



East Knox County Mobility Study

Stakeholder Engagement

October 1, 2024



**CDM
Smith**



Agenda

1. Introductions
2. Meeting Purpose
3. Project Purpose
4. Scope, Schedule
5. Existing Analysis
 - Land Use
 - Safety Analysis
6. Map Exercises - Identify Issues



Introductions



**CDM
Smith**

**CDM
Smith**

Jim Snowden, PE

Senior Director

Engineering &
Public Works

**Cathy Olsen,
GISP, PMP**

Operations Director

Engineering &
Public Works

Mandi Benedict

Constituent Services
Director

Office of Knox County
Mayor Glenn Jacobs

**Stephanie Hargrove,
PhD, PE, PMP**

Project Manager &
Engineer

**Melody Butler,
PE, AICP, PMP**

Project Planner

Meeting Purpose



GATHER
INPUT



IDENTIFY
ISSUES



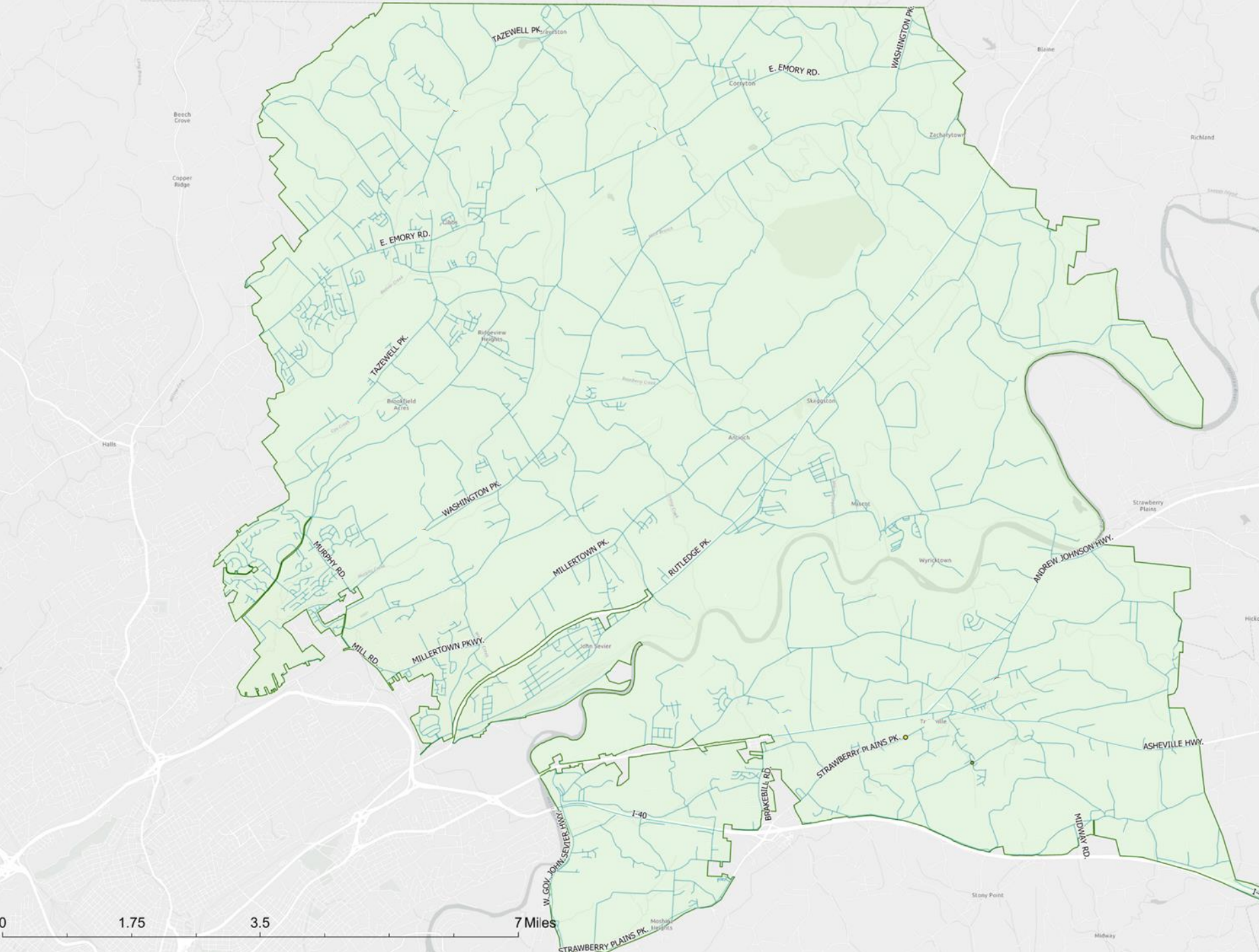
BRAINSTORM
IDEAS

What is a Mobility Plan?

*Mobility (noun)-
The ability and level of
ease of moving people,
goods, and services.*

- A big-picture plan for our transportation system over the next 20+ years.
- Uses transportation strategies and land uses to support and fund mobility.
- Why?
 - Serves the needs of communities
 - Builds a planning framework
 - Maximizes funding opportunities
 - Optimizes coordination

East Knox County Study Area



Project Purpose

- Mobility Plan for the Gibbs, Corryton, Ritta, Strawberry Plains, and Mascot communities.
- Data- and community-driven approach.
- Focus on safety, mobility, and planned growth as outlined in Knox County's Land Use & Transportation Plan (Advance Knox).
- Prioritized list of recommended transportation projects.



***Improve Safety, Promote Connectivity,
and meet the Growing Demands of
East Knox County***



Project Scope

1. Review Existing Studies & Plans
2. Public Involvement
 - Technical & Community Stakeholder Meetings
 - Online Survey
 - Public Meetings
3. Identify Projects
4. Prioritize Projects
5. Identify Funding
6. Final Report

Project Schedule

	OCTOBER				NOVEMBER				DECEMBER				JANUARY				FEBRUARY				MARCH			
Online Survey																								
Community Stakeholder Meetings																								
Technical Stakeholder Meetings																								
2 Public Meetings																								
Project Identification																								
Cost Estimates																								
Project Prioritization																								
Report Preparation																								
Deliver Final Report																								

