

# Mount Cross Road Corridor Analysis Summary Report

May 16, 2017

# Meeting Agenda

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Study Area

Purpose

Existing and Future Conditions Overview

Summary of Recommendations

Public Response

# Mount Cross Study Area

- Minor arterial, 35 mph posted
- Serves ~9,000 vehicles per day
- Big box and small retail
- Provides local and regional access



# Purpose of the Overall Study

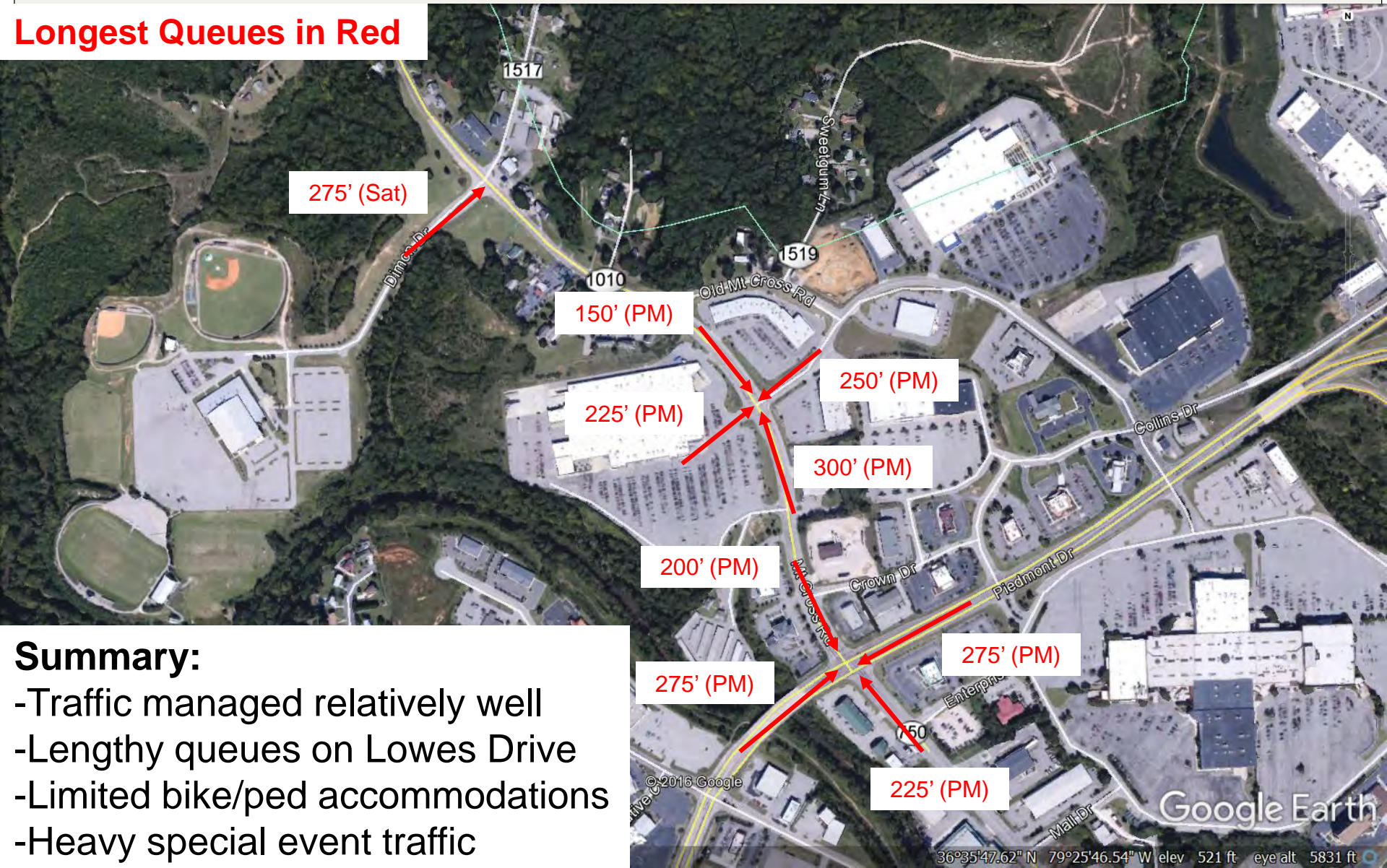
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- Complement on-going efforts
- Analyze existing and future conditions
- Provide multimodal recommendations (weekday and special event)
- Engage stakeholders and the community
- Support funding applications and implementation



