

# Project Location and Traffic Volumes



# Project Development



**\* This improvement is included in the Department's FY 2019-2024 Proposed Highway Improvement Program. Current engineering efforts are targeted to enable a contract letting in the early years of the multi-year program contingent upon plan readiness, land acquisition, and funding availability through future annual legislative appropriations.**

# Project History



## IL 38 at Winfield Road\*

- Provided dual left turn lanes on east leg of IL 38
- ADA compliant curb ramps, new traffic signals and crosswalks
- Project led by IDOT
- Preliminary engineering/environmental studies completed in 2008; currently in plan development phase

## IL 38 at County Farm Road\*

- Provided right turn lane on east leg of IL 38 and dual left turn lanes on west leg of IL 38
- ADA compliant curb ramps, new traffic signals and crosswalks
- Project led by DuPage County
- Preliminary engineering/environmental studies completed in 2011; currently in plan development phase

## Current Focus

The intersections of IL 38 at Winfield Road and at County Farm Road have been previously analyzed as two separate preliminary engineering and environmental studies. The section of IL 38 between Winfield Road and County Farm Road is the focus of this IDOT project. Here is a summary of the studies at the two intersections.

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# Land Acquisition

## TYPES OF LAND ACQUISITION

### *Fee Simple Acquisition – 5.38 acres*

- Acquisition of all rights and interest
- Roadway widening and drainage improvements

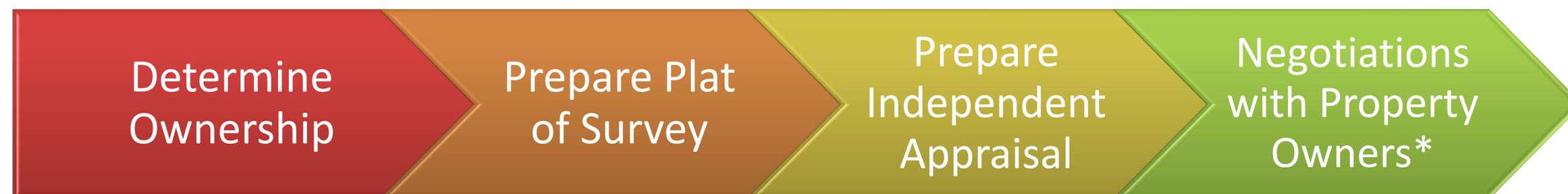
### *Permanent Easements – None*

- Partial ownership retained by property owner
- Allows permanent access to construct and maintain facilities

### *Temporary Easements – 1.15 acres*

- Ownership retained by property owner
- Temporary use for a specified term or to completion of construction
- Driveway replacement and roadside grading

