PUBLIC INFORMATION MEETING

Route 220 Safety Improvement Project

State Project Numbers: 0220-011-786
UPC: 105543
Federal Number: NH-5128(326)

February 9, 2017
Salem District
Crash Types

- Roadway Departure (43.0%)
- Animal Crashes (29.2%)
- Rear End (19.4%)
- Other (8.3%)

Traffic Data
Existing ADT: 5500 (2015)
Design Year ADT: 6200 (2038)
Percent Trucks: 7.2%
Bridge Replacement Project

- Total Estimated Cost: $9 Million
- Not included in the $79 Million
- Consistent Design
- Begin Construction: Summer 2016
- End Construction: Summer 2018

Separate Project
UPC 103210
Originally Planned to be built in three (3) phases.

- Initial Estimate: $150M
- Available Funding: $79 Million
- SMART Scale Applications did not yield additional funds
Design-Build Contracting

Route 220 Safety Improvement Project:

**Design-Build Process**

- Preliminary plans (Approximately 30%) provided to Design-Builders
- Opportunity for more innovation in design and construction techniques
- Potential to deliver more improvements within the project corridor
- Expediting design and construction to complete the project sooner
Current Project Implementation Plan

- Available Funding: $79 Million
- Re-focused effort to implement targeted safety improvements
  - Incorporated all 3 phases within $79 million budget
  - Single design-build contract for all 3 Phases

Refined the design and alignment to maximize the safety benefits within the allotted funding for this project (Phases 1, 2, and 3).
Current Project Implementation Plan

(Focused $79M on critical areas for greater overall safety benefits)

➢ Design Refinements

✓ Refined alignment based on additional investigation to minimize earthwork and exposure to pyritic material

✓ Focus realignment/reconstruction efforts from Gala to Route 696 (Phase 1) - Flatter, Straighter Alignment

✓ Maximize use of existing pavement south of Prices Bluff Road (Phase 2) and north of Buhrman Road (Phase 3)
Current Project Implementation Plan
(Focused $79M on critical areas for greater overall safety benefits)

- **Focused Intersection and Access Improvements**
  
  - **Construct Left Turn Lanes:**
    
    - Route 43
    - Route 622 (Prices Bluff Road)
    - Route 696 (Locust Bottom Road)
    - Route 696 (Buhrman Road)
  
  - **Construct Access Management at Kelly’s Market**
    
    - Remove Realignment of Route 696 Intersection
    - Removed Two-way Left Turn Lane in Gala
Current Project Implementation Plan

➢ **Typical Section**

- Providing 2-ft centerline
- Providing 4-ft paved shoulders
  - Except north of the James River Bridge (Phase 3 North)
- Providing 8-ft total shoulders in most locations

- Wider Lanes
- Paved Shoulders Throughout
- Greater Separation From Opposing Traffic
In order to maximize funds, VDOT will reduce traffic to one lane at some locations at specific times during construction.

Cost saving benefits include:
- Reduced right of way acquisition
- Reduced duration of construction work
- Less earthwork
- Less disturbance of pyritic material
- Less impact on the environment

One Lane Traffic Control may be managed by:
- Flaggers
- Pilot vehicles
- Temporary Signals

Managing one lane of traffic allows more funds for more roadway improvements on this section of Route 220.
Current Project Implementation Plan

Schedule

- Design-build Procurement is underway
- Award Contract to Design-builder: Spring 2017
- Begin Construction: Fall 2017/Spring 2018
- Construction Complete: August 2021
Route 220 Safety Improvement Project
Phases 1, 2, and 3

Please take some time to view the display boards