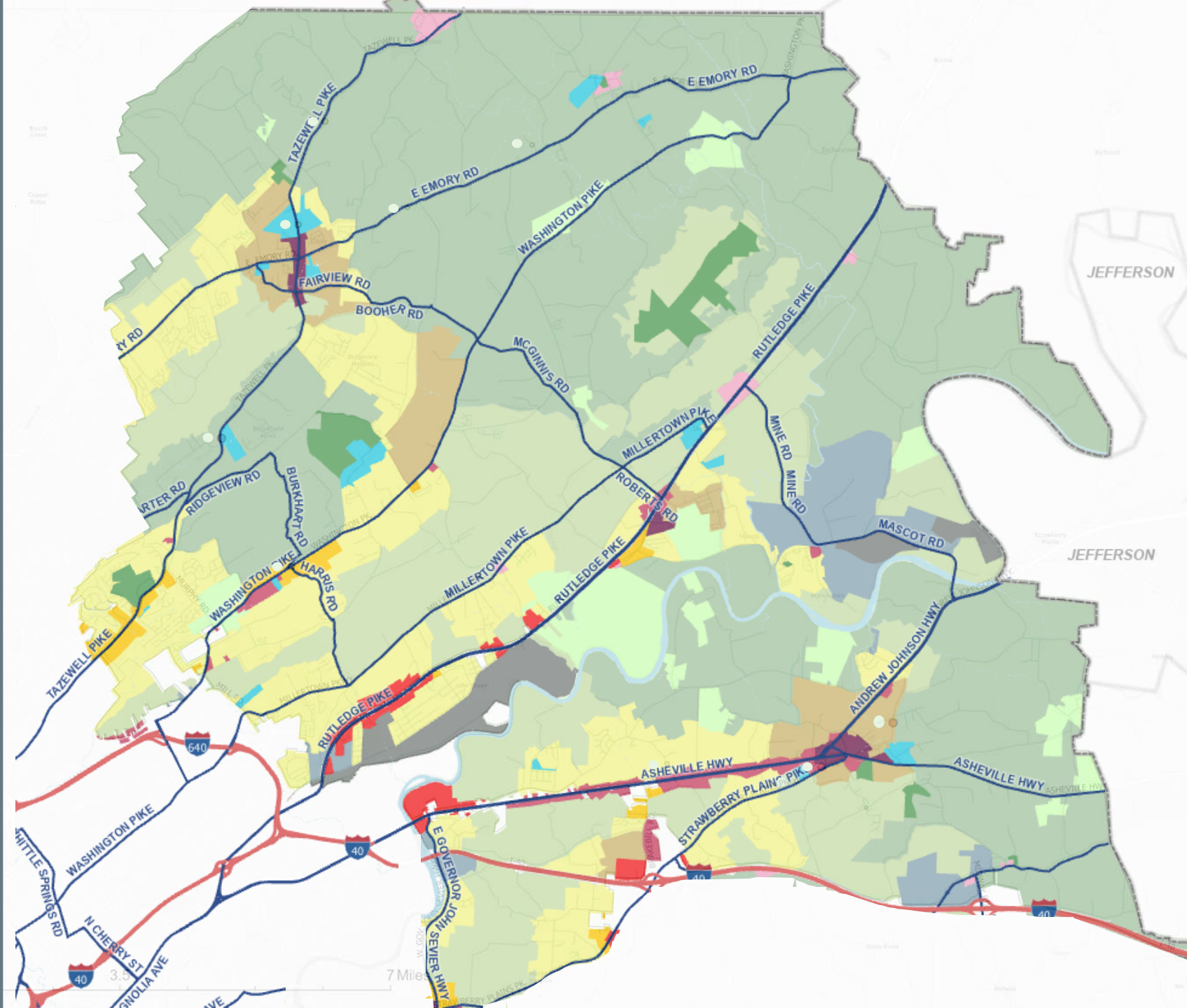


How can we meet the communities' needs?

East Knox County Future Land Use

Knox County Future Land Use Plan

- Traditional Neighborhood (TN)
- Corridor Mixed-use (CMU)
- Town Center Mixed-use (TCMU)
- Corridor Commercial (CC)
- Business Park (BP)
- Suburban Residential (SR)
- Suburban Mixed Residential (SMR)
- Rural Living (RL)
- Rural Conservation (RC)
- Rural Agricultural (RA)
- Rural Crossroads Commercial (RCC)
- Civic and Institutional (CI)
- Parks and Open Space (POS)
- Mining and Heavy Industrial (MHI)
- Right of Way (ROW)



