



Route 3 Arterial Management Plan









January 13, 2016







- Spotsylvania County
- Virginia Department of Transportation
- National Park Service
- Michael Baker International
- YOU!







Meeting Agenda



- Purpose of Study
- Brief Review of Previous Public Meeting
- Future Conditions
- Recommendations
- Providing Your Input
- Next Steps

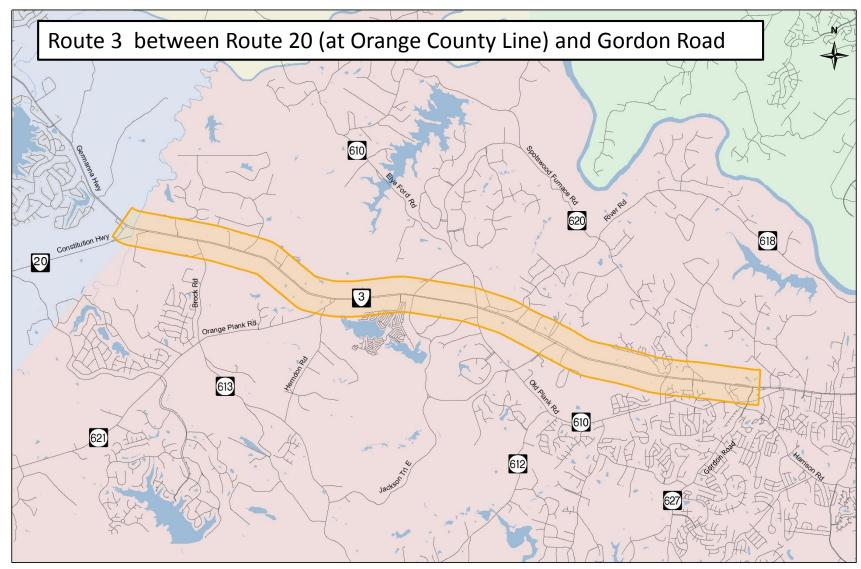






Study Corridor













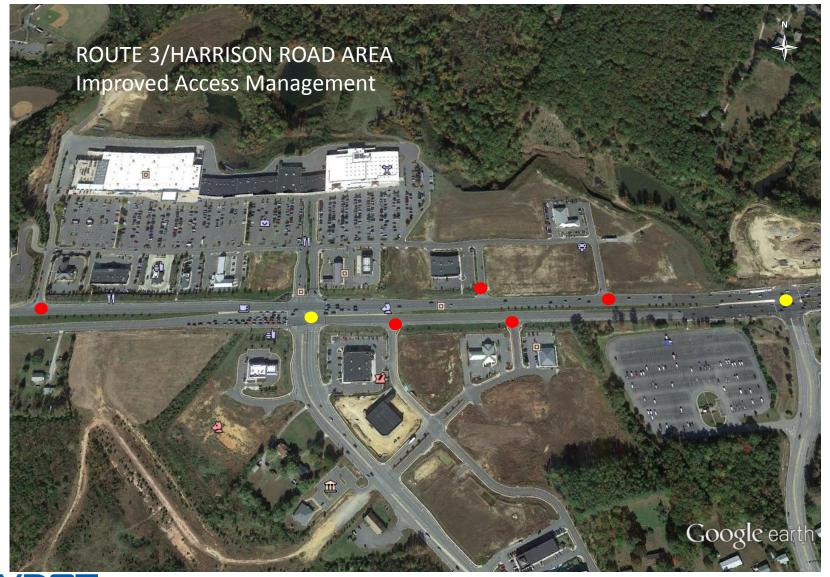














Purpose of Arterial Management Plan Michael Pilot Study



Purpose:

To ensure the safety and preserve the capacity of the Commonwealth's arterial highway network without wide scale road widenings while accommodating economic development and being sensitive to historic resources.

Project Vision

Develop a joint state and local strategy to guide development and transportation decisions along Route 3 between Gordon Road and the Orange County line.





Purpose of Arterial Management Plan Michael Bake Pilot Study

Project Goals

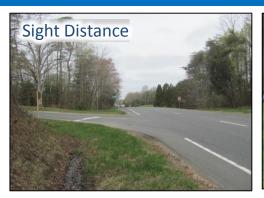
- Develop a streamlined and repeatable Arterial Management Plan (AMP) process.
- Address differing needs of local and visitor traffic, while enhancing safety and cultural values of the historic properties in and around the battlefields.





