

VIRGINIA RAILWAY EXPRESS BROAD RUN EXPANSION

VRE Operations Board
March 16, 2018



A BETTER WAY. A BETTER LIFE.

BROAD RUN STATION AND MSF

- Broad Run Station
 - Busiest Manassas Line station
 - Strong demand forecast for the future
 - Parking is near capacity (~ 93% utilization)
- Broad Run maintenance and storage facility (MSF)
 - Used for overnight train storage and maintenance
 - Train storage is at capacity

	2017	2030	2040 18 Daily Trains	2040 32 Daily Trains
Boardings	1,200	1,500	1,700	2,100
Parking Demand	1,000	1,400	1,600	1,900

2017 boardings from 10/4/17 VRE Master Agreement Survey; future year forecast from VRE Travel Demand Model (VTDM), 11/17/17



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BROAD RUN STATION AND MSF

TRAIN MAINTENANCE AND
STORAGE FACILITY (MSF)
5 trains stored + spares

1,081 parking spaces

88% of passengers
arrive via Piper Lane

12% of passengers arrive
via Observation Rd.

STATION PLATFORM

VRE Station/MSF Track

North



To Nokesville Rd./Route 28

Piper Lane

Residency Dr.

Norfolk Southern Main Line

Observation Rd.



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PROJECT ELEMENTS

- Increase station parking to 1,500 spaces (+400 spaces)
- Longer storage tracks at MSF
 - Store longer trains
 - 10 additional coaches (1,300 peak seats)
 - Relocation and expansion of crew/MSF facilities
- 3.4 miles of third track on NS main line
- Relocate station platform to enable MSF expansion and 3rd track
- Allow for future expansion in the plan
 - Store more trains/expand MSF footprint
 - Up to 2,000 parking spaces by 2040



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BROAD RUN EXPANSION OBJECTIVES

- Accommodate near-term growth in VRE demand
 - Same number of trains as today
 - Add seats on trains, parking spaces
- Improve station access/egress
 - Cars
 - Bicycles, pedestrians, kiss-and-ride/shuttles/transit
- Increase railroad capacity and operating flexibility
- Do not preclude long-term service expansion - more trains

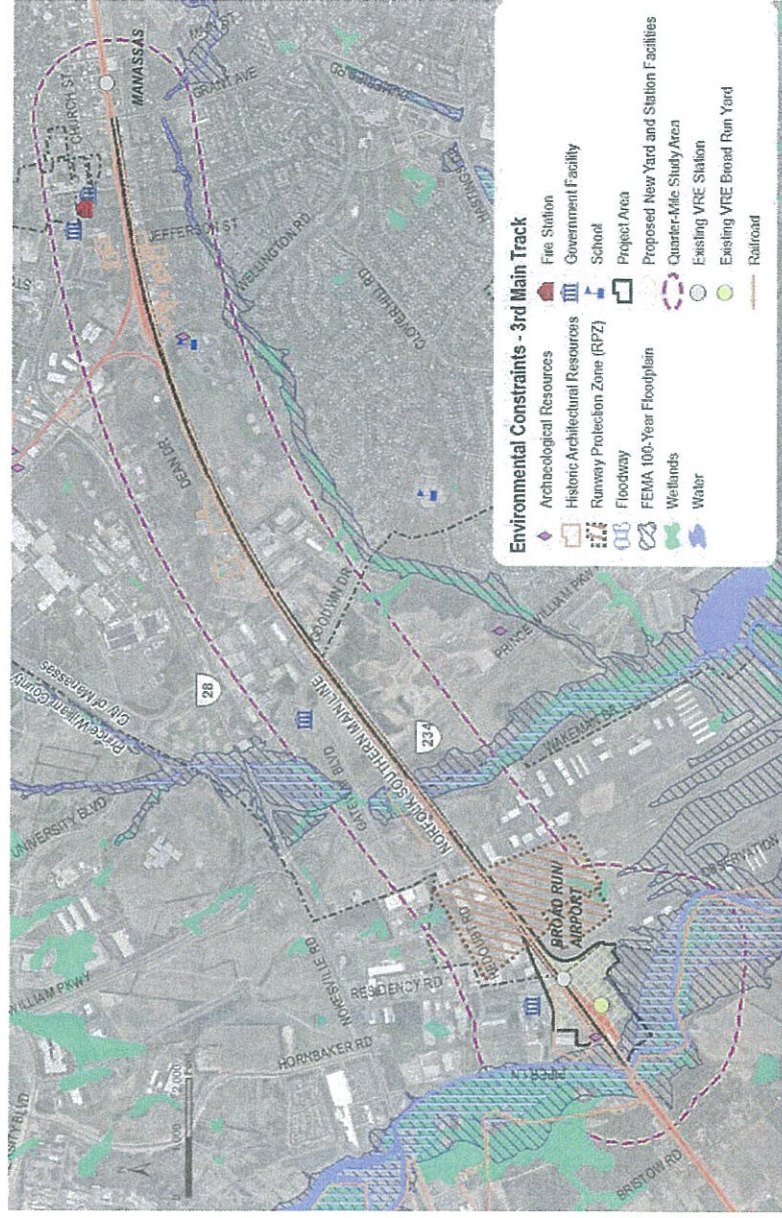


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EVALUATION OF ALTERNATIVES

- Multiple environmental resources within project area
 - Floodplain
 - Wetlands
 - Potential cultural/historic resources
 - Manassas Airport
- Limited expansion potential at current station/MSF



EVALUATION OF ALTERNATIVES

- Multiple parking expansion options under consideration
- Includes new parking north of NS tracks
 - Distributes traffic to station
 - Reduces impacts on Piper Lane
 - Provides multimodal access opportunities
 - Would require property acquisition



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NEXT STEPS

- Develop evaluation criteria
 - Station access and traffic
 - Long-term expansion potential and flexibility
 - Property impacts
 - Construction impacts
 - Environmental impacts
- Identify preferred concept (April 2018)
- Complete preliminary engineering and NEPA on a single alternative (August 2018)