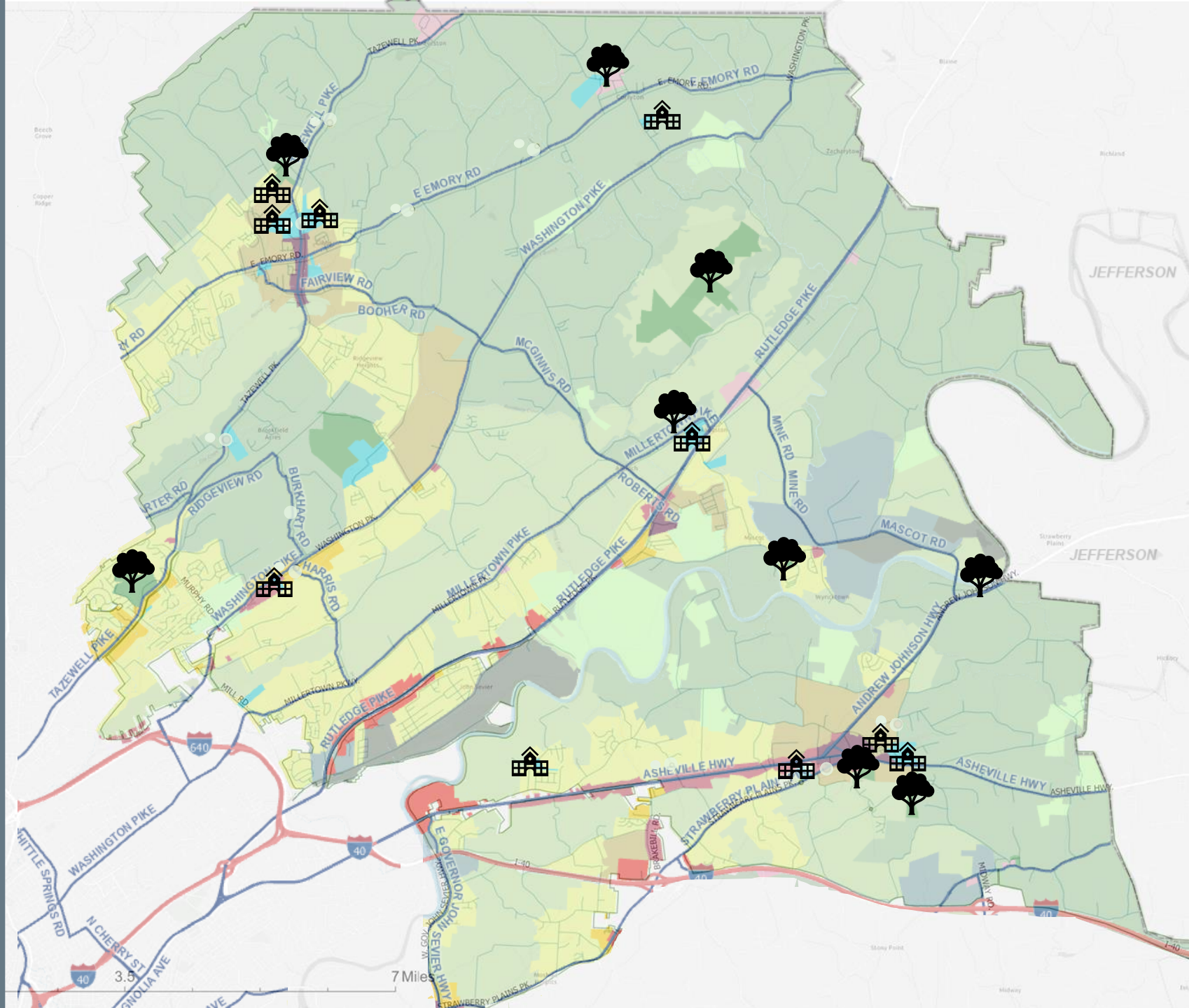
East Knox County Schools & Parks



School



Park





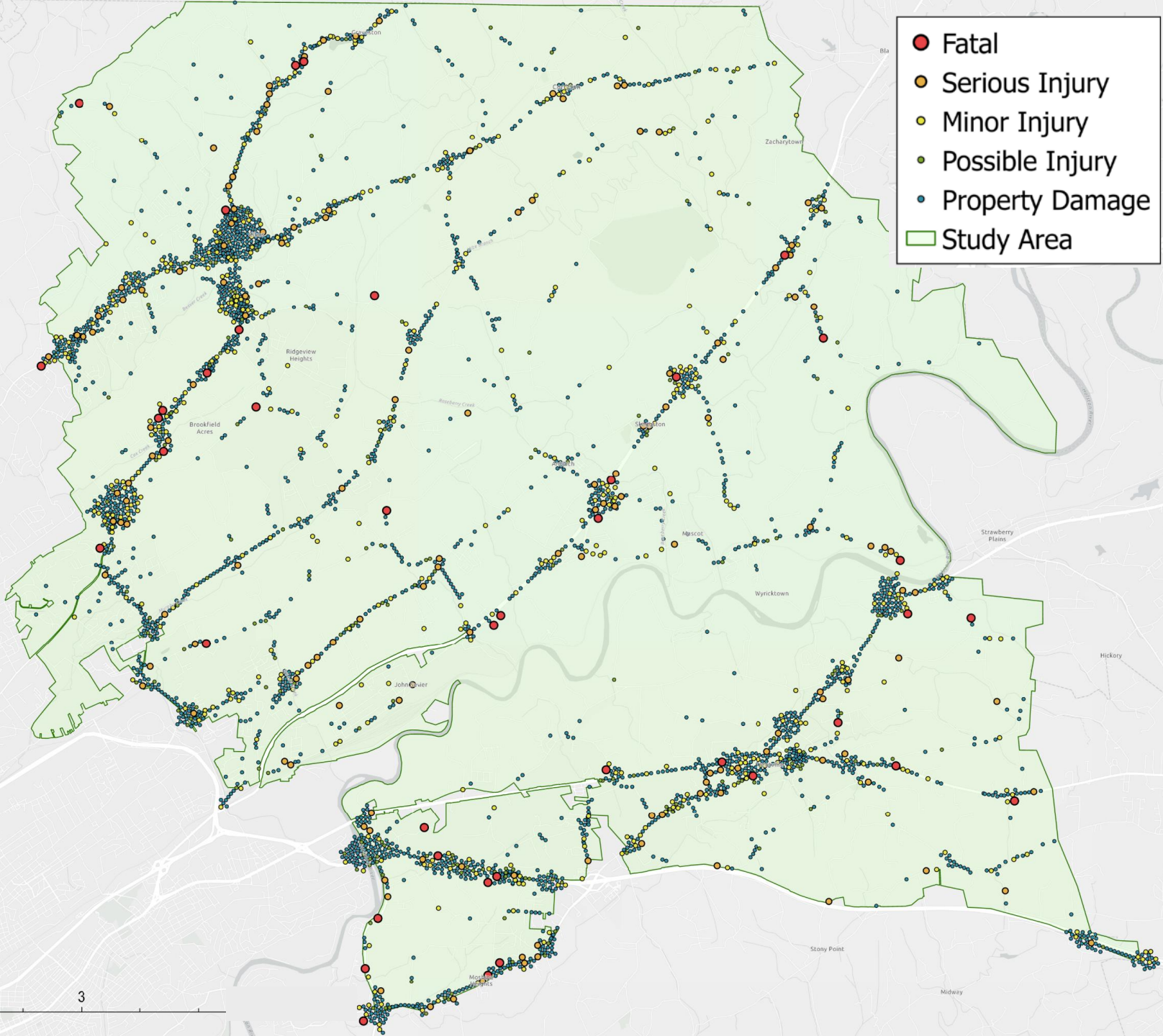
How can we improve safety?

Crashes in Study Area*

Severity	Number (%)
Fatality	37 (1%)
Suspected Serious Injuries	149 (5%)
Suspected Minor Injuries	449 (14%)
Possible Injuries	220 (7%)
Property Damage Only	2,274 (73%)
TOTAL	3,129

Manner	Number (%)
No Collision w/ Vehicle	1,186 (38%)
Rear-end	705 (23%)
Angle	618 (20%)
Sideswipe- Opposite Dir.	197 (6%)
Sideswipe- Same Dir.	188 (6%)
Head- On	99 (3%)
Rear to Side	16 (1%)
Rear to Rear	5 (.2%)
Unknown/Other/--	115 (4%)

