

# Route 460 Safety and Operations Study

Citizen Information Meeting #2



### Agenda

- Purpose
- Goal
- Objectives
- Study Area
- Operational Analysis
- Corridor Safety Assessment
  - Systemic Analysis
  - Site Specific Location
  - Mitigation Techniques
- Schedule



#### Purpose

Based on known safety concerns and changes in traffic, Isle of Wight & the City of Suffolk requested an evaluation of the Route 460 corridor for improved transportation safety and operations. This study identified areas for low cost improvements to address safety concerns.



#### Goal

Develop a set of *low-cost tiered* recommendations to enhance safety and operations on the Route 460 corridor. The ultimate goal is to implement these recommendations through maintenance or submit *Smart Scale applications for funding*.

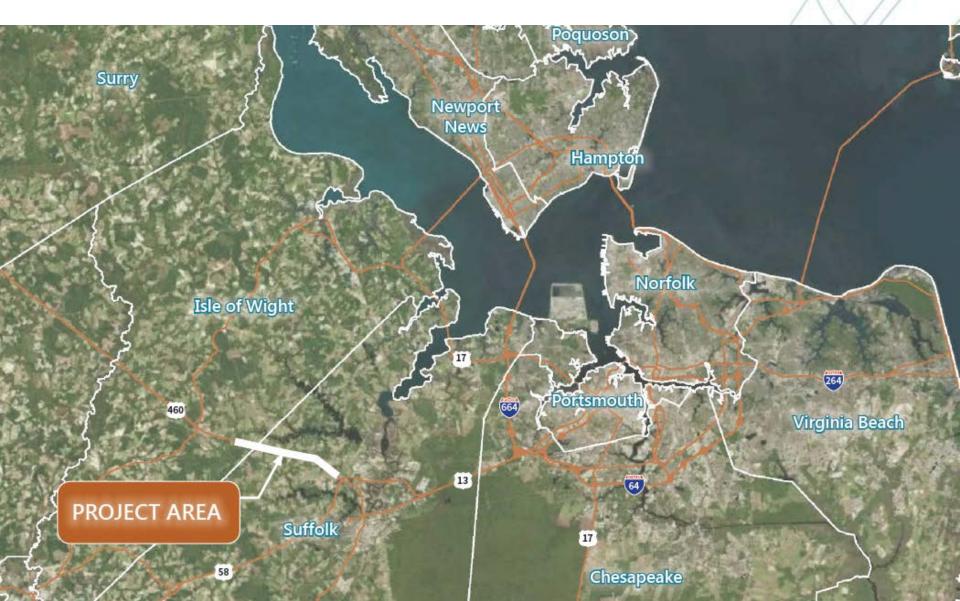


### **Objectives**

- Identify key issues affecting safety along corridor
- Review previous studies, recommended improvements and effectiveness
- Evaluate crash data and existing conditions
- Conduct an operational analysis
- Develop low-cost recommendations that address deficiencies and a phased implementation plan
- Provide planning level cost estimates



## **Study Area**



#### **Operational Analysis**

- Modeled and evaluated
  - Existing conditions
  - 2040 No Build condition
  - 2040 Build condition
- Conducted signal warrant screening
  - Old Suffolk Road and Route 460



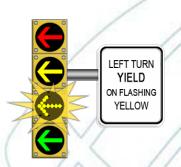


#### **Operational Analysis**

- Proposed improvements
  - Increase side street green time
    - Route 460 and Rob's Drive
  - Change lane usage
    - Southbound approach at Route 460 and Kings Fork Road
  - Implement Flashing Yellow Arrow (FYA) on the mainline and update signal phasing
    - Route 460 and Kings Fork Road
    - Route 460 and Providence Road/Lake Prince Drive







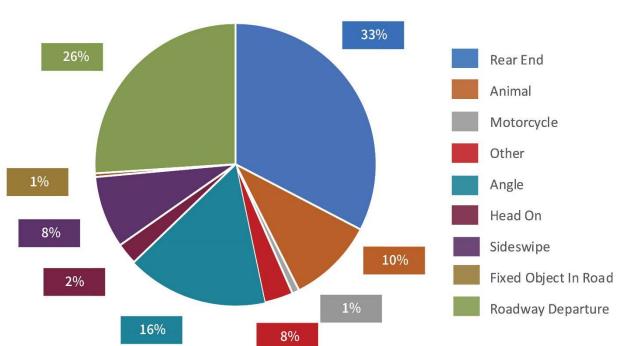
## **Corridor Safety Assessment**

- Systemic Analysis
  - Templates
  - Assignments
- Site Specific Locations
  - -11 locations
    - Northfield Drive
    - Rob's Drive
    - Kings Fork Road
    - Lake Prince Drive
    - Prudence Road
    - 1,200' East of Gardner Lane