Review of Existing Conditions

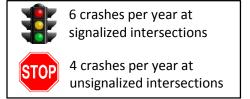












Crash Rate for RURAL Route 3 (west of Andora Dr.)

85

Crash Rate for URBAN Route 3 (east of Andora Dr.)

183

National Average

National Average

120

Crash Rates are per 100 million vehicle miles traveled
Distance from Andora Drive to Gordon Road is approx. 1.3 miles



	Roadway	Number of Access Points	Access Points Per Mile	Per VDOT Spacing Guidelines	
				Compliant	Non- Compliant
	Route 3	222	25	111	111

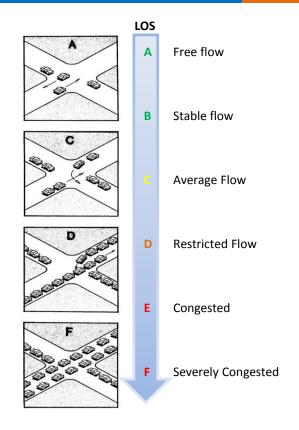




Existing Conditions – Traffic Data



INTERSECTION		Peak Hour LOS	
Number	er Name		PM
1	1 Constitution Hwy / Route 3		D
2	Fox Gate Drive / Route 3	Α	А
3	Brock Road / Route 3	В	В
4	Black Meadow Rd / Route 3	Α	А
5	Orange Plank Rd / Route 3	С	Α
6	Wilderness Road / Route 3	Α	Α
7	Stuart Rd / Bullock Rd / Route 3	Α	А
8	Elys Ford Rd / Route 3	Е	Е
9	River Road / Route 3	Α	Α
10	Nine Mile Run Dr / Route 3	Α	Α
11	11 McLaws Dr / Route 3		А
12	12 Andora / Corter Avenue/ Route 3		С
13	13 Big Ben /Spotswood Furnace / Route 3		D
14	14 Harrison Rd / Route 3		D
15	15 Gordon Rd / Route 3		С



- AM peak hour = 7:00-8:00 AM
- PM peak hour = 4:45-5:45 PM
- Average speeds generally exceed speed limit slightly throughout the corridor except between Harrison Road and Gordon Road
- Adjacent land uses generate approx.
 100,000 trips per day
- Average Daily Traffic 23,000 to 41,000 vehicles per day
- Truck % varies from 2% to 8%





Future Conditions – Land Use

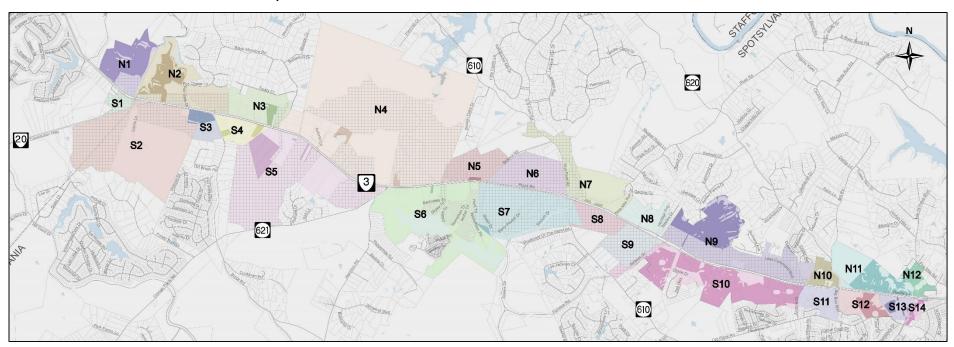


Future Land Use

- Coordination with County Staff
- Spotsylvania County Comprehensive Plan
- Planned and Approved Developments
- Zoning Maps
- Ordinances
- Historic Preservation / Connections

Total Assumed New Development

- Commercial: 376,000 sq. ft. = **29,664 Trips**
- Industrial: 20,000 sq. ft. = **139 Trips**
- Office: 709,000 sq. ft. = **8,067 Trips**
- New Dwelling Units: 2,078 = **19,790 Trips**
- Other: 265,000 sq. ft. = 2,474 Trips
 Total Additional Trips = 60,134







