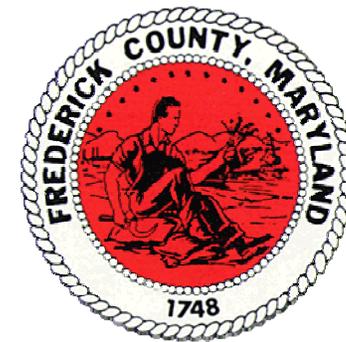


Public Informational Meeting

US 15/Monocacy Boulevard Interchange and Motter Avenue/Opossumtown Pike Bridge Replacement

November 16, 2010



- Welcome from Dave Coyne
SHA District 7 Engineer
- US 15 and Hayward Road Status Update
- US 15 & Monocacy Boulevard Overview
- Motter Avenue Bridge Replacement
Overview
- General Project Questions
- Display Boards & Workshop

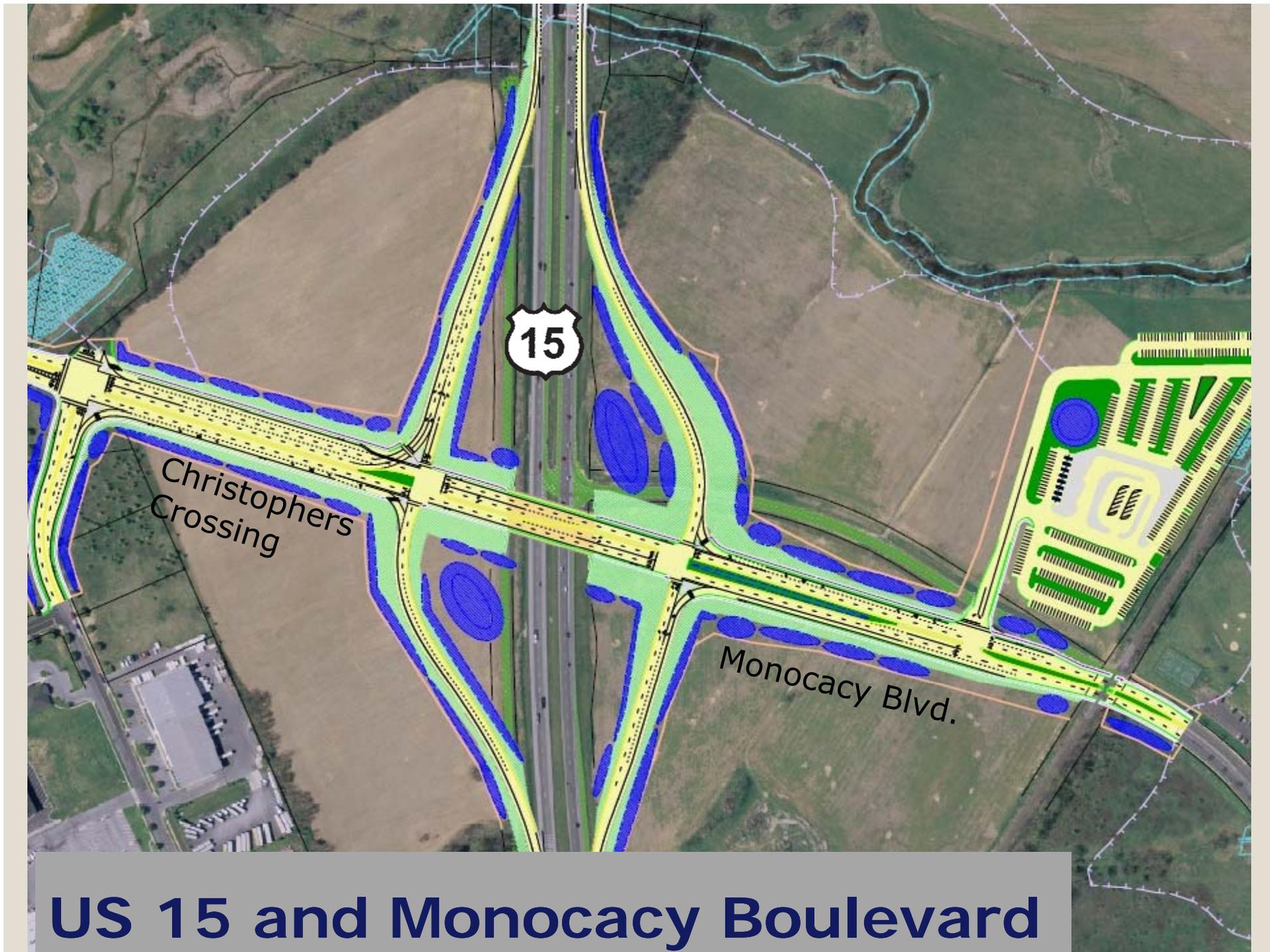
Introductions & Agenda



- Challenges met with team approach
- Overview of interim enhancements
- Status of interim geometric improvement project

