Interchange 6 to 9 Widening Program. The widening, which was substantially completed and open to traffic in November 2014, added 170 lane miles of highway from near Interchange 6 in Burlington County to Interchange 9 in Middlesex County. A new and relocated toll plaza was constructed at Interchange 8, and three lanes were added to the toll plaza at Interchange 7A. The capacity added in the widening was designed to address both the chronic congestion in the corridor today and the additional demands expected to be placed on the roadway because of growth in the region over the next two decades.



- **A safer Garden State Parkway.** Improving the safety of the Parkway was a key objective of two major projects completed as part of the CIP. The first restored full-width shoulders and improved sight distances on a 17-mile section of the Parkway in Ocean and Monmouth counties where the speed limit had been reduced in 2008 because of a high crash rate. The \$364.1 million project, which was substantially completed in 2015, included the construction of two new bridges and the repair or replacement of 29 others. The second CIP

project with a major safety component involved the elimination of three at-grade intersections in Cape May County. Designated as interchanges 9, 10, and 11, the intersections at Shell Bay Avenue, Stone Harbor Boulevard, and Crest Haven Road had the only traffic lights on the 172-mile mainline of the Parkway. To address the safety concerns and reduce congestion, the traffic lights were eliminated by building overpasses to carry Parkway traffic over the local roadways. Construction of the \$98.7 million project was substantially complete in 2015.

- **Expanded and rejuvenated major bridges.** Five major bridges on the Parkway and Turnpike have been constructed, redecked, or rehabilitated over the past eight

years as part of the CIP. New parallel spans were built alongside existing bridges across the Mullica and Bass Rivers on the Parkway in order to provide the additional capacity necessary to accommodate the Parkway widening. The existing Bass and Mullica River spans have been rehabilitated. A new parallel span was also built on the



Parkway over Drag Channel and Great Egg Harbor. Those bridges were completed in the fall of 2016; work was getting underway in late 2016 on a contract that provides for the rehabilitation of the existing northbound span and the demolition of the existing southbound span. On the Turnpike, decks have been replaced on the Hackensack River Bridge on the Eastern Spur and on sections of the Newark Bay-Hudson County Extension.

- **Better access to and from the toll roads.** More than a dozen interchanges have been built, expanded, or improved under the CIP so far. On the Parkway, a new Interchange 41 was built to provide drivers with direct access to and from Jimmie Leeds Road in Galloway Township, Atlantic County; for many years, drivers were able to access that important local thoroughfare only by cutting through the parking lot at the Atlantic Service Area. Under the same contract, ramps were added to and from the south at Interchange 44, which previously had provided access only to and from the north. Operational improvements were made at interchanges 0, 88/89, and 105 on the Parkway. On the Turnpike, Interchange 7A was expanded and Interchange 8 relocated as part of the 6-9 Widening Program, and improvements were made at interchanges 2, 9, 10, 15W and 16W. Work on several additional interchange improvement projects will continue in 2017; those projects are described elsewhere in this report.



Work on phase 3 of the Garden State Parkway widening will continue through 2017. The \$590 million project is adding a travel lane in each direction between mileposts 35 and 80. The first two phases are already open to traffic. This view of the progress is looking south at around milepost 36.

2.1 Garden State Parkway Widening

The Garden State Parkway Widening is adding a third travel lane and full-width shoulders in each direction between milepost 35 in Egg Harbor Township and milepost 80 in South Toms River. Ninety lane miles are being added to accommodate current and projected future volume in a corridor used heavily by commuters, residents, and visitors destined for towns along the Jersey Shore. The budget for the Parkway Widening is \$590 million, with about \$42.1 million of that expected to be spent in 2017.

When it was adopted in 2008, the CIP included only enough money to complete the northern 17 miles of the Parkway Widening, from milepost 63 in Stafford Township to milepost 80 in South Toms River. That portion was completed and opened to traffic in May 2011.

Because the Turnpike Widening Program and other projects in the CIP came in under budget, the Authority was able to expand the scope of its capital program without increasing the overall cost. The expanded scope included second and third phases of the Parkway Widening, which continued the added lanes and widened shoulders to milepost 35 in Egg Harbor Township.

