



Reichs Ford Road Phase II Improvements



Community Meeting
Frederick County Public Safety Training Facility,
Room 117
November 19, 2025, 6:00 pm

Frederick County Division of Public Works
Dept. of Engineering and Construction Management
Office of Transportation Engineering



Project Team

Leo Miller – Frederick County Project Manager

Elbert Maravilla – Assistant Chief, Office of Transportation Engineering

Greenman-Pedersen, Inc. (GPI) – Engineering Consultants



Project Overview

- Improvements will address:
 - Roadway Alignment Deficiencies
 - Replacement and Upgrade of Two Temporary Bridges
 - Roadside Stream Stabilization and Cross Culvert Repair
 - Intersection Adjustments at Bartonsville Road
- This project is funded by County and Federal Grant Funds

Project History

Reichs Ford Road Phase I Improvements

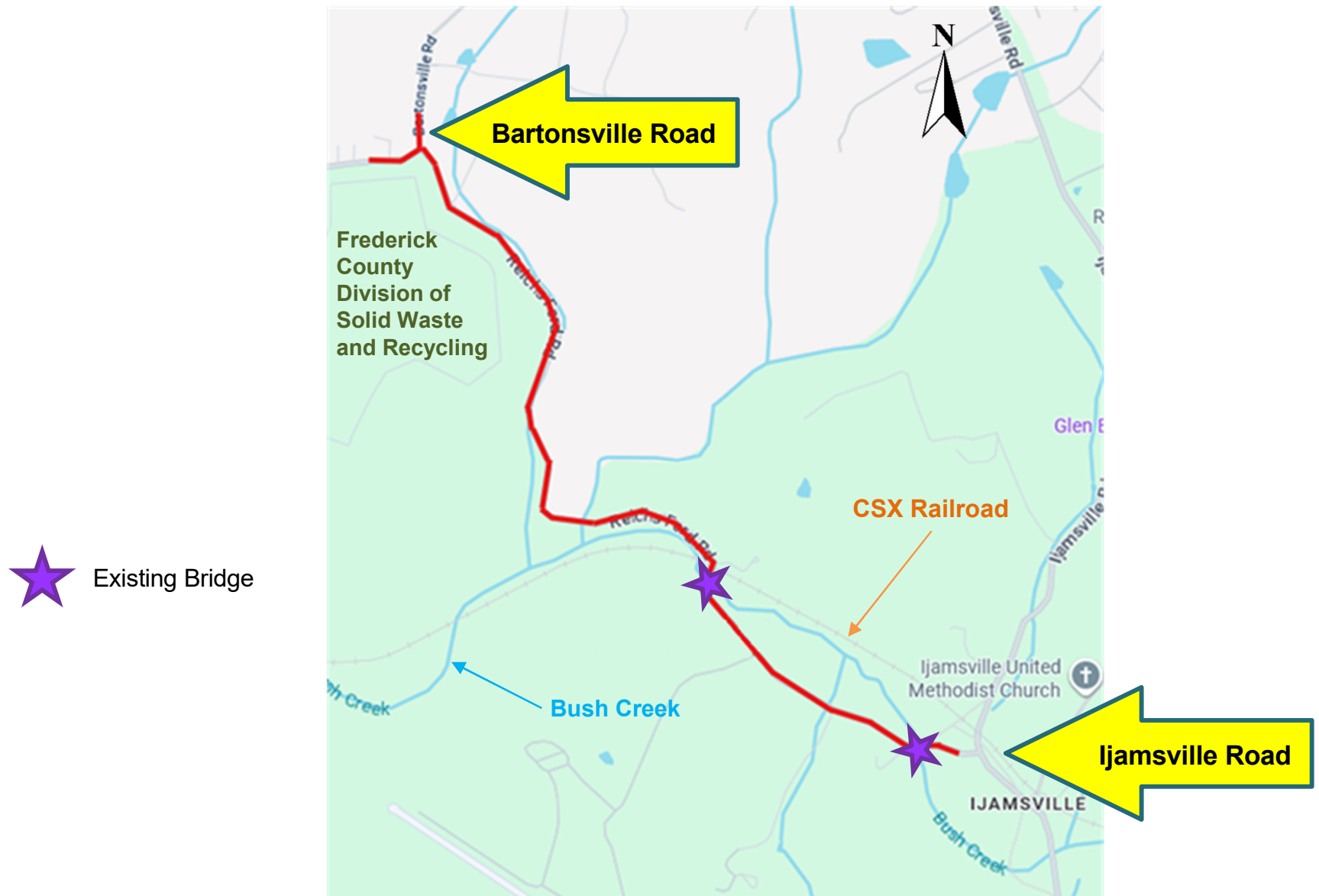
- From Reels Mill Road to Bartonsville Road
 - ~1.9 miles long
 - Completed 2011