# Existing Conditions Review

## Longest Queues in Red



## Summary:

- Traffic managed relatively well
- Lengthy queues on Lowes Drive
- Limited bike/ped accommodations
- Heavy special event traffic

# Future Conditions Scenarios

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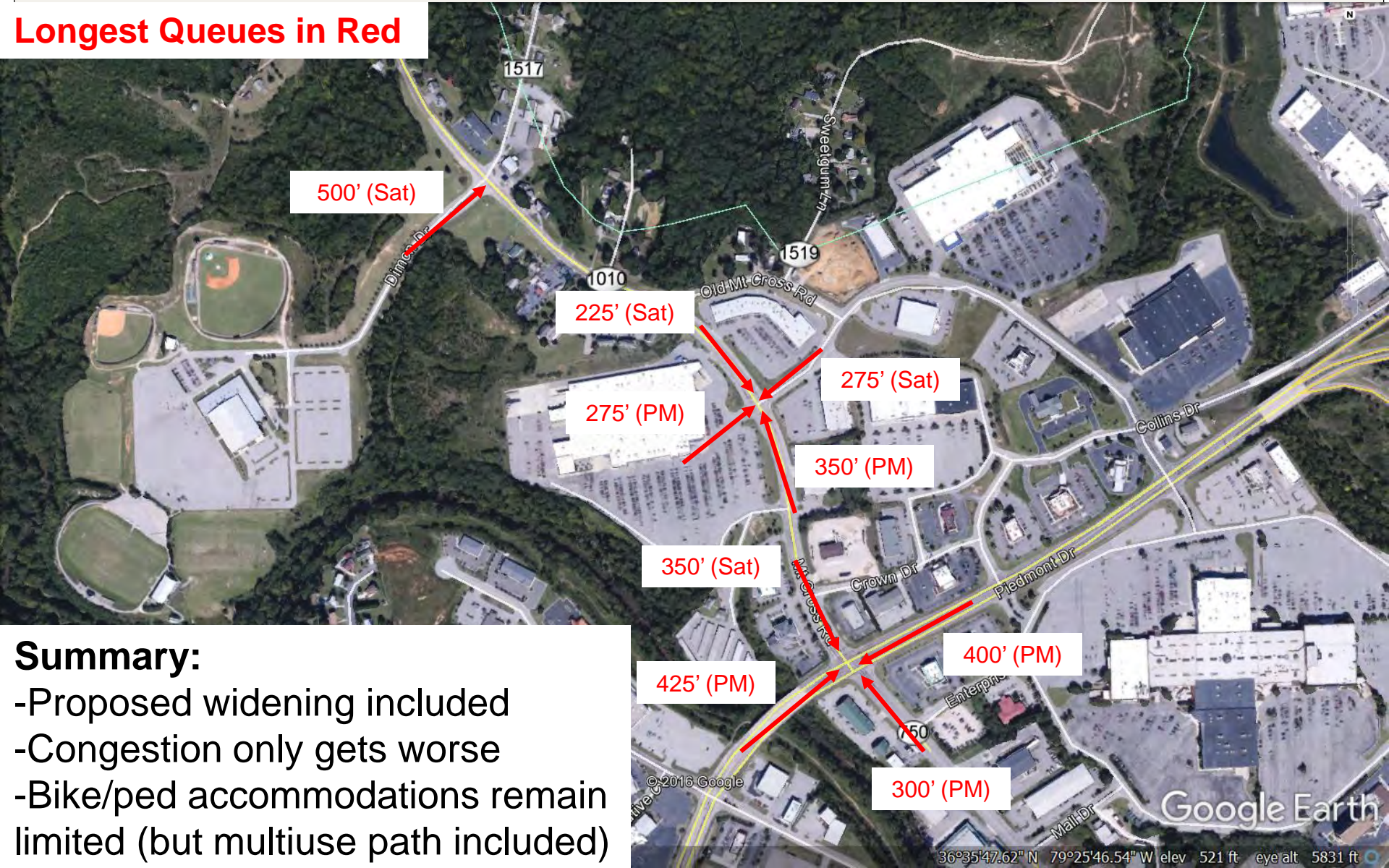
Two future scenarios were tested:

- **Regular Scenario:** applies growth rate (1.0%) to background traffic, then overlays special event traffic as counted
- **More Intense Scenario:** regular scenario, plus a 100% increase in special event traffic
  - Purpose is to provide an upper limit design scenario



# Future Conditions Review

## Longest Queues in Red



## Summary:

- Proposed widening included
- Congestion only gets worse
- Bike/ped accommodations remain limited (but multiuse path included)

# Improvement Recommendations

## *Summary*

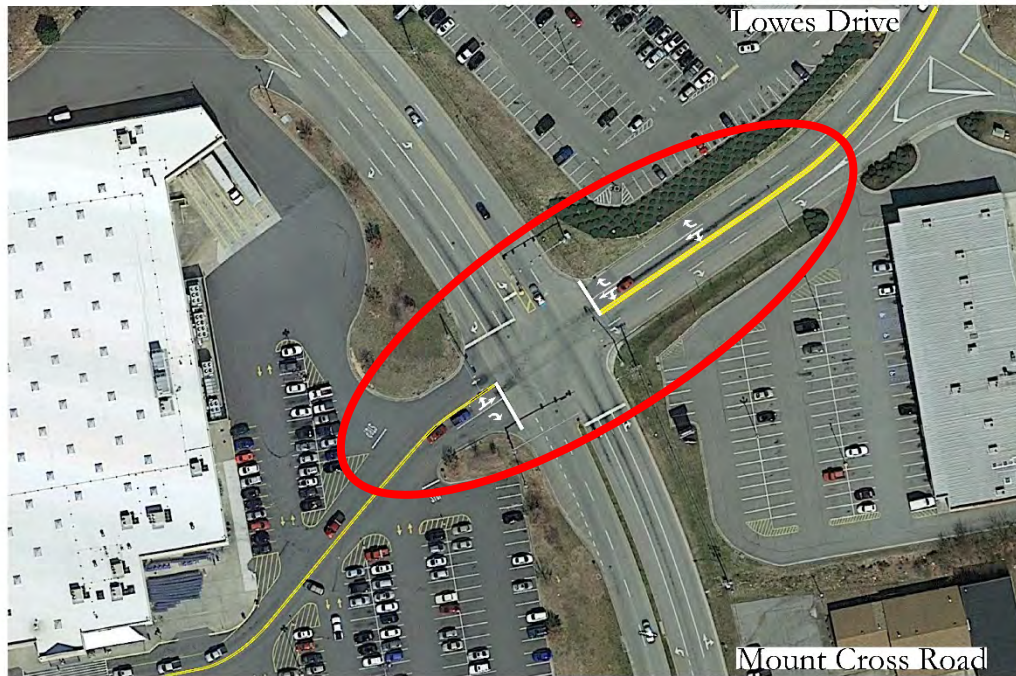
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- Intersection modification at Lowes Drive / Walmart
- Transit considerations
- Roundabout at Dimon Drive / Park Road W
- Other considerations



