



## “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



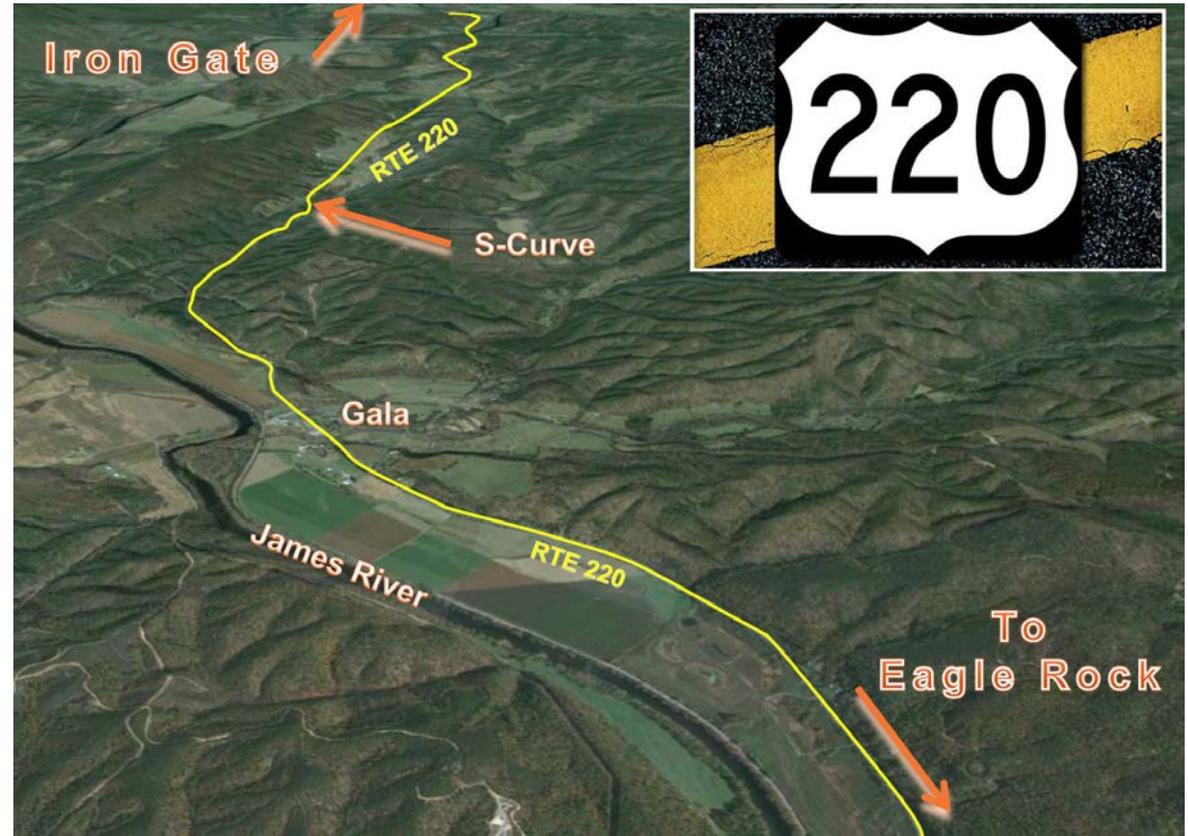
- **Robbie Williams, PE, PMP**  
District Construction Engineer; VDOT  
Senior Representative
- **Josh Lawrence, PE, CCM**  
VDOT Representative/Project Manager
- **Craig Moore, PE**  
Assistant District L&D Engineer,  
Design Project Manager
- **Monya McMichael**  
Project Inspector



- **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

## Project Overview

- Project Cost
  - ✓ \$79 million
- Overall Completion Date
  - ✓ August 31, 2021
- Design-Build Contractor
  - ✓ Falconer Construction Company

