

CASE STUDY

INTERNATIONAL
DISPLAY SYSTEMS, INC.



Overview

In December 2015, International Display Systems, Inc. was selected by the Indianapolis Public Transportation Corporation (IPTC) and Weddle-Brothers Building Group (WBBG) to provide a Turn-Key ADA-Compliant Real-Time Passenger Information System (RTPIS) for the new Julia M. Carson Transit Center – IndyGo. The Transit Center became the new central transfer point for all IndyGo routes driving through downtown Indianapolis and serving Marion County.

In addition to the presentation of audio-visual bus information, service alerts, and messaging throughout the station and bus bays, the new Real Time Passenger Information System (RTPIS) also included GTFS Bus Schedule and Live Data Updates, an RFID Bug Tag Reader Interface for Automated Bus Arrival/Departure Updates, and a Fire Alarm Interface for automated Emergency Messaging.



Julia M. Carson Transit Center

19 DOUBLE-SIDED BUS BAY LED SIGNS

19 BUS BAY TEXT-TO-SPEECH AUDIO ANNUNCIATOR BOXES

4 INTERACTIVE BUS INFORMATION DISPLAY KIOSKS

7 BUS INFORMATION DISPLAYS WITH INTEGRATED SERVICE ALERTS, MAPS, & WAYFINDING



Every world-class city that exists has a robust transit system, and for us, this is one of the first steps in that process of getting there.

-JEROME HORNE, INDYGO'S COMMUNITY
ENGAGEMENT COORDINATOR





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System Highlights:

- Real-Time Audio-Visual Bus Status Announcements & Service Alerts via Bus Bay LED Signs, Text-to-Speech Annunciators, and Interactive Wayfinding Kiosks
- GTFS Schedule & Live Data Interface for Automated Bus Departure Updates
- RFID Bus Tag Reader Interface for Automated Bus Departure Updates
- Fire Alarm System Interface for Automated Emergency Visual Messages
- API Webservices Interface for Consistent Bus Information both In-The-Station and Online.



Ideas

Take just one look at the futuristic design of the Julia M. Carson Transit Center and one understands the vision that the IPTC had for Indianapolis. “We didn’t build a new building and add a nice bus stop,” [said](#) Lauren Day, IndyGo’s Communications Manager, “We built a transit center for current riders, new riders and to signify where we need to be as a city and where we want to go with public transportation.”

IDS brought our knowledge of integrated ADA-Compliant & Passenger Information Display Systems and helped IndyGO with their vision for the future, including the merging of GTFS Schedule and Live Data with RFID Bus Tag Readers, for synchronized accurate data at the station and online. Passengers can see and hear their next bus information in the station and at every bus bay. Further, IDS provided Interactive Touch Screens to further assist travelers with Bus Schedules, Maps, Routes, and Service Alerts. The end results: performance and dependability.

Performance

“The signs here show you where to go. It is more efficient,” [says](#) Christine Stacey, 50, bus rider.

Dependability

“It’s nice to be able to sit here and know exactly when your bus will leave,” [said](#) Jerry Stidham, 65, a Vietnam veteran on his way to the Roudebush VA Medical Center on West 10th Street.



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