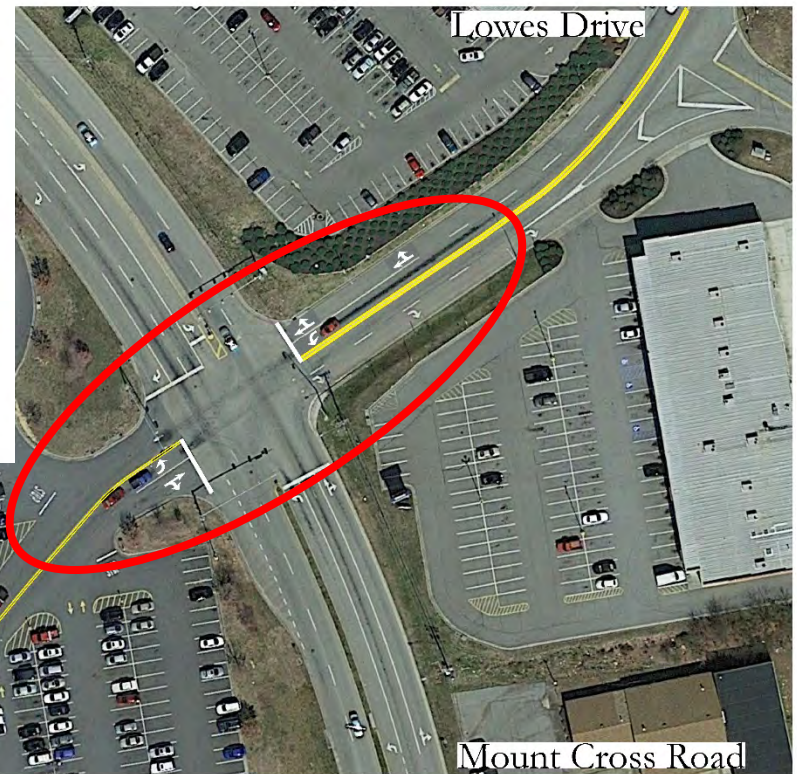
# Intersection Modification at Lowes Drive / Walmart

