



# TAXIWAY "A" SYSTEM REHABILITATION NORTH AND EAST-WEST EXPANSION

- Piarco International Airport



## PROJECT DESCRIPTION...

A \$60 million improvement project for Piarco International Airport which included roadways, taxiways, aprons and ramps. Improvements consisted of removal and replacement of defective materials, pavement milling, reconstruction of shoulders and rehabilitation of taxiway lighting and signing systems, concrete encased electrical duct banks and new pavement markings.



The full Alpha Taxiway System Rehabilitation utilized approximately 50,000-tons of asphaltic concrete for the repaving of Taxiways "A", "A1", "A2", "A3", "O" and "Z" plus a connection to Runway 10-28 and three (3) separate concrete parking aprons.

The East and West expansion included demolition of the existing bituminous apron shoulder, excavation of proposed apron pavement areas, placement of 8,000-cubic meters of bituminous concrete and Portland cement concrete pavements, the installation of apron edge ledge lighting and pavement markings.

## SCOPE OF WORK...

The Robert B. Balter Company personnel provided full supervisory materials QA services and Quality Assurance Inspection with NICET and ERLPM-certified technicians. Supervisory participation included attending numerous progress meetings, site visits that included laboratory and equipment inspection, asphalt plant inspection, concrete plant inspection and test pit observations in problem soil areas, review services for submittals, QA daily reports as well as QA and QC reports of asphalt and concrete test results data. QA Inspection and Acceptance Testing was done in accordance with approved project specifications P-152, P-209, P-401 and P-501.



## ADDED VALUE...

Asphalt work consisted of P-401 Acceptance Testing including random sampling, oversight of contractor QC efforts, documentation and computer-generated statistical detail.

Concrete and soils QA were provided for roadway and apron sections designed for high capacity loading and included P-152 Excavation and Embankment and P-209 Crushed Aggregate Base Course.



*An apron project was added to this assignment to accommodate Air Force One during the 2009 Conference of the American Presidents. Balter provided the QA for earthwork, foundations, asphalt and concrete per specifications.*



**THE ROBERT B. BALTER COMPANY**

Geotechnical and Geo-environmental Engineers  
Construction Materials Testing and Inspection