Improvement of Ijamsville Road and Bridge Over Bush Creek

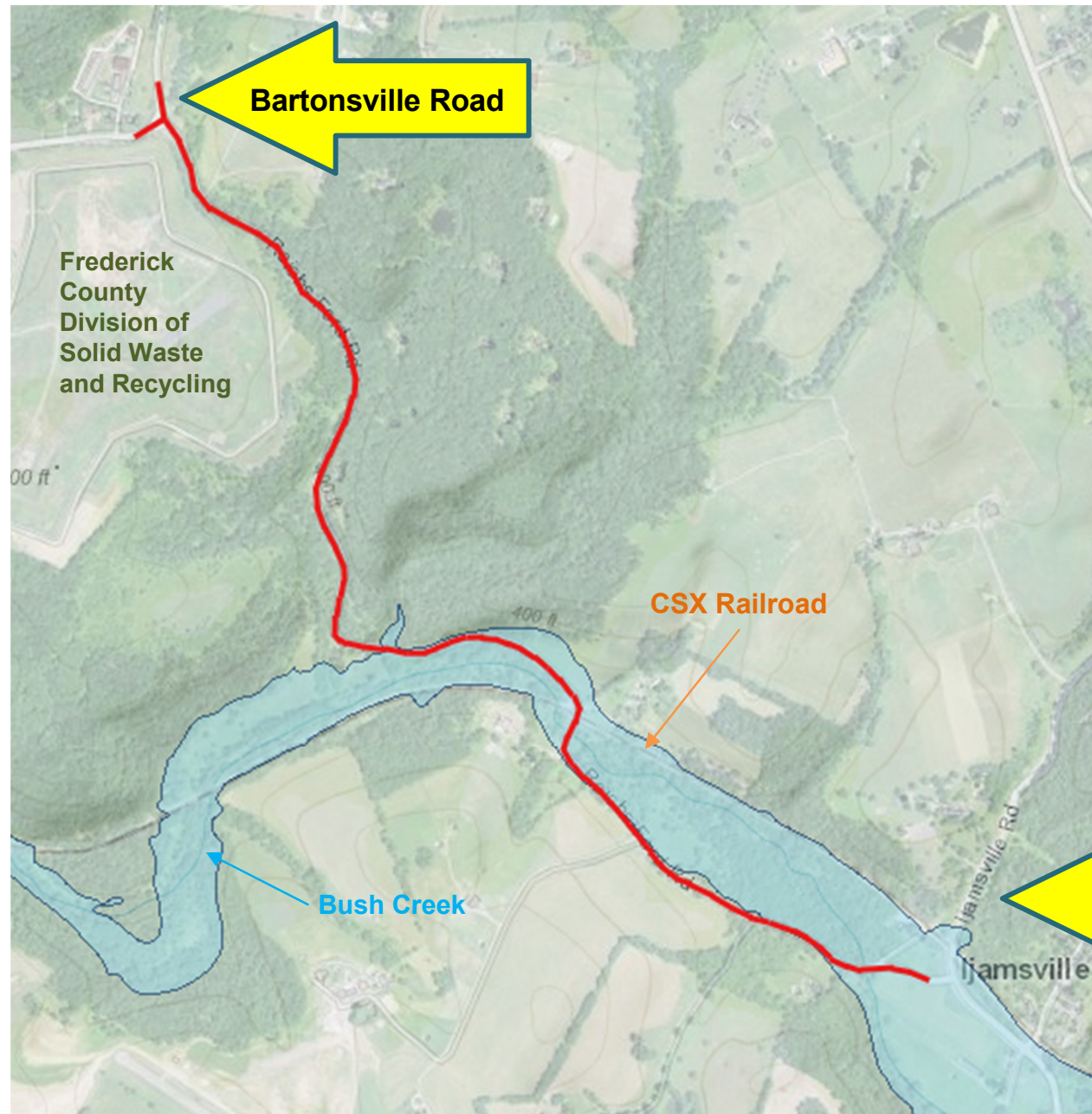
- ~1.4 miles long