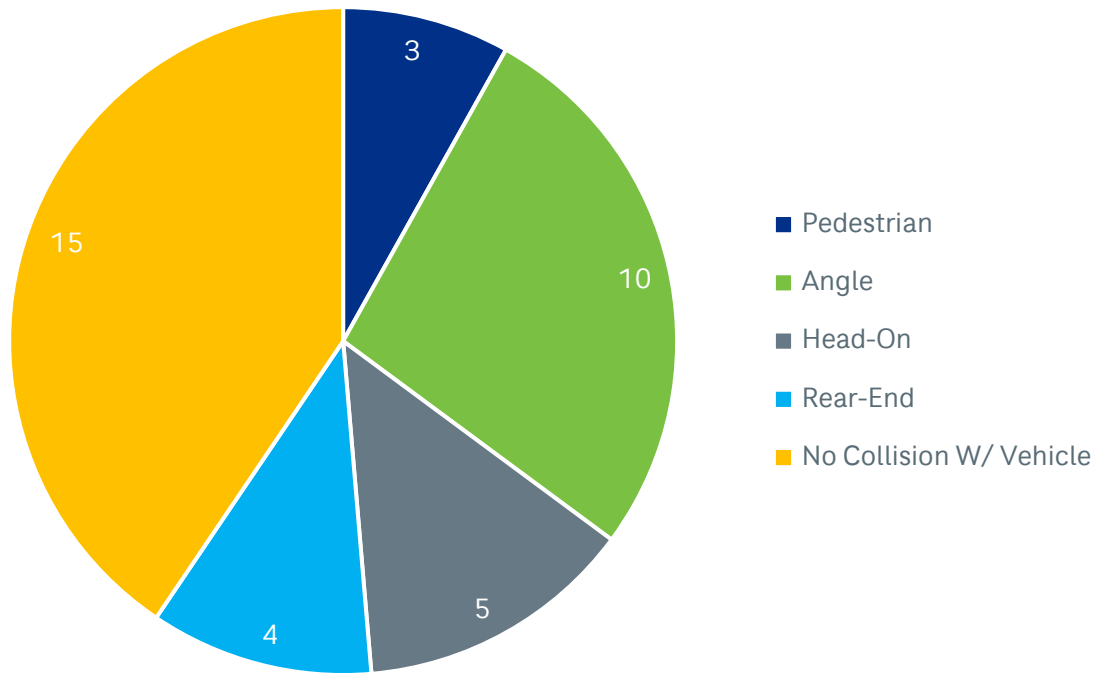
*Over 5.5 years (01/2019 to 06/2024)