Toolbox of Recommendations

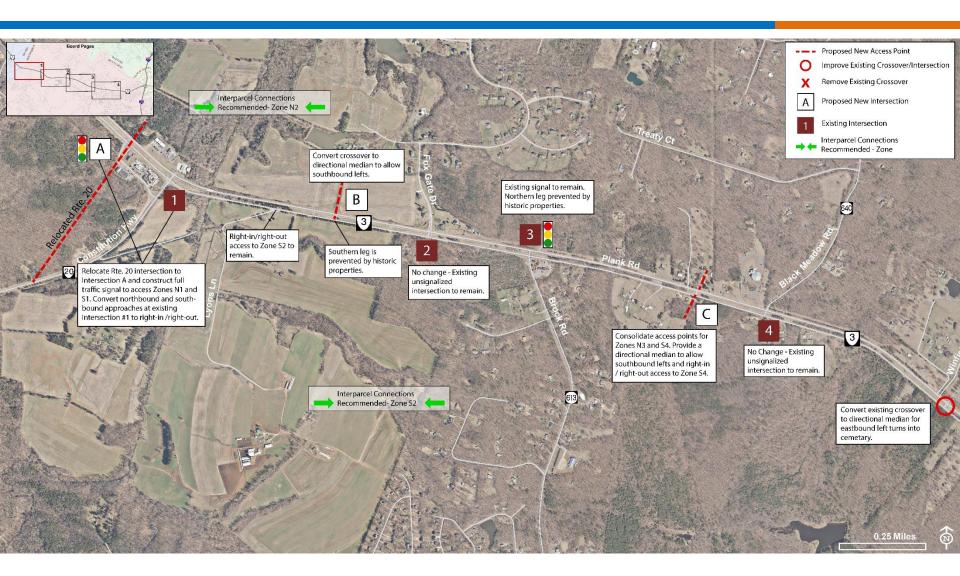


- Remove existing crossover (due to inadequate spacing/grade/etc.)
- Upgrade existing crossover to meet VDOT standard
- Convert existing crossover to directional left-turn lane
- Upgrade / modify traffic signal to handle increased traffic
- Install new traffic signal based on increase traffic from developments
- Consolidate existing access points
- Provide interparcel connections in lieu of multiple access points on Rte. 3