- Completed 2013



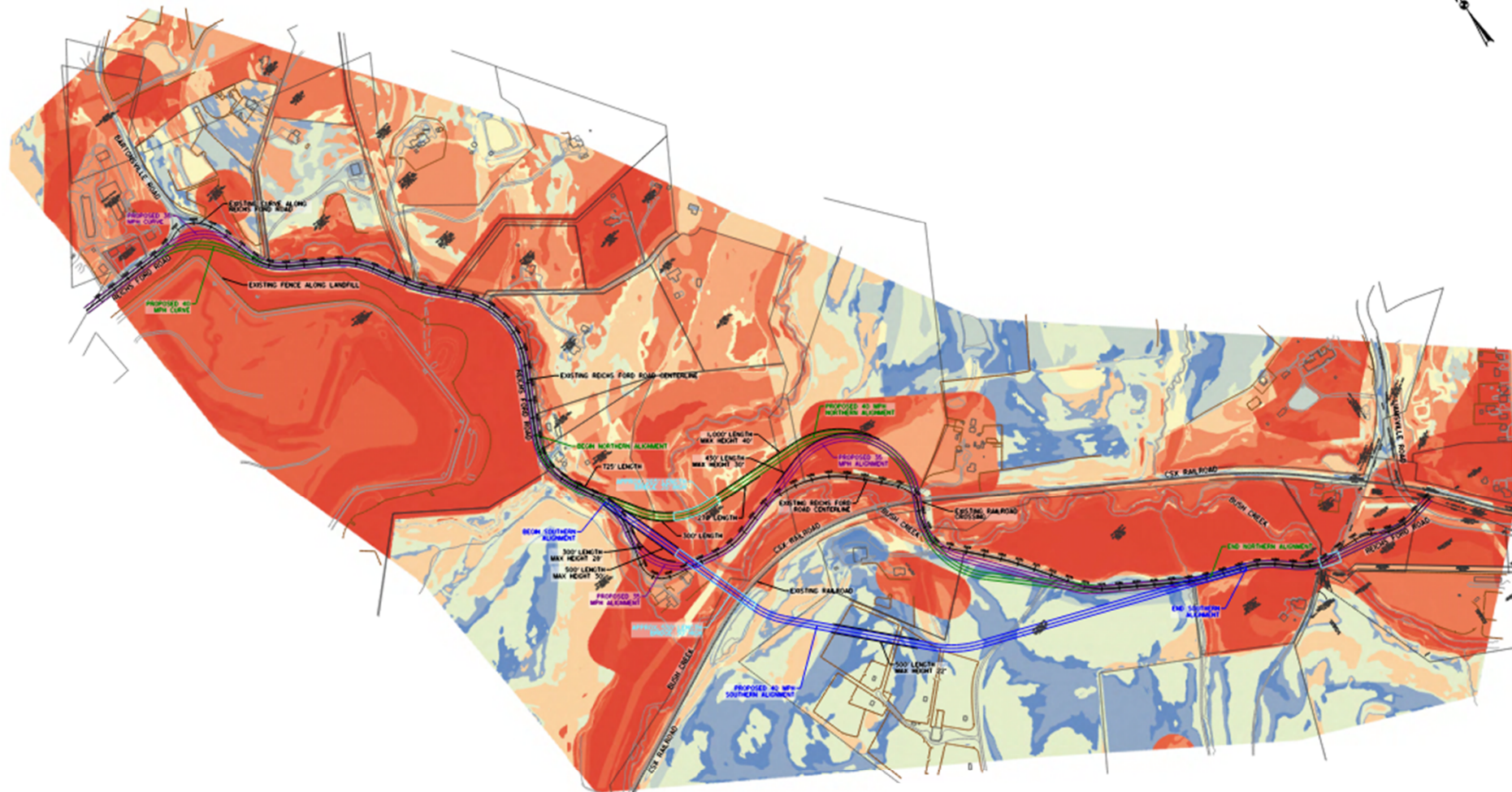
Reichs Ford Road Phase II Project Limits



