"Pardon Our Dust" Meeting

Route 220 Safety Improvement Project
Botetourt County

March 27, 2018 / Dabney S. Lancaster Community College
April 12, 2018 / Eagle Rock Elementary School
Salem District
Meet Your Team

– Robbie Williams, PE, PMP
  District Construction Engineer; VDOT Senior Representative

– Josh Lawrence, PE, CCM
  VDOT Representative/Project Manager

– Craig Moore, PE
  Assistant District L&D Engineer, Design Project Manager

– Monya McMichael
  Project Inspector

– Josh Williamson
  Construction Manager

– Chris Smith
  Assistant Construction Manager

– Mike Robic
  Project Manager

– Paul Watts
  Safety Manager

– Fran Burke
  Design-Build Manager

– Greg Krystyniak
  Asst. Design-Build Manager

Route 220 Safety Improvement Project
Project Overview

- **Project Cost**
  - $79 million

- **Overall Completion Date**
  - August 31, 2021

- **Design-Build Contractor**
  - Faulconer Construction Company
Project Purpose and Need

The primary purpose of this project is to enhance safety along the – 9.65 mile section of Route 220 (Botetourt Road) between Iron Gate and the James River Bridge near Eagle Rock.

This project will improve this section of Route 220 as a two-lane road and is intended to reduce the severity and number of crashes.

- Improving alignment
- Widening shoulders
- Improving intersections
- Secondary connections and private entrances improved with greater intersection sight distance
- Adding turn lanes
- Providing additional passing opportunities
- Providing centerline and edge-line rumble strips
- Providing raised centerline pavement markers
Separate Route 220 Bridge Project

- Bridge Replacement Project
  - Begin Construction: Summer 2016
  - End Construction: Summer 2018
Upgraded Two-Lane Roadway Typical Section

- Typical Existing Roadway Section
- Typical Upgraded Roadway Section
Safety Features in Typical New Road Sections

- Enhancing centerline and shoulders
  - Providing 2-foot centerline
  - Providing 4-foot paved shoulders
    - Except north of the James River Bridge (Phase 3 North)
  - Providing 4-foot stabilized shoulders
  - Rumble strips added in the center and shoulders

- Wider Lanes
- Paved Shoulders Throughout
- Greater Separation From Opposing Traffic
Design-Build Process

- Specific design and construction details are being developed throughout the entire process with the focus staying on delivering value to VDOT.

- Safety is our number one priority.

- Preliminary plans are set, but the designs will evolve.

- Potential challenges are uncovered early, we can adjust as necessary, and better communication keeps the job moving.

- The process helps us get the job done faster at higher quality.
✓ Overall Phasing
  • Phase 3 North → Phase 1 → Phase 2 → Phase 3 South

✓ Phase 3 North work to begin April 2018
  • Goal is to complete Phase 3 North by end of 2018

✓ Start work on Phase 1 with utility relocation in summer 2018, construction estimated to begin late 2018

✓ Phase 2 construction estimated to begin late 2018

✓ Phase 3 South construction estimated to begin late summer 2020
Phase 3 North
Anticipated start: April 2018
Anticipated duration: 9 months

➢ Phase 3 North location

✓ Begins north of intersection of Head of the James River
✓ Ends ¾ mile south of intersection of Route 727 (Fork Farm Road)
✓ Moving rock and dirt from Phase 1

➢ Phase 3 North improvements

✓ Widened shoulder
✓ Improved storm water drainage and sight distance
Phase 1
Anticipated start: late 2018
Anticipated duration: 30-36 months

- Phase 1 location
  - Begins north of the Sinking Creek Bridge above Kelley’s Market
  - Ends north of intersection of Route 696 (Buhrman Road and Locust Bottom Road)

- Phase 1 improvements
  - Improved intersection at Route 622 (Prices Bluff Road)
  - Construct left turn lanes at Route 696 (Locust Bottom Road) and Route 696 (Buhrman Road)
  - New/extended passing zones
  - Improved storm water drainage and sight distance
Phase 2
Anticipated start: late 2018
Anticipated duration: 18-22 months

- Phase 2 location
  - Begins north of James River & rail crossing just south of intersection with Route 43 (Narrow Passage Road)
  - Ends at the Sinking Creek Bridge above Kelley’s Market

- Phase 2 improvements
  - Dual center turn lane at Kelley’s Market
  - Curb and gutter installed from Kelley’s Market north to Sinking Creek Bridge
  - New/extended passing zones
  - Construct Left Turn Lane at Route 43 (Narrow Passage Road)
Phase 3 South
Anticipated start: Fall 2020
Anticipated duration: 9-12 months

- Phase 3 South location
  - Begins just north of intersection of Route 696 (Buhrman Road/Locust Bottom Road)
  - Ends at Route 700 (Simmons Lane) overpass

- Phase 3 South improvements
  - Resurfaced pavement
What Construction Means to You: Typical Work Hours and Lane Closures

- Typical work hours are expected to be Monday through Saturday during daylight hours, with no work anticipated to take place on Sunday.

- Occasional night work is possible.

- Route 220 will be reduced to one lane traffic at times during construction.

- Flaggers or temporary signals will be used to control traffic.

- Drivers can expect delays of approximately 5 to 15 minutes.
What Construction Means to You: Lane Closures and Speed Limits

- One-lane work zones may be lengthy due to curves.
- Speed limit will be reduced to 45 MPH in active work zones.
- Message boards will be used at either end of the project to communicate traffic changes 24-hours in advance.
- Temporary lane closures can be removed if Route 220 becomes a detour route for I-81 or I-64 traffic incident.
Temporary signals will be used when Route 220 is reduced to one lane for extended periods of time.

One lane will remain open and traffic will alternate around the clock.

Concrete barriers will be used, potentially creating restrictions for oversized vehicles.

Only one temporary signal will be utilized at any one time, and can only be used between April 1 and September 30.

The total number of days a temporary signal may be used is limited for the duration of the project, and will be used sparingly.
What Construction Means to You: Noise Impacts

- Rumble strip installation and other aspects of the project may cause temporary noisy periods during daytime hours.

- At this point, no drilling or blasting to remove rock has been scheduled.

- If drilling or blasting becomes necessary, please note the following:
  - Both directions of Route 220 will be blocked for approximately 15-20 minutes.
  - Drivers should expect loud noises and allow extra travel time.
  - Nearby property owners will be notified directly.
  - Message boards will alert drivers.
How to Stay Up-to-Date

- Watch for message boards on the project.
- Use the VDOT 511 app.
- Dial 511 or visit the website at www.511Virginia.org.
Questions or Concerns?

- Contact VDOT Project Manager Josh Lawrence at (540) 314-6085.
- Contact Faulconer Construction Project Manager Mike Robic at (540) 585-4919.

- VDOT and Faulconer Construction have set up mobile project offices near the Iron Gate Boat Launch at the intersection of Route 220 and Route 633 (Glen Wilton Rd).
Questions welcome.

Thank you for your interest in the Route 220 Safety Improvement Project.