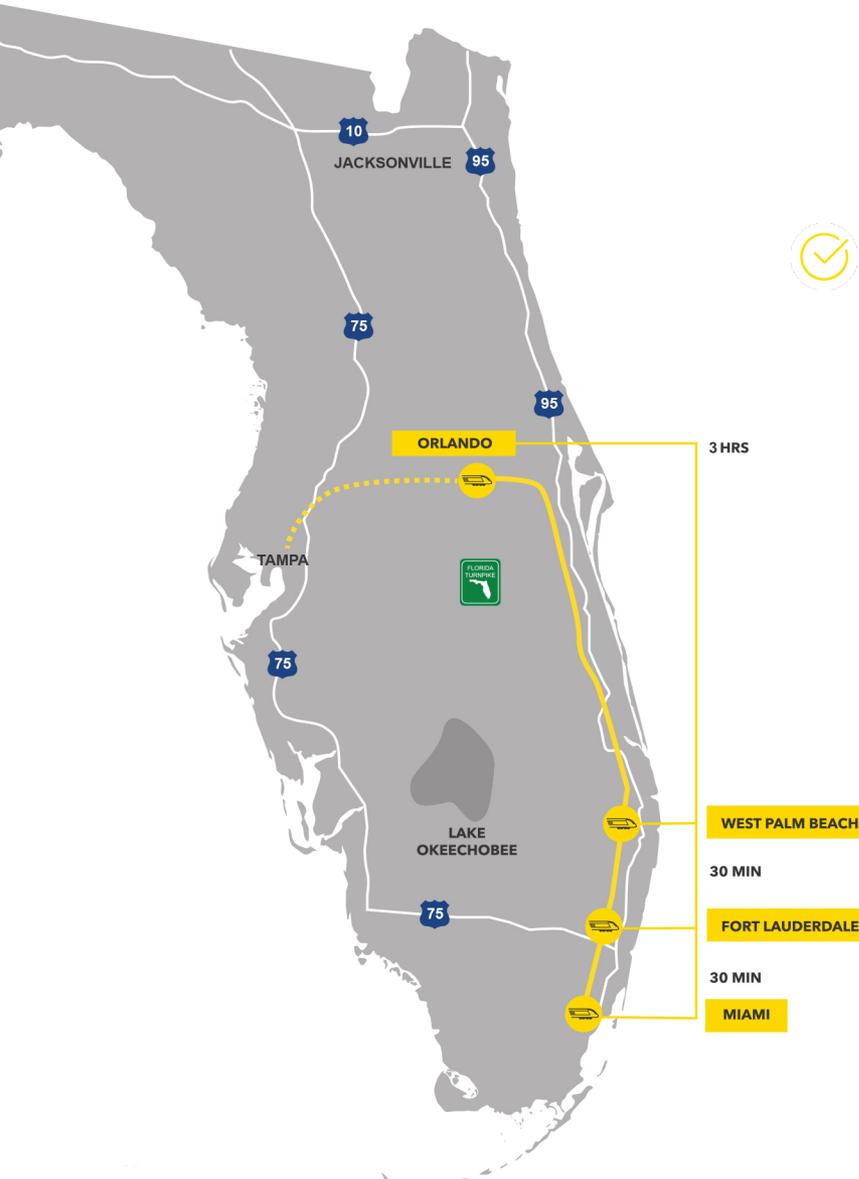


brightline[®]

RAIL PASSENGERS ASSOCIATION
PATRICK GODDARD, PRESIDENT
OCTOBER 20, 2018



THE ONLY PRIVATELY OWNED, OPERATED AND MAINTAINED EXPRESS INTER-CITY TRAIN SERVICE IN THE UNITED STATES



 **Removing 3 million** vehicles from roads each year

 **Reducing** congestion, greenhouse emissions and fuel consumption

SIEMENS

Trainsets **100% Made in America** by Siemens and 40 other suppliers in over 20 states



Connecting Florida Residents, Business Travelers, Commuters & Tourists



Leverages existing Florida East Coast Railway used by trains for more than 100 years



Combination of two companies: Express intercity passenger rail service and transportation oriented real estate in South Florida downtowns

CENTRAL THESIS FOR PASSENGER RAIL

“Too long to drive, too short to fly”

Travel by car
is
unpredictable



TIME	GATE	REMARK
2:50P	5	On Time
3:50P	9	On Time
4:05P	8	Delayed
05P	1	On Time
	9	On Time
	9	On Time

Travel by plane
is
uncontrollable

More Than **400m** Travelers Experience Limited and Challenging Mobility Options

ONE OF THE MOST
ACTIVELY TRAVELED
CORRIDORS IN THE U.S.