Phase 2 of the Parkway Widening (milepost 48 to 63) fully opened to traffic in May 2015. The new lanes in each direction between mileposts 63 and 52 opened nearly two years earlier, in July 2013. The new lanes on the four miles at the southern end of the Phase 2 project limits

could not open to traffic until the rehabilitation of the Bass River Bridge was completed in 2015.

Phase 3 of the Parkway Widening (milepost 35 to 48) began in 2014. The new lanes are open in both directions north of milepost 40. The remaining lanes and related interchange improvements are scheduled to be completed in 2018.

- **Location:** *Atlantic, Burlington and Ocean counties*
- **Status:** *Phases 1 and 2 are complete. Work on the Phase 3 construction contracts will continue through 2017 with a scheduled completion of 2018.*
- **Contractors:** *There are 11 construction contracts in total for the three phases. The contractors are Midlantic Construction LLC (four contracts); Richard E. Pierson Construction Co. Inc. (two contracts); Earle Asphalt Co. (two contracts); South State Inc.; Mount Construction Co. Inc.; and Pierson-South State II, A Joint Venture LLC*

2.2 Interchange Improvements

The CIP includes approximately \$1 billion for interchange improvements, and the Authority anticipates spending \$175.2 million in this program area in 2017. The projects on which design or construction will begin or continue in 2017 include:

2.2.1 New Jersey Turnpike

- **Interchange 8A:** A high volume of commercial traffic uses this interchange to travel to and from the many warehousing and logistics facilities in area. This project will improve the local roadway network in the vicinity of the interchange to improve access.
 - **Location:** *Monroe Township and South Brunswick Township, Middlesex County*
 - **Status:** *A construction contract is scheduled to be awarded in 2018.*
- **Interchange 14A:** The interchange is being reconfigured and the toll plaza widened to accommodate both existing traffic and the growth in traffic volume expected to result from the expansion of an adjacent port facility.
 - **Location:** *Bayonne, Hudson County*
 - **Status:** *Construction began in 2015 and was about 65 percent complete as of November 4, 2016. The scheduled completion is 2018.*
 - **Contractor:** *Union Paving & Construction Co. Inc.*
 - **Contract Amount:** *\$163.6 million*



The toll plaza at Interchange 14A is being widened by two lanes, the single-lane ramp from the interchange to the westbound Hudson County Extension will be widened to two lanes, the two-lane connector bridge between the interchange and Route 440, Route 185 and Port Jersey Boulevard will be replaced with a four-lane structure, and a flyover ramp will be built to connect the interchange to Port Jersey Boulevard.

2.2.2 Garden State Parkway

- **Interchanges 36, 37 and 38:** This project will improve traffic operations at these closely spaced interchanges by adding a deceleration lane on the southbound Parkway and an acceleration lane on Tilton Road at Interchange 36 and by separating the traffic entering the Parkway at Interchange 38 (Atlantic City Expressway) from traffic exiting the Parkway at Interchange 37 (Washington Avenue, CR 608). These intersection improvements were included in one of the four contracts for Phase 3 of the Parkway Widening.
 - **Location:** Egg Harbor Township, Atlantic County
 - **Status:** Construction began in late 2014 and was 62 percent complete as of November 4, 2016. Scheduled completion is 2018.
 - **Contractor:** Pierson-South State II, A Joint Venture LLC
 - **Contract Amount:** \$85.6 million (contract includes Parkway widening between mileposts 34.5 and 38)
- **Interchange 105:** This project is intended to provide better access to and from the Parkway at Interchange 105 as well as improve safety and operations at the Hope Road/NJ Route 36 intersection. The improvements include a new southbound connection from the Parkway outer roadway to Wayside Road, the addition of a second northbound deceleration lane from the Parkway outer roadway to Interchange 105 and the reconstruction of the Hope Road/NJ Route 36 intersection.
 - **Location:** Tinton Falls, Monmouth County
 - **Status:** Construction on the first phase (the Hope Road/NJ Route 36 portion) was completed in 2015. Construction on the second phase (the

Wayside Road portion) was 70 percent complete as of November 4, 2016, and is scheduled to be completed in 2018.