- Gardner Lane
- Old Myrtle Road
- 2,200' West of Old Myrtle Road
- 1,750' East of Ennis Mill Road
- 1,000' East of Old Suffolk Road

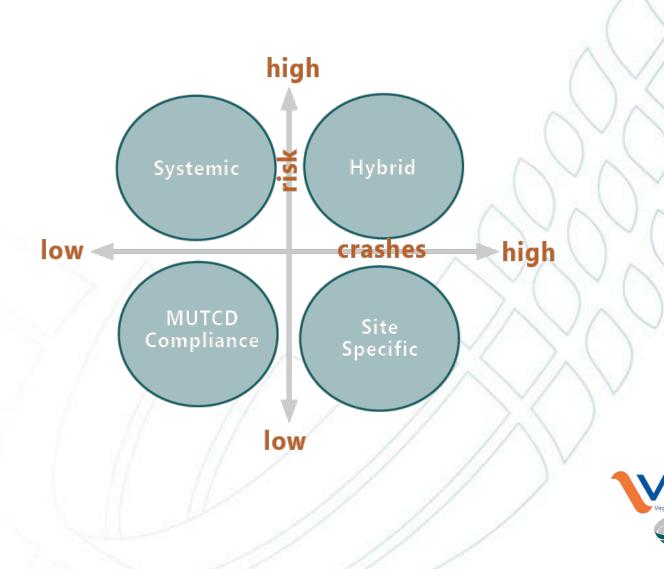


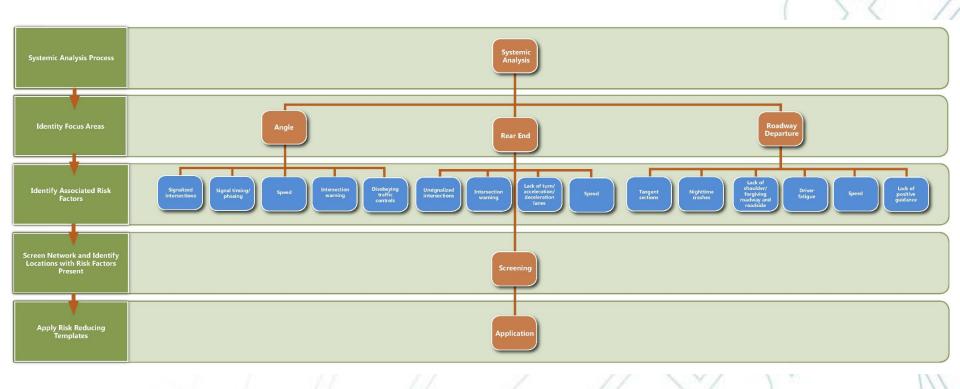
## **Corridor Safety Assessment**



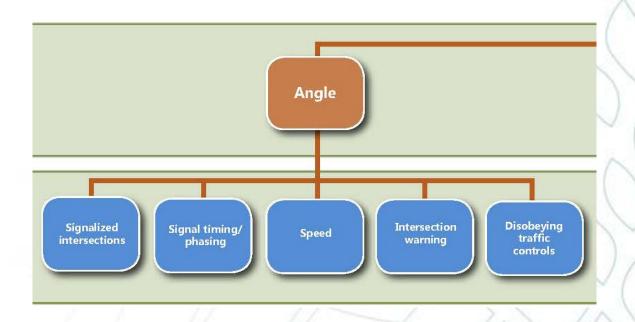
242 Crashes in the 2012-2016 data set



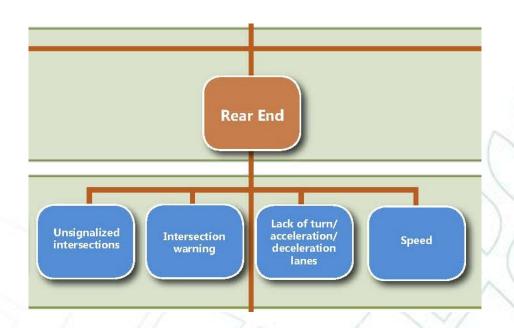




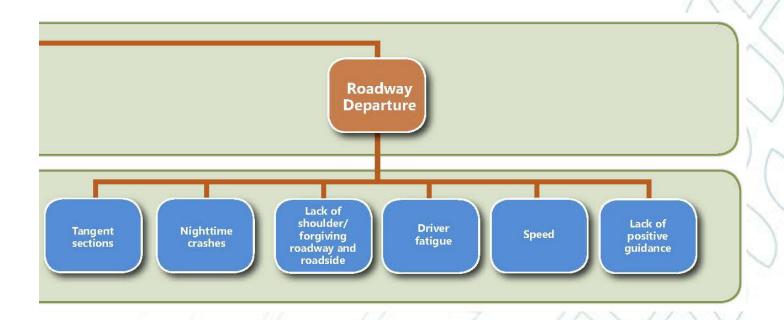




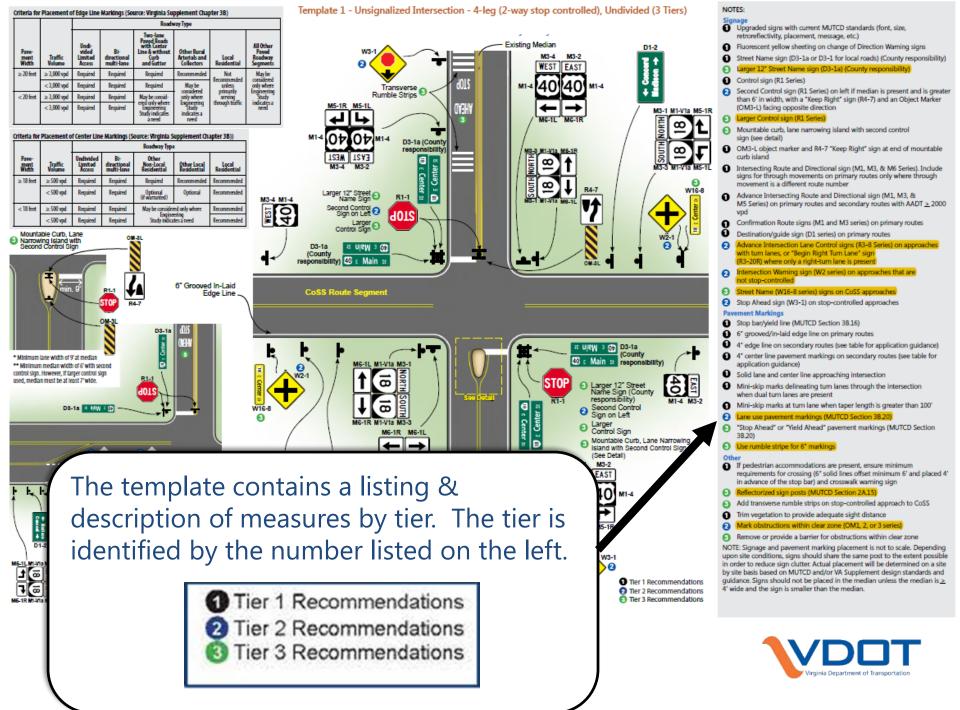












#### **Site Specific Location**

#### **Implementation Plan:**

- Pavement resurfacing
- Enhanced pavement markings
- Reflective signal backplates
- Shoulder improvements or safety edge
- Additional intersection lighting
- Curb and gutter maintenance
- Positive guidance on northern side of intersection



#### Location #1





## Mitigation Techniques

- Corridor wide recommendations
  - Signage
  - Enhanced pavement markings
  - Signal upgrades/modifications
  - Geometric improvements



#### Schedule

- Notice to Proceed
- Data Collection start
- Scoping Meeting
- Pre-Field Analysis and Study Review(s)
- Data Collection finish
- Citizen Information Meetings Round 1
- Stakeholder Meeting
- Citizen Information Meetings Round 2
- Draft Report Submittal
- Final Report

- May 11, 2017
- May 16, 2017
- June 1, 2017
- July 2017
- August 2017
- October 2017
- December 14, 2017
- February 2018
- February 2018
- March 2018



## Questions?