## LAND ACQUISITION PROCESS

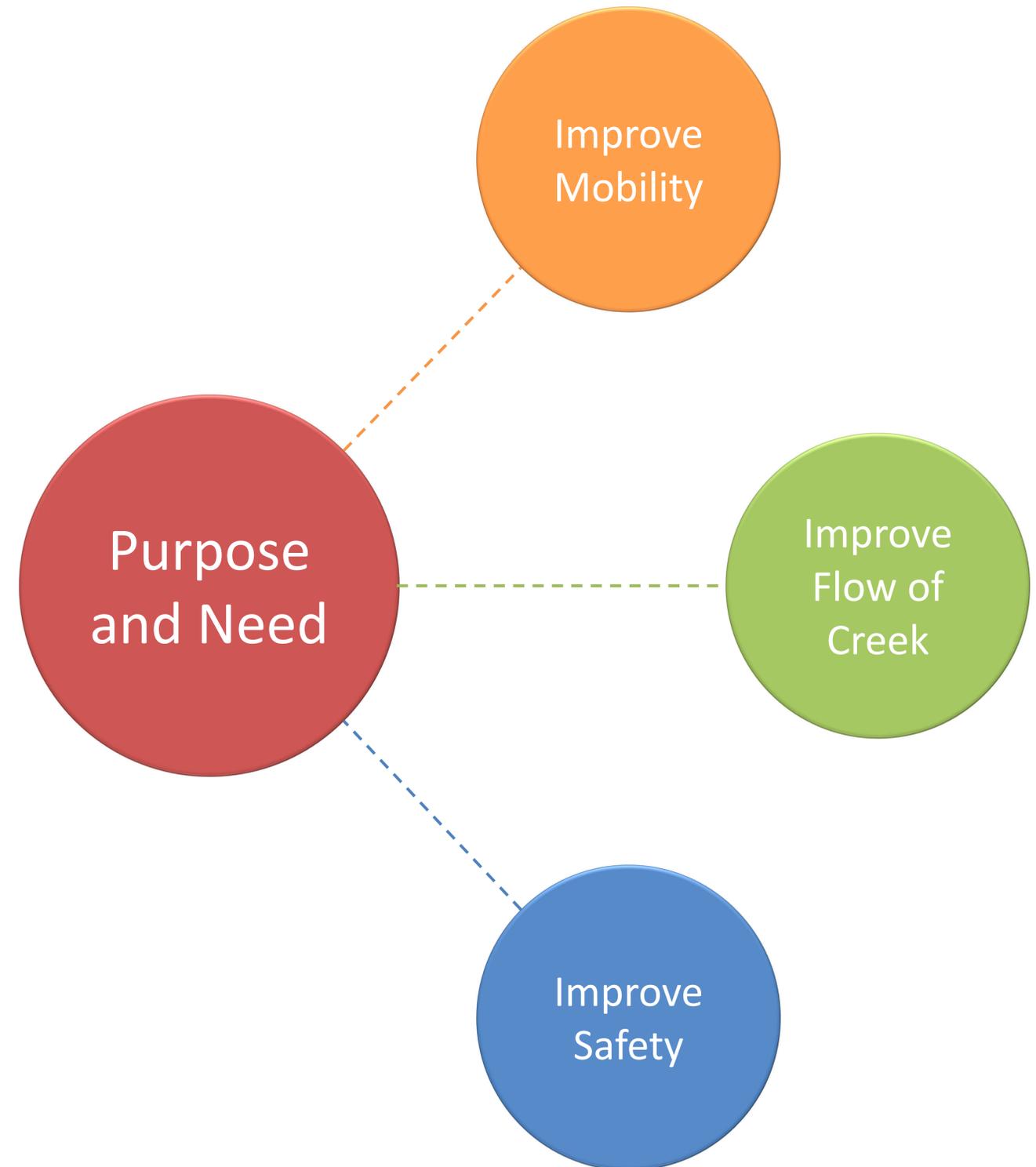


\* Court Proceedings if Necessary

# Purpose and Need

## Project Needs

- Improve safety and mobility
- Provide pedestrian and bicycle accommodations
- Improve drainage, safety and roadway operations
- Replace Winfield Creek bridge at Shaffner/ IL 38
- Provide left-turn lane at Shaffner Road



# Drainage

## Existing Drainage System

- Consists of roadside ditches that discharge to cross road culverts and to Winfield Creek

## Proposed Drainage System

- Curb and Gutter with new storm sewer conveying runoff to Winfield Creek
- Methods to detain stormwater:
  - Storm sewers
  - Expand detention basin (east of Grant Street)
- Best Management Practices (BMPs) will be incorporated into new drainage design to improve water quality of storm runoff. BMPs include storm sewers that outlet to grass lined ditches in order to filter pollutants prior to discharge into Winfield Creek.



