

States for Passenger Rail Coalition

Passenger Rail
Success Stories

Member

Presentations

Fall Meeting September 28, 2021

States for Passenger Rail Coalition

# Rob Padgette Capitol Corridors Joint Powers Authority (CCJPA)

Fall Meeting September 28, 2021



## Capitol Corridor Spring 2021 Pulse Schedule Development

#### **Schedule Change Objectives:**

- Regular pulse schedule
- Improved connections to local transit (BART, local transit)
- Improve equipment utilization (10 to 9 consists)
- Eliminate single-track territory conflicts to improve OTP
- Align service with customer demand
- Initiate direct Auburn to San Jose service (prior only Auburn to Oakland)





## Service Planning Development (One-Year Process)



- Established key schedule change objectives (pulse, improved OTP, fleet utilization, transit connections)
- Identified consultant support and operations tool (DB using Variato)
- Analysis of key data (ridership patterns, OTP,, conflicts)



Active Working Group with Key Stakeholders

- Active and early coordination with Union Pacific, Amtrak, Caltrain
- Iterative analysis of schedule options using Variato
- Assessment of conflicts with freight, ACE commuter rail and Caltrain in shared territory
- Exploration of minor schedule changes with key partners (ACE, Caltrain)



Schedule Approval and Implementation

- Internal Union Pacific modeling of final draft schedule
- Iterative technical analysis and negotiation
- Final ScheduleApproval (Amtrak, UP, and Caltrain)
- Commitment to sixmonth reassessment
- CalTrans funded performance monitoring led by DB













## Worst performing weekday trains in each direction both suffered from late initial departures



Weekday All-Station OTP (OT=<10") by Train and Direction

8/1 - 8/31, weekdays only

Station	520	522	524	526	528	astbound 532	536	538	542	544	546	521	523	525	527	531 W	estbour 535	537	541	545	547	551
Auburn						11/1	177	81.8%	777								777	-177			777	
Rocklin	1							72.7%							95.5%							
Roseville								68.2%	77.5						95.5%							-
acramento	95.0%	95.5%	86.4%	90.5%	90.9%	95.5%	90.9%	63.6%	77.3%	81.8%	90.9%		10.0	-	95.5%		10.10.3	737.0	1000	1000	-	1200
avis	90.0%	95.5%	86.4%	81.0%	86.4%	90.9%	86.4%	61.9%	68.2%	77.3%	90.9%	100.0%	100.0%	100.0%	90.9%	100.0%	100.0%	100.0%	100.0%	95.5%	95.5%	86.4%
airfield-Vacaville	90.0%	86.4%	86.4%	81.0%	86.4%	77.3%	86.4%	57.1%	63.6%	77.3%	90.9%	100.0%	100.0%	100.0%	90.9%	100.0%	100.0%	100.0%	100.0%	95.5%	95.5%	86.4%
uisun-Fairfield	90.0%	86.4%	86.4%	81.0%	86.4%	77.3%	86.4%	61.9%	63.6%	77.3%		100.0%			BLANCE TO S			100.0%				86.4%
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erkeley	95.0%	95.5%	90.9%	700 W 600	100.0%		95.5%	71.4%			100.0%		100.0%		77.3%	90.9%	95.2%	86.4%	86.4%		90.9%	77.3%
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an Jose	M										-	95.5%	100.0%		90.9%	100.0%		86.4%	90.9%		90.9%	

<sup>-</sup> Worst weekday trains: 538 (eastbound) and 551 (westbound)

#### **CCJPA** Innovation

#### **Next Generation Wi-Fi – Completed December 2020**

Installed and manage enhanced Wi-Fi system for entire Northern California bi-level fleet serving CCJPA and SJJPA routes

## Passenger Information Display System (PIDS) – 2021/22 Completion

California PIDS system covering CCJPA, SJJPA, ACE, and the North County Transit District (NCTD)

#### California Integrated Travel Program (CAL-ITP) – 2022 Pilot

Managing a multi-agency initiative to research, develop and implement an Integrated Travel Program (Cal-ITP) to support planning and payment for travel across multiple modes of transportation in California





States for Passenger Rail Coalition

Spencer Dodge
Colorado DOI – Southwest
Chief & Front Range
Commission



Fall Meeting September 28, 2021





## Recent Accomplishments & 2021-22 Work Plan

- ✓ Long term vision
- ✓ Environmental review
- **✓** Ridership modeling
- Conceptual cost estimating
- Conceptual engineering
- ✓ Preliminary Alternatives Analysis
- ✓ Funding and finance analysis
- **✓** Stakeholder engagement

- Southwest Chief Thru-Car Alternatives Analysis Complete Summer 2022 (est.)
- FRPR Rail Simulation Modeling and Preliminary
   Service Development Planning Complete
   Winter 2023 (est)
- Transition from Rail Commission to District (SB 21-238)
- Partnership opportunities with RTD and Amtrak



#### SB 21-238: Rail District

#### **Powers:**

- Finance, Design, Construct,
   Operate, Maintain Passenger
   Rail
- Check and Balances

