



# METROPOLITAN WASHINGTON AIRPORT AUTHORITY (MWA)

The Robert B. Balter Company (Balter) has an extensive and continuously active involvement with the expansion of Washington Dulles International Airport (IAD) and Ronald Reagan Washington National Airport (DCA) and. Through multiple contracts, Balter has provided geotechnical engineering and construction inspection and materials testing services for MWA since the Authority's formation some 25-years ago for every type improvement serving these facilities. Many of these contracts include:



## **RESIDENT ENGINEERING, CONSTRUCTION MANAGEMENT & QA/QC SERVICES (CONTINUOUS CONTRACTS FROM 1985 – 2010)**

Balter participated on four (4) continuous PM/CM contracts providing Consulting Engineering, Resident Engineering, Special Inspections (SI), Quality Assurance Testing, Acceptance Testing, Quality Control, Civil Inspections and Materials Testing Services for the Metropolitan Washington Airports Authority's Airport Improvement Programs at Ronald Reagan Washington National Airport (DCA) and Washington Dulles International Airport (IAD).

Balter operates a 4,400 SF Materials Testing Laboratory and Inspection Office on site at IAD that supported the Special Inspections and QA/QC representation of MWA. This accredited facility conforms to the requirements of ASTM D3740 (Soils), ASTM C1077 (Concrete), ASTM D3666 (Asphalt), ASTM E-329 (Agency), AASHTO R-18, and is inspected by AMRL and CCRL.

The comprehensive engineering, SI, QA/QC and materials laboratory testing services associated with this contract included the placement and use of construction materials related to horizontal, vertical, and underground construction; primarily related to earthwork, pavements (asphalt and concrete), foundations, reinforcing steel, concrete, masonry, infrastructure reinforcing and structural steel utilized in the construction of runways, taxiways, tunnels and the airport traffic control tower; AeroTrain (subway); maintenance and safety/operations facilities (ARRF); infrastructure including (VDOT) roadways and bridges, fuel tank farms; fire systems; parking garages and surface parking.

Engineering services were provided for the review of specifications concerning concrete, asphalt, cement-treated aggregates and other construction materials; foundation shop drawings; sheeting and shoring shop drawings and assisting with the compilation of as-built drawings and specifications cognizant of FAA standards.

Under this contract, Balter has been involved in over 100 projects at DCA and IAD with construction costs exceeding \$6.5 billion. Balter also offers among the highest accredited materials laboratories and Inspection and Testing Agency credentials in the Country, and provides all subsurface explorations and associated geotechnical engineering support disciplines in-house.



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Some of the projects this current term include exceptionally notable Special Inspections and QA assignments for:

- Runway 15-33 Overlay & Taxiways Rehabilitation (DCA)
- New Apron at Demolished ARFF Site (DCA)
- AeroTrain Tunnels and Station (IAD)
- Air Traffic Control Tower (IAD)
- International Arrivals Building (IAD)
- Fourth Runway 1L-19R and Associated Taxiways (IAD)
- Modifications for Airbus A380 – Gates B20/22 (IAD)
- Runway 1C-19C Rehabilitation (IAD)
- Tier 2/Concourse C APM Station (IAD)
- EDS In-Line High Volume Baggage Screening Facility (IAD)
- ARFF Facility (IAD & DCA)
- Cargo Building 6, Apron Phase II (IAD)
- Shop-1 Annex Relocation (IAD)
- NOAA Relocation (IAD)
- Main Terminal Expansion (IAD)
- Parking Facilities, Garages A & B/C (DCA)
- Police Station Expansion (IAD)

**ARCHITECTURAL/ENGINEERING DESIGN SERVICES FOR CAPITAL OPERATING MAINTENANCE AND INVESTMENT PROGRAM (COMIP) AT RONALD REAGAN WASHINGTON NATIONAL AIRPORT AND WASHINGTON DULLES INTERNATIONAL AIRPORT  
(CONTRACT 1-11-C096)**



- Geotechnical Engineering Services

**CONSTRUCTION MANAGEMENT AND ENGINEERING SERVICES TO THE MWAA FOR THE DULLES TOLL ROADS  
(CONTRACT 7-11-C017)**

- Materials QA Construction Inspection & Testing

**ARCHITECTURAL/ENGINEERING DESIGN SERVICES FOR CAPITAL OPERATING MAINTENANCE AND INVESTMENT PROGRAM (COMIP) AT RONALD REAGAN WASHINGTON NATIONAL AIRPORT AND WASHINGTON DULLES INTERNATIONAL AIRPORT  
(CONTRACT 1-11-C113)**