# Resource Impacts

## Trees – Approximately 520 trees impacted

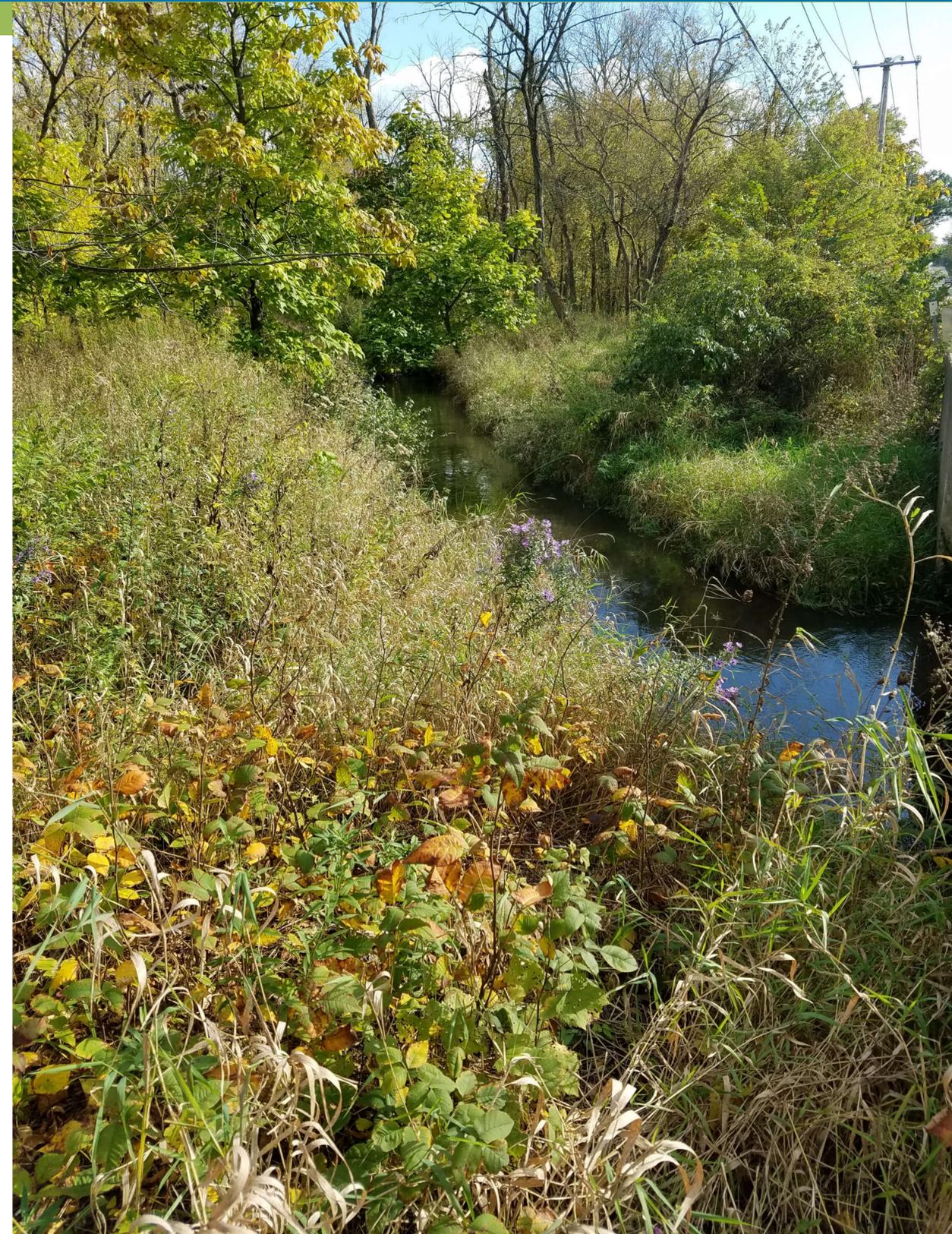
- Trees will be replaced on a 1:1 basis according to IDOT Tree Replacement Policy where feasible
- Detailed landscaping plans completed during contract plan preparation

## Wetland Impacts

- 0.68 acres of permanent Wetland Impacts
- 0.13 acres of Waters of the United States (WOUS) Impacts

