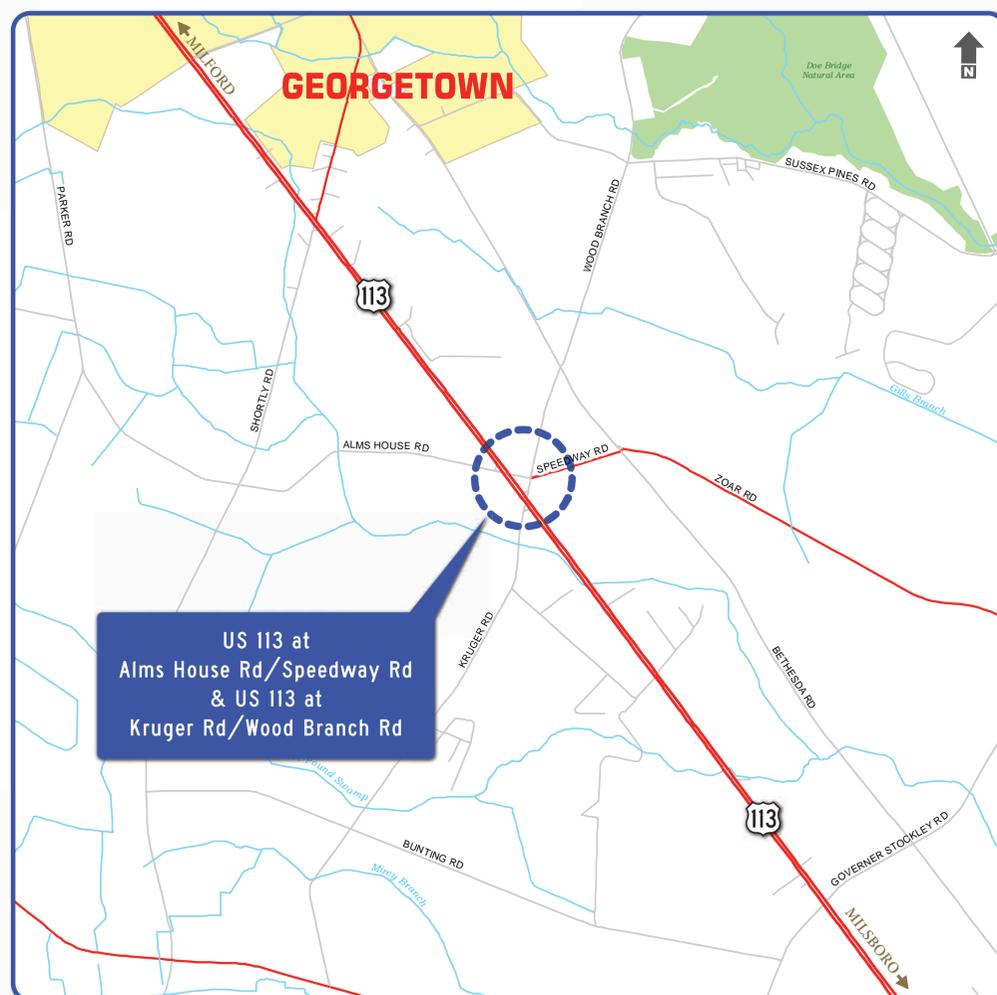


SAFETY IMPROVEMENTS WORKSHOP

Welcome to the

US 113 at Alms House Rd/Speedway Rd & US 113 at Kruger Rd/Wood Branch Rd Safety Improvements Workshop