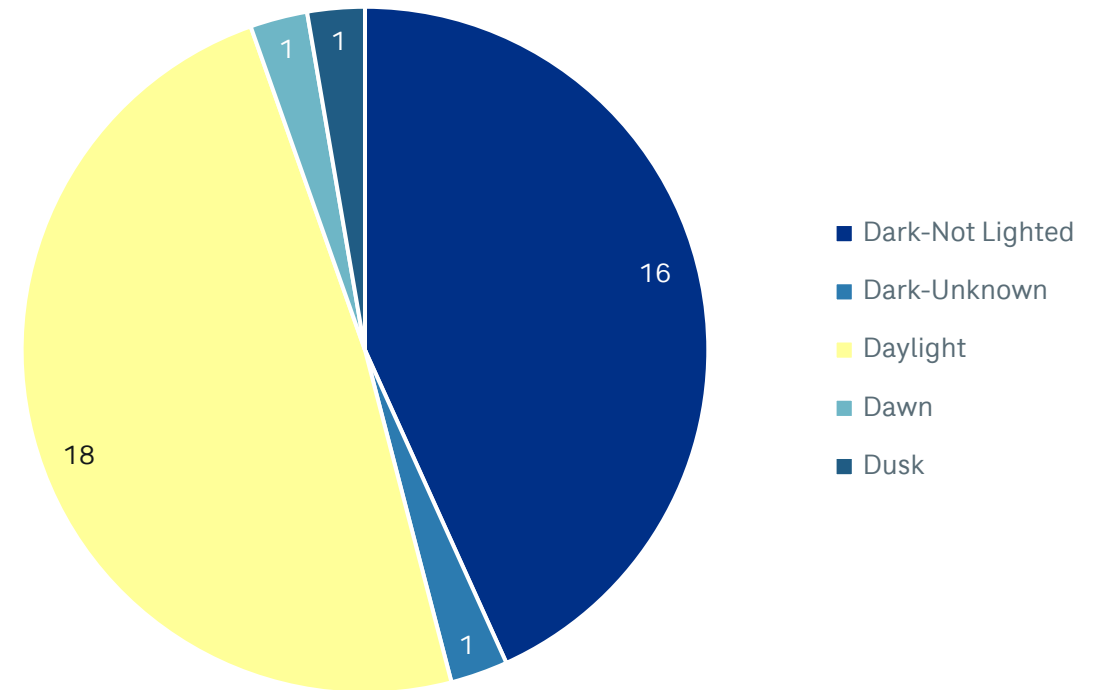
37 FATAL CRASHES

Manner of Collision & Lighting Condition

Manner of Collision

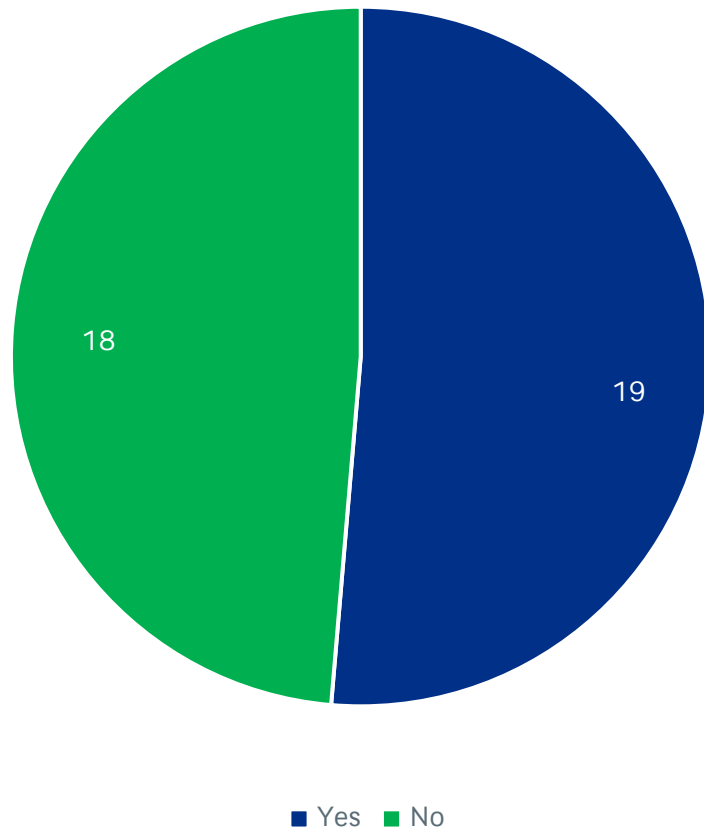


Lighting Conditions

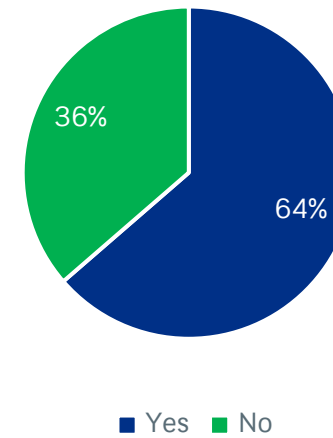


37 FATAL CRASHES

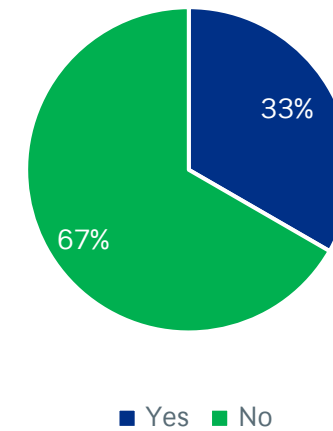
Involvement of Alcohol or Drugs?



22 Multi-Vehicle Crashes

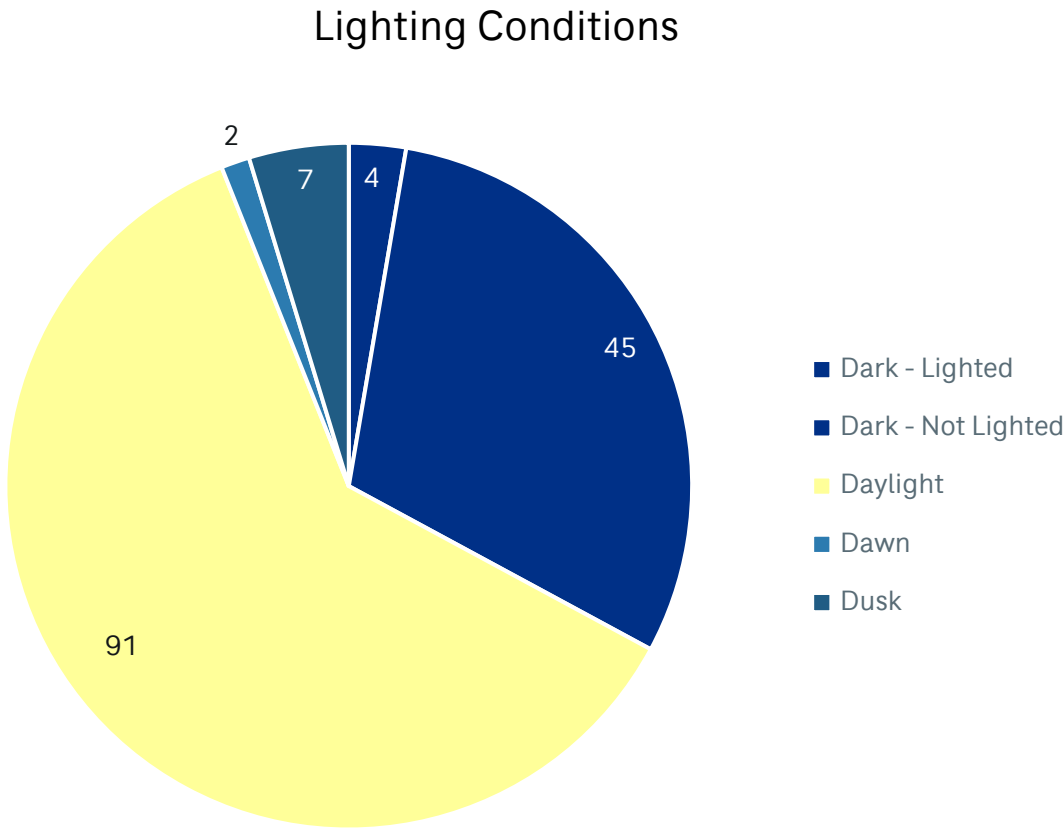
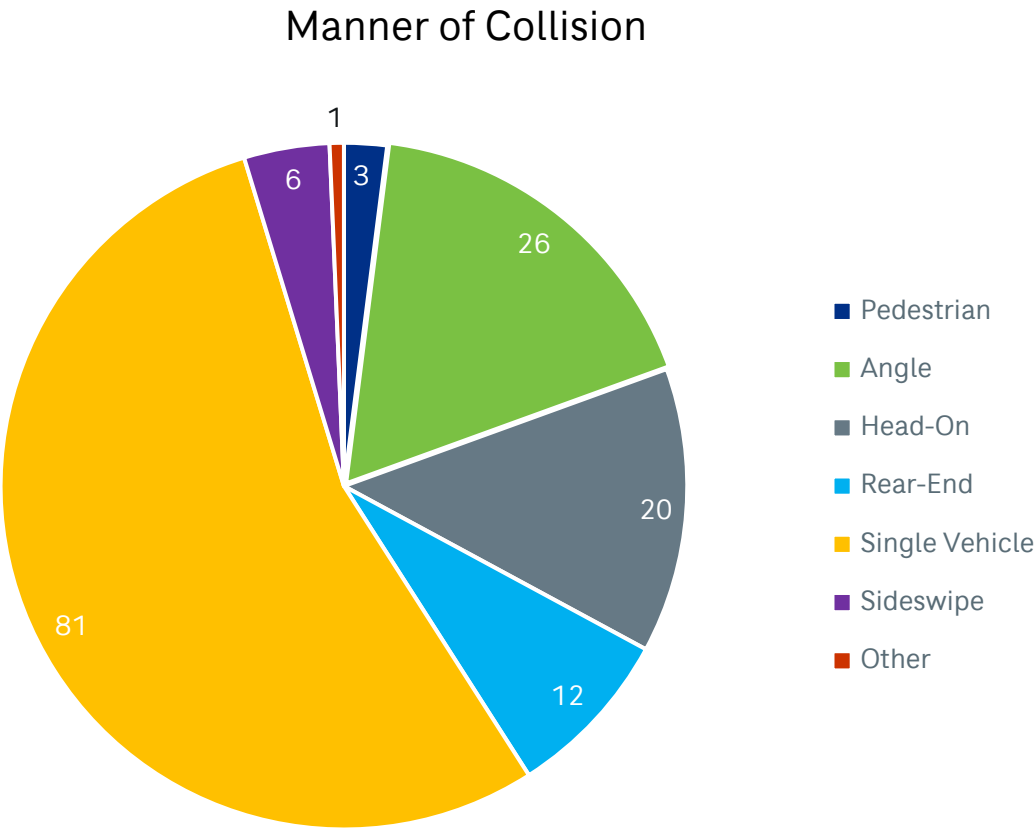