- **Phase 1 Contractor:** C.J. Hesse, Inc.
- **Contract Amount:** \$10 million
- **Phase 2 Contractor:** Earle Asphalt Co.
- **Contract Amount:** \$20.1 million
- **Interchange 109:** This project will improve operations and safety by reducing traffic queues on the Parkway and local streets. The improvements include the construction of a new flyover bridge to carry traffic from Newman Springs Road to the northbound Parkway. Intersection and traffic signal improvements along the Newman Springs Road corridor in the vicinity of Interchange 109 are also included.
 - **Location:** Monmouth County
 - **Status:** A construction contract is expected to be bid in 2018.
- **Interchange 125:** This partial interchange will be completed to provide full access between the Parkway and Chevalier Avenue in order to accommodate existing traffic volumes and future growth resulting from the development of the waterfront. The work includes the replacement of bridges on the mainline of the Parkway, improvements to the local roadways, a new northbound Parkway entrance, a reconfigured southbound Parkway entrance, and a new southbound Parkway exit. The new exit, which will be built just before the Raritan South toll plaza, will have an E-ZPass-only toll facility. The company developing the waterfront in Sayreville will contribute \$15 million toward the cost of the project under a cost-sharing agreement approved by the Turnpike Authority Board of Commissioners in 2014.
 - **Location:** Sayreville, Middlesex County
 - **Status:** Construction began in 2016 and was 10 percent complete as of November 4, 2016. The new southbound exit ramp is expected to be open in 2017. Scheduled completion of the full project is late 2019.
 - **Contractor:** A. Servidone Inc. / B. Anthony Construction Corp., a joint venture
 - **Contract Amount:** \$72.4 million
- **Interchange 145:** The bridge that carries Central Avenue over the Garden State Parkway will be replaced with a longer span in order to facilitate improved access between the Parkway and I-280. The entrance ramp from I-280 to the southbound Parkway will be widened to two lanes. The relocation of the bridge abutments and the elimination of the center pier in the median between the northbound and southbound Parkway will allow for two standard width deceleration lanes from the northbound Parkway to I-280.

- **Location:** East Orange, Essex County
- **Status:** Construction is scheduled to begin in 2017.
- **Interchange 163:** Interchange 163, which connects to Route 17, is one of the few remaining left-side exits on the Parkway. In order to improve traffic operations, this project will move the exits to the right side of the highway by realigning the Parkway into the existing median. The work includes the construction of six new bridges and the replacement of the superstructure on four existing bridges, among other improvements.
 - **Location:** Paramus, Bergen County
 - **Status:** Construction began in 2014 and was 72 percent complete as of November 4, 2016. Scheduled completion is 2017.
 - **Contractor:** Ferreira Construction Co. Inc.
 - **Contract Amount:** \$67.9 million



The ramps from the Parkway to Route 17 in Paramus (Interchange 163) are being moved from the left side of the road to the right. Here, a construction crew works on one of the six new bridges being built in connection with the project.

2.3 **Bridge Improvements**

Bridge improvements in the CIP include redecking, seismic retrofitting, security measures, cleaning and repainting of structural steel, substructure repairs and other improvements to the 16 major Turnpike and Parkway bridges and other high-priority structures. The CIP includes \$1.7 billion for bridge improvements, and the Authority anticipates spending \$200.2 million in this program area in 2017. The projects on which construction will begin or continue in 2017 include:

2.3.1 **New Jersey Turnpike**

- **Delaware River Turnpike Bridge:** This project provides for blast cleaning, repainting, seismic retrofit, structural steel repairs, catwalk improvements and other work on the bridge that connects the Pearl Harbor Extension of the New

Jersey Turnpike to the Pennsylvania Turnpike. The cost of the work is being shared equally by the Authority and the Pennsylvania Turnpike Commission.