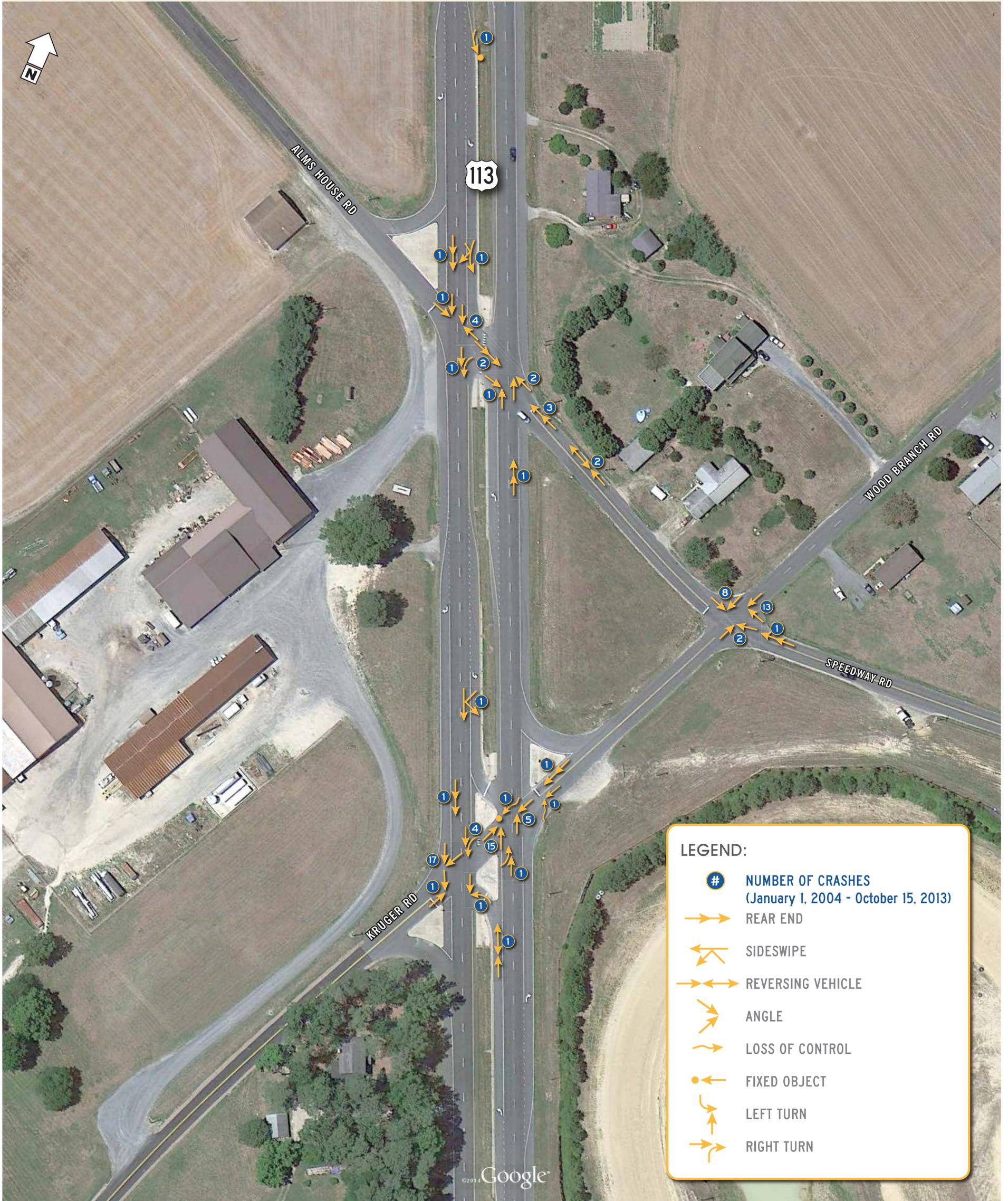
- Purpose: To present safety improvements at US 113 at Alms House Road/Speedway Road and Kruger Road/Wood Branch Road
- The intersections were identified as part of DeIDOT's 2008 Hazard Elimination Program as having high crash rates
- Safety improvements were identified and implemented in 2013 and 2014
- DeIDOT continues to monitor crash data and is considering additional safety improvements
- Your comments and input will be considered as DeIDOT evaluates additional safety improvements