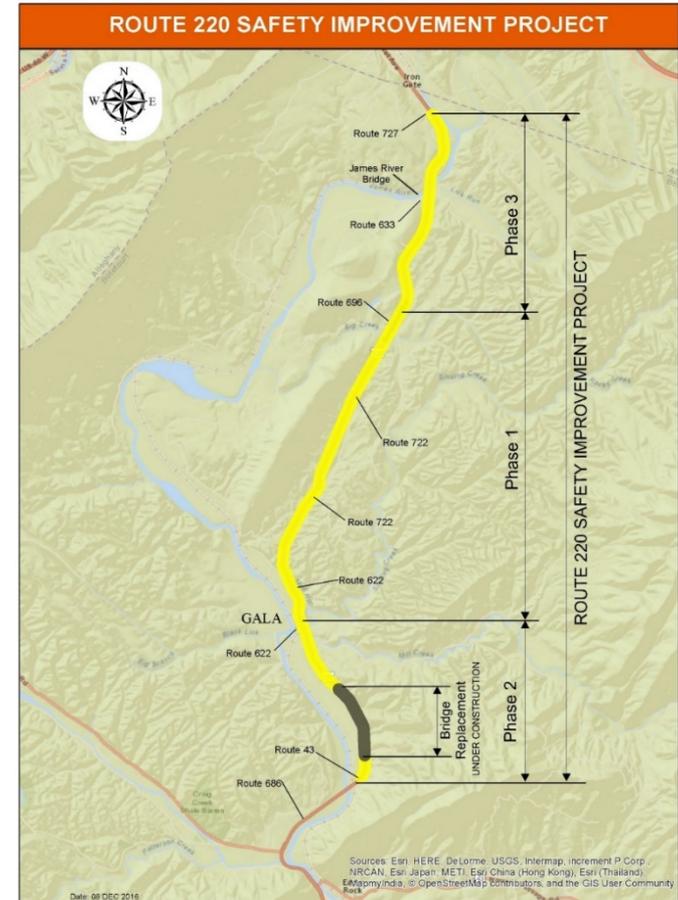


# Project Purpose and Need

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.

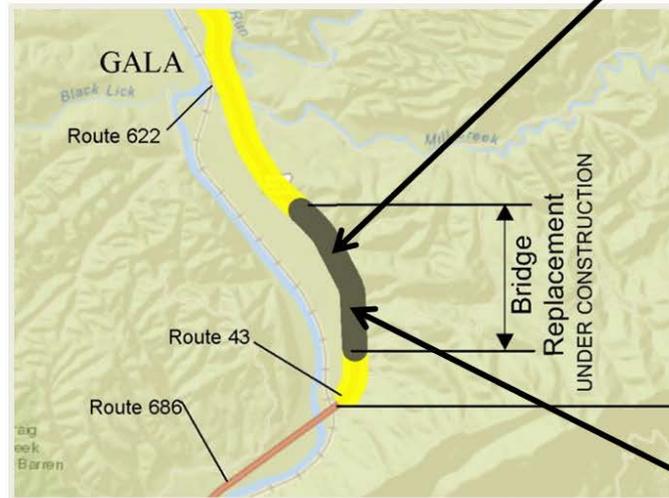
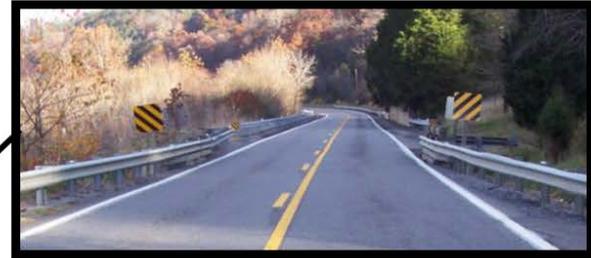
This project will improve this section of Route 220 as a two-lane road and is intended to reduce the severity and number of crashes.