Existing Floodplain



Feasibility Study

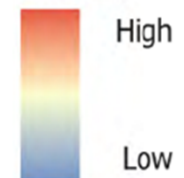


35 MPH ALIGNMENT, SHOWN IN PURPLE, IS THE CHOSEN ALIGNMENT REPRESENTED IN THE REICHS FORD PHASE II IMPROVEMENTS CONCEPT STUDY

LEGEND

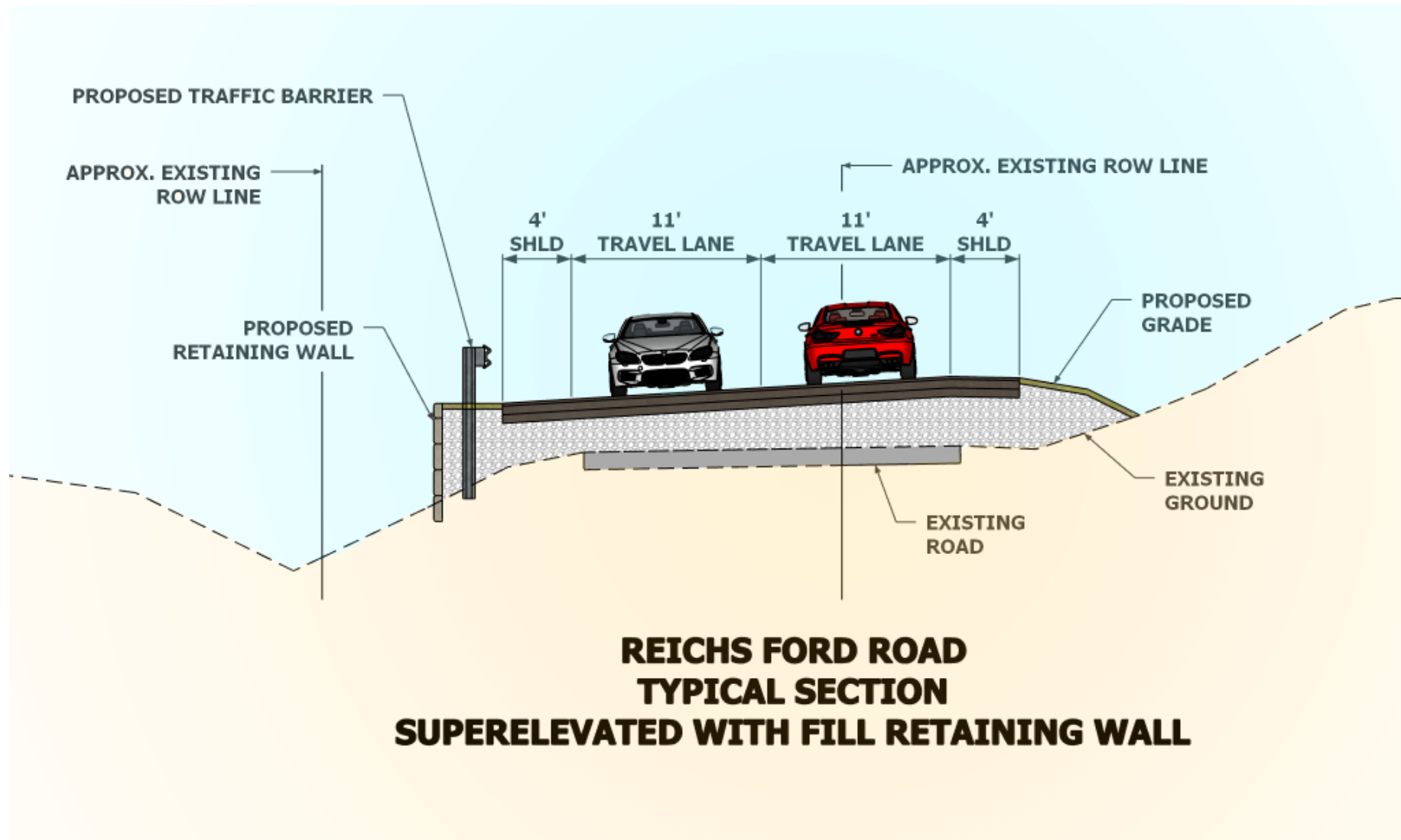
- PROPOSED 40 MPH SOUTHERN ALIGNMENT
- PROPOSED 40 MPH NORTHERN ALIGNMENT
- PROPOSED 35 MPH ALIGNMENT
- EXISTING REICHS FORD ROAD CENTERLINE
- PROPOSED RETAINING WALL
- PROPOSED BRIDGE