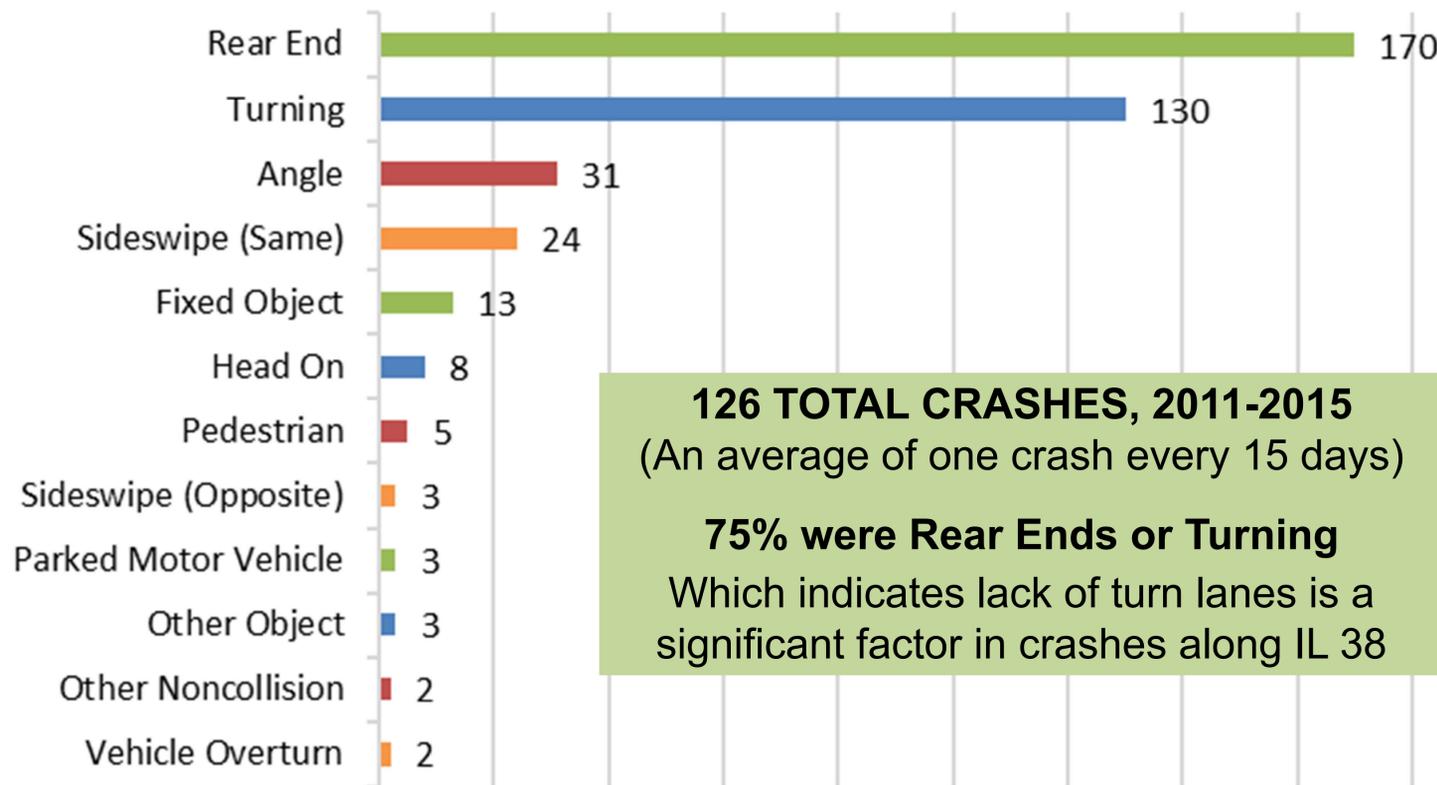
## Cantigny Park

- Roadway cross section reduced to minimize impacts
- Cantigny Park is eligible for inclusion on the National Register of Historic Places
- IDOT anticipates a No Effect to Historic Properties for Cantigny Park

