



GOVERNMENT OF PUERTO RICO
PORTS AUTHORITY

BURNS & MCDONNELL

Aggregate Industry Outreach for Reconstruction of Runway 8-26

Rafael Hernández Airport (BQN), Aguadilla, Puerto Rico

Agenda

- ▶ **Introductions – (Please enter information in chat box)**
- ▶ **Project Scope and Layout**
- ▶ **Project Status**
 - ▶ **Procurement Schedule**
- ▶ **Aggregate materials identified that may be in short supply**
- ▶ **Material Standards**
- ▶ **Approximate Quantity of Materials**
- ▶ **Discussion and questions**

Enter Questions in the Chat box

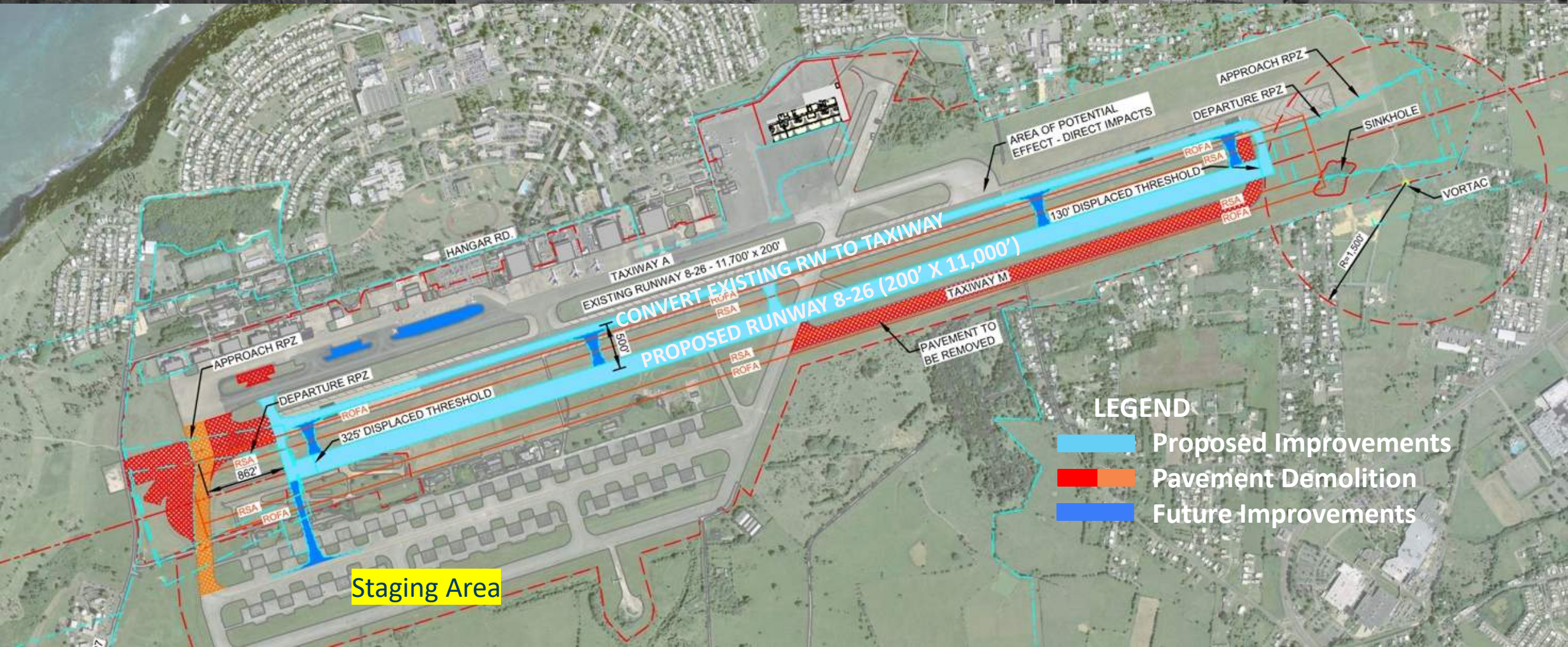
Project Scope & Layout



Existing Airfield Layout



Proposed Airfield Layout



LEGEND

- Proposed Improvements
- Pavement Demolition
- Future Improvements

Project Status



Procurement Schedule

▶ Two Step Process

- ▶ RFQ - Minimum Qualifications: COMPLETED!
ACCIONA/CSA, AECON/Stantec, BQNAP-Del Valle Group/CH Caribe,
BQNAP-Ferrovial/AECOM
- ▶ RFP – Proposal & Pricing
 - ▶ Issue RFP: Soon
 - ▶ Proponent proposal: 10 weeks after issue RFP
 - ▶ Execute contract: 8 additional weeks

Construction Materials Standards



▶ Aggregate materials in short supply

- P-209 Crushed Aggregate Base
 - Manufacturing and supply as per required gradation

▶ Other Materials

- P-501 Cement Concrete Pavement
 - Cement
 - Fly Ash
 - Sand
- P-401/403 Asphalt Mix Pavement & Base
 - Asphalt Binder - Performance Grade (PG) 76-22
 - Aggregates

Construction Materials (cont.)

▶ FAA Specifications will be required

- P-501 Cement Concrete Pavement
- P-401 Asphalt Mix Pavement
- P-403 Asphalt Mix Pavement (Base)
- P-304 Cement Treated Aggregate Base Course (CTB)
- P-306 Lean Concrete
- P-307 Cement Treated Permeable Base Course (CTPB)
- P-209 Crushed Aggregate Base
- P-219 Recycled Concrete Aggregate Base Course
- P-152 Excavation, Subgrade, and Embankment
- P-154 Subbase Course

Quantity of Materials

All material quantities included area approximately,
detailed quantities shall be developed by the awarded proponent

FAA Specifications	Materials	Quantity	Unit	Requisite
P-501	Cement Concrete Pavement	>80,000	Cubic Yards	650-700 psi Flexural Strength
P-401/403	Asphalt Mix Pavement (Surface / Base)	>56,000	Tons	Asphalt binder (PG) 76-22
P-209	Crushed Aggregate Base	>40,000	Cubic Yards	<ul style="list-style-type: none">• Gradation• 100% field density
P-154	Subbase Course	>30,000	Cubic Yards	<ul style="list-style-type: none">• Gradation• 100% field density

Discussion and Questions

An aerial photograph of an airport and surrounding city, overlaid with a semi-transparent blue filter. The airport's runways and taxiways are clearly visible in the center and right. To the left, a dense urban area with residential and commercial buildings is visible. The sky is filled with soft, white clouds. The overall color palette is dominated by the blue overlay, with some natural colors of the landscape and buildings peeking through.