Environmental Sensitivity



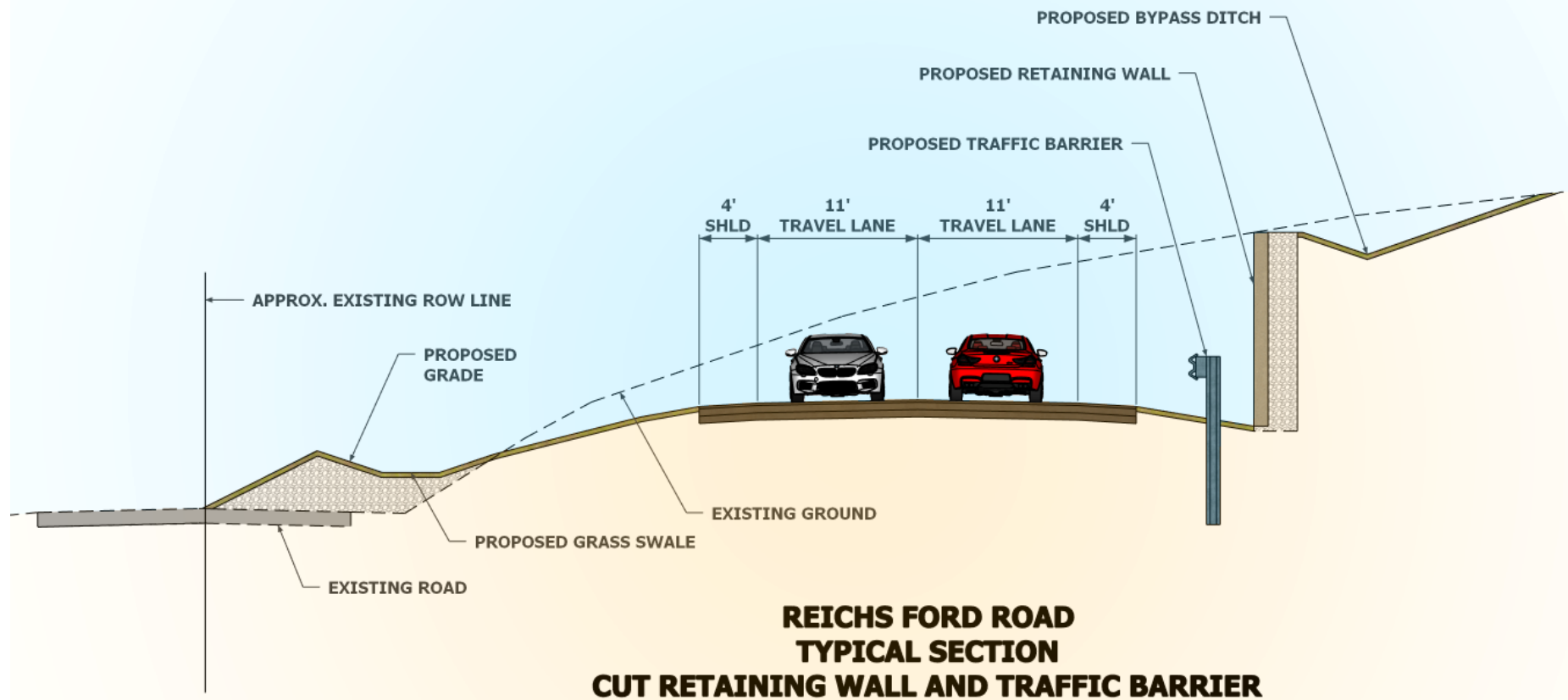
Environmental Sensitivity Factors include forested areas, streams/wetlands/floodplain, historical and potential archaeological sites, hazardous material sites, and steep slopes/soil types