SAFETY IMPROVEMENTS WORKSHOP

Crash History - Before Improvements

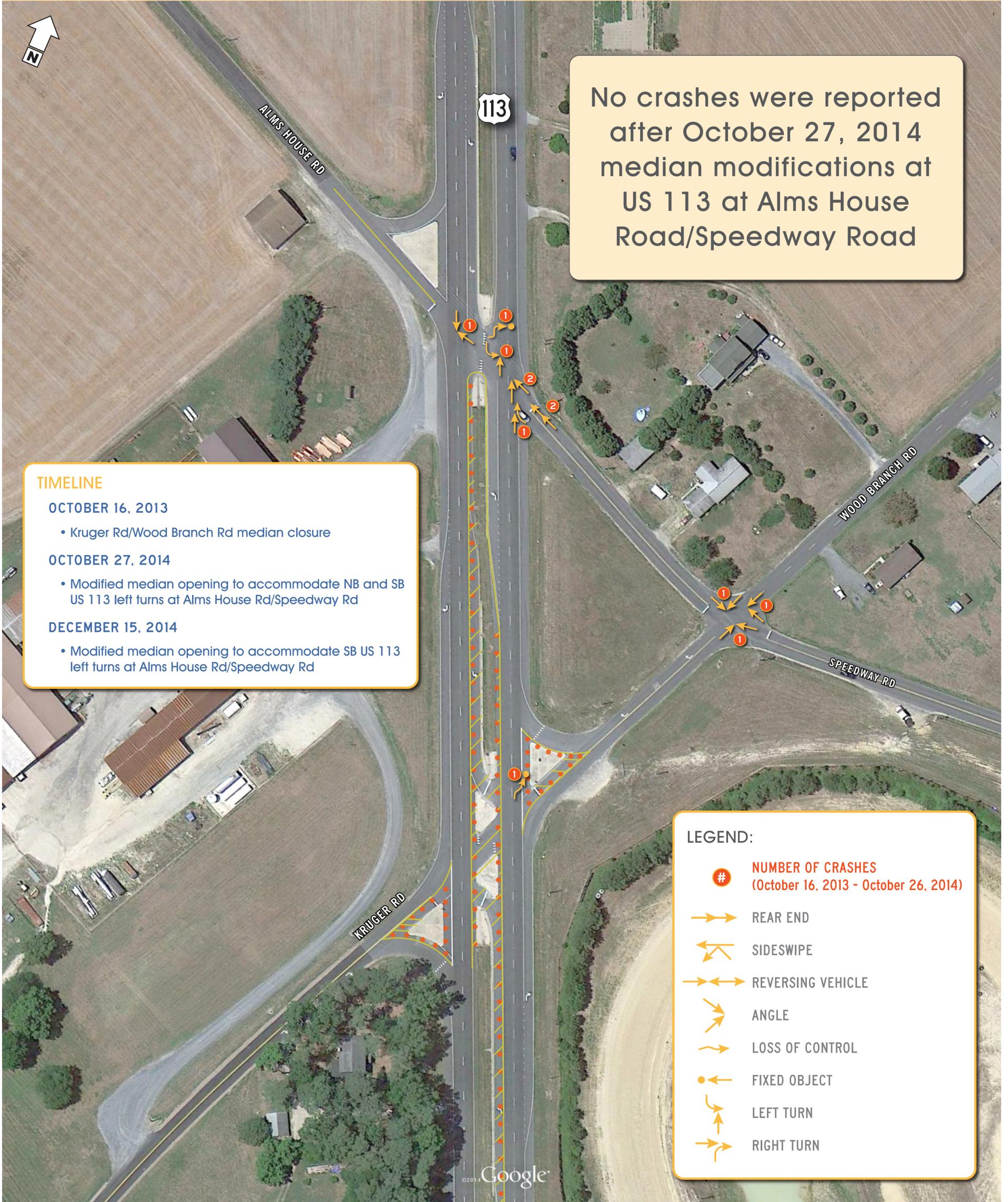
January 1, 2004 - October 15, 2013 (9.8 years)



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Crash History - After Improvements

October 16, 2013 - October 26, 2014 (1.0 year)



No crashes were reported after October 27, 2014 median modifications at US 113 at Alms House Road/Speedway Road

TIMELINE

OCTOBER 16, 2013

- Kruger Rd/Wood Branch Rd median closure

OCTOBER 27, 2014

- Modified median opening to accommodate NB and SB US 113 left turns at Alms House Rd/Speedway Rd

DECEMBER 15, 2014

- Modified median opening to accommodate SB US 113 left turns at Alms House Rd/Speedway Rd

LEGEND:

- #** NUMBER OF CRASHES (October 16, 2013 - October 26, 2014)
- REAR END
- ↔ SIDESWIPE
- ↔ REVERSING VEHICLE
- ↘ ANGLE
- ↘ LOSS OF CONTROL
- FIXED OBJECT
- ↘ LEFT TURN
- ↘ RIGHT TURN

SAFETY IMPROVEMENTS WORKSHOP

2012 Peak Hour Volumes (Before Improvements)



2015 Peak Hour Volumes (After Improvements)



00 AM Peak - 7:15 AM - 8:15 AM

(00) PM Peak - 3:45 PM - 4:45 PM

Options Considered**Option 1 - Full Traffic Signal at US 113 at Kruger Road/Wood Branch Road****US 113 at Alms House Road/Speedway Road:**