## Existing



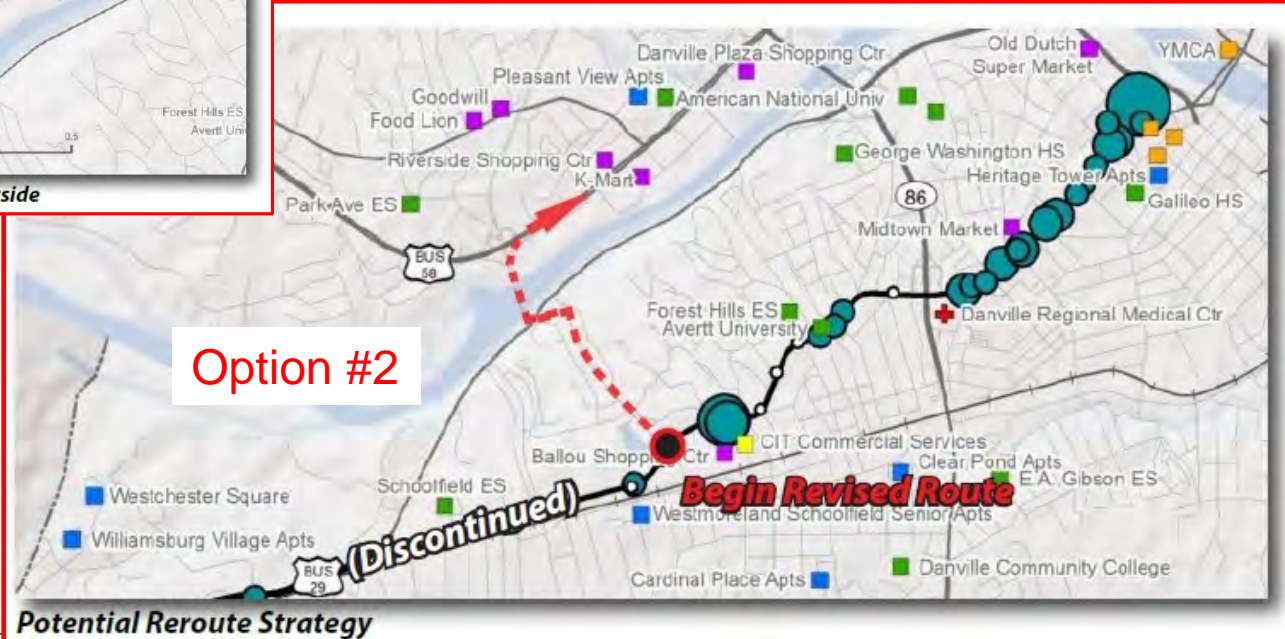
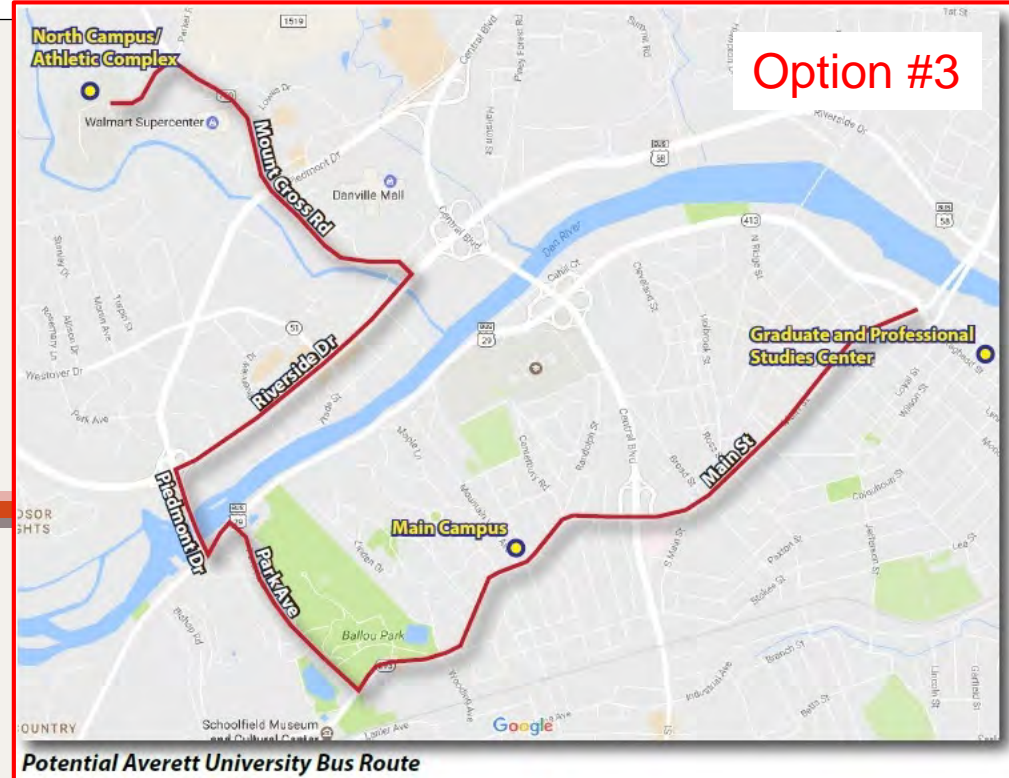
