

REPORT TO THE STRATEGIC PLANNING AND DEVELOPMENT COMMITTEE

Aviation Capital Construction Program Update 2013 Active Construction Projects

December 2013

Discussion Agenda

- Program Safety Performance
- 2013 Construction Projects Update

DCA

IAD

Capital Construction Program Safety Performance

2013 TO DATE*

Labor Hours Worked	=	761,317
Recordable Incident Rate (RIR)	=	2.36
National Avg. RIR for Industry	=	3.5
Lost Time Incident Rate (LTIR)	=	0.05
National Average LTIR	=	2.0

* Estimated through November 22, 2013

DCA

Active Major Construction Projects

Terminal A Rehabilitation Outbound Baggage Facility

- Scope consisted of designing and erecting a pre-engineered building and installing new baggage conveyors and devices to support outbound baggage requirements at Terminal A.
- The Outbound Baggage Building and Baggage handling system installation are complete.
- System completed and operational November 18, 2013.



This 3D architectural rendering illustrates a proposed expansion of an airport facility. The main structure is a large, grey, multi-winged building labeled 'Existing Terminal A'. To its left is a large, grey, rectangular structure labeled 'Existing Hangar'. A new, yellow, rectangular building, labeled 'Outbound Baggage Facility', is situated between the hangar and the terminal. An orange conveyor system is shown running from the baggage facility, through the hangar, and along the side of the terminal. The rendering includes various details such as parking lots, roads, and smaller buildings. The text labels are in a bold, black, sans-serif font.

**Existing
Terminal A**

**Existing
Hangar**

**Outbound
Baggage Facility**





Terminal A Rehabilitation Curbside Check-in System

- Scope consisted of installing a new curbside baggage conveyance system which integrates into the TSA screening area behind the existing ticket counters at Terminal A. TSA inspected checked bags are then inserted into new Outbound Baggage System.
- System completed and operational November 18, 2013.

Frontier

Southwest

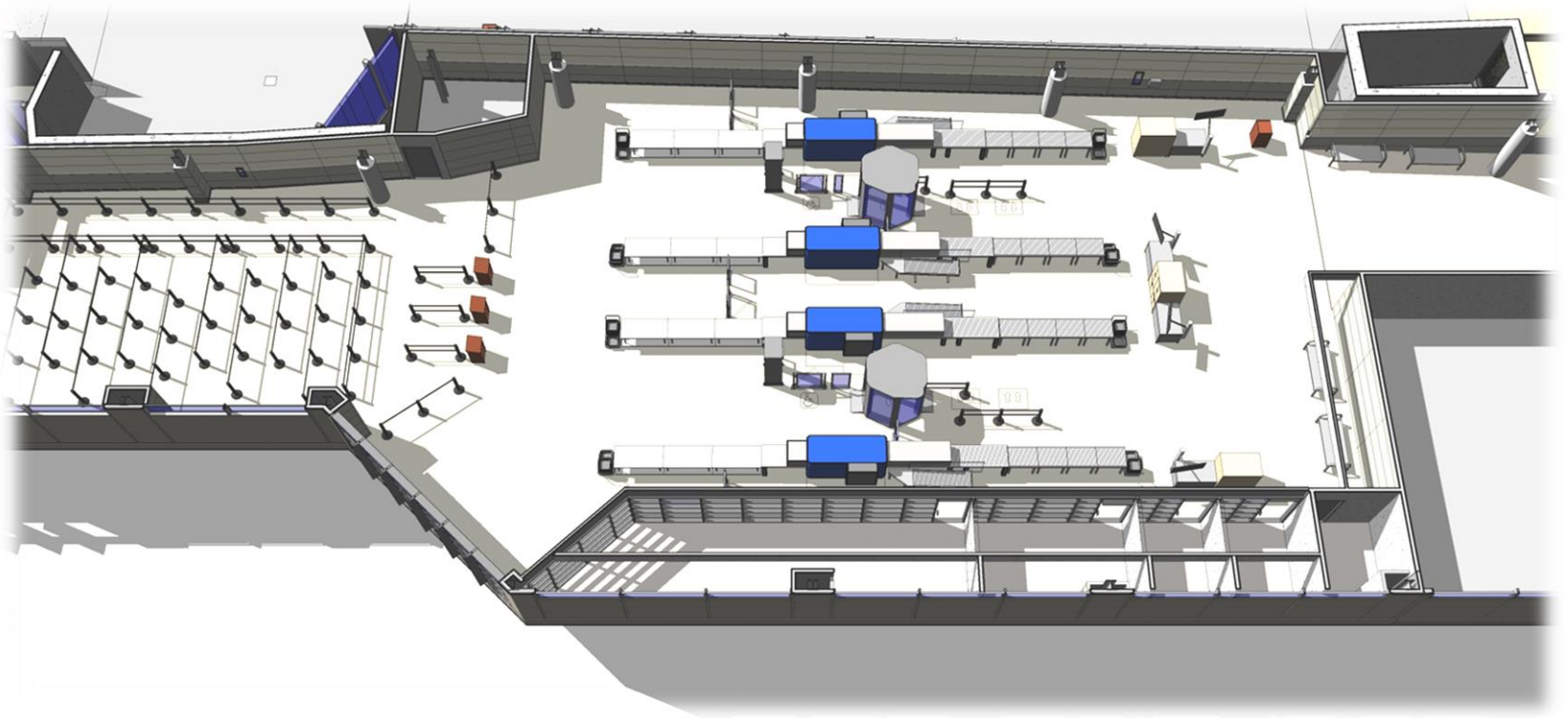
11.27.2013



11.18.2013

Terminal A Rehabilitation Security Screening Checkpoint Expansion

- Scope consists of constructing a new building addition to the Terminal A gate corridor to accommodate a new, larger TSA passenger security screening checkpoint.
- Contract includes additional concession space and improved egress for arriving passengers.
- Contractor has completed structural steel erection and is performing exterior framing, mechanical rough-ins, and masonry work.
- Completion is forecast for February 2014.





Terminal A Rehabilitation Lobby Upgrades / Finishes

- Scope included upgrading the main lobby wall and replacing the lobby floor, lighting improvements, new north glass window walls and new ticket counters.
- Construction included skylight modifications and installation of new lobby wall coverings.
- Construction completion was October 17, 2013.
- Old outbound baggage ticket counter area to be completed in 2014.



AirTran
Southwest

AirTran
Southwest

AirTran
Southwest

AirTran
Southwest

AirTran
Southwest

Air Canada

Air Canada

SOUTHWEST

AirTran

AIR CANADA

POWER

11.14.2013

Runways 4-22 and 15-33 Runway Safety Area Improvements Earthwork Package

- Project scope is the construction of an earthwork embankment in the Potomac River to support the construction of runway safety areas for Runway 15-33.
- Construction of the toe-berm, sand bed, wick drain are complete. Rock placement is underway.
- Completion is forecast for December 2014.

Runways 4-22 and 15-33 Runway Safety Area Enhancements General Package

- Project scope is the construction of Runway Safety Areas for Runways 15-33 and 4-22 to ensure compliance with FAA standards.
- Project includes three Engineered Material Arresting Systems (EMAS), runway and taxiway modifications, NAVAIDS, and airfield signage systems.
- EMAS contract in place.
- The contractor is constructing Phase 1 drainage, utility, and Levee Road improvements.
- Completion is forecast for January 2016.



Runway 15-33

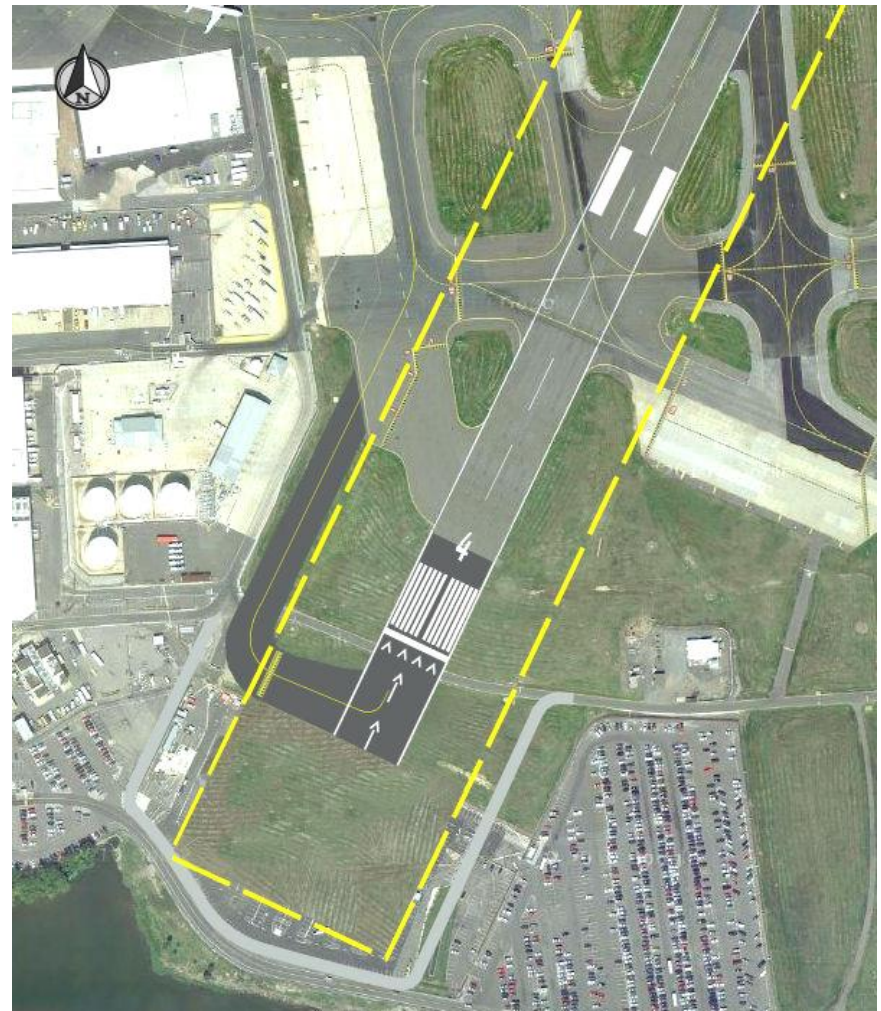
Runway Safety Area Enhancements





Runway 4-22

Runway Safety Area Enhancements



IAD

Active Major Construction Projects

EDS In-line Baggage Screening East & West Bag Basements

- Scope includes implementation of a baggage handling and TSA checked baggage inspection systems in the existing Main Terminal East and West baggage basements to provide security screening enhancement of checked bags.
- East Bag Basement concrete construction is complete and waterproofing underway. Construction on the baggage handling system (BHS) and control room work is underway.
- West Bag Basement BHS obstruction re-routing and demolition underway, along with substation construction.
- Completion is forecast for September 2015.



Main Terminal Commissioning Phase 2 IAB Mechanical Systems Renovation

- Scope consists of replacement and refurbishment of the original Heating, Ventilation and Air Conditioning (HVAC) systems of the original International Arrivals Building.
- The long-lead HVAC units have been fabricated and delivered to the site.
- The contractor has completed installation of air-handling units and they are scheduled for December training start-up.
- Completion is forecast for mid-January 2014.



*Existing Air
Handling Unit*

Taxilane Z1 Widening and Utilities for UAL Maintenance Hangar

- Work for this project is being performed in coordination with United Airlines' construction of maintenance hangar at Dulles International.
- The project scope consists of widening Taxilane Z1 to Group V Aircraft standards and extending utilities to the United Hangar site.
- The contractor has completed all work, with the exception of final grading and seeding scheduled for the Spring 2014.
- Authority construction completed on September 20, 2013.
- UAL Hangar was commissioned on November 21, 2013.





Airfield Pavement Panel Replacement Taxiway Y Reconstruction at Taxiway B

- Airfield Pavement Panel Replacement is the on-going program to maintain overall airfield pavement.
- This project scope consists of replacing deteriorated pavement on Taxiway Y at Taxiway B, to include modifications to utilities, and lighting / signage infrastructure.
- Phases 1 & 2 paving are complete and Taxiway Y has reopened. Phases 3 & 4 (Taxiway B and A portions) will begin following the winter shutdown.
- Contract's Substantial Completion is August 2014.



High Temperature Hot Water Generator Replacement

- Project scope replaces three High Temperature Hot Water Generators (HTHW) with two new high efficiency Generators.
- The contractor has installed the newly delivered generators and continues with the installation of HTHW piping, electrical and control systems.
- Start-up and testing of the new generators is scheduled for late December 2013.
- Completion is forecast for February 2014.



H-TEMP HOT WATER RETURN

CHILLED WATER RETURN

CHILLED WATER RETURN

CHILLED WATER RETURN

CAUTION
Keep safety clear

CAUTION





DSC00622.jpg

METROPOLITAN WASHINGTON AIRPORTS AUTHORITY



Historic ATCT Exterior Preservation

- Project scope rehabilitates and preserves the exterior of the historic air traffic control tower. Work includes rehabilitating the metal cladding and standing-seam roof, new window gaskets, relocating communication and security equipment, concrete cleaning and restoration.
- The contractor completed scaffolding installation and has begun asbestos abatement and HVAC removal.
- Completion is forecast for July 2014.