- Geotechnical Engineering Services

**ARCHITECTURAL/ENGINEERING DESIGN SERVICES FOR TERMINAL A IMPROVEMENTS (NEAR TERM) AT RONALD REAGAN WASHINGTON NATIONAL AIRPORT  
(CONTRACT 1-11-C132)**

- Geotechnical Engineering Services

**CIVIL ENGINEERING TASK ORDER DESIGN SERVICES AT WASHINGTON DULLES INTERNATIONAL AIRPORT AND RONALD REAGAN WASHINGTON NATIONAL AIRPORT,  
(CONTRACT 1-11-C076)**

- Geotechnical Engineering Services



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# METROPOLITAN WASHINGTON AIRPORT AUTHORITY (MWAA)

## **THE DULLES CORRIDOR METRORAIL PROJECT, PHASE 2 (CONTRACT 08-09-C009)**

- Geotechnical Engineering Services

## **THE DULLES CORRIDOR METRORAIL PROJECT, PHASE 2 CONTRACT 08-09-C009**

- Geotechnical Services

## **A-E SERVICES, DULLES TOLL ROADS CONTRACT 7-09-C023**

- Geotechnical Engineering Services

## **PEOPLE MOVER TUNNEL SYSTEMS AND MAINTENANCE FACILITY (AEROTRAIN) 1-00-C065**

- Geotechnical Engineering Services

## **DEDICATED FIRE SYSTEM (DFS) CONTRACT 1-02-C053**

- Geotechnical Engineering Services
- Pavement Condition Survey

## **A-E DESIGN SERVICES FOR CAPITAL OPERATING, MAINTENANCE AND INVESTIGATIONS (COMIP) CONTRACT 1-05-C083**

- Box Culvert, Vortac Road over Cub Run
- Dulles International Airport and Vault 1 Runway 1R Crossing
- Shops 2 Fuel Station Upgrades
- Mobile Lounge Road Replacement
- Hourly Parking Lot Administration Building
- Reagan-National Water Line Tunnel Phase

## **RUNWAY 1-19 OVERLAY AND TAXIWAYS REHABILITATION, NATIONAL AIRPORT CONTRACT 1-11-C052**

- Quality Control Materials Inspection and Testing

## **ARCHITECTURAL/ENGINEERING SERVICES CONTRACT 1-02-C106**

- Upgrade of Cargo 6/ Hawthorne Road, IAD
- Relocation of Airfield Electrical Vaults, IAD
- Cub Run Stream Crossing, IAD
- Garage A Entrance Ramp, DCA
- DCA Runway Safety Area

## **ARCHITECTURAL/ENGINEERING SERVICES CONTRACT 1-02-C066**

- No Assignments

## **ARCHITECTURAL/ENGINEERING SERVICES CONTRACT 1-02-C064**

- Fuel Settling Tank Farm
- MWAA Standby
- Generation Plant



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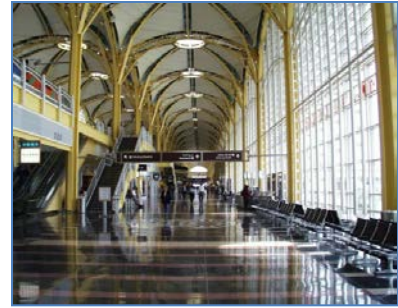
# METROPOLITAN WASHINGTON AIRPORT AUTHORITY (MWAA)

## ARCHITECTURAL/ENGINEERING SERVICES CONTRACT 1-99- C120

- DCA Quick Turnaround Car Rental Facility

## ARCHITECTURAL/ENGINEERING SERVICES CONTRACT 1-99- C119

- Live Fire Training Facility
- Rehabilitate Mobile Lounge Road/Apron FY01, IAD
- 800 MHz Radio System Improvements  
Geotechnical Evaluation
- Runway 12/30 Repairs, IAD



## A-E SERVICES, NORTH AREA ROADS CONTRACT 1-99-C117

- North Area Road Improvements - South Section Phase II
- North Area Roads, North Section Phase III
- North Area Roads, South Section Phase 5
- North Area Roads, Task 1
- North Area Roads, Task 2
- North Area Roads, Task 4, South Section
- Main Bowl Exit Plaza Extension
- Overhead and Cantilever Signs