- **Location:** *Burlington Township, Burlington County*
- **Status:** *Work began in 2014 and was approximately 60 percent complete as of November 4, 2016. Scheduled completion is early 2018.*
- **Contractor:** *Allied Painting Inc.*
- **Contract Amount:** *\$50.5 million*
- **Newark Bay-Hudson County Extension:** This contract provides for shoulder and ramp bridge deck reconstruction and miscellaneous other improvements on the Newark Bay-Hudson County Extension.
 - **Location:** *Essex, Hudson Counties*
 - **Status:** *Work began in 2016 and was approximately 5 percent complete as of November 4, 2016. Scheduled completion is 2018.*
 - **Contractor:** *J. Fletcher Creamer & Son Inc. and Joseph M. Sanzari Inc., a joint venture*
 - **Contract Amount:** *\$55.7 million*

2.3.2 **Garden State Parkway**

- **Great Egg Harbor and Drag Channel Bridges:** A new southbound span over Great Egg Harbor and Drag Channel opened to traffic in 2016. The \$142.9 million project included the demolition of the nearby Beesleys Point Bridge. Under a separate contract awarded in 2016, the Authority will rehabilitate the existing northbound span and demolish the existing southbound span.
 - **Location:** *Upper Township, Cape May County, and Somers Point, Atlantic County*
 - **Status:** *Construction on the new southbound span is complete. The contract for the rehabilitation of the northbound span and the demolition of the old southbound span was 1 percent complete as of November 4, 2016, and is scheduled to be completed in 2019.*
 - **Contractor:** *Richard E. Pierson Construction Co.*
 - **Contract Amount:** *\$49.8 million*

The last remaining section of the Beesleys Point Bridge was taken down in the fall of 2016. The bridge, which once carried Route 9 traffic across Great Egg Harbor, was demolished as part of the Great Egg Harbor Bridge contract.



- **Deck Reconstruction:** Two non-major bridge deck and superstructure replacement projects are ongoing, one each in the central and northern regions of the Parkway. The central project covers six bridges between mileposts 121 and 131; the northern project covers eight bridges between mileposts 143 and 159.
 - **Location:** Monmouth, Middlesex, Union, Passaic and Bergen counties
 - **Status:** The central project began in early 2015 and is scheduled to be completed by late 2018. It was 46 percent complete as of November 4, 2016. The northern project began in early 2015 and is scheduled to be completed by late 2017. It was 51 percent complete as of November 4, 2016.
 - **Contractor Central Project:** Northeast Remsco Construction, Inc.
 - **Contract Amount Central Project:** \$42.7 million
 - **Contractor Northern Project:** Ferreira Construction Co. Inc.
 - **Contract Amount Northern Project:** \$47.2 million

2.3.3 Contracts for Improvements to Bridges on Both Roadways

- **Bridge Security:** The Authority is making security improvements at the highest priority bridges on the Turnpike and Parkway. The priorities were determined through previous security assessments.
 - **Location:** Various
 - **Status:** Work began in 2012 and was 60 percent complete as of November 4, 2016. Scheduled completion is late 2018.
 - **Contractor:** Tishman Construction Corp. of NJ
 - **Contract Amount:** \$71.2 million

2.4 Roadway Improvements

The Roadway Improvements in the CIP include widening and strengthening roadway shoulders, replacing deteriorated guide rail, improving drainage, repairing median barriers, installing variable message signs, replacing weathered and outdated guide signs, and making other investments to improve the safety and operation of the Turnpike and Parkway. Approximately \$816.8 million is set aside in the CIP for roadway improvements, and the Authority anticipates spending \$31.5 million in this project area in 2016. Projects that will begin or continue in 2016 include:

2.4.1 New Jersey Turnpike

- **Guide Sign Replacement:** Dated mainline and interchange signs are being brought into compliance with current standards in the Manual for Uniform Traffic Control Devices. The work includes the replacement of existing guide sign panels, the installation of new sign support structures, and the removal and relocation of existing support structures on the New Jersey Turnpike and the Garden State Parkway. Work was performed under four separate guide sign contracts. Three of those are scheduled to be completed by the end of 2016. The contract under which work will continue in 2017 provides for guide sign replacement on the New Jersey Turnpike.
 - **Location:** *Various locations on the New Jersey Turnpike*
 - **Status:** *Construction began in 2015 and was 60 percent complete as of November 4, 2016. Scheduled completion is 2017.*
 - **Contractors:** *PKF-Mark III Inc.*
 - **Contract Amount:** *\$27 million*