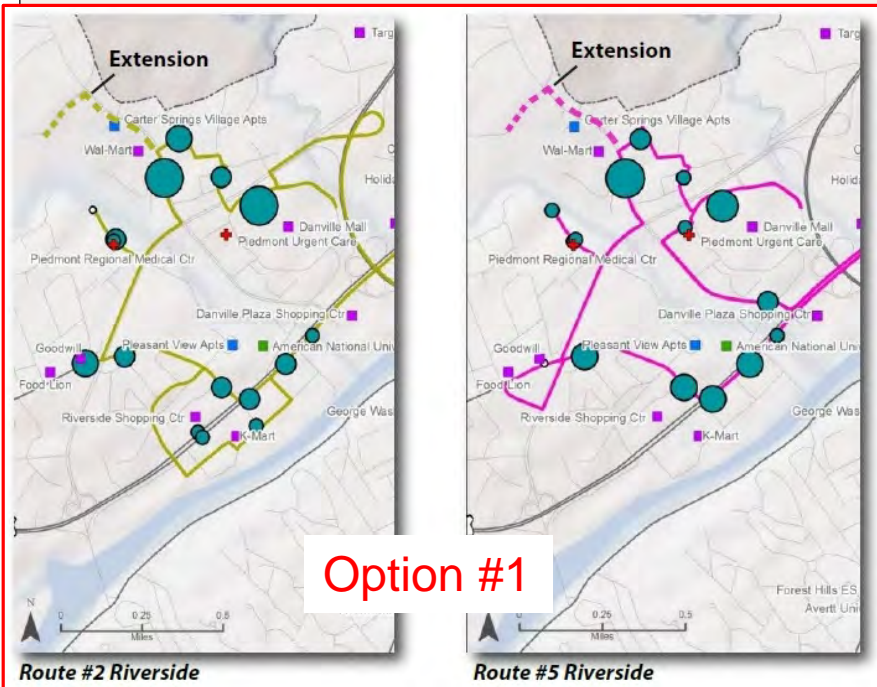
\*Would require coordination with Walmart reps.