15 Single Vehicle Crashes



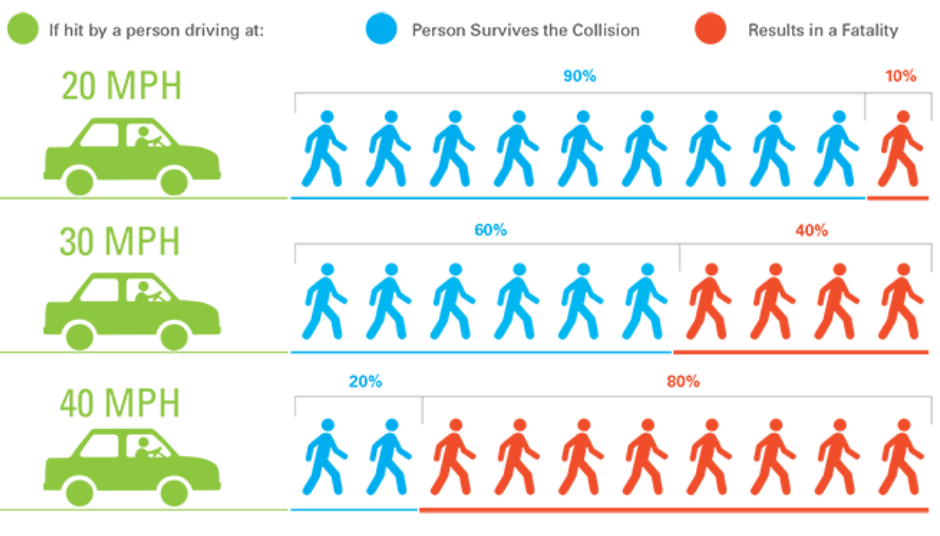
149 SERIOUS INJURY CRASHES

Manner of Collision & Lighting Condition

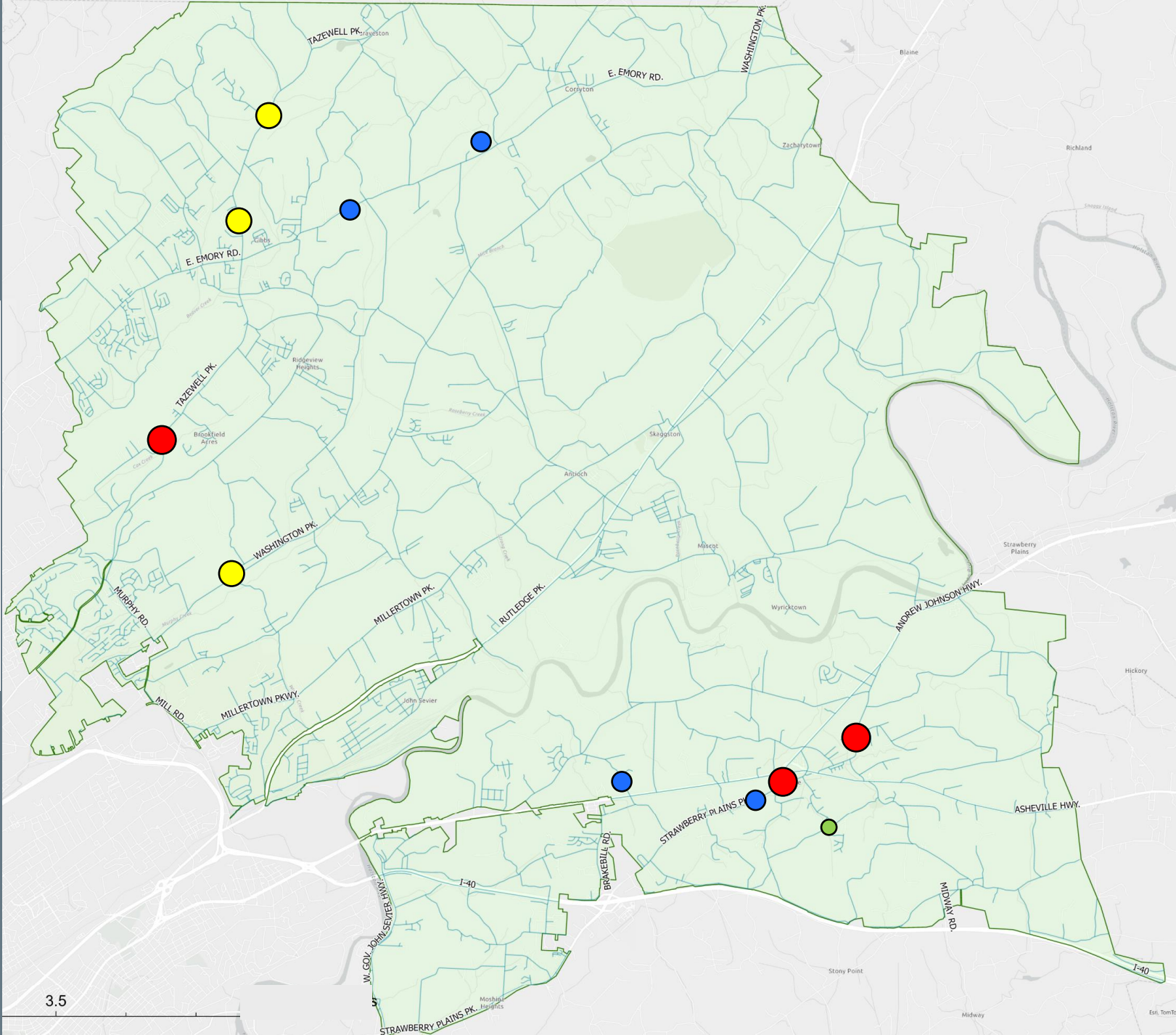


Pedestrian Crashes

No bike accidents!