2.4.2 Garden State Parkway

- **Culvert Rehabilitation:** A 142-inch by 102-inch pipe arch culvert crossing under the southbound local lanes of the Garden State Parkway at milepost 123.8 will be rehabilitated and reinforced.
 - **Location:** *Sayreville, Middlesex County*
 - **Status:** *A construction contract was awarded in late 2016. The scheduled completion date is October 2017.*
 - **Contractors:** *Rencor Inc.*
 - **Contract Amount:** *\$4.4 million*
-



This is a view of the warehouse area inside the new 65,000-square-foot Central Services facility. The facility, built under the Capital Improvement Program and completed in late 2016, provides space for centralized purchasing, receiving, and distribution. It is located in Woodbridge, near the crossroads of the Turnpike and Parkway. The facility includes an inventory storage area, loading docks, ITS offices, a motor pool garage, and a maintenance department work bay.

2.5 Facilities Improvements

The Facilities Improvements Program in the CIP includes projects to replace four deteriorating facilities for Troop D of the New Jersey State Police, to rehabilitate 16 Turnpike and Parkway maintenance district facilities to bring them into compliance with current building codes and operational standards, and to make life safety and operational improvements at all Turnpike toll plaza buildings. The facilities improvements also include a new central services facility. In total, under the Facilities Improvement Program, the Authority will construct 42 new buildings and rehabilitate 18 others. The CIP includes \$652.6 million for Facilities Improvements, and the Authority anticipates spending \$122 million in this program area in 2017. Projects that will begin or continue in 2017 include:

2.5.1 Maintenance Facilities

The Authority is replacing maintenance buildings and adding salt storage capacity on the Turnpike and the Parkway. Projects that will begin or continue in 2017 include:

2.5.1.1 New Jersey Turnpike

- **Interchange 1 Salt Shed:** A new salt shed is being constructed.
 - **Location:** Milepost 2.4 northbound, Carney's Point, Salem County
 - **Status:** This project is being built under the same contract as the improvements at the Moorestown and Crosswicks maintenance yards.

A contract was awarded in December 2015 and was 31 percent complete as of November 4, 2016. The projected completion date for the salt shed is mid-2017.

- **Contractor:** Dobco Inc.
- **Contract Amount:** \$56.9 million

The new 16,000-square-foot multi-use building at the southernmost maintenance yard on the Turnpike — the Swedesboro Maintenance Yard in Gloucester County — was scheduled to be in full use by the end of 2016.



- **Swedesboro Maintenance Yard (Turnpike Maintenance District 1):** A new 16,000-square-foot multi-use building and a fire pump/well house are being constructed.
 - **Location:** Milepost 13.0 northbound, Woolwich Township, Gloucester County
 - **Status:** Construction started in 2015 and was 77 percent complete as of November 4, 2016. Scheduled completion is late 2016.
 - **Contractor:** A.P. Construction Inc.
 - **Contract Amount:** \$12.4 million
- **Moorestown Maintenance Yard (Turnpike Maintenance District 2):** An existing multi-use building is being rehabilitated and a new multi-use building is being constructed.
 - **Location:** Milepost 37 northbound, Mount Laurel, Burlington County
 - **Status:** A contract was awarded in December 2015 and was 31 percent complete as of November 4, 2016. The projected completion date is mid-2018. This project is being built under the same contract as the Interchange 1 salt shed and the improvements at the Crosswicks maintenance yard.
 - **Contractor:** Dobco Inc.
 - **Contract Amount:** \$56.9 million