- Close median opening
- Maintain right-in/right-out for minor street approaches

US 113 at Kruger Road/Wood Branch Road:

- Permit all movements at the intersection
- Install full traffic signal

Option 2A - Full Traffic Signal at US 113 at Alms House Road/Speedway Road**US 113 at Alms House Road/Speedway Road:**

- Permit all movements at the intersection
- Install full traffic signal

US 113 at Kruger Road/Wood Branch Road:

- Maintain median closure
- Maintain right-in/right-out for minor street approaches

Option 2B - Half Traffic Signal at US 113 at Alms House Road/Speedway Road**US 113 at Alms House Road/Speedway Road:**

- Maintain northbound US 113 left-turn prohibition; accommodate southbound US 113 left turns
- Maintain right-in/right-out for minor street approaches
- Install half traffic signal; southbound US 113 through traffic is unrestricted

US 113 at Kruger Road/Wood Branch Road:

- Maintain median closure
- Maintain right-in/right-out for minor street approaches

Option 3A - Maintain Current Configuration**US 113 at Alms House Road/Speedway Road:**

- Maintain northbound US 113 left-turn prohibition; accommodate southbound US 113 left turns
- Maintain right-in/right-out for minor street approaches

US 113 at Kruger Road/Wood Branch Road:

- Maintain median closure
- Maintain right-in/right-out for minor street approaches

Option 3B - Maintain Current Configuration with Permanent Improvements**US 113 at Alms House Road/Speedway Road:**

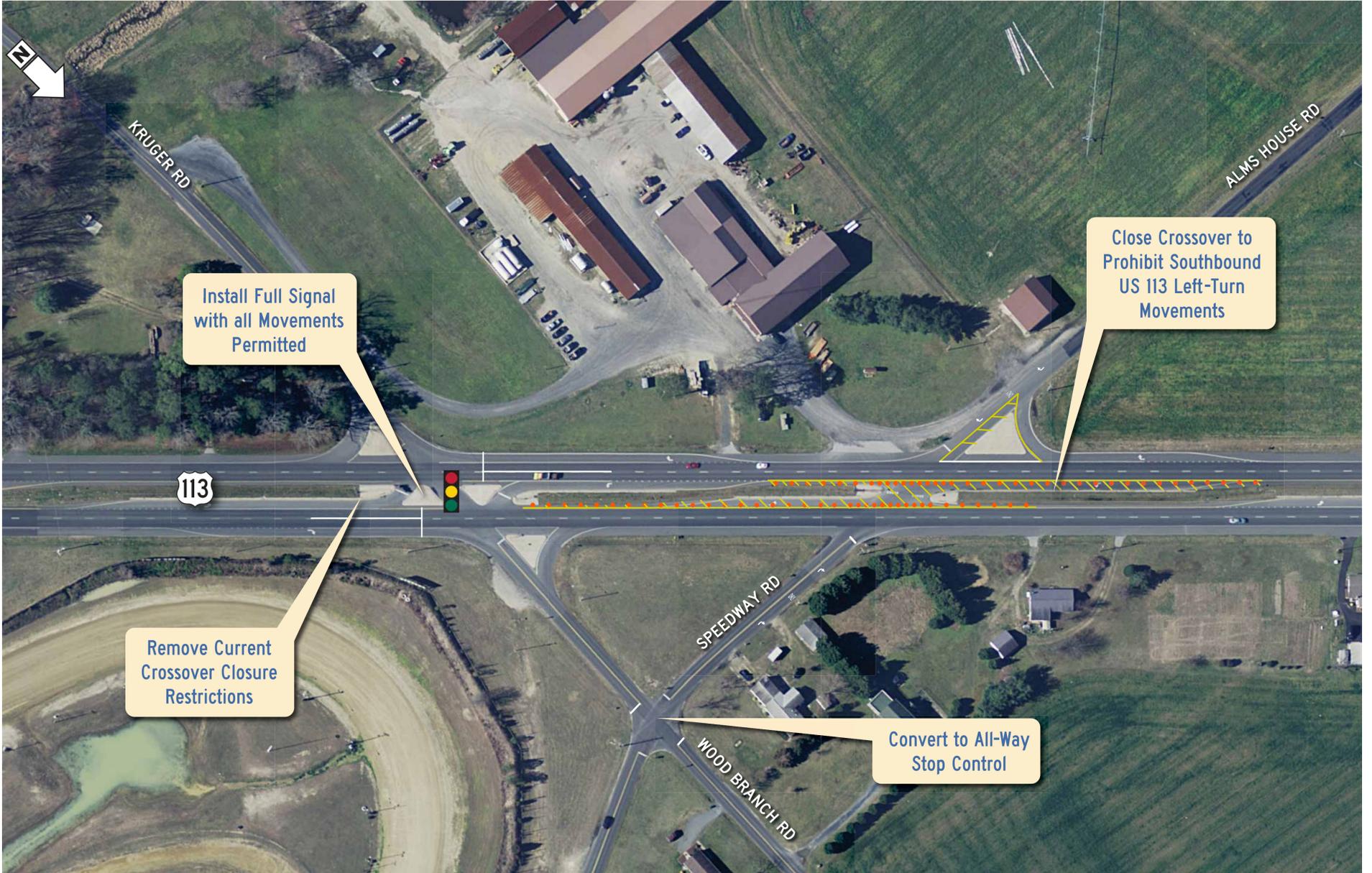
- Remove the northbound US 113 left-turn lane; install grass median
- Widen the median opening on US 113 north of intersection to better accommodate U-turns