- ✓ 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

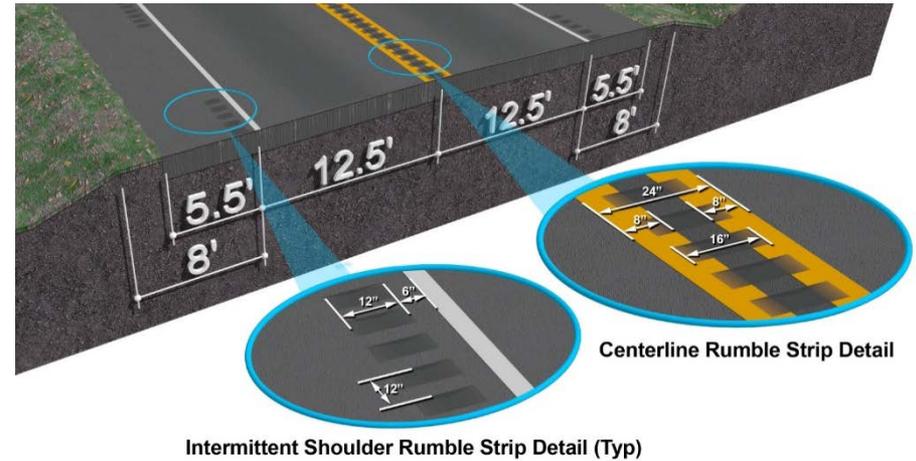


# Upgraded Two-Lane Roadway Typical Section

➤ Typical Existing Roadway Section



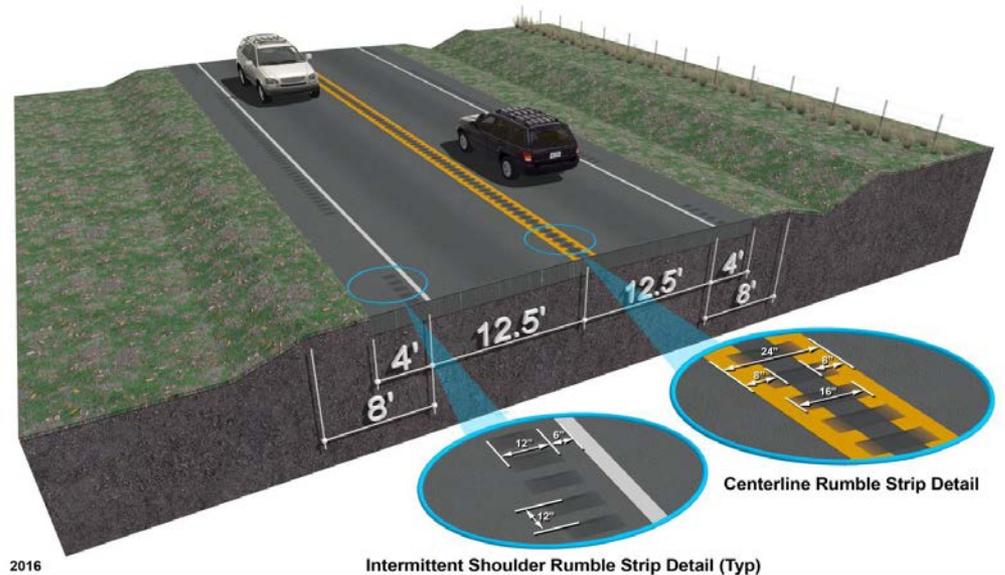
➤ Typical Upgraded Roadway Section



# 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

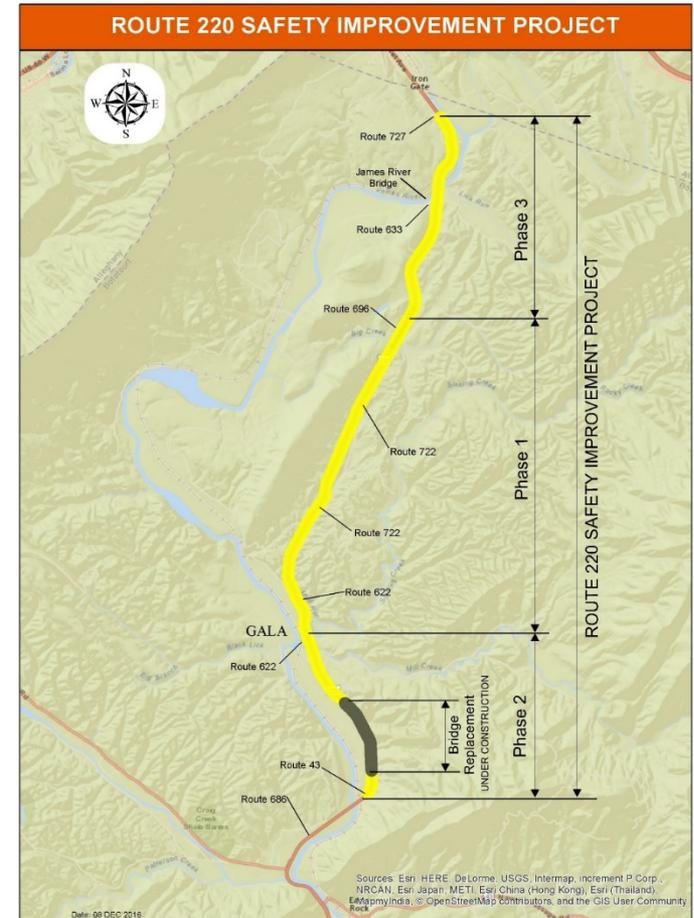
- Specific design and construction details are being developed throughout the entire process with the focus staying on delivering value to VDOT.
- ✓ Safety is our number one priority.
- ✓ Preliminary plans are set, but the designs will evolve.
- ✓ Potential challenges are uncovered early, we can adjust as necessary, and better communication keeps the job moving.
- ✓ The process helps us get the job done faster at higher quality.