- **Crosswicks Maintenance Yard (Turnpike Maintenance District 3):** A new multi-use building and a salt storage shed are being constructed.
 - **Location:** Milepost 56.0 northbound, Chesterfield Township, Burlington County
 - **Status:** A contract was awarded in December 2015 and was 31 percent complete as of November 4, 2016. The projected completion date is mid-2019. This project is being built under the same contract as the Interchange 1 salt shed and the improvements at the Moorestown maintenance yard.
 - **Contractor:** Dobco Inc.
 - **Contract Amount:** \$56.9 million
- **Hightstown Maintenance Yard (Turnpike Maintenance District 4):** A new 20,000-square-foot multi-use building and a 13,000-square-foot salt storage shed are being constructed.
 - **Location:** Milepost 67.0 southbound, East Windsor Township, Mercer County
 - **Status:** A contract was awarded in 2015 and was 48 percent complete as of November 4, 2016. Scheduled completion is 2018. This project is being built under the same contract as the improvements at the Jersey City Maintenance Yard.
 - **Contractor:** Joseph A. Natoli Construction Corp.
 - **Contract Amount:** \$41.1 million
- **Milltown Maintenance Yard (Turnpike Maintenance District 5):** A new 16,000-square-foot multi-use building and a 700-square-foot fire pump/well house are being constructed.
 - **Location:** Milepost 81.0 southbound, Milltown, Middlesex County
 - **Status:** Construction started in 2015 and was 34 percent complete as of November 4, 2016. Scheduled completion is mid-2017.
 - **Contractor:** Patock Construction Company
 - **Contract Amount:** \$14.3 million
- **Elizabeth Maintenance Yard (Turnpike Maintenance District 6):** A new maintenance building and garage are being constructed.
 - **Location:** Milepost 101.5 northbound, Elizabeth, Union County
 - **Status:** Construction started in 2015 and was 65 percent complete as of November 4, 2016. Scheduled completion is 2017.
 - **Contractor:** A.P.S. Contractors Inc.
 - **Contract Amount:** \$14.9 million



The new facility at the Secaucus Maintenance Yard opened in 2016. It features four garage bays and an adjacent two-story administrative building. The contract included the demolition of two buildings onsite, new utility services, and drainage, grading and paving work.

- **Jersey City Maintenance Yard (Turnpike Maintenance District 9):** A new 12,000-square-foot multi-use maintenance building and a salt storage shed are being constructed.
 - **Location:** Milepost 5.9 of the Newark Bay-Hudson County Extension of the Turnpike, Jersey City, Hudson County
 - **Status:** A contract was awarded in 2015 and was 48 percent complete as of November 4, 2016. Scheduled completion is 2018. This project is being built under the same contract as the improvements at the Hightstown Maintenance Yard.
 - **Contractor:** Joseph A. Natoli Construction Corp.
 - **Contract Amount:** \$41.1 million

3.1.1.1 Garden State Parkway

- **Swainton Maintenance Yard (Parkway Maintenance District 1):** A new 16,000-square-foot multi-use building and a 9,000-square-foot salt storage shed are being constructed.
 - **Location:** Milepost 13.8, Middle Township, Cape May County
 - **Status:** Construction began in 2015. This improvement is being built under the same contract as the improvements at the Herbertsville Maintenance Yard. That contract was 80 percent complete as of November 4, 2016. Scheduled completion is late 2017.
 - **Contractor:** A.P. Construction, Inc.
 - **Contract Amount:** \$31.9 million

- **White Horse Maintenance Yard (Parkway Maintenance District 2):** A new multi-use building and a salt storage shed are being constructed.
 - **Location:** Milepost 41, Galloway Township, Atlantic County
 - **Status:** The White Horse Maintenance Yard work is being done under the same contract as the improvements at the Ocean Maintenance Yard. The contract was 24 percent complete as of November 4, 2016. Scheduled completion is late 2017.
 - **Contractor:** A.P. Construction, Inc.
 - **Contract Amount:** \$40.8 million
- **Ocean Maintenance Yard (Parkway Maintenance District 3):** A new multi-use building and a salt storage shed are being constructed.
 - **Location:** Milepost 67.7, Barnegat Township, Ocean County
 - **Status:** The Ocean Maintenance Yard work is being done under the same contract as the improvements at the White Horse Maintenance Yard. The contract was 24 percent complete as of November 4, 2016. Scheduled completion is late 2017.
 - **Contractor:** A.P. Construction, Inc.
 - **Contract Amount:** \$40.8 million
- **Herbertsville Maintenance Yard (Parkway Maintenance District 4):** A new 14,000-square-foot multi-use building and a 9,000-square-foot salt storage shed are being constructed.
 - **Location:** Milepost 94.3 southbound, Middle Township, Cape May County
 - **Status:** **Status:** Construction began in 2015. This improvement is being built under the same contract as the improvements at the Swainton Maintenance Yard. That contract was 80 percent complete as of November 4, 2016. Scheduled completion is late 2017.
 - **Contractor:** A.P. Construction, Inc.
 - **Contract Amount:** \$31.9 million
- **Telegraph Hill Maintenance Yard (Parkway Maintenance District 5):** A new 18,000-square-foot multi-use building is being constructed.
 - **Location:** Milepost 116, Holmdel, Monmouth County
 - **Status:** The Telegraph Hill improvements are being made under the same contract as improvements at the Clark, Clifton and Paramus maintenance yards. Construction under the contract began in 2015 and