US 113 at Kruger Road/Wood Branch Road:

- Install grass median
- Widen the median opening on US 113 south of intersection to better accommodate U-turns

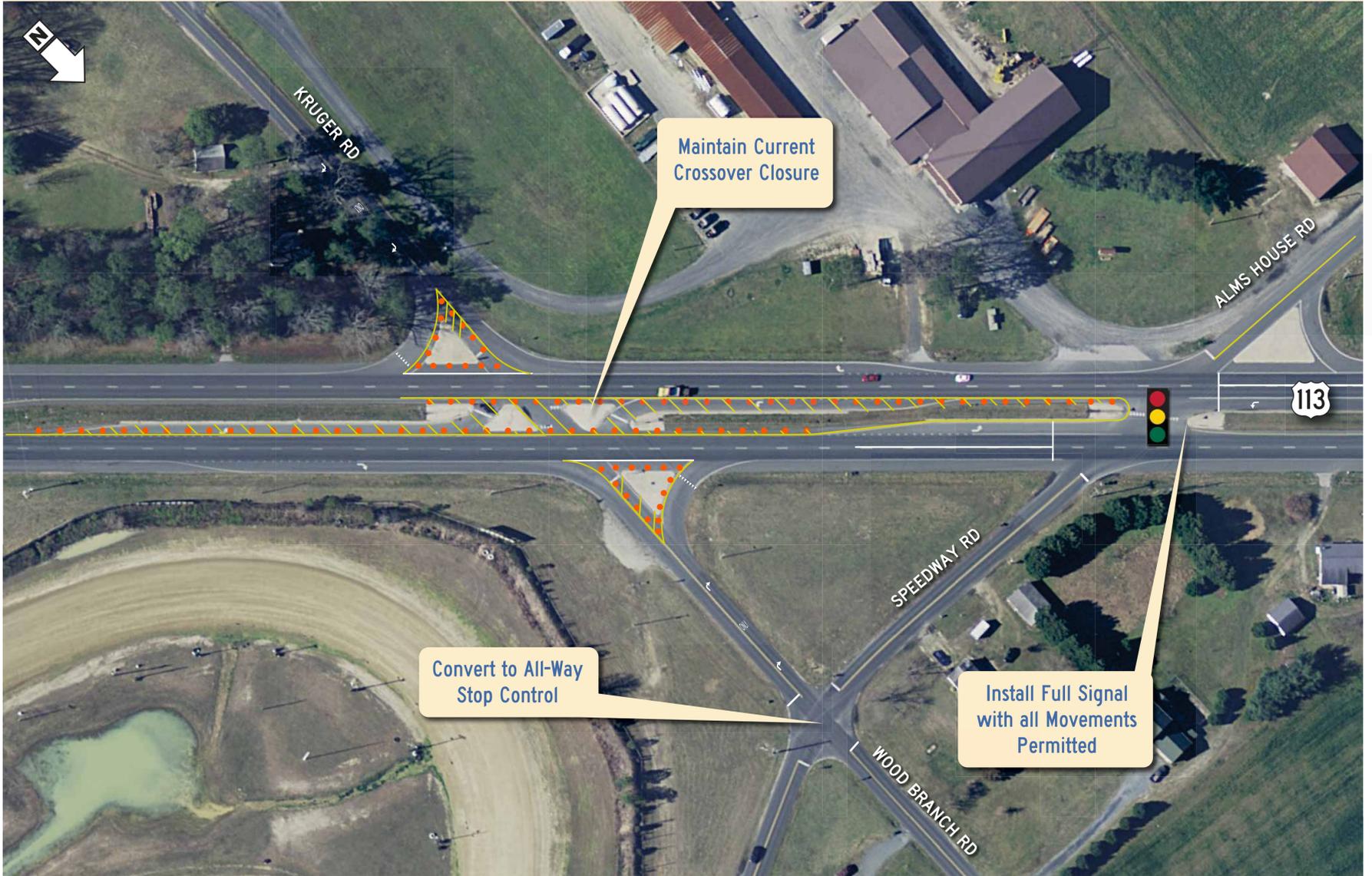
SAFETY IMPROVEMENTS WORKSHOP

Option 1

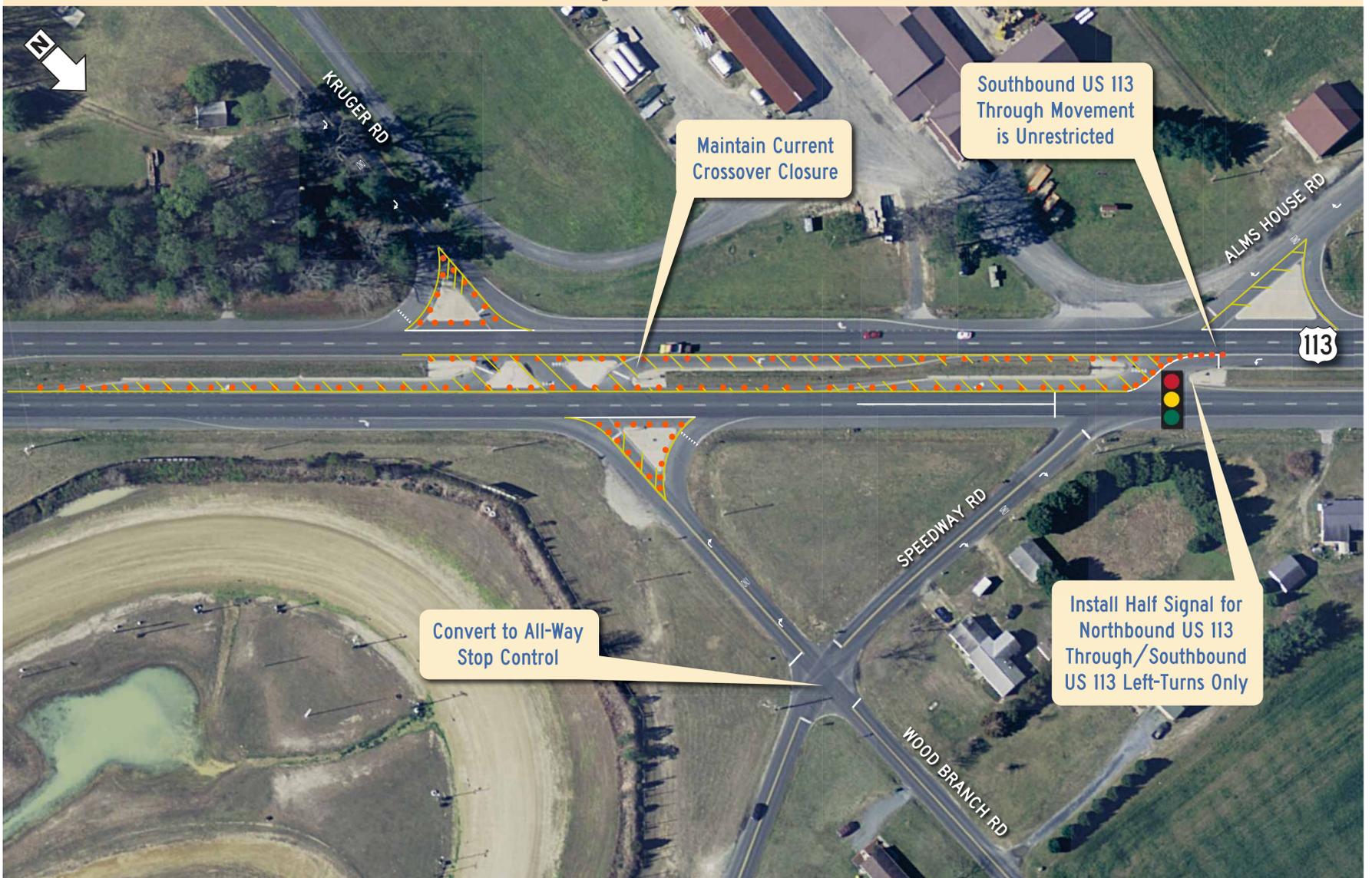


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Option 2A