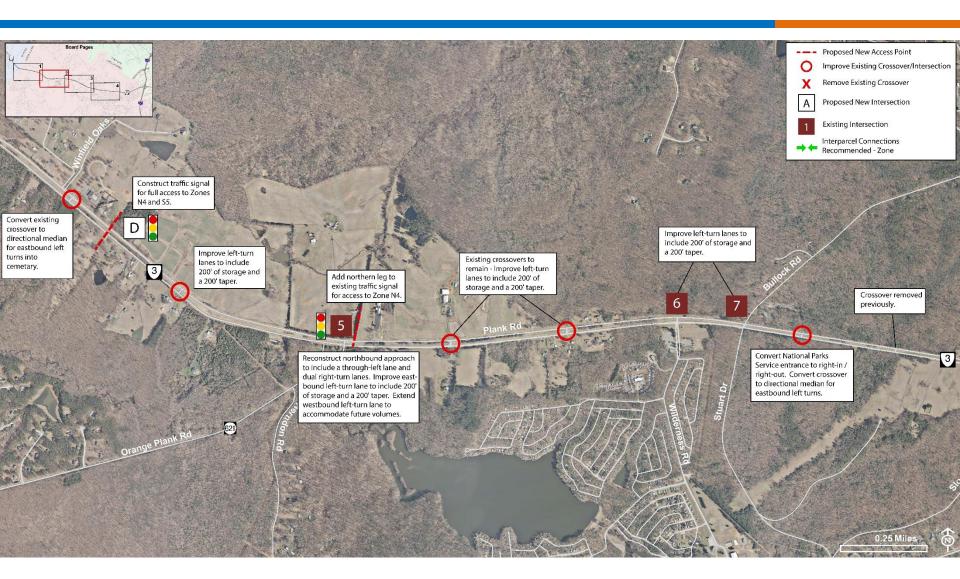








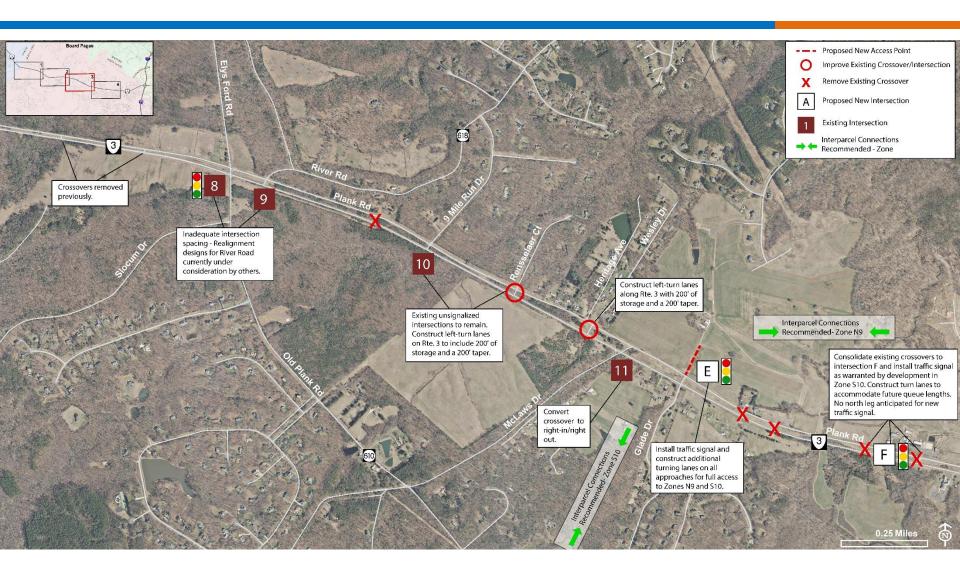






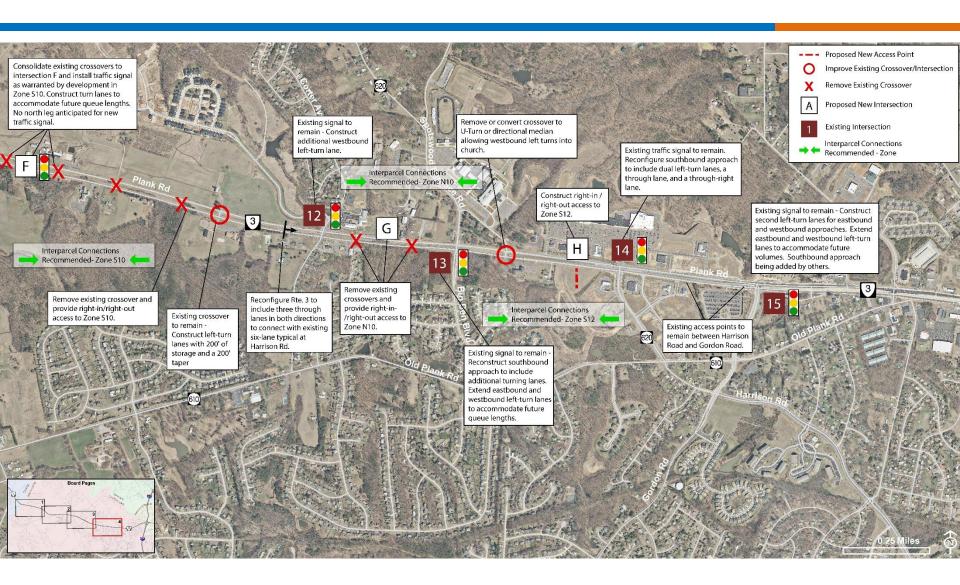












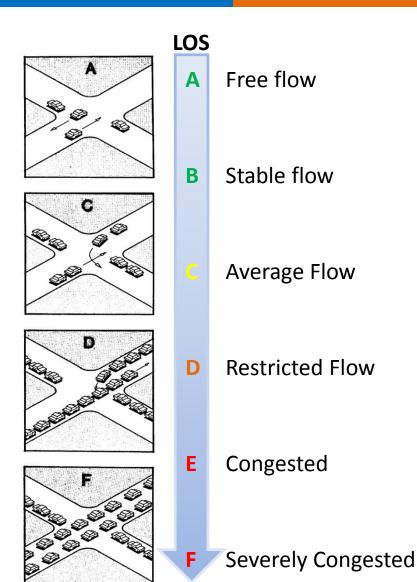




Year 2040 - Traffic Operations after Recommendations









Traffic Operations



Existing and Year 2040 w/ Recommendations

Existing Conditions

Existing Conditions					
	INTERSECTION		Peak Hour LOS		
Number	Name	AM	PM		
		N/A	N/A		
1	Constitution Hwy / Route 3	С	D		
		N/A	N/A		
2	Fox Gate Drive / Route 3	Α	Α		
3	Brock Road / Route 3	В	В		
		N/A	N/A		
4	Black Meadow Rd / Route 3	Α	Α		
		N/A	N/A		
5	Orange Plank Rd / Route 3	С	Α		
6	Wilderness Road / Route 3	Α	Α		
7	Stuart Rd / Bullock Rd / Route 3	Α	Α		
8	Elys Ford Rd / Route 3	Е	Е		
9	River Road / Route 3	Α	Α		
10	Nine Mile Run Dr / Route 3	Α	Α		
11	McLaws Dr / Route 3	Α	Α		
		N/A	N/A		
		N/A	N/A		
12	Andora / Corter Avenue / Route 3	D	С		
13	13 Big Ben / Spotswood Furnace / Route 3		D		
14	Harrison Rd / Route 3	С	D		
15	Gordon Rd / Route 3	С	С		

2040 After Recommendations