20M+
population

116M
annual visitors

400M+
trips along the route

FLORIDA

+9M PEOPLE

~50% of state's population, currently reside proximate to existing corridor

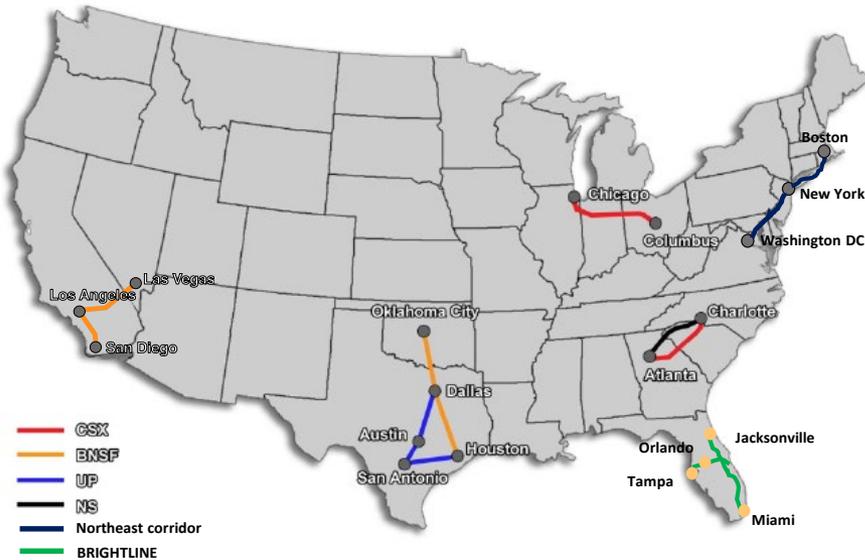
HIGHLY CONGESTED ROADS

Miami ranks as one of the most congested urban areas in the U.S.

Platform for Future Passenger Rail Systems

- Established model and expertise to implement express passenger rail across the country
- Several U.S. corridors have the ideal characteristics to support express passenger rail systems
 - Under 400 miles
 - High density populations with some of the nation's most congested roadways
 - Existing railroad and highway infrastructure

Selected U.S. Corridors for Express Passenger Rail



Miles Population ⁽¹⁾

Brightline – Miami to Orlando	235	8.5
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Selected U.S. Corridors

Brightline ext. -Tampa, Jacksonville	84 / 155	4.5
Washington DC – NY - Boston	220	31.0
Atlanta – Charlotte	245	8.3
Dallas – Houston	240	14.0
LA – San Diego	120	16.6
Chicago – Columbus	360	11.6
Houston – San Antonio – Austin	211	11.3
San Antonio – Austin – Dallas	275	11.7
Southern California – Las Vegas	185	22

(1) Metro area population per 2016 US Census Bureau estimate.