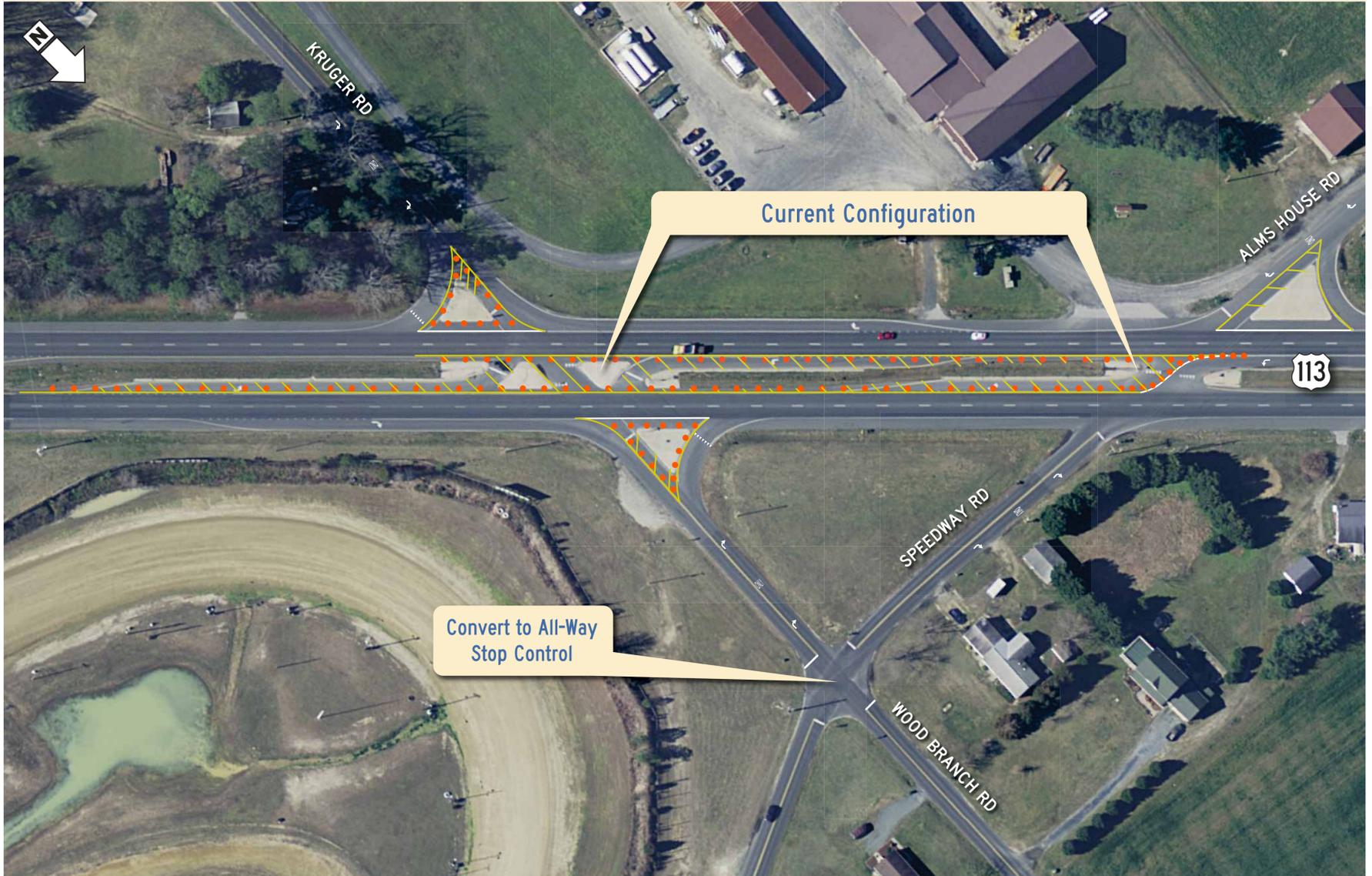


Option 2B

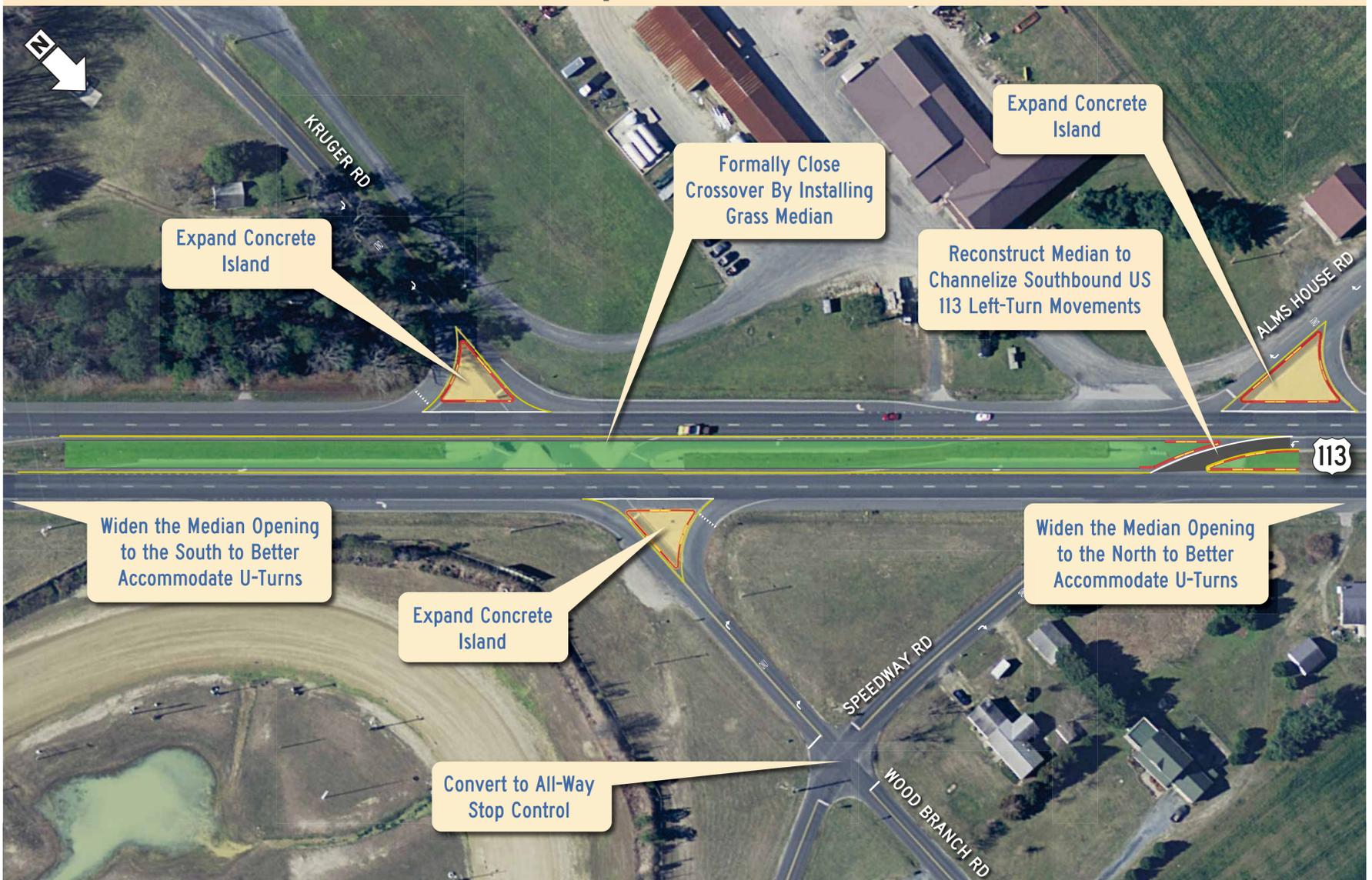


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Option 3A



Option 3B



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Long-Term Improvements
US 113 North/South Study Preferred Alternative