US 15 & Hayward Rd. Interim Improvements





US 15 and Monocacy Boulevard

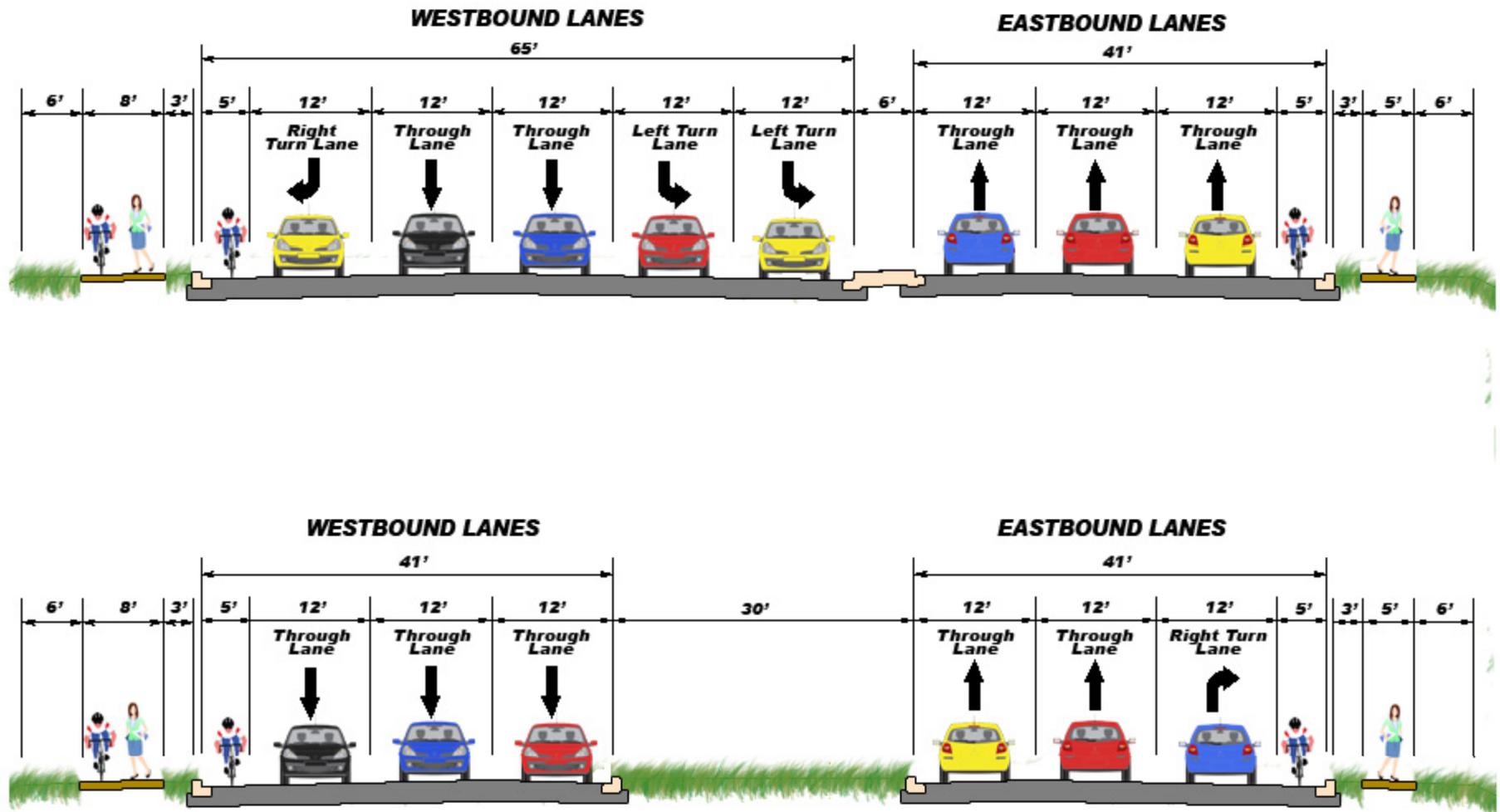


- Safety Enhancement
 - Eliminate at-grade intersections at:
 - Hayward Road
 - Monocacy Boulevard
 - Willow Road (become right-in/right-out only)
- Capacity Improvement
 - Traffic Forecasts for 2030
 - Local Development and Growth
 - Fort Detrick Growth
- Accommodate Planned Development
 - Potential for Public/Private Partnerships

