

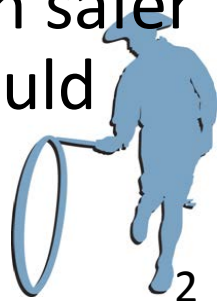
# Route 1 Safety Improvements

April 28, 2018



## Background

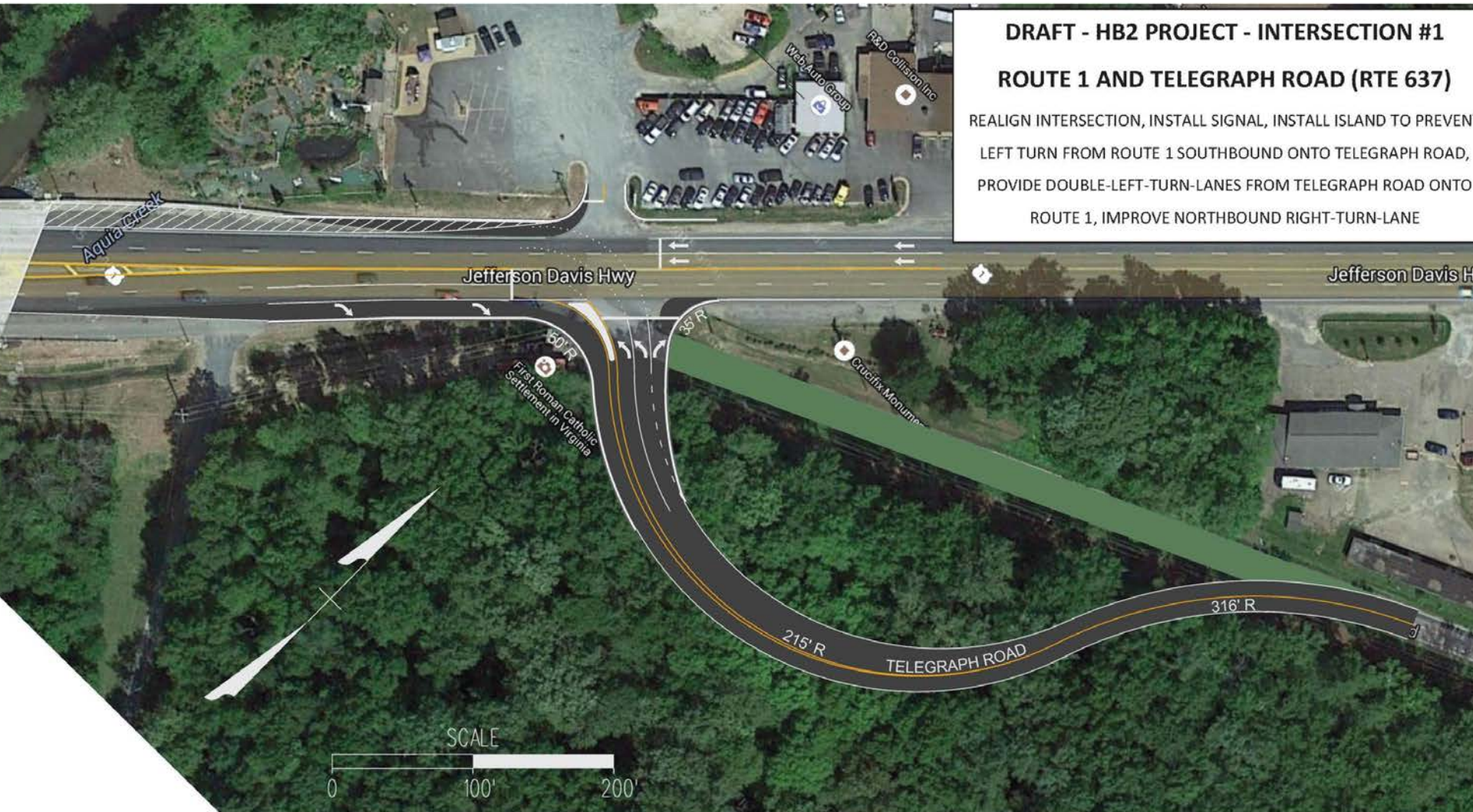
- The Board submitted a successful Smart Scale application during the first round of the program
- As a result, we were awarded \$8.8 million for safety improvements along Route 1 near Telegraph Road and Woodstock Lane
- The original project included constructing a slotted left turn lane at Woodstock Lane, with the Telegraph Road intersection becoming fully signalized
- The project would make left turn movements much safer at Telegraph Road, although the improvements would impact flood plain and wetland areas



## DRAFT - HB2 PROJECT - INTERSECTION #1

### ROUTE 1 AND TELEGRAPH ROAD (RTE 637)

REALIGN INTERSECTION, INSTALL SIGNAL, INSTALL ISLAND TO PREVENT  
LEFT TURN FROM ROUTE 1 SOUTHBOUND ONTO TELEGRAPH ROAD,  
PROVIDE DOUBLE-LEFT-TURN-LANES FROM TELEGRAPH ROAD ONTO  
ROUTE 1, IMPROVE NORTHBOUND RIGHT-TURN-LANE