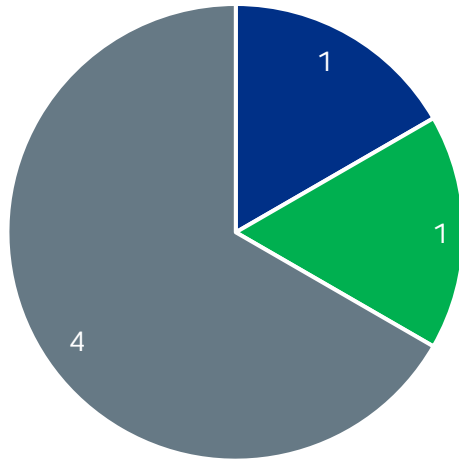
- Fatal
- Serious Injury
- Minor Injury
- Possible Injury
- Property Damage
- Study Area



6 PEDESTRIAN CRASHES – Fatal & Serious Injury

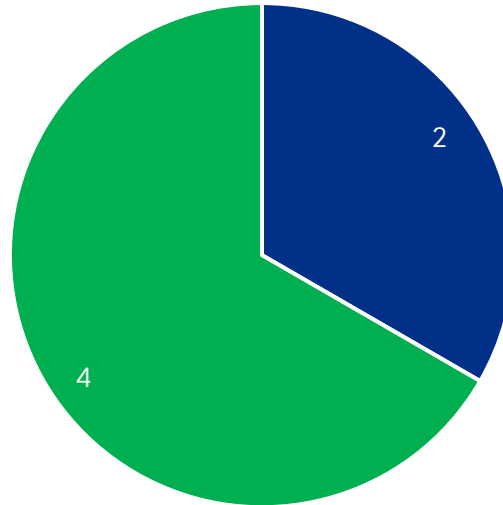
Pedestrian Position, Drugs or Alcohol, & Lighting Conditions

Position When Struck



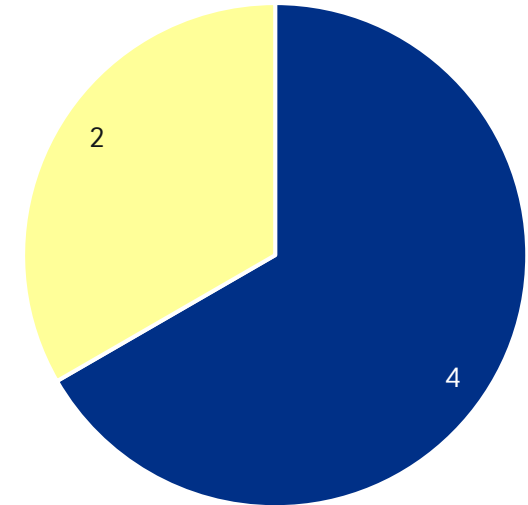
■ Walking Along Road ■ Walking Along Shoulder
■ Crossing Roadway

Involvement of Alcohol or Drugs



■ Yes ■ No

Lighting Conditions

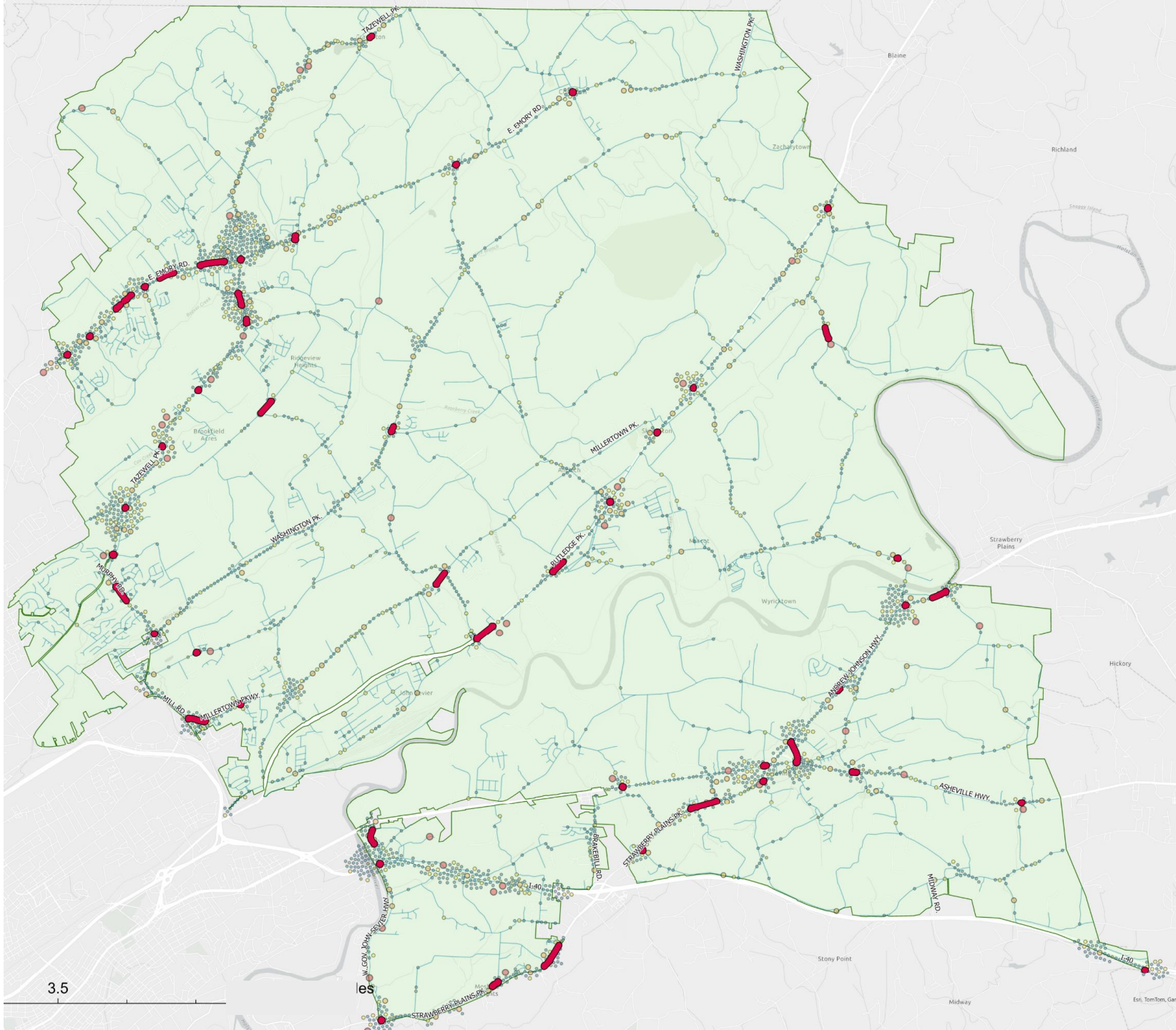


■ Dark ■ Daylight

High Risk Network

Based on Weighted Severity

- Fatality 15
- Suspected Serious Injuries 7
- Suspected Minor Injuries 4
- Possible Injuries 2
- Property Damage Only 1





What should be prioritized?