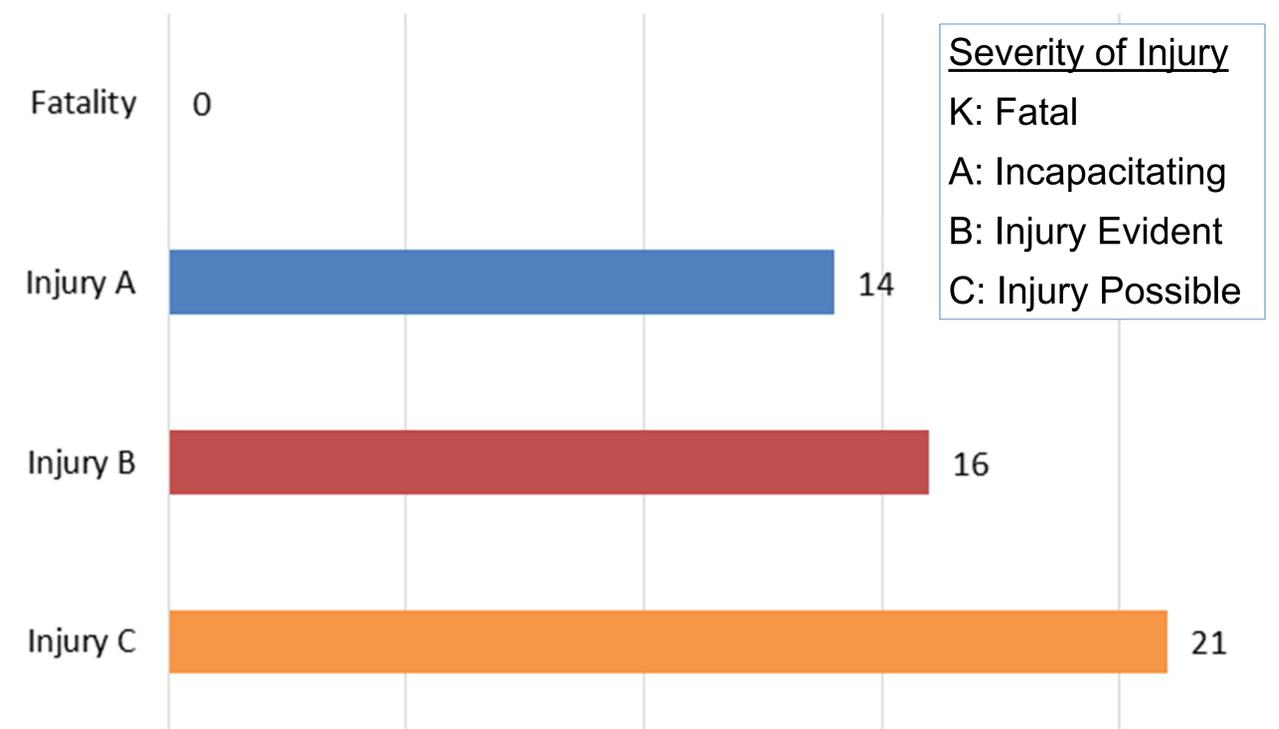


# Crash Data

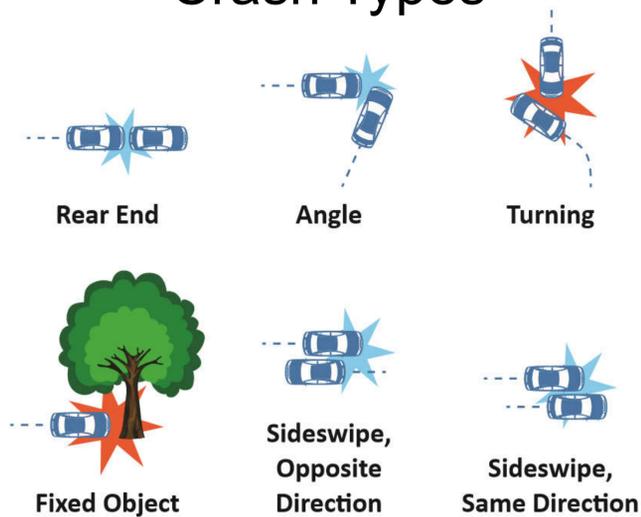
## Winfield Rd to County Farm Rd, Years 2011-2015



