



CORPO SS4A Action Plan

Stakeholder Meeting #5

April 17, 2024

Agenda

- 1. Brief Welcome and Introductions**
- 2. Overview of Draft Plan and Feedback**
- 3. Project Identification and Development**
- 4. SS4A Implementation Funds and Project Selection**
- 5. Next Steps & Wrap Up**

Overview of Draft Plan

Overview of Draft Plan- Outline

Main Document

1. Introduction

- CORPO Background
- National Roadway Safety Strategy and Safe System Approach
- Safety Action Plan
- Safety Performance Measures
- Leadership Commitment & Goal Setting
- Plan Development and Content
- Stakeholder and Public Engagement

2. Current Conditions

- Crash Data Overview
- Related Planning Efforts

3. Regional Safety Priorities

- Emphasis Areas
- Equity Considerations
- Priority Safety Locations

4. Strategies, Action Items, and Project Selection

- Strategies and Action Items
- Project Identification and Prioritization

5. Implementation and Monitoring

- Guide to Implementation
- Collaboration and Partnerships
- Funding
- Evaluating Outcomes and Project Tracking

Overview of Draft Plan- Outline

Technical Memos

1. Action Plan

- Consolidation of strategies and action items for quick reference with implementation partners and timeframes

2. Stakeholder & Public Input

- Compendium of meeting materials, stakeholder input, and public survey results

3. Detailed Technical Analysis

- Long-form analysis that resulted in the high-level summaries included in the plan

4. County Focus Areas

- Key challenges & opportunities identified for each county throughout the planning & input process

Overview of Draft Plan

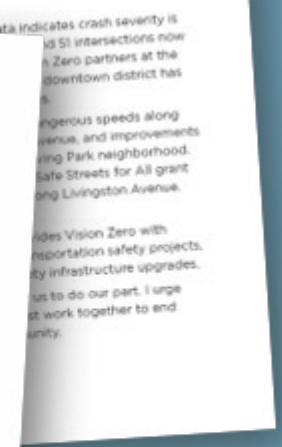
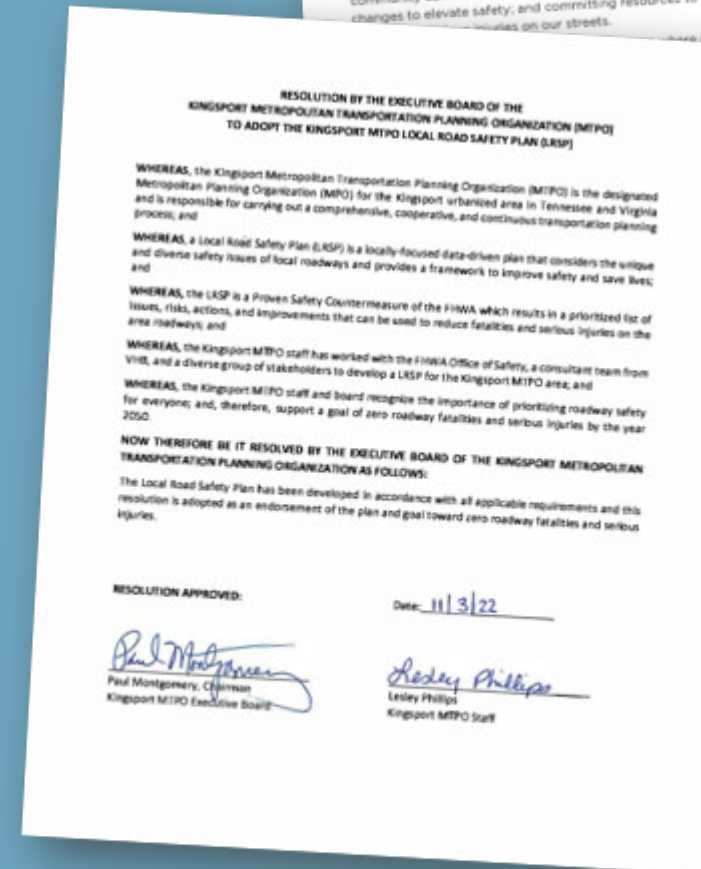
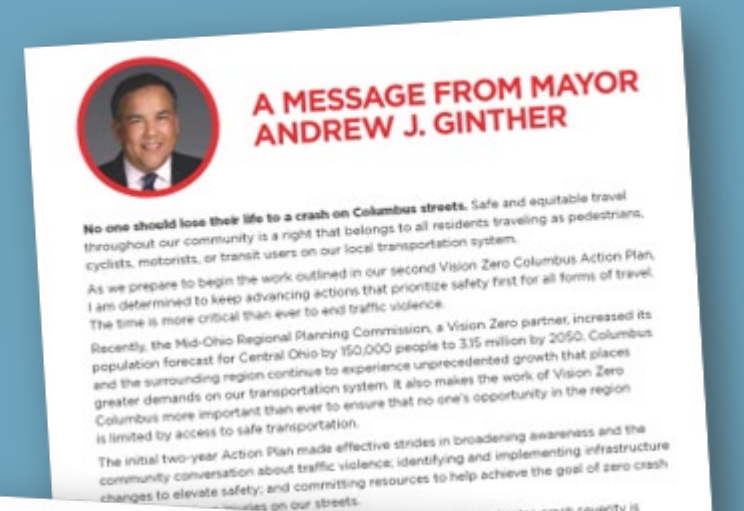
1. Introduction

SS4A Safety Action Plan

Leadership Commitment and Goal Setting