	INTERSECTION		Peak Hour LOS	
Number	Name	AM	PM	
Α	Zone N1 / Route 20/ Route 3	С	С	
1	1 Constitution Hwy / Route 3 B Zone N2 / Route 3		А	
В			Α	
2	Fox Gate Drive / Route 3	Α	С	
3	Brock Road / Route 3	В	В	
С	Zone N3 / Zone N4 / Route 3	Α	А	
4	Black Meadow Rd / Route 3	Α	Α	
D	Zone N4 / Zone N5 / Route 3	В	В	
5	Orange Plank Rd / Route 3	С	D	
6	Wilderness Road / Route 3	Α	А	
7	Stuart Rd / Bullock Rd / Route 3	Α	А	
8	Elys Ford Rd / Route 3		TBD	
9	River Road / Route 3	TBD	TBD	
10	Nine Mile Run Dr / Route 3	Α	А	
11	11 McLaws Dr / Route 3		А	
E	Zone N9 / Glade Rd / Route 3	D	D	
F	F Zone S10 / Route 3 12 Andora / Corter Avenue / Route 3 13 Big Ben / Spotswood Furnace / Route 3		D	
12			D	
13			D	
14	Harrison Rd / Route 3	D	Е	
15	15 Gordon Rd / Route 3		Е	





Study Update & Next Steps



Next Steps

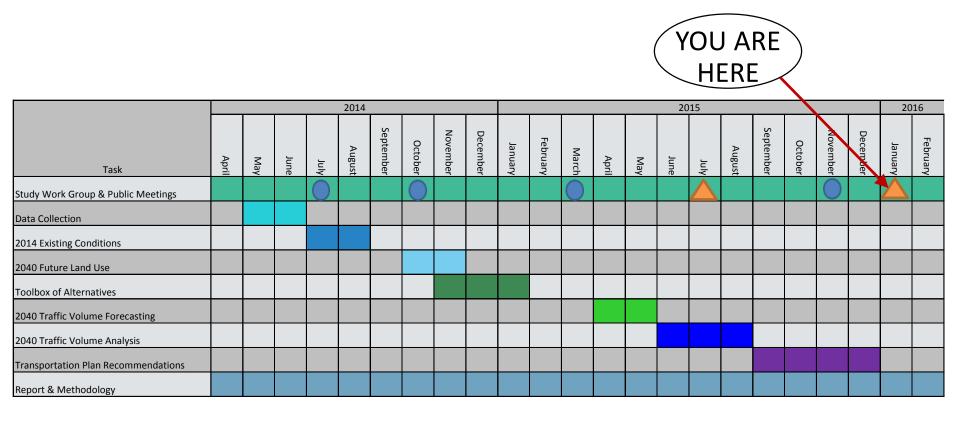
- Submit Final Report
- Seek Adoption of Plan by Board of Supervisors





Schedule







Indicates Public Meeting
Indicates Working Meeting





Questions?





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