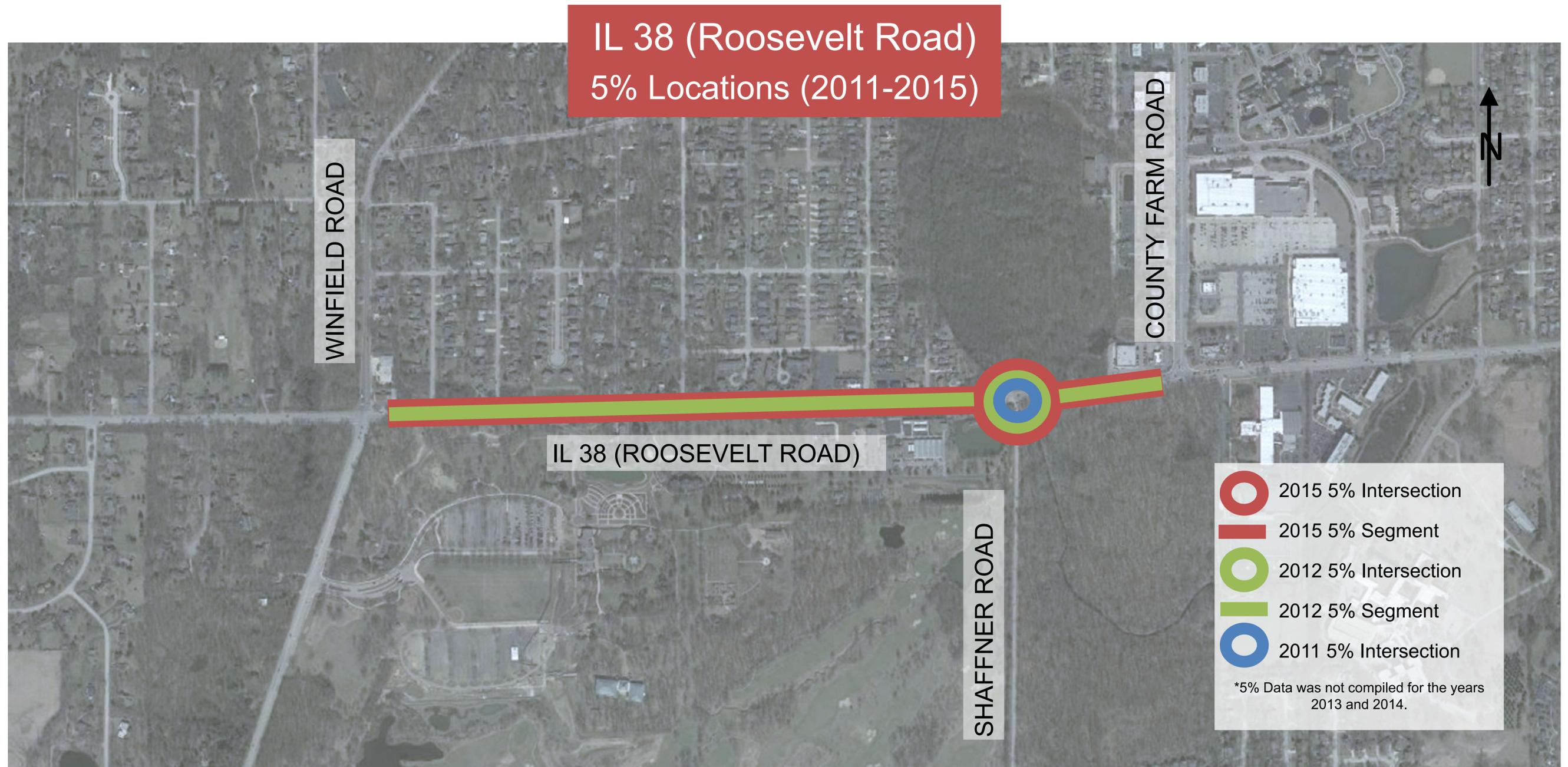
## Injury Types – 51 Injuries



## Crash Types

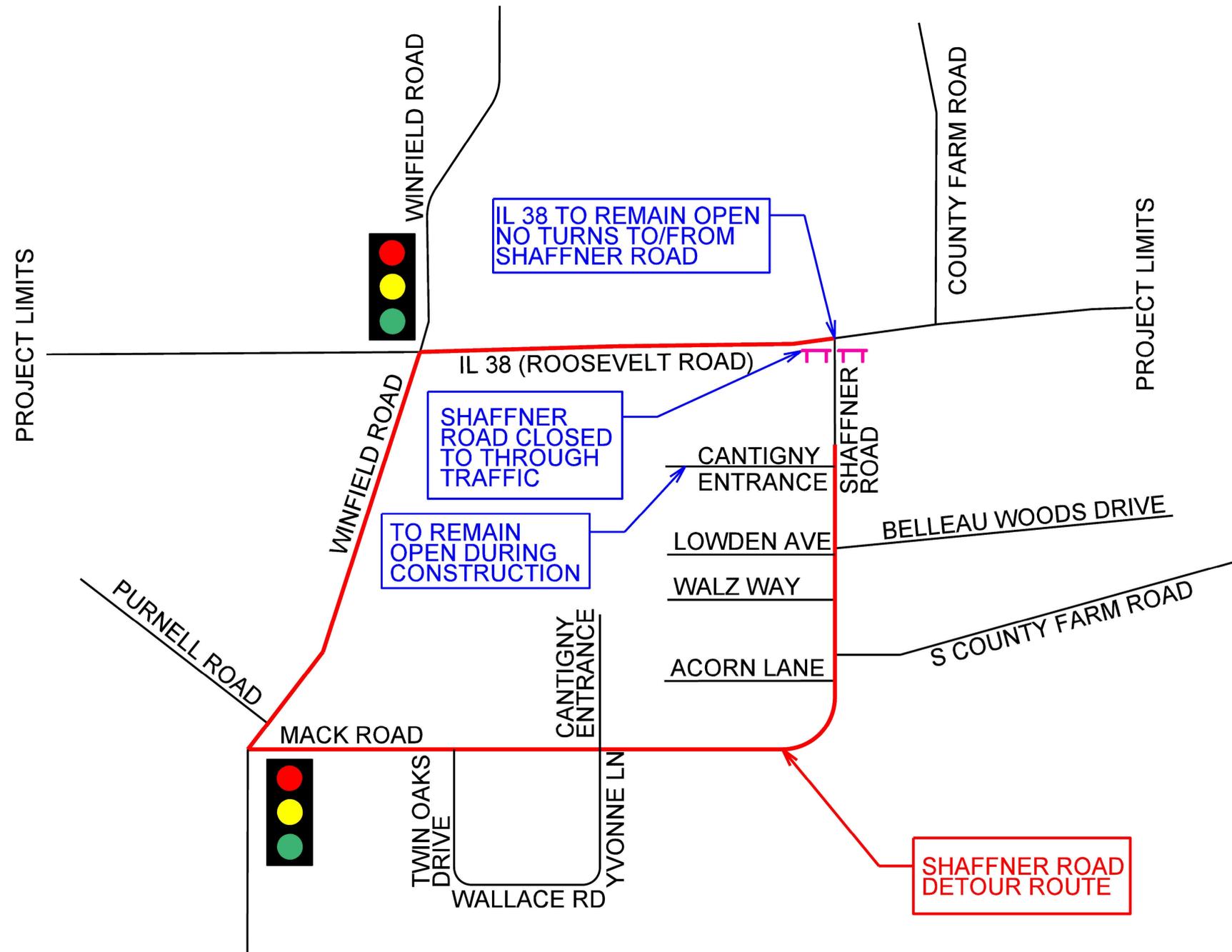


# Crash Data



Locations along state highways that are identified as 5% locations are within the top 5% of locations statewide for the specific type of facility with the most pressing safety needs based on high occurrence of crashes that involved fatalities and/or severe injuries.

# Shaffner Road Detour



## Detour Route

- 3.7 Miles
- 6 Minutes Drive Time
- Approved for truck traffic
- Closure estimated 3 – 4 months of construction time