Typical Sections



- Two 11-foot-wide travel lanes
- 4-foot-wide paved shoulders
- Areas of roadside ditches
- Walls in fill and w-beam traffic barrier

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- Two 11-foot-wide travel lanes
- 4-foot-wide paved shoulders
- Areas of roadside ditches
- Retaining walls in cut sections

Roadway Design

- Roadway Classification: Collector
- Posted Speed: 30/35 mph
- Design Speed Met Per Existing Geometry: As low as 20 mph
- Design Speed Met Per Proposed Alignment: 35 mph



Structure Design

Bridge F-0707 – Near Railroad Crossing

Existing Bridge

- **Type:** Single Span Steel Acrow Truss
- **Age:** ~5 years
- **Length:** 90 ft
- **Width:** 14 ft
- **Restrictions:** 60,000 lb.



Existing Bridge

Proposed Bridge

- **Type:** Steel Girder Single Span with Cast-in-Place Concrete Deck
- **Length:** 100 ft
- **Width:** Total clear roadway width of 30 ft



Example of Proposed Bridge

Structure Design

Bridge F-0706 – Near Ijamsville Road

Existing Bridge

- **Type:** Single Span Steel Acrow Truss
- **Age:** ~50 years
- **Length:** 65 ft
- **Width:** 14 ft
- **Restrictions:** None Posted



Existing Bridge

Proposed Bridge

- **Type:** Steel Girder Single Span with Cast-in-Place Concrete Deck
- **Length:** 80 ft
- **Width:** Total clear roadway width of 30 ft



Example of Proposed Bridge

Drainage Design

- **Existing Conditions**

- 15 Roadway and 3 Driveway Culverts
- Deteriorating pipes and rusted inverts
- Sediment buildup and restricted flow

- **Proposed Improvements**

- Select culvert replacements and outfall stabilization
- Storm drain inlets and conveyance systems as needed
- Roadside ditches and bypass ditches
- Stormwater Management Facilities
- Roadside stream stabilization and potential realignment



Bartonsville Road Intersection Design

- **Existing Deficiencies**

- High Crash Location
- Limited sight distance and nighttime visibility
- Restrictive geometry



- **Proposed Improvements**

- Improve signage along Reichs Ford Road eastbound to notify of stop ahead
- Add intersection lighting to increase visibility at night
- Applying high-friction surface treatment at approach to stop sign
- Preliminary investigation and traffic study underway to consider other geometric changes at this intersection

Additional Design Considerations

- Maintenance of Traffic
- Railroad Crossing
- Property Impacts
- Environmental Permitting
- Utility Coordination
- Cultural Resources



Project Schedule

Study Phase

- 2024 - 2025

Design Phase

- 2026 - 2029

Construction Phase

- 2030 - 2032





Questions

- We will now open the meeting for questions.
- Meeting minutes from this meeting, including comments and responses, will be uploaded to our website.

Thank you!

*For any further questions, please contact the Project Manager Leo Miller at
LMiller3@FrederickCountyMD.gov*