# Project Phasing

## Multiple Phases will Overlap

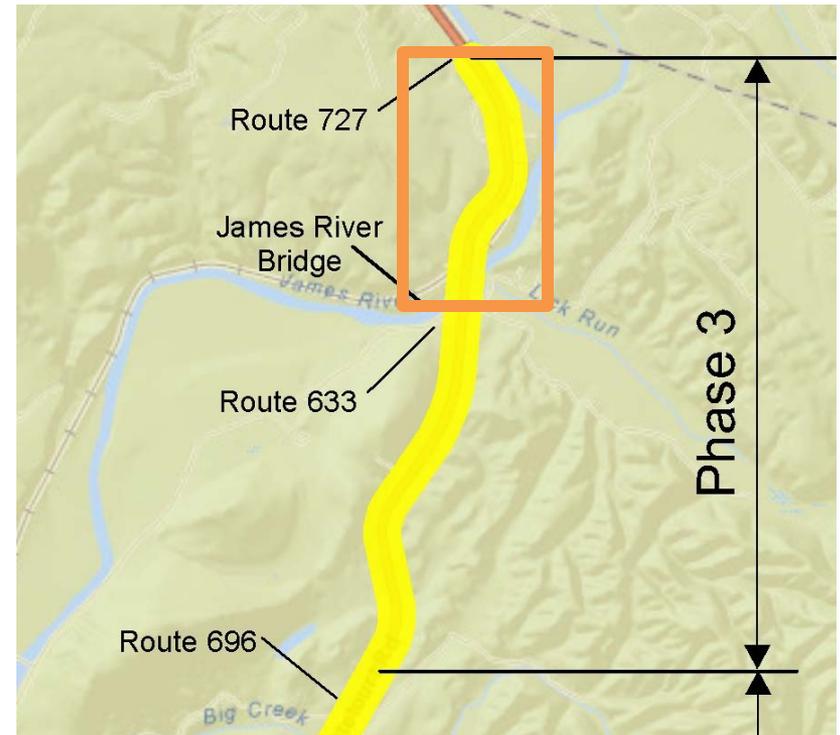
- ✓ Overall Phasing
  - Phase 3 North → Phase 1 → Phase 2 → Phase 3 South
- ✓ Phase 3 North work to begin April 2018
  - Goal is to complete Phase 3 North by end of 2018
- ✓ Start work on Phase 1 with utility relocation in summer 2018, construction estimated to begin late 2018
- ✓ Phase 2 construction 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