b TRAINS

Trainsets manufactured by **SIEMENS**

At Siemens manufacturing hub in Sacramento, California

 Carbody Structure
Paint for Carshell
Train Trucks

 Digital Signage

 Carpet

Sacramento, CA
Siemens Manufacturing Hub

 Tables (Select and Smart)
Garden Grove, CA

 Toilet
Carson, CA

 Doors (Vestibule)
Littleton, CO

 Engine Coolant
Belmont, MI

 Cummins Engine
Columbus, IN

 Passenger Seats
Bellwood, IL

 Traction Motor
Norwood, OH
Siemens Manufacturing Hub

 Batteries
Hainesport, NJ

 Luggage Tower Racks

 Interior Lighting
Milford, CT

 Beverage Stations
Chambersburg, PA

 Windows
Emporia, VA

 Doors (Entrance)
Spartanburg, SC

 Brakes
Duncan, SC

 HVAC System for Coaches
Hastings, NE

 Alternator
Jacksonville, FL

100% Buy America trains

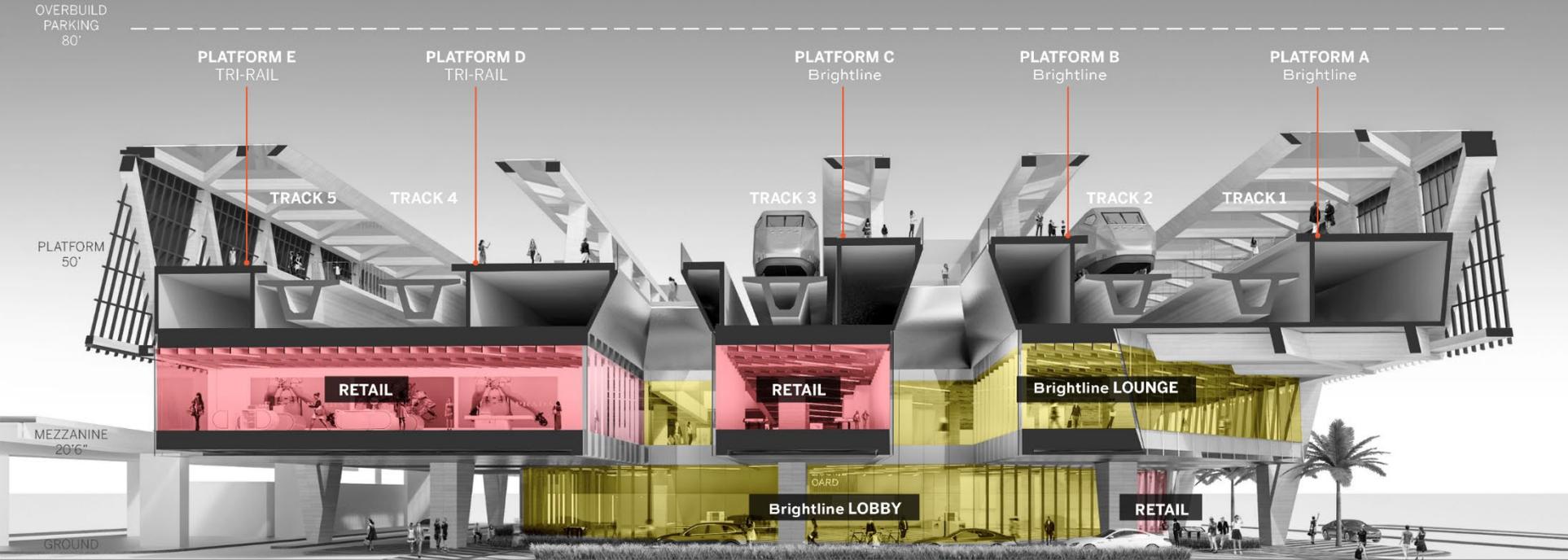
with components from more than 40 suppliers in more than 20 states

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INTEGRATION OF COMMUTER RAIL

+

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INFRASTRUCTURE



Infrastructure Overview

Miami to West Palm Beach

180+ grade crossings

66.5 miles of Class 4 Track double track

Workshop & maintenance facility

Quiet Zones

- Partnerships with South Florida MPOs
- PortMiami to West Palm Beach
- Supplemental Safety Measures (exit gates, traffic separators)
- Pedestrian improvements within FEC ROW