was 43 percent complete as of November 4, 2016. Scheduled completion is 2018.

- **Contractor:** Dobco Inc.
- **Contract Amount:** \$53.9 million
- **Clark Maintenance Yard (Parkway Maintenance District 6):** Minor renovations are being made to the existing facility, and the HVAC system is being rehabilitated.
 - **Location:** Milepost 136.7, Clark, Union County
 - **Status:** The Clark Maintenance Yard improvements are being made under the same contract as improvements at the Telegraph Hill, Clifton and Paramus maintenance yards. Construction under the contract began in 2015 and was 43 percent complete as of November 4, 2016. Scheduled completion is 2018.
 - **Contractor:** Dobco Inc.
 - **Contract Amount:** \$53.9 million
- **Clifton Maintenance Yard (Parkway Maintenance District 7):** A new 14,000-square-foot multi-use building is being constructed.
 - **Location:** Milepost 156.1, Clifton, Passaic County
 - **Status:** The Clifton Maintenance Yard improvements are being made under the same contract as improvements at the Clark, Telegraph Hill, and Paramus maintenance yards. Construction under the contract began in 2015 and was 43 percent complete as of November 4, 2016. Scheduled completion is 2018.
 - **Contractor:** Dobco Inc.
 - **Contract Amount:** \$52 million
- **Paramus Maintenance Yard (Parkway Maintenance District 8):** A new 13,300-square-foot multi-use building is being constructed.
 - **Location:** Milepost 164.2, Paramus, Bergen County
 - **Status:** The Paramus Maintenance Yard improvements are being made under the same contract as improvements at the Clark, Telegraph Hill, and Clifton maintenance yards. Construction under the contract began in 2015 and was 43 percent complete as of November 4, 2016. Scheduled completion is 2018.
 - **Contractor:** Dobco Inc.
 - **Contract Amount:** \$52 million
 -

2.5.2 New Jersey State Police Facilities

Four of the six Troop D stations on the Turnpike and Parkway are being replaced, and a new motor vehicle facility is being constructed. The station facilities include control centers for trooper operations, report and briefing rooms, holding cells, and sally ports, among other features. Three of the new facilities opened in 2015: the Bloomfield and Galloway stations on the Parkway and the Moorestown Station on the Turnpike.

- **Newark Station:** A new 32,000 square-foot facility is being built at Interchange 14 on the Turnpike (milepost 104.7) and the existing facility is being converted for use by the Authority's Maintenance Department.
 - **Location:** Newark, Essex County
 - **Status:** Construction started in 2014 and was 5 percent complete as of July 31, 2015, under an initial contract with Intercontinental Construction Contracting. That contract was terminated for convenience on August 17, 2015. A new contract was awarded in September 2015. The work was 33 percent complete as of November 4, 2016. Completion is scheduled for late 2017.
 - **Contractor:** Benjamin R. Harvey Co., Inc.
 - **Contract Amount:** \$20.9 million



The new 27,000-square-foot Troop D facility in Moorestown includes a control center, briefing rooms, holding cells, locker rooms, offices, and other facilities. It opened in the spring of 2016.