Purpose & Need



Typical Sections for Monocacy Blvd./Christophers Crossing





- Full Diamond Interchange
- Signals at ramp terminals, Thomas Johnson Drive, and railroad crossing
- Continuous lighting on Monocacy Boulevard/Christophers Crossing
- ADA-compatible five foot wide sidewalks
- Five foot wide bicycle lanes
- Eight foot wide hiker/biker trail
- Park & Ride with over 257 spaces (design for future expansion to 468)

Design Features





Intersection	AM Peak		PM Peak	
	LOS	Delay (Sec)	LOS	Delay (Sec)
Christophers Crossing at Thomas Johnson Drive	C	24	B	17
Southbound Ramp Terminal	C	26	C	24
Northbound Ramp Terminal	B	13	C	21
Monocacy Boulevard at Park & Ride	A	5	A	7

Level of Service (2030)





Milestone	Commitment
Project Design Initiation	Dec. 8, 2009
Preliminary Field Investigation (30%)	June 16, 2010
ROW Meeting	August 2010
Utility Meeting	December 2010
Semi-Final Review (65%)	December 2010
Final Review (95%)	July 2011
PS&E Submission (100%)	November 2011
Right of Way Clear	December 2011
Advertise to Contractors	March 2012
Notice to Proceed	June 2012
Open to Traffic	Fall 2014

Milestones in Red are dependent on ROW & Construction funding by Dec. 2010

Schedule





Phase	Estimate	Funded	Unfunded
Engineering	\$4.3M	\$4.8M	(\$0.5M)
Right of Way*	\$14M	\$ -	\$14M
Construction	\$67M to \$72M	\$ -	\$67M to \$72M
Utilities	\$1.0M	\$ -	\$1.0M
Total	\$86M to \$91M	\$4.8M	\$81M to \$86M

*Right of way assumes all in fee without donations.

Project Cost Estimates





**MOTTER AVENUE / OPOSSUMTOWN
PIKE**

**BRIDGE REPLACEMENT
AND
ROADWAY IMPROVEMENTS**







- **Functional Obsolescence**
 - Existing bridge width does not meet design standards
 - No shoulders on bridge
 - Sidewalk widths are sub-standard
- **Structurally Deficient**
 - Existing bridge deck has advancing deterioration
 - Bridge deck was repaved as a holding measure
 - Support elements showing signs of deterioration
- **Congestion**
 - Associated ramps and roadways experience capacity issues

Purpose & Need



- Complete bridge replacement with center turn lane and merge lane for US 15 northbound ramp traffic
- Improvements along northbound US 15 ramp from US 15 to Motter Avenue
- ADA-compliant crosswalks and sidewalks to improve pedestrian safety
- Continuous right turn lanes along Motter Avenue / Opossumtown Pike from US 15 to Thomas Johnson Drive to improve traffic flow

Proposed Improvements





- Intersection improvements at Opossumtown Pike and Thomas Johnson Drive
- Reconstruction and interconnection of all traffic signals to improve safety and traffic flow

Proposed Improvements



- Pedestrian traffic will be maintained at all times using a temporary pedestrian bridge and dedicated pedestrian path
- Existing four through lanes on Motter Avenue bridge to be maintained
- Existing through lanes on US 15 to be maintained



Construction Considerations





Milestone	Commitment
Project Design Initiation	Complete
Preliminary Field Investigation (30%)	Complete
Utility/ROW Meeting	Complete
Semi-Final Plans (65%)	Complete
Final Review (95%)	January 2011
PS&E Submission (100%)	July 2011
Right of Way Clear	March 2012
Advertise to Contractors	September 2011
Notice to Proceed	March 2012
Open to Traffic	Spring 2014

Milestones in Red are dependent on funding

Schedule



- Please sign in to be placed on the mailing lists
- Comment cards are available on the back table



Thank You

