

**Schedule 5**  
**Authority Capital Improvement Projects**  
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**SCHEDULE 5  
AUTHORITY CAPITAL IMPROVEMENT PROJECTS**

**Section 1. Retained Capital Improvement Projects.** The Retained Capital Improvement Projects include the following:

- (a) Conversion of Juana Diaz Toll Facility to a Truck weigh and Inspection Station at PR-52, Municipality of Juana Diaz (Project number AC-520129).
- (b) ER Permanent Repair Lighting PR-52 (Km. 15 to Km 60.5) (DDIR LT-01 (Project Number AC-520139).
- (c) Hurricane Irma & Maria Recovery Efforts for Illumination System Rehabilitation PR-53 From Km. 0.0 to Km. 43.9, municipality of Fajardo to Yabucoa (Project Number AC-005390).
- (d) Pavement Rehabilitation and Safety Improvements PR-53 From Km. 86.826 to Km. 94.00, Municipality Guayama to Salinas (Project Number AC-005384).
- (e) Pavement Rehabilitation and Safety Improvements PR-53 From Km. 80.886 to Km. 86.826, Municipality of Guayama (Project Number AC-005386).
- (f) Pavement Rehabilitation and Reconstruction PR-52 from Km. 102.1 to Km. 106.0, Municipality of Ponce (Project Number AC-520146).
- (g) Pavement Rehabilitation and Reconstruction PR-52 from Km. 99.0 to Km. 102.10, Municipality of Ponce (Project Number AC-520120).
- (h) Pavement Rehabilitation and Reconstruction PR-52 from Km.38.00 to Km. 49.00, Municipality of Cayey to Municipality of Salinas (Project Number AC-520144).
- (i) Preservation of Bridges Number 2038 and 2039, Luis A. Ferré Highway PR-52 Km. 49.50, Municipality of Salinas (Project Number AC-520125).
- (j) Safety improvements to Rafael Martínez Nadal Expressway PR-20 Km. 0.0 to Km. 10.00, Municipality of Guaynabo (Project Number AC-002065).
- (k) Safety improvements to Roberto Sánchez Vilella Expressway PR-66 Km. 0.0 to Km. 20.00, Municipalities of Carolina, Canóvanas and Rio Grande (Project Number AC-006639).
- (l) DTL Noise Barrier PR-52 (Project Number AC-800510).
- (m) Maintenance of pavement and Markings PR-18 & PR-52 (Project Number AC-220062)
- (n) Emergency Work PR-52 Km. 49 Municipality of Salinas (Project Number AC-801652)
- (o) Bathroom Renovations at Caguas Sur and Salinas Toll Plazas (Project Number AC-220014)
- (p) Pavement Rehabilitation PR-52 Km 0.0 to 14.20 Southbound (Project Number AC-220059)
- (q) Bridge Deck Replacement, HH and Scour Studies for Bridges No. 1067 and No. 1068 at PR- 52, km. 98.65, Bridges No. 1069 and No. 1070 at PR-52, km. 97.90 (Project Number AC-220037)
- (r) Pavement Rehabilitation PR-52 Km 0.0 to 14.20 Northbound (Project Number AC-230061)

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- (s) Safety Improvements PR-52 km. 0.0 to 108.6 & PR-53 km. 7.0 to 51.7 (PR ST ER PRMNT RPR(5))
- (t) Emergency Repair PR-53 Km 14.7 Municipality of Naguabo (Project AC-805647)
- (u) TMC Sun Guide Segregation Project.
- (v) DTL PR-177 New Entrance Project (the implementation of the tolling equipment and systems is excluded from this Retained Capital Improvement Project).

**Section 2. ORT Improvement Project.** The ORT Improvement Project consists of the supply of the complete ORT, including analysis, design, procurement, civil works, development, installation, configuration, deployment, testing, training, and documentation of the “ORT System” composed by the roadside system, transactional back-office system, reporting system and the maintenance online management system.