## ARCHITECTURAL/ENGINEERING SERVICES CONTRACT 1-96- C114

- Access Road and Flight Line Road
- Runway 30 Hold Apron Expansion and Bypass Taxiway Y8
- Taxiway Y Reconstruction/Rehabilitation Project
- Taxiway Y-Z Connector and Taxiway Y7 Fillet Enlargement



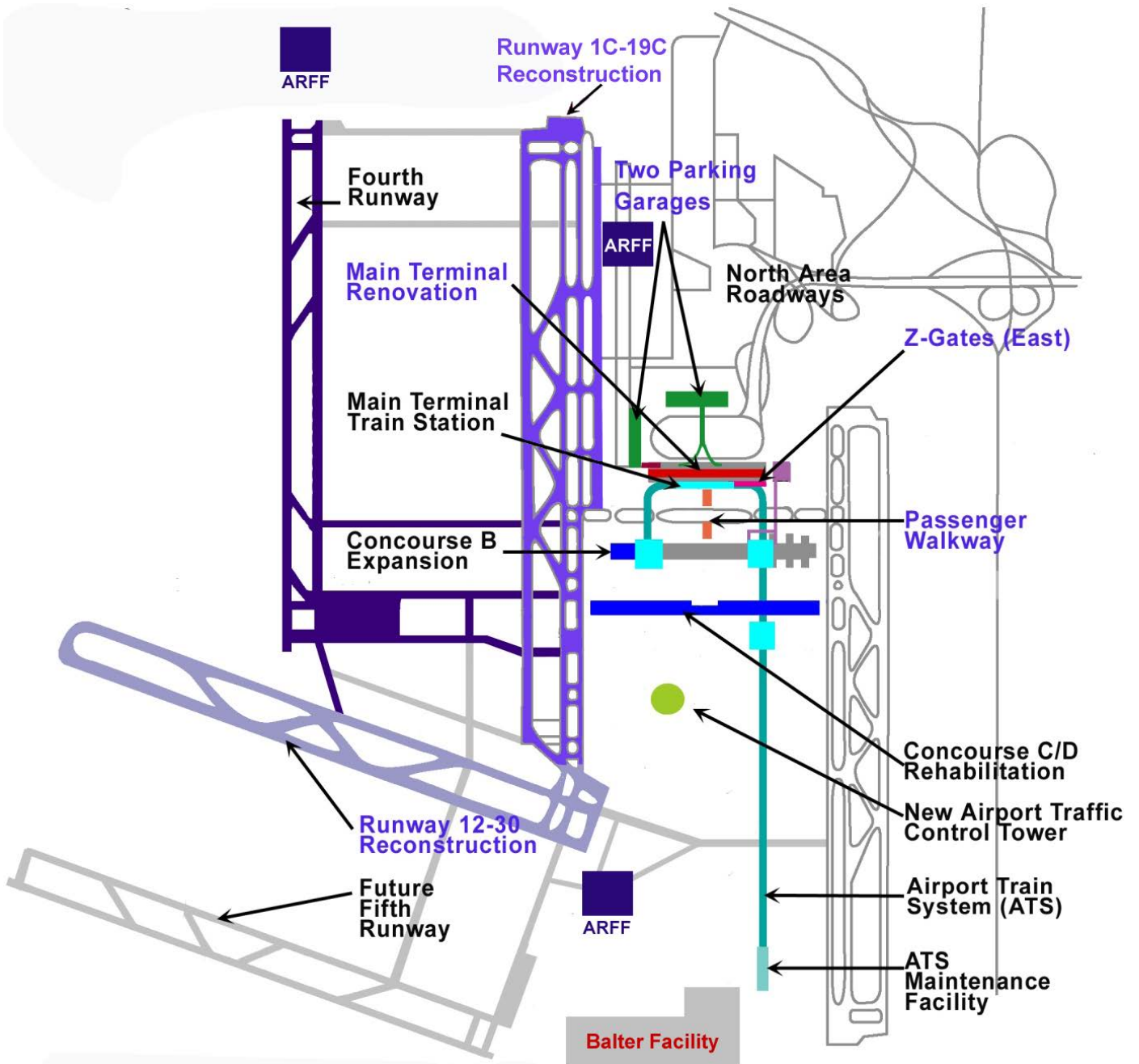
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# METROPOLITAN WASHINGTON AIRPORT AUTHORITY (MWAA)

## WASHINGTON-DULLES INTERNATIONAL AIRPORT



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