#### **Representation:**

- 10 MPO/COG Representatives
- 6 Governor's Appointees
- One Director Appointed by CDOT Executive Director
- Non-Voting Members: BNSF Railway, Union Pacific, Amtrak, RTD, I-70 Mountain Corridor Coalition, Wyoming, New Mexico





### SB 21-238: Rail District

#### **Next Steps:**

12/01/2021 – RTD, CDOT, Railroad and I-70 Coalition appointees selection deadline

03/01/2022 – MPO/COG appointee selection deadline

04/01/2022 – Governor appointee selection deadline

05/15/2022 – First Board meeting deadline

Pre-Ballot Measure –Service Development
Plan Operating Plan
Financial Plan





States for Passenger Rail Coalition
James Campbell
Los Angeles-San DiegoSan Luis Obispo Rail
Corridor Authority Agency

Annual Meeting September 28, 2021





Los Angeles – San Diego – San Luis Obispo (LOSSAN) Rail Corridor Agency

#### **LOSSAN Rail Corridor Agency**

#### **Agency Summary**

7 Counties

9 Member Agencies

11 Member Board of Directors

#### **Ex-Officio Members**

**Amtrak** 

Caltrans

California High Speed Rail Authority

Southern California Association of Governments

#### **Corridor Summary**

350 miles

7 Right-of-Way Owners

5 Railroad Operators

27 Stations



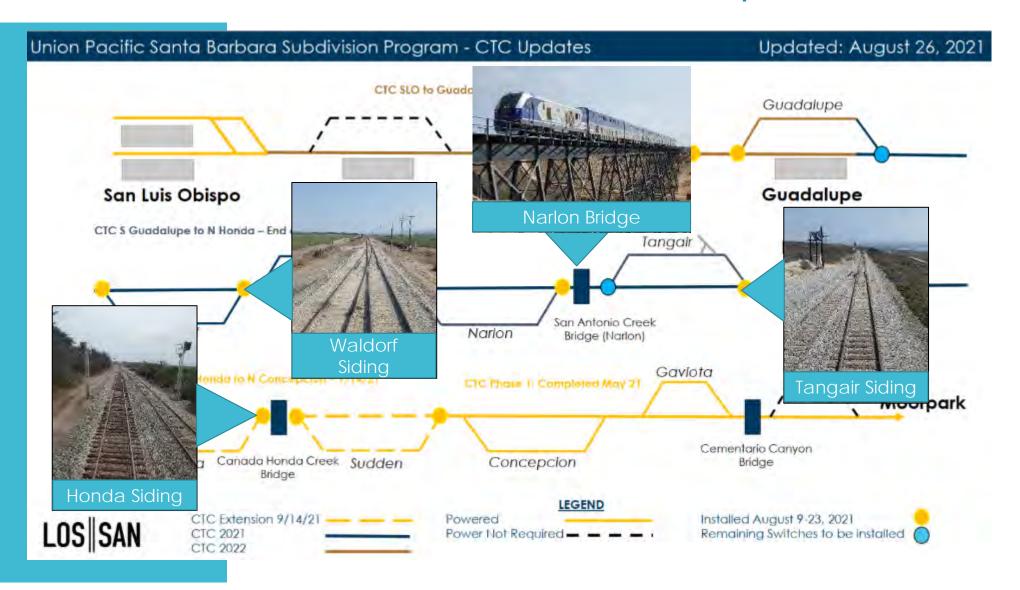


## LOSSAN / Union Pacific Partnership

- Los Alamos Creek (Narlon) Bridge Replacement (complete August 2021) \$22 million
- Canada Honda Creek Bridge Replacement (est. completion 2023) - ~\$22 million
- Track Upgrade Program
   (est. completion 2022) \$24 million
- Installation of 108 miles of Centralized Traffic Control and Upgrade of Nine (9) Non-Powered Sidings (est. completion 2022) - \$29.2 million
- San Luis Obispo Layover Facility Expansion (est. completion 2022) - \$1.6 million
- Bluff stabilization and Corridor Safety Improvements (ongoing)
   \$9.4 million



## LOSSAN / Union Pacific Partnership





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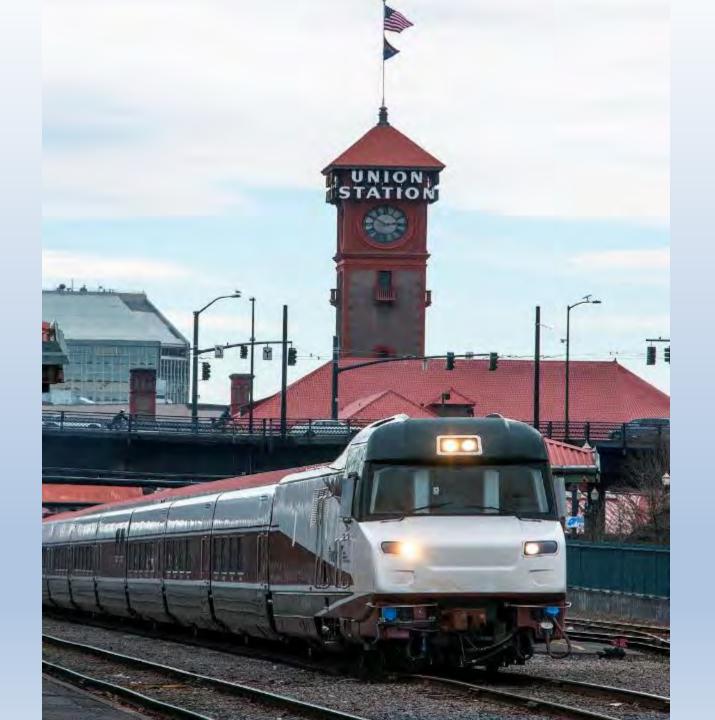
## Michael Jenkins Oregon DOT