The ORT System will be composed by twenty-five (25) toll points:

- Toll points (TP): PR-20 Guaynabo Sur (2 TP), PR-52 Caguas Norte (2 TP), PR-52 Caguas Sur (1 TP), PR-52 Plaza Ponce (1 TP), PR-52 Salinas (1 TP), PR-53 Guayama Este (1 TP), PR-53 Guayama Oeste (1 TP), PR-66 Carolina Este (1 TP), PR-66 Carolina Oeste (1 TP), PR-52 Montehiedra (1 TP), PR-52 Rampa Salinas (1 TP), PR-52 Juana Diaz North ORT (1 TP), PR-52 Juana Diaz South ORT (1 TP), PR-53 Humacao Sur (2 TP), PR-53 Humacao Norte (1 TP), PR-53 Ceiba (2 TP), PR-53 Hucar (1 TP), PR-66 Rampa Carolina (2 TP), and PR-66 Rio Grande (2 TP).
- Anticipated Substantial Completion date: August 31, 2025

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Each toll point (TP) is composed by one physical gantry covering both directions of traffic flow at PR-52 Ponce Plaza and PR-52 Rampa Salinas or one direction of traffic flow at the rest of the toll points. This configuration could change during the ORT Improvement Project according to technical issues, however the final configuration of the toll points will provide all physical gantries needed to capture same traffic flow.

The Authority, as part of the ORT Improvement Project, is converting the existing PR-20 channelized toll plaza (northbound direction tolling) to bi-directional open road tolling. The project, currently in the construction phase and being constructed pursuant to the ORT Improvement Project Contract, was anticipated to include the relocation of a tolling point (described further below) approximately 540 meters south from the current toll plaza location and the installation of two new gantries in connection with such relocation. The ORT Improvement Project Contract has been or will be amended to make several modifications with respect to this component of the project, including in particular the relocation of the open road tolling gantry in the southbound direction approximately 340 meters north from the originally-anticipated relocation point and modifying the access from David Urbina Avenue to PR-20 southbound by replacing the existing diamond ramp on the southwest quadrant of the interchange with a new loop ramp to be constructed at the northwest quadrant. The

anticipated modifications also include the construction of a concrete traffic island (potentially using concrete barriers) between off- and on-ramps on PR-20 southbound exiting towards David Urbina Avenue. (The Authority does not anticipate that the northbound open road tolling gantry location will be further modified as part of the amendments to the ORT Improvement Project Contract.) Additionally, separate from the work being conducted pursuant to the ORT Improvement Project, the Authority will, with respect to this project, (i) install (or, if applicable, use Reasonable Efforts to coordinate with the Municipality of Guaynabo in order to install) speed tables on David Urbina Avenue and associated regulatory signage (including signage prohibiting illegal u-turns, where appropriate); (ii) impose (or, if applicable, use Reasonable Efforts to coordinate with the Municipality of Guaynabo in order to impose) appropriate speed limit(s) for the new loop ramp and adjacent road access point(s); (iii) construct and implement the above-described improvements in a manner that complies with existing agreements between the Federal Highway Administration and the Authority pertaining to PR-20; and (iv) ensure the existing access diamond ramp is closed, demolished or otherwise rendered unusable for vehicular traffic concurrently with the opening of the new gantries and the new loop ramp. The actions and project changes described in this paragraph are collectively referred to as the “ORT Change”.

**Section 3. Canopy Demolition Project.** The Canopy Demolition Project consists of demolition of existing toll plazas, booths, and gantries, road realignment and all related infrastructure work, following commencement of operation of the ORT System.

The Canopy Demolition Project includes the following toll plazas:

- PR-20 Guaynabo Sur, PR-52 Caguas Norte, PR-52 Caguas Sur, PR-52 Plaza Ponce, PR-52 Salinas, PR-53 Guayama Este, PR-53 Guayama Oeste, PR-66 Carolina Este, PR-66 Carolina Oeste, PR-52 Montehiedra, PR-52 Rampa Salinas, PR-52 Juana Diaz North ORT, PR-52 Juana Diaz South ORT, PR-53 Humacao Sur, PR-53 Humacao Norte, PR-53 Ceiba, PR-53 Hucar, PR-66 Rampa Carolina and PR-66 Rio Grande.
  
- Anticipated Substantial Completion date: August 31, 2030.