## DRAFT - HB2 PROJECT - INTERSECTION #2

### ROUTE 1 AND WOODSTOCK LANE (RTE 639)

REALIGN INTERSECTION, INSTALL SOUTHBOUND LEFT-TURN-LANE

INSTALL MEDIAN (SLOTTED-LEFT) TO PREVENT LEFTS-OUT FROM

CONNECTING ROADWAYS, IMPROVE NORTHBOUND RIGHT-TURN-LANE,

GUINNS LANE CONNECTION/ENTRANCE (RI/RO) TO BE DETERMINED

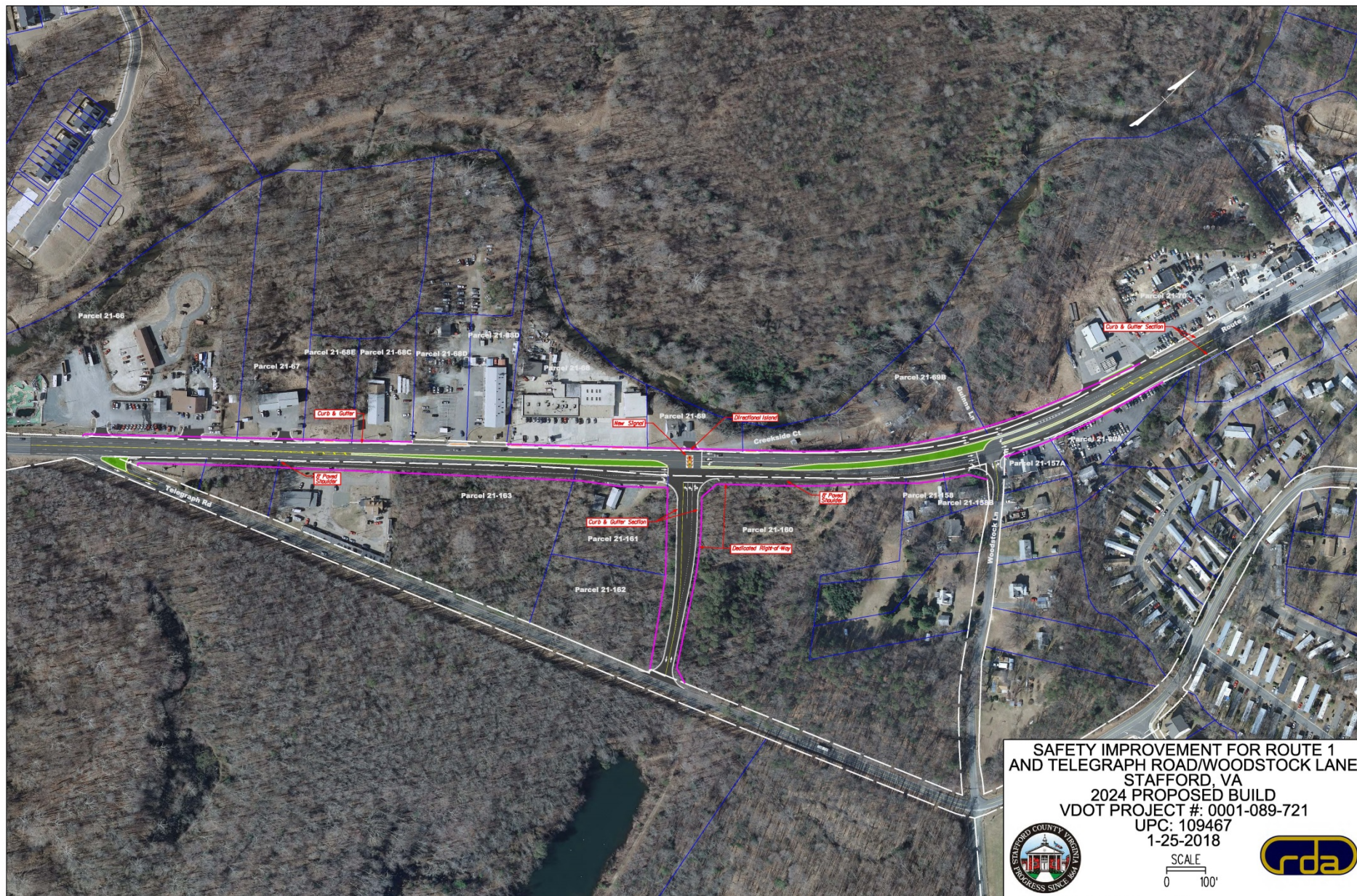
NOTE: FUTURE SIGNAL OPTIONAL

## Amended Project

- Following this award, the owner of Parcel #21-160 offered to donate right of way for the project if a new, fully signalized intersection was constructed across their property
- The benefit to the property owner would be to enhance development potential of this B-2 zoned parcel
- In addition to the potential for commercial development, relocation of the signalized intersection would offer multiple advantages over the original concept
  - Improve signal spacing in the area
  - Reduce costs associated with right of way acquisition and utility relocation
  - Eliminate wetland and flood plain impacts
  - Provide motorists with a better access alternative than Woodstock Lane
- The County funded a study that determined traffic operation along Route 1 would not be negatively affected by the modified concept









## VDOT Central Office Review

- The Infrastructure Investment Division with the VDOT Central Office reviewed the proposed change and offered provisional approval provided the Board make certain commitments
  1. The public involvement process is completed, and comments, if any, have been addressed
  2. Include access enhancements along Route 1, and apply cost savings to these modifications
  3. Fund any cost overruns without requesting additional state funds
- Staff has advertised a public hearing for this evening to address Commitment #1
- The concept submitted for VDOT review included a concrete median to address Commitment #2, and we will investigate whether a two-way left turn lane can be incorporated within budget limits
- Staff believes the reduced right of way acquisition and utility relocation requirements, and improved constructability will ensure the project cost doesn't increase above the awarded amount



## Staff Recommendation

- Following the opportunity for public input requested by VDOT, staff recommends these commitments be provided by approving Resolution R18-98





# Route 1 Safety Improvements

Questions?