Fall Meeting September 28, 2021













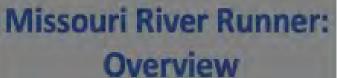
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## Troy Hughes Missouri DOT

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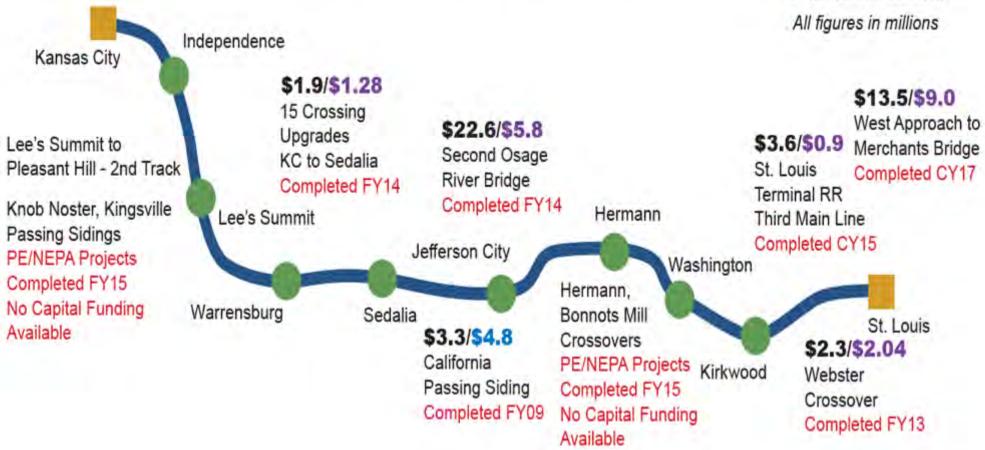
- 283 miles between Kansas City and St. Louis
  - 8 stops in between, including Jefferson City (state capital)
- Two daily round trips (currently reduced to one, effective Mar. 30, 2020)
- Typical consist: Locomotive, 2 coaches + 1 café/business class car
- 2014-2018 average annual ridership: 176,000
- Average fare: \$32.47



## Kansas City to St. Louis Rail Corridor Projects

Federal Funding
 State Funding
 Railroad Investment

All figures in millions







## On the Shelf - Preliminary Engineering/ NEPA Completed:

- √ 18 miles of double main track 90 mph
- 2 Passing Sidings
- 2 Universal Crossovers





## MISSOURI RIVER RUNNER BY THE NUMBERS

IN MISSOURI, THE TOTAL ANNUAL ECONOMIC IMPACTS GENERATED BY THE RIVER RUNNER INCLUDE:









IN ANNUAL TAX REVENUE





## **COVID-era Accomplishments**

- Record level of state appropriation for SFY 2022
- ✓ Ridership levels recovered to 70% of prepandemic average
- Missouri Rail Passenger Advisory Committee (MORPAC) expanding their role
  - Restarting Marketing Subcommittee
  - Creating Legislative Subcommittee





## SPRC States for Passenger Rail Coalition Jason Orthner North Carolina DOT Fall Meeting Success Stories September 28, 2021