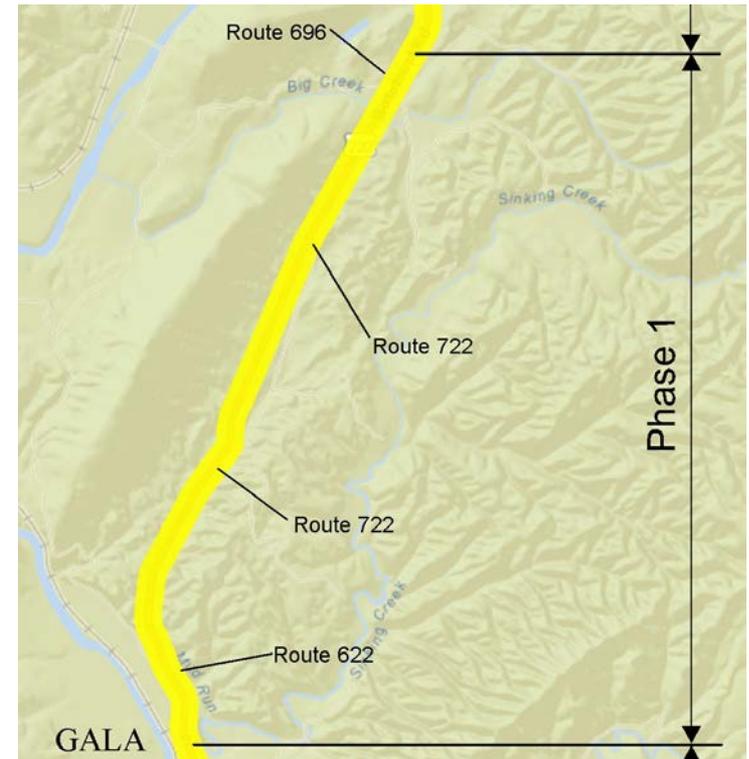


# Phase 1

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

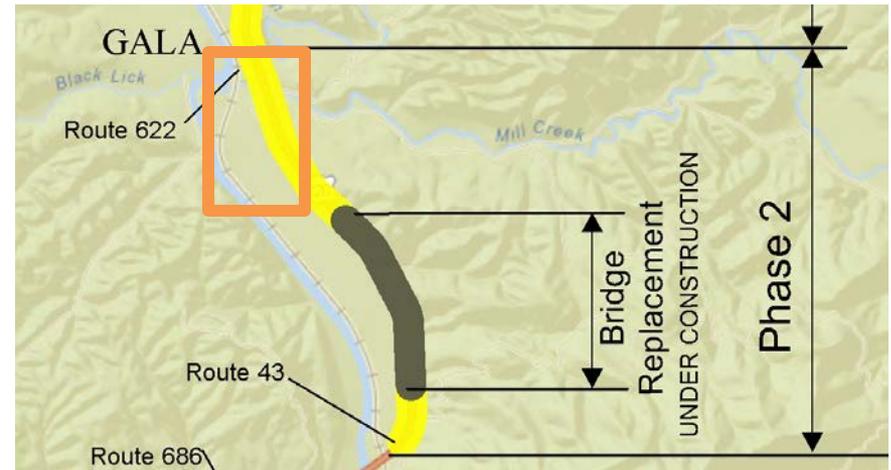


## Phase 2

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)

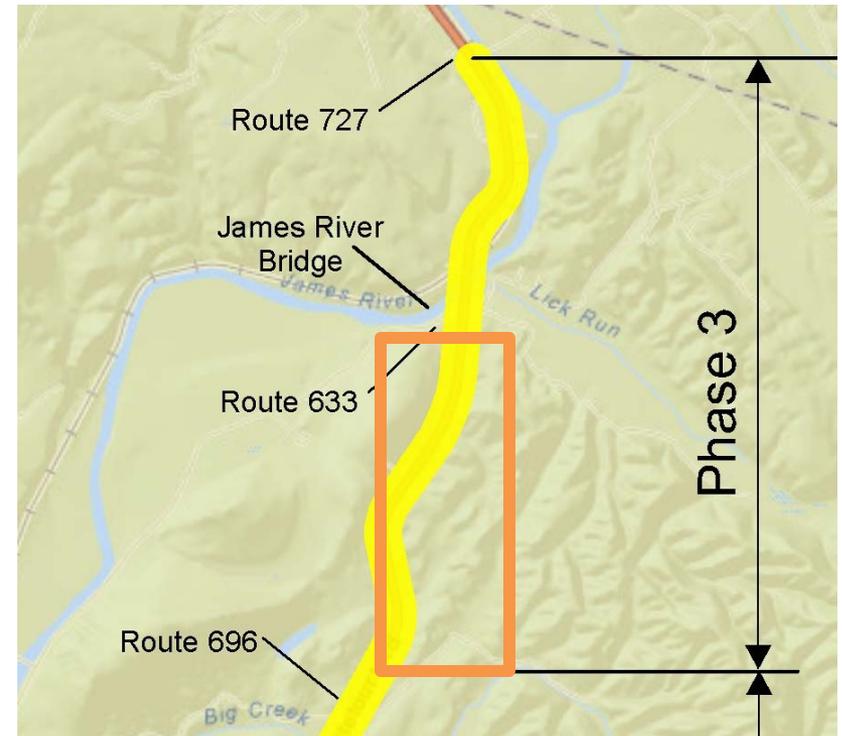


## Phase 3 South

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.



## What Construction Means to You: Temporary Signals

- 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.



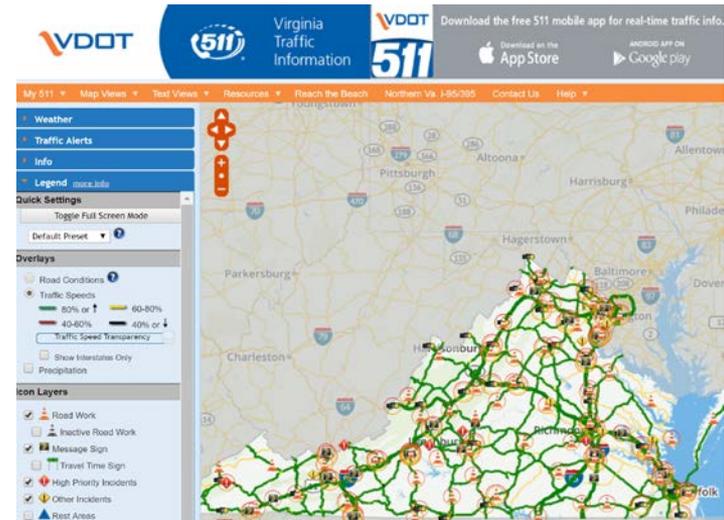
## What Construction Means to You: Noise Impacts

- 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](http://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.**