Working on installation of Positive Train Control





Infrastructure Overview

Phase 2: West Palm Beach to Cocoa

156 at-grade crossings, inc. 129 that will meet sealed corridor requirements

128.5 miles of Class 6 Track double track

Brightline trains will reach speeds up to 110 mph

20 bridges to undergo rehab or reconstruction

70-acre Vehicle Maintenance Facility

Installation of Positive Train Control

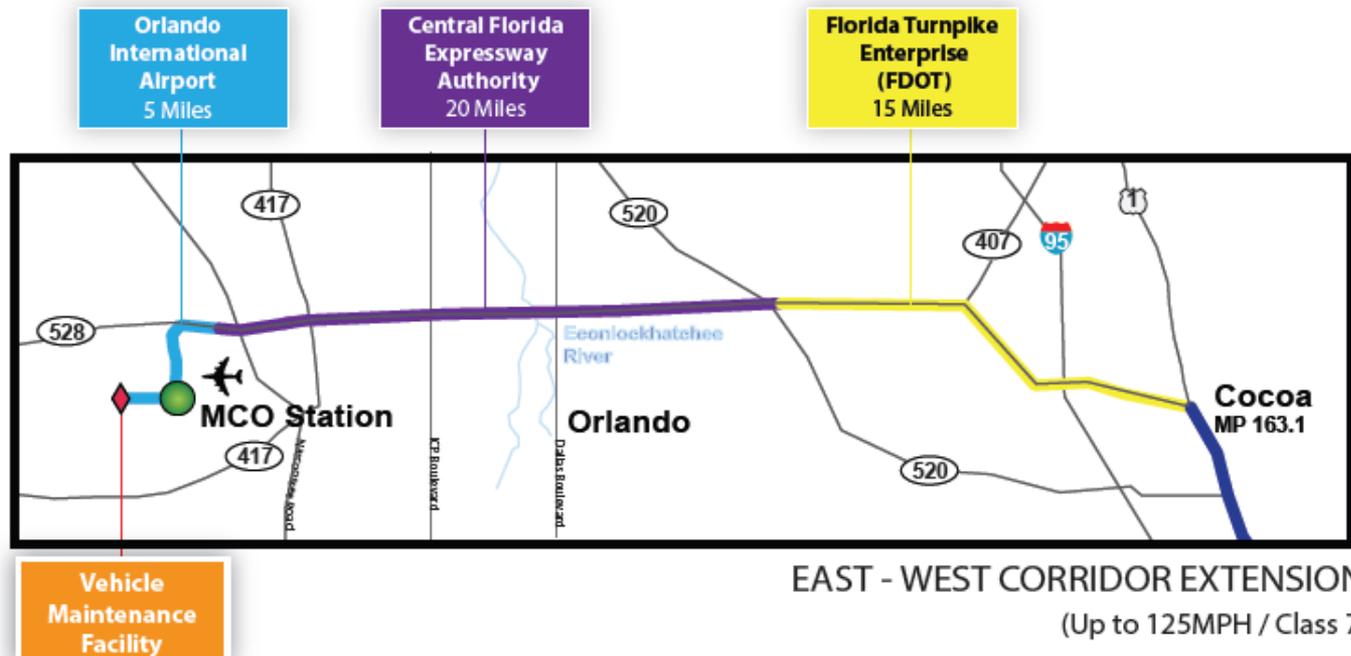
Phase 2 EAST-WEST SEGMENT

Extensive Coordination:

- FDOT (Turnpike)
- Central Florida Expressway Authority
- Greater Orlando Aviation Authority

Extensive infrastructure:

- Major flyover bridges
- Trenched sections
- Large retaining walls
- Drainage and utilities
- Snaking through Orlando Airport





Project Coordination

Florida East Coast Railway



Construction Phase

- Safety and Roadway Worker Protection
- Construction planning and inspection
- Work trains
- Train operations and scheduling
- Leads PTC implementation as host railroad

Operations Phase

- Shared use of track – RTC models
- FECR maintenance of corridor

Federal Railroad Administration

- Work with both regional and national offices
- Construction and safety audits
- New Starts
- PTC planning and technical reviews



U.S. Department
of Transportation
**Federal Railroad
Administration**



Operational Coordination

Florida DispatchCo

- Joint ownership by Brightline and Florida East Coast Railway
- Dispatches freight and passenger trains based on operating agreement
- Manages operation of movable bridge in Fort Lauderdale and communication with mariners
- Train performance for both railroads is reviewed at monthly service standards meetings

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