## Proposed





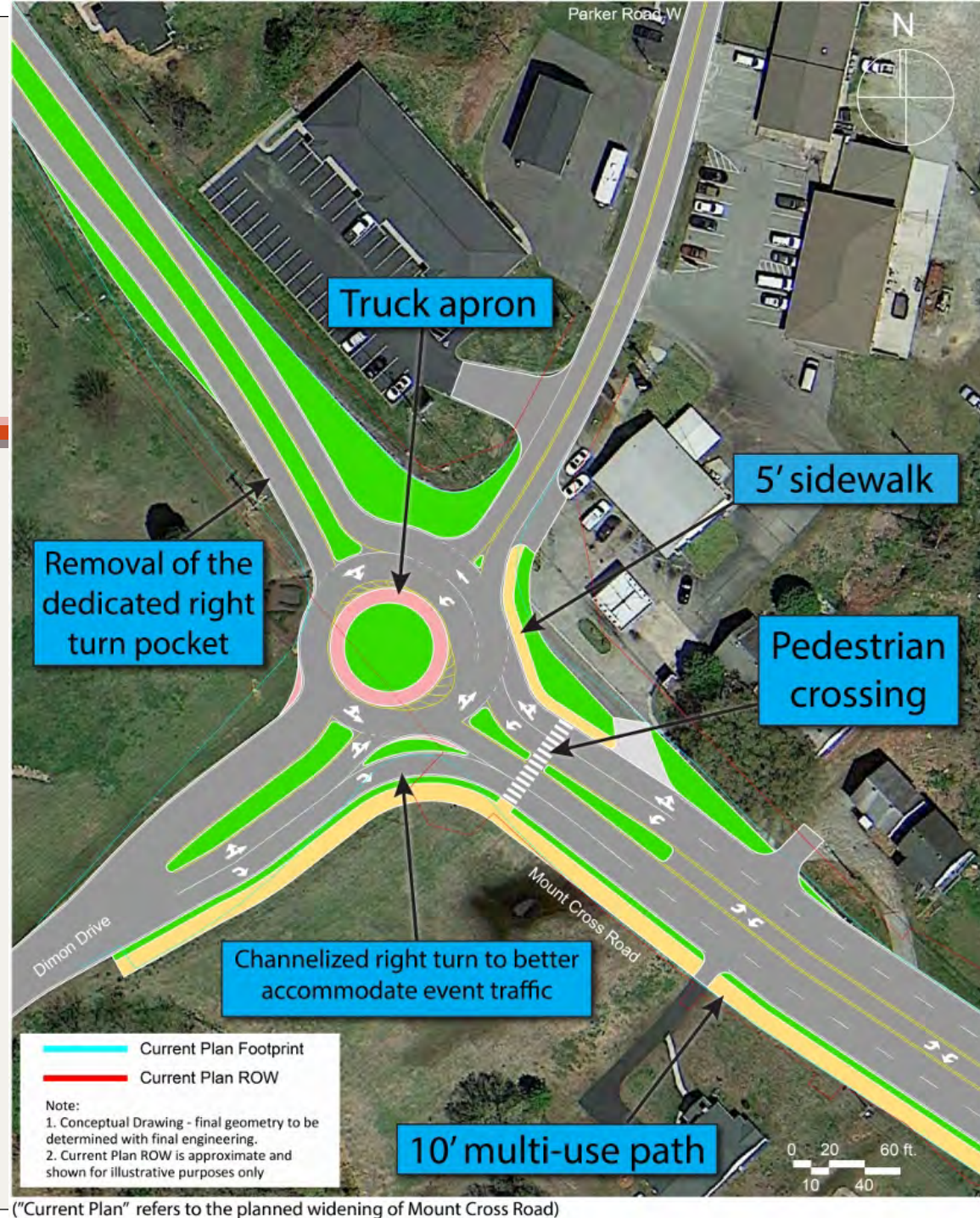
# Transit Considerations





# Roundabout at Dimon Drive / Parker Road W

- Traffic signal would not be warranted
- Better manages event traffic
- Safer and provides a traffic calming measure





# Other Considerations

## Multiuse Trails



## Special Event Management Techniques

- variable message board
- expand bus routes
- install a roundabout
- special event signal plans



## Area-wide Pedestrian Assessment

# Public Meeting Summary

## April 19, 2017

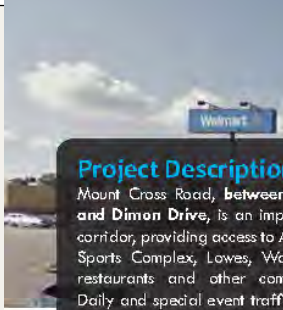
### 3:30 – 6:30 PM

### Athletic Complex


- Open house with ~15 attendants, plus local news agencies
- 10 written comments received
- Roundabout was the primary focus
- Majority supported the concepts
- Some raised concern over understanding and use of the roundabout

### COMMUNITY MEETING


#### Mount Cross Road Corridor Study - Danville, VA



**Project Description**  
Mount Cross Road, between Piedmont Drive and Dimon Drive, is an important commercial corridor, providing access to Averett University's Sports Complex, Lowes, Walmart, and many restaurants and other commercial interests. Daily and special event traffic during the week and weekends has increased, in addition to walking and bicycling. This Corridor Study will compliment ongoing planning efforts and identify improvements for better access to sporting events associated with the Sports Complex, as well as balance transportation needs of local residents and businesses, and regional traffic through the City of Danville.



Are you comfortable driving, walking, and biking along Mount Cross Road?  
Are you a transit user?  
What are your transportation priorities?



Potential roundabout at Mount Cross Road and Dimon Drive


### Please Join Us!

**Wednesday, April 19, 2017**  
3:30 - 6:30 PM  
Averett University North Campus (Athletic Complex)- Grant Center  
707 Mount Cross Road, Danville, VA

Open house starts at 3:30 PM. Format will include presentation boards and interactive workshops.

### Your views are important!

**You're Invited!**  
Learn about the study.  
Review preliminary ideas and concepts.  
Share improvement ideas.



Sponsored by the Danville-Pittsylvania MPO/West Piedmont Planning District Commission, City of Danville, Virginia Department of Transportation (VDOT), and the Federal Highway Administration (FHWA)



# Mount Cross Road Corridor Analysis

Questions?

Thank you!

**EPRPC**

Traffic • Transportation • Stormwater • Civil