Existing Project List

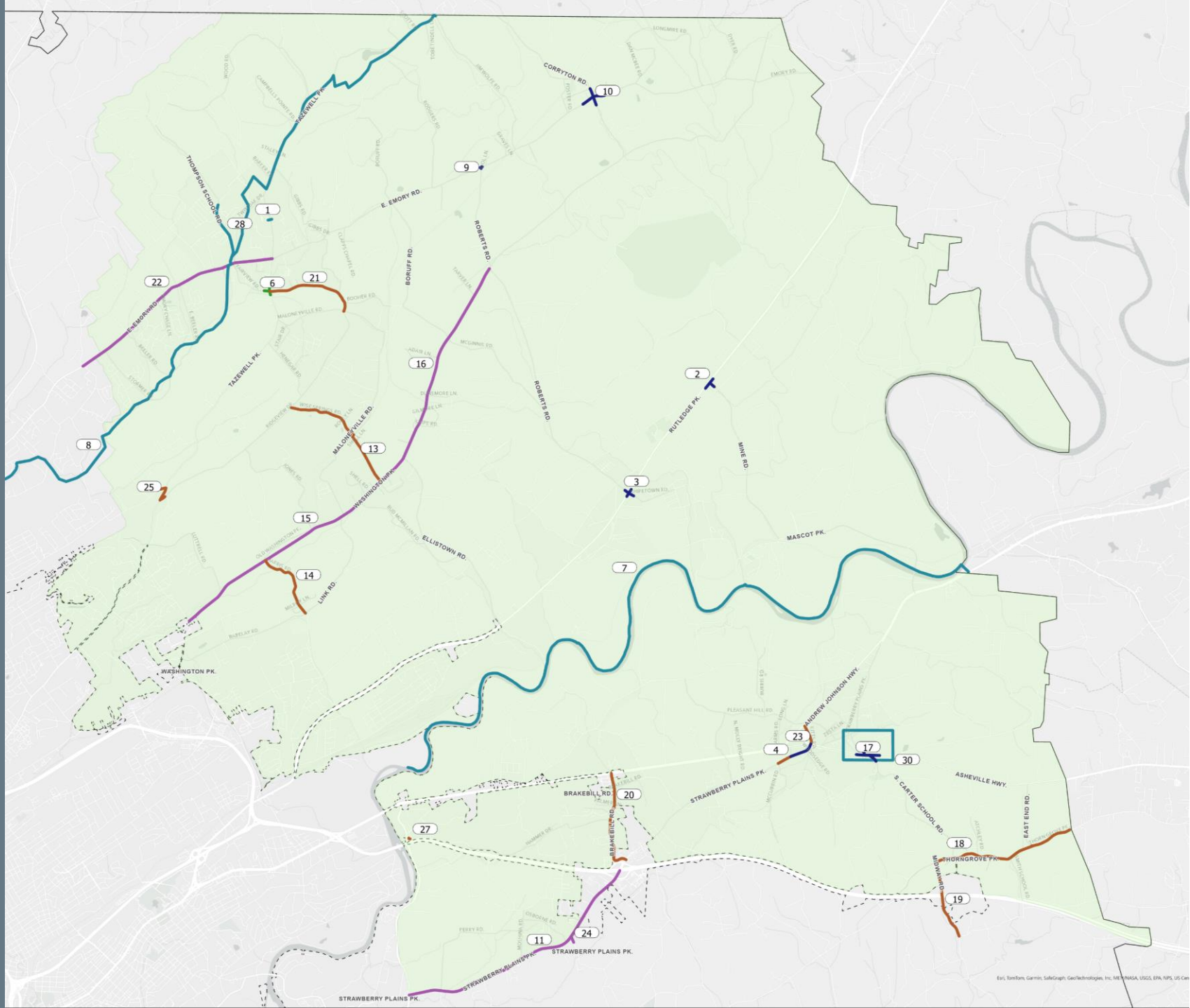
#	Project Location	Category	Brief Description
1	Gibbs High School	Multimodal	Add Pedestrian Bridge
2	Mine Rd and Rutledge Pk	Safety	New traffic signal
3	Roberts Rd and Rutledge Pk	Safety	New traffic signal
4	Strawberry Plains Pk/Kitts Rd	Modernization	McCubbins Rd to Andrew Johnson Hwy
5	Tazewell Pk and Fairview Rd	Modernization	Intersection realignment
6	Holston River	Multimodal	Greenway
7	Beaver Creek East	Multimodal	Greenway
8	Emory Rd and Roberts Rd	Safety	Safety Improvement
9	E Emory Rd and Corryton Rd	Safety	Safety Improvement
10	Strawberry Plains Widening	Capacity	Widen from 2 to 4 lanes
11	Wise Springs Rd	Modernization	Ridgeview Rd to Washington Pk
12	Harris Rd	Modernization	Washington Pk to Babelay Rd
13	Washington Pk	Capacity	Murphy Rd to Ellistown Rd
14	Washington Pk	Capacity	Ellistown Rd to Roberts Rd
15	Carter School Rd	Safety	Safety Improvement at Asheville Hwy
16	Thorngrove Pk	Modernization	Midway Rd to County Line
17	Midway Rd	Modernization	Thorngrove Pk to Will Merritt Dr
18	Brakebill Rd	Modernization	Strawberry Plains Pk to Asheville Hwy
19	Fairview Rd	Modernization	Tazewell Pk to Maloneyville Rd
20	Emory Road	Capacity	Widen from 2 to 4 lanes
21	Strawberry Plains Pk	Safety	Safety Improvement
22	Strawberry Plains Pk and Wayland Rd	Capacity	Turn Lanes
23	Tazewell Pk and Ridgeview Rd/Carter Rd	Modernization	Intersection realignment
24	Manis Rd	Modernization	Re-alignment of curve
25	Thompson School	Multimodal	Add sidewalk
26	Carter Area	Multimodal	Add sidewalk

Study Area

Knoxville City Limits

Category

- Capacity
- Improvement
- Modernization
- Multimodal
- Safety



Map Exercises



GATHER
INPUT



IDENTIFY
ISSUES



BRAINSTORM
IDEAS

Safety - Crash Maps

- Identify locations you feel are unsafe and share **why**

Existing Project Map

- Identify project concerns
- Share new projects Ideas

East Knox Study Area Map

- Identify locations you experience traffic congestion or regularly see back ups.
- Think about where the major issues are within the project area.
- Where you think **pedestrian** and/or **bicycle** improvements are needed?
- Where do you feel additional consideration is needed – **turn lanes, intersection improvements, flooding**, etc.?



What's Next?

1. Public Survey
2. Finalize Safety Analysis
3. Public Meetings (October 22 & 24)
4. Prepare Initial Recommendations