3.0 Capital Improvement Program Spending by Project and Year

<u>Project Name</u>	<u>Current Budget</u>	<u>2016 Spending</u>	<u>2017 Spending</u>	<u>2018 Spending</u>
<u>Turnpike Interchange 6-g Widening</u>				
Turnpike Int 6-g Widening	2,231,399,000	22,655,000	115,139,000	-
	\$ 2,231,399,000	\$ 22,655,000	\$ 115,139,000	\$ -
<u>Bridge Construction, Preservation & Security</u>				
Bridge Painting Phase I	110,000,000	5,271,000	2,035,000	-
Deck Reconstruction Phase I	208,000,000	9,304,000	5,222,000	-
Bridge Preservation & Security	136,820,000	11,132,000	31,846,000	24,340,000.00
Deck Reconstruction Phase II	141,300,000	29,869,000	45,480,000	34,343,000.00
Bridge Painting Phase II	100,000,000	8,915,000	16,941,000	40,953,000.00
Int 16E-18E Bridge Improvement	15,147,000	-	-	-
TP Hackensack East Bridge Rehab	153,000,000	5,240,000	17,402,000	-
NBHCE Bridge Redecking	400,000,000	4,318,000	47,260,000	201,705,000.00
TP Special Bridge Structure	15,000,000	1,303,000	575,000	6,344,000.00
Parkway Bass River Bridge	79,315,000	3,232,000	-	-
Pky Mullica River Bridge	50,000,000	24,000	600,000	-
Parkway Substructure Repairs	36,000,000	1,385,000	1,632,000	-
Great Egg Harbor/Drag Channel	238,180,000	41,284,000	31,256,000	39,734,000.00
	\$ 1,682,762,000	\$ 121,277,000	\$ 200,249,000	\$ 347,419,000.00
<u>Roadway Improvements</u>				
Drainage Improvements	67,335,000	3,337,000	13,808,000	-
Imp Roadway Appurtenances	47,000,000	-	6,243,000	-
Median Barrier Improvements	50,255,000	-	2,271,000	-
Sign Replacements Phase I	146,690,000	44,459,000	8,631,000	-
Sign Replacements Phase II	124,100,000	2,501,000	-	4,826,000.00
Turnpike/Parkway So Improve	17,250,000	90,000	-	1,523,000.00
Turnpike Widening Int 16W to Int 18W	-	-	-	-
Parkway Mainline Shoulder Imp	364,153,000	15,220,000	512,000	18,702,000.00
	\$ 816,783,000	\$ 65,607,000	\$ 31,465,000	\$ 25,051,000.00
<u>Interchange Improvements</u>				
Facilities Improvements Phase II	314,080,000	66,462,000	55,854,000	-
TP Int 8A to Rte 130 Connect	14,950,000	-	8,981,000	100,000.00
TPK Int 14A Reconstruction	325,500,000	60,000,000	66,031,000	65,457,000.00
Pky I/C 41 Improvements	24,000,000	-	-	2,784,000.00
Pky I/C 142 Improvements	1,725,000	10,000	-	1,066,000.00
Parkway Int 44 Improvements	30,000,000	1,470,000	-	1,583,000.00
Parkway Int 9, 10 & 11 Improve	98,651,000	8,540,000	9,660,000	8,620,000.00
Parkway Int 125 Phase I	102,665,000	7,810,000	34,644,000	46,857,000.00
GSP I/C 88 Improvements	102,860,000	1,080,000	-	9,681,000.00
Parkway Int 91 Improvements	12,000,000	-	-	11,113,000.00
	\$ 1,026,431,000	\$ 145,372,000	\$ 175,170,000	\$ 147,261,000.00
<u>Facilities Improvements</u>				
Salt Storage Facilities	17,725,000	-	-	846,000.00
Facilities Improvements Phase I	634,900,000	193,000,000	90,000,000	130,230,000.00
	\$ 652,625,000	\$ 193,000,000	\$ 90,000,000	\$ 131,076,000.00
<u>Widening of Garden State Parkway</u>				
Parkway Widening Phase Int 63-80	135,000,000	280,000	-	8,340,000.00
Parkway Widening Phase Int 35-63	455,000,000	57,006,000	42,123,000	51,346,000.00
	\$ 590,000,000	\$ 57,286,000	\$ 42,123,000	\$ 59,686,000.00
GRAND TOTAL:	\$ 7,000,000,000	\$ 605,197,000	\$ 654,146,000	\$ 710,493,000.00

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