

CASE STUDY

INTERNATIONAL
DISPLAY SYSTEMS, INC.



Overview

In June of 2020, M.C. Dean, Inc. awarded International Display Systems, Inc. (IDS) a contract to furnish and integrate a new Public Information System for the Ronald Reagan Washington National Airport – New North Concourse providing fourteen (14) new Gates 46-59 serving American Airlines at DCA. The New North Concourse was inaugurated on April 20, 2021.

This new work entailed the design, provision, and integration of five (5) custom single-sided and double-sided tube steel frames which supported six (6) large format 86" Wayfinding Displays and eighteen (18) 55" Flight Information Displays and their associated mounts and controllers. "The opening of the new concourse...deliver[s] a world-class passenger experience at Washington, D.C.'s airports," said John E. Potter, President and Chief Executive Officer of the Airports' Authority.

The New North Concourse was designed to provide travelers with convenient "one-stop" access to all FIDS and Wayfinding information.

// The airport's \$1 billion investment to transform the traveler experience inside the terminals at the gates and along the roadways will bring a new era of travel to American Airlines' customers... //

-JOHN E. POTTER, CEO of DCA'S AIRPORT AUTHORITY



5

FORMS & SURFACES
CUSTOM SS & DS TUBE
STEEL FRAMES

6

SAMSUNG QM85N - 86"
ULTRA HIGH DEF WAYFINDING
LCD DISPLAYS WITH TSITOUCH
BEZEL OVERLAYS

18

SAMSUNG QH55R - 55"
FULL HIGH DEF FLIGHT
INFORMATION LCD DISPLAYS





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Reagan National Airport



System Highlights:

- Professional Design and Engineering Services
- Project Planning, Scheduling, Construction Management and Maintenance Services
- Turn-Key Integration of the Customized MWAA Digital Signage System & Network



Ideas

Challenge - The challenge was to design & integrate custom tube steel frames that would provide ready access to both Large Format 85-Inch Wayfinding Displays, mounted at eye-level, and tilted overhead 55-Inch Flight Information Displays in both single-sided and double-sided formats. [Working with MWAA](#), Turner Construction, and M.C. Dean, Inc., IDS detailed-designed the integration of the new 85-inch large format UHD LCD Displays, 55-inch FHD Displays, Display Mounts, Processors, and Network Infrastructure. IDS CAD the design details and built the mock-ups and final assemblies for a Turn-Key Integration with M.C. Dean, Inc.

Performance

Smart Design / Smart Performance - When you sufficiently design and plan for the new work, the end results speak for themselves. The new Dynamic Wayfinding Maps System, supported by the MWAA Labs Content Management System, engages the traveling public with uniquely oriented maps with local services, vendors, and amenities for each kiosk location. The Wayfinding Displays are complemented by the overhead Flight Information Displays. The result – people are finding their way.

Dependability

Building Success - “When our airport peers remark on what we’ve achieved at MWAA, I reflect on how it boils down to the key elements upon which all IT successes are built: The people, the processes and the technology,” Goutam Kundu, CIO/MWAA.



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