#### **NORTH CAROLINA**

Department of Transportation



















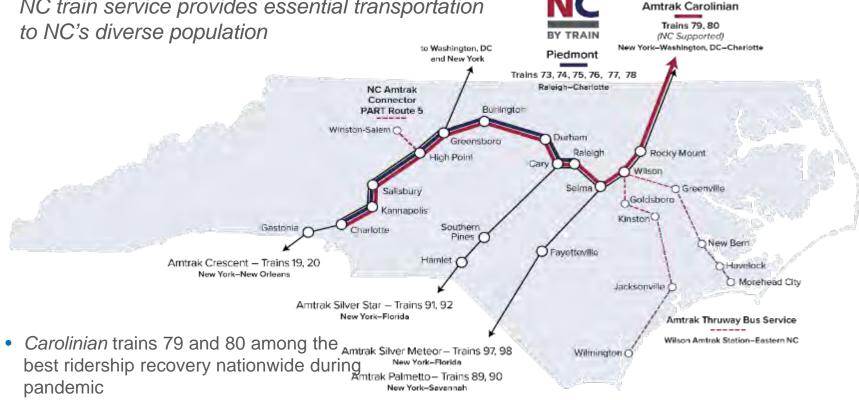
## NCDOT Rail Update

Jason Orthner, P.E. Rail Division Director

September 28, 2021

## State-Supported Services

NC train service provides essential transportation

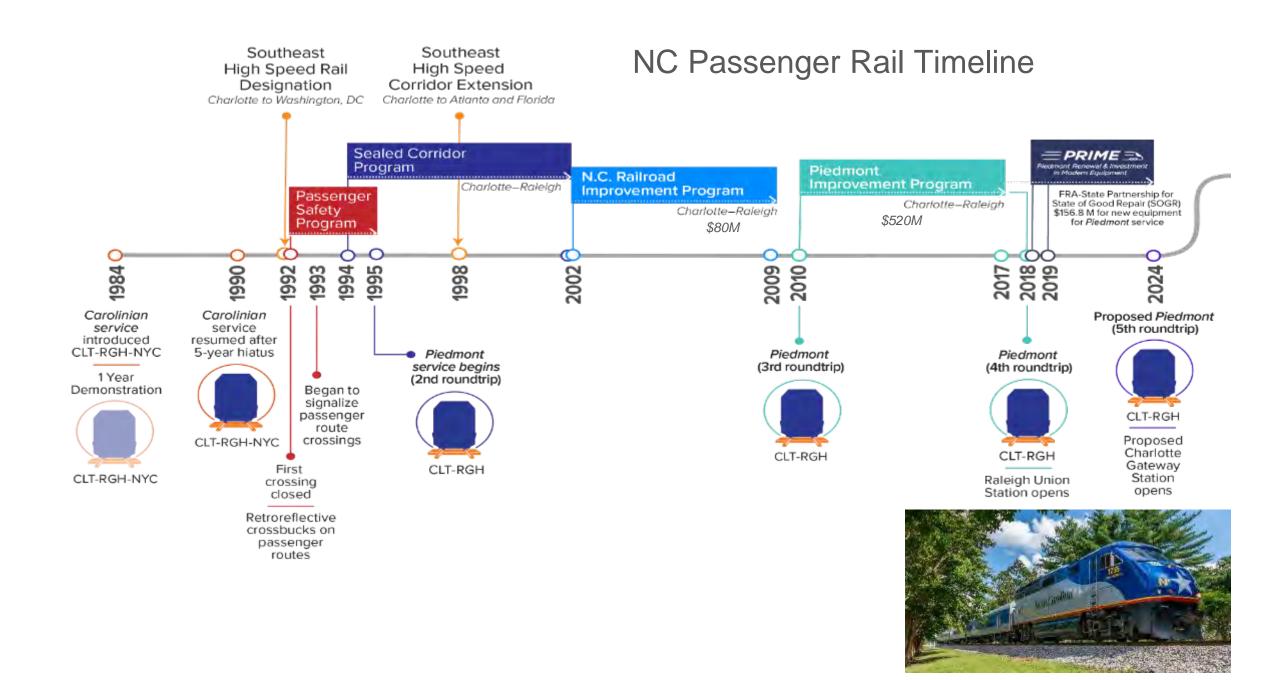


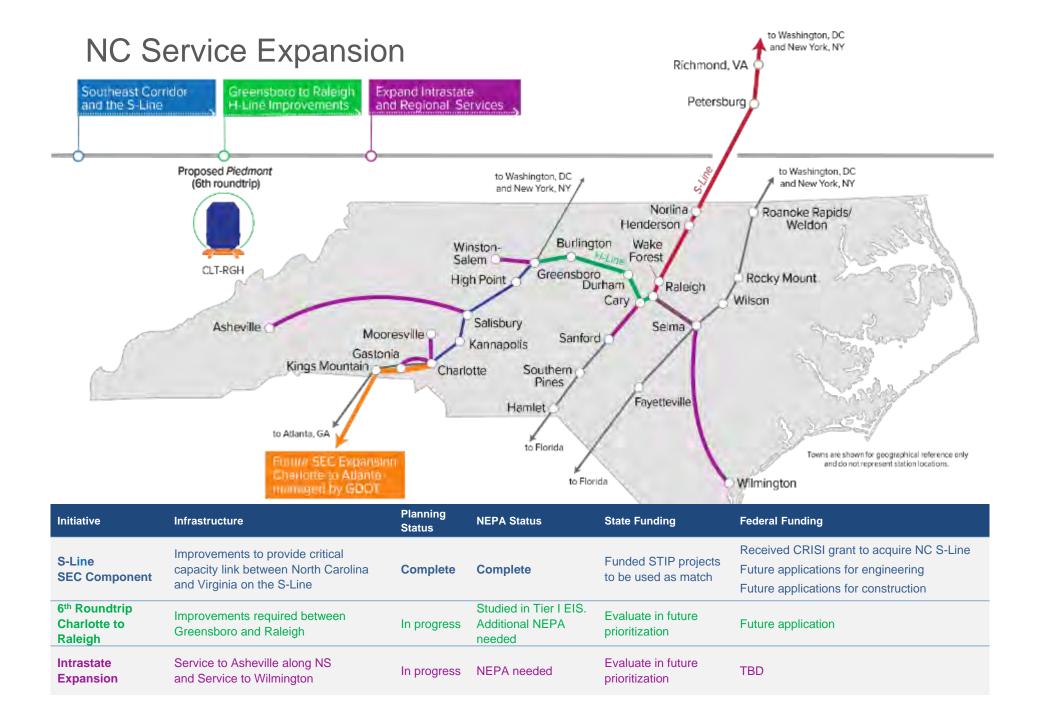
 Piedmont trains have resumed full regularly-scheduled service since April

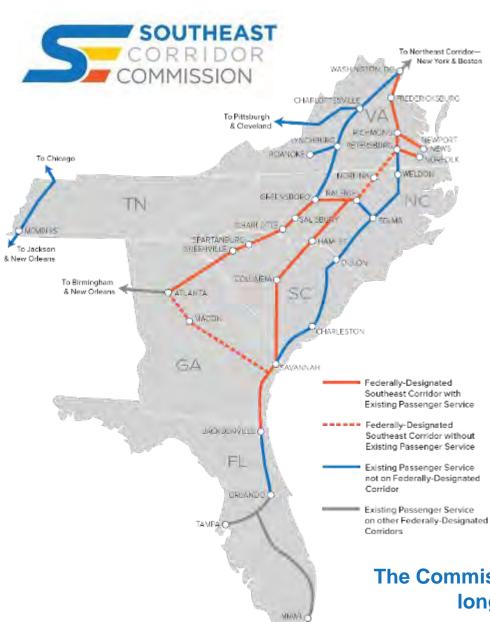
Enhanced cleaning and social distancing at stations and onboard, face coverings required











### Building the SEC

NCDOT received a grant on behalf of the VA-NC Compact and other Southeastern states to establish the Commission

#### The Commission:

Includes six states and the District of Columbia

Coordinates high performance rail system development south of D.C.

Meets quarterly, supported by technical team that meets monthly

Released the *Southeast Regional Rail Plan* prepared by FRA

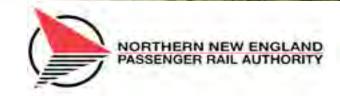
Prepared an *Economic Impact Study* 

The Commission continues to work together on the long-term vision for the Southeast

States for Passenger Rail Coalition

# Patricia Quinn Northern New England Passenger Rail Authority

Fall Meeting September 28, 2021







## **Downeaster Expansion Project**

**A Success Story** 









- 5 Round Trips Daily between Portland and Boston
- 116 mi / 79mph
- 2 Sets of Equipment
- 8 Intermediate Stations
- 3 States
- 2 Host RR
- 410,000 Annual Riders





### \$35m FRA Grant / \$3m State

- Supports Tourism
- Connects to Mid-Coast
- Supports Freight Rail
- Stimulates Economy
- Creates Jobs

#### PROJECT ELEMENTS:

- Upgrade 30 miles Pan Am Track
- 2 Station Platforms
- 36 Grade Crossings
- Service Begins Fall 2012
  - 2 R/T daily BRU-BON



www.AmtrakDowneaster.com



## 2010-2021













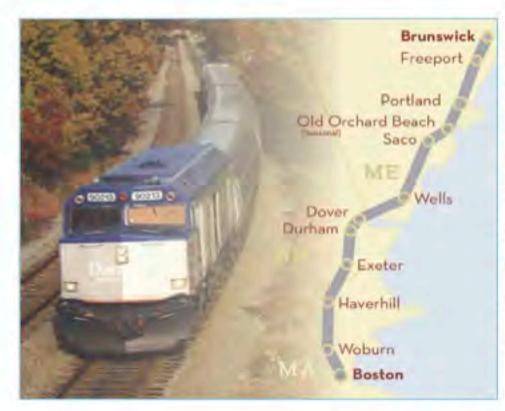
www.AmtrakDowneaster.com



# **November 1, 2012**



www.AmtrakDowneaster.com

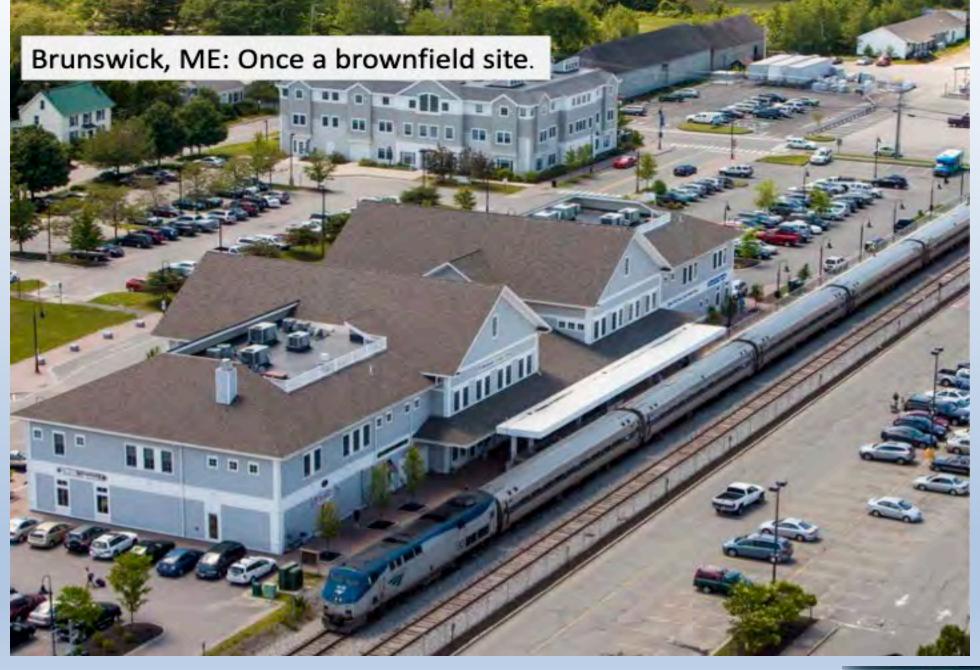


5 round trips each day between Brunswick-Boston over 143 route miles using 3 Amtrak train sets operating up to 79 mph over 3 Host Railroads serving 12 Station

Communities in 3 states and carried more than half a million riders each year through 2019.

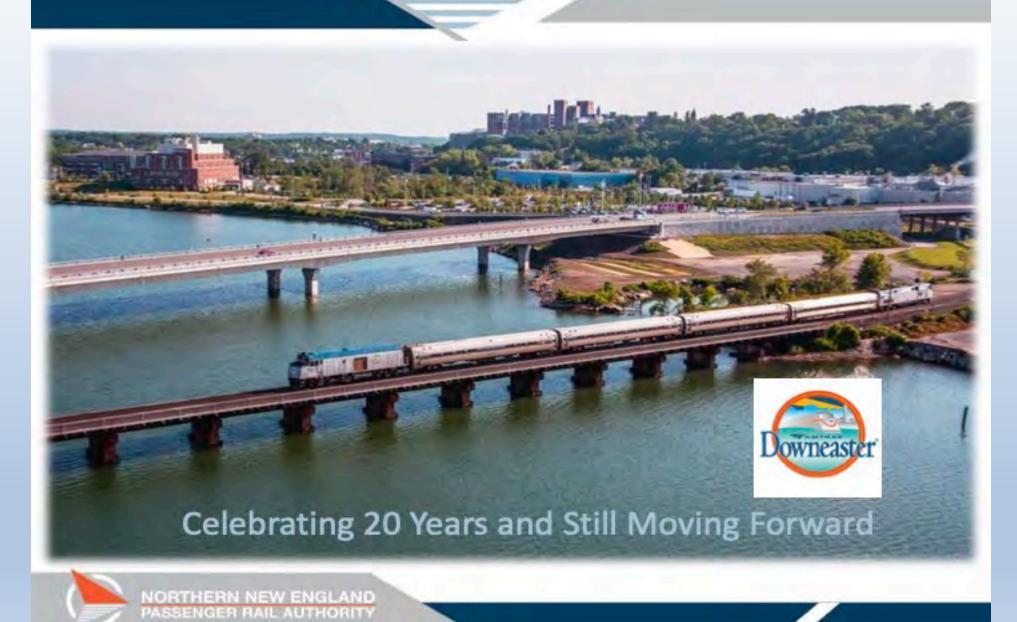














# SPRC

States for Passenger Rail Coalition

# Toni Clithero Vermont Agency of Transportation

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Success Stories





- •\$26.4M
- •\$10M TIGER VII Grant
- •State/FHWA-\$16.4M

#### Western Vermont Freight-Passenger Rail Project



APPLICANT/SPONSOR: Vermont Agency of Transportation

TIGER GRANT AWARD: \$10,000,000

TOTAL PROJECT COST: \$26,460,000

#### PROJECT DESCRIPTION:

The funds from this TIGER grant will help improve service on the state-owned rail line between Rutland and Burlington, VT. This includes replacing approximately 11 miles of track with new rail, ballast, and ties; rehabilitating the Rutland Wye; adding new gates for several public crossings; a new passing siding; a passing lane for trains in Pittsford and crossover in Leicester to allow for operational flexibility. The project also includes installing new passenger platforms in Middlebury, Vergennes, and Burlington, which are necessary to enable the extension of Amtrak's Ethan Allen Express service from Rutland to Burlington.



#### PROJECT HIGHLIGHTS AND BENEFITS:

The project will result in increased operating speeds of up to 40 mph for freight and nearly 60 mph for passenger trains on the entire Rutland-Burlington corridor. Freight shippers will benefit from the increased velocity and reliability brought on by the project. The project will also reduce long-term maintenance costs for the state, and enhance safety at multiple crossings.











## More Information

https://vtrans.vermont.gov/rail/amtrak-burlington

https://vtrans.vermont.gov/rail/reports

Toni.H.Clithero@vermont.gov

802-595-6743

# SPRC

States for Passenger Rail Coalition

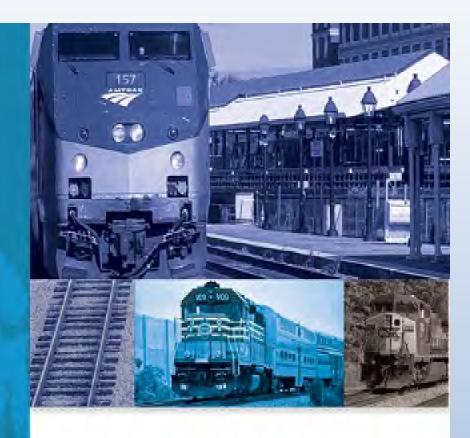
# Jeremy Latimer Wirginia Rail Passenger-Authority

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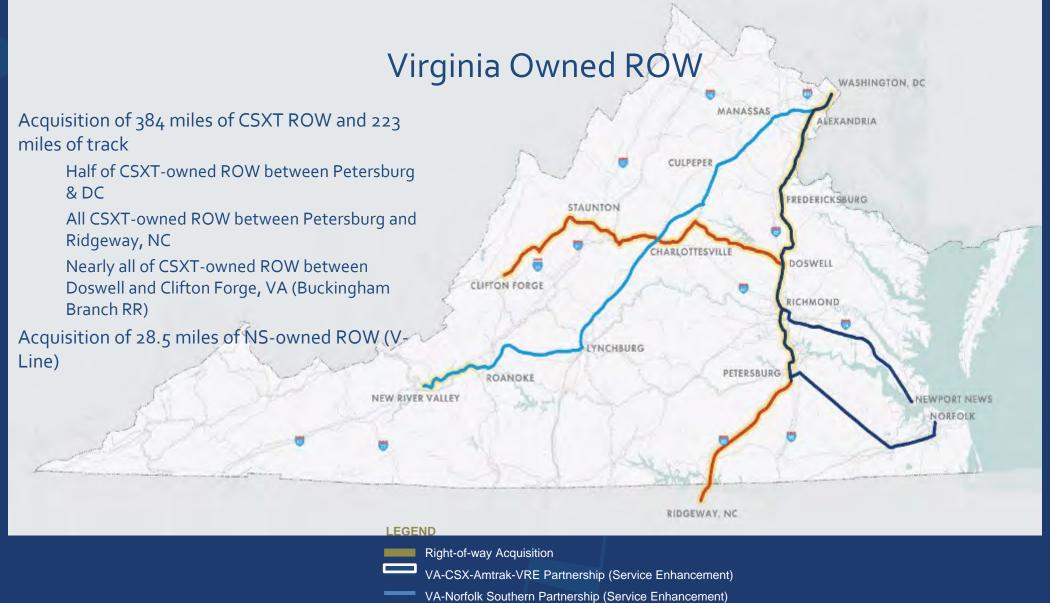
Success Stories

Transforming Rail in Virginia









Future Passenger Service (Buckingham Branch and S-Line)



#### **Program Highlights**

Railroad Right-of-Way (ROW) and Track Acquisition

Purchase of 398 Miles of Railroad ROW and 234 Miles of Track

#### **RF&P Corridor**

Half CSXT ROW between Washington, DC and Richmond, VA (120 miles) and 48 miles of track

#### **Buckingham Branch Line**

All CSXT ROW between Doswell, VA and Clifton Forge, VA (173 miles) and 186 miles of track

#### S-Line

All CSXT ROW (abandoned rail line) between Petersburg, VA and Ridgeway, NC (75 miles)

#### S-Line/A-Line

Half CSXT ROW and passenger rights on CSXT track between Richmond, VA and Petersburg, VA (~30 miles)

#### RF&P Corridor Improvements

Construct 37 Miles of New Track

#### Phase 1 (Complete 2026)

23 miles of new track

#### Phase 2 (Complete 2030)

14 miles of new track

#### Legend



Stations

**RF&P Railroad Tracks** 



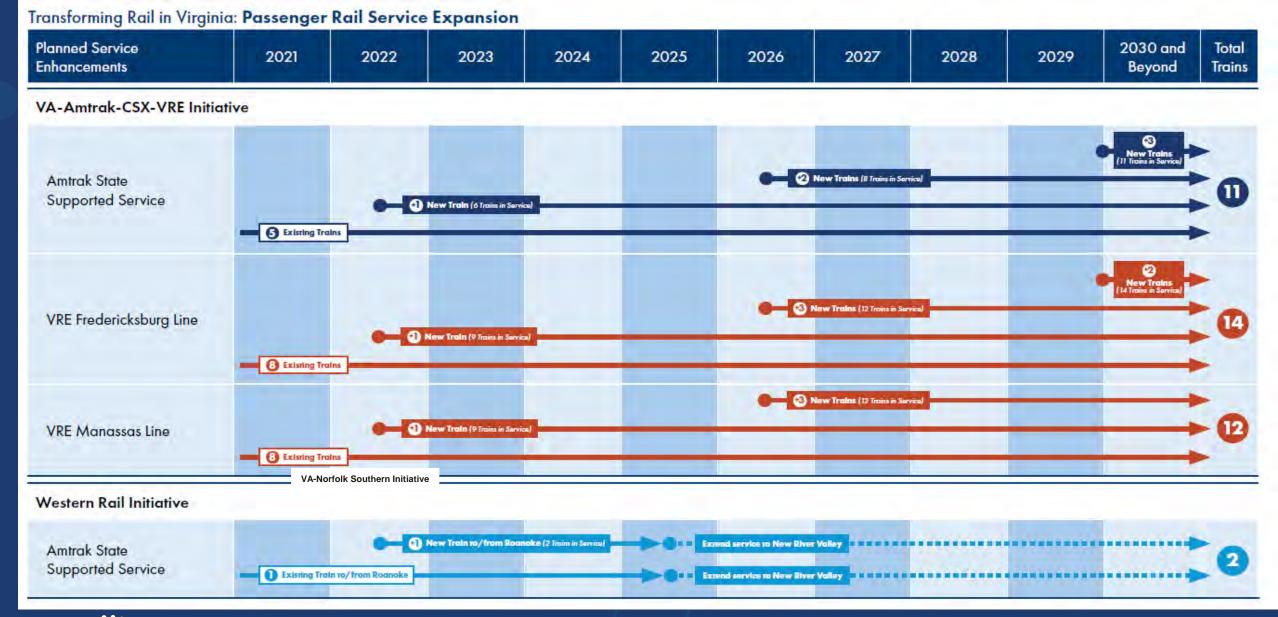
Existing

Phase 1

Phase 2









# SPRC States for Passenger Rail Coalition Arun Rao Wisconsin DOT Fall Meeting Success Stories September 28, 2021



CONNECTING

**PEOPLE** 



MOVING

**FREIGHT** 



**STRENGTHENING** 

**COMMUNITIES** 



# SPRC Success Stories SPRC Fall Meeting 2021



## TCMC Project Highlights

- Adds a second, daily round-trip passenger rail service to the 411-mile corridor used by Amtrak Empire Builder
- Doubles daily round-trips and quadruples schedule choices making more regional trips viable by rail
- Provides an eastbound train with greater *reliability* than existing service
- Improves *intermodal connections* throughout Wisconsin and Minnesota





### **Project Overview**





projected date and subject to change



morning and midday

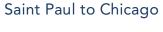
departures from St. Paul and Chicago



including TCMC and Empire Builder service



7.5-hour TRAVEL TIME





projected for opening year of service (2024)



79 mph SPEED

maximum in corridor

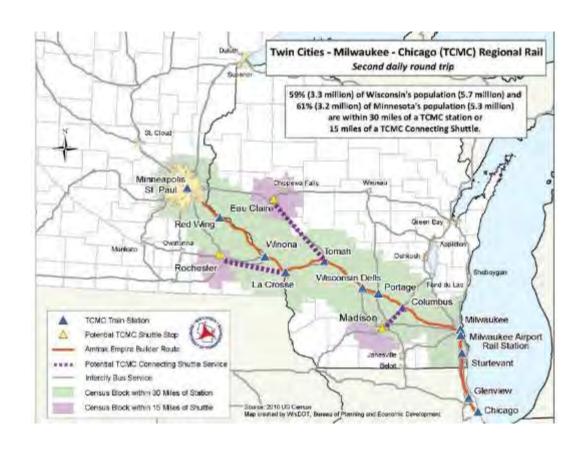


13 STATIONS

shared with Hiawatha and Empire Builder routes



#### TCMC Corridor and Travelshed

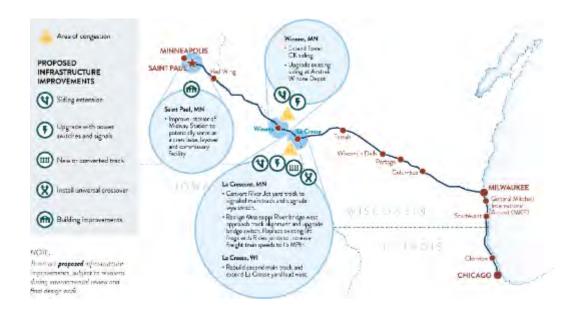






#### **TCMC Status**

- CRISI grant award and match funding secured
- Environmental and preliminary design complete
- Railroad agreement starting signature process and FRA grant agreement in process
- State-state agreements in process
- Final design consultant on-board by November
- Final design 2022
- Construction 2023-2024
- Service start: Late 2024





## Approach/roles to planning and implementation

#### WI-MN jointly led project with partnership from:

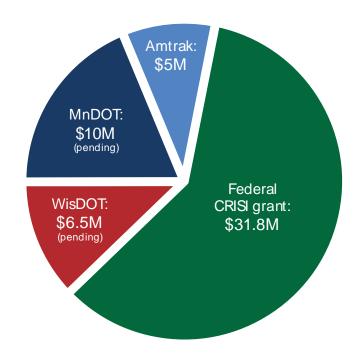
- Amtrak
- Ramsey County
- La Crosse County
- FRA

#### **Funding Approach:**

- Proactive with FRA R&E grant application for operating support (applied for prior to capital funding)
- CRISI grant for capital projects: 5 in MN, 1 in WI; \$53M
- Matches from states and Amtrak

#### **Host RR Coordination Approach**

- Railroad coordination early in planning process by states
- Amtrak facilitating as project neared implementation phase.





#### TCMC: Factors for Success

- Multiple entities-local, state, federal, Amtrak on project team with strong participation
- Team effort for extensive public, local, business and stakeholder engagement
  - Amtrak, Great River Rail Commission, Ramsey County, La Crosse County
  - Nearly 4,000 public comments; 85% in support
- Host RR cooperation strong support (freight benefits) for infrastructure improvements.
- State and county investment to move planning process quickly, without federal funds
- FRA partnership, including early in the planning process prior to federal funds, and later with grants for capital and operating



















States for Passenger Rail Coalition

Passenger Rail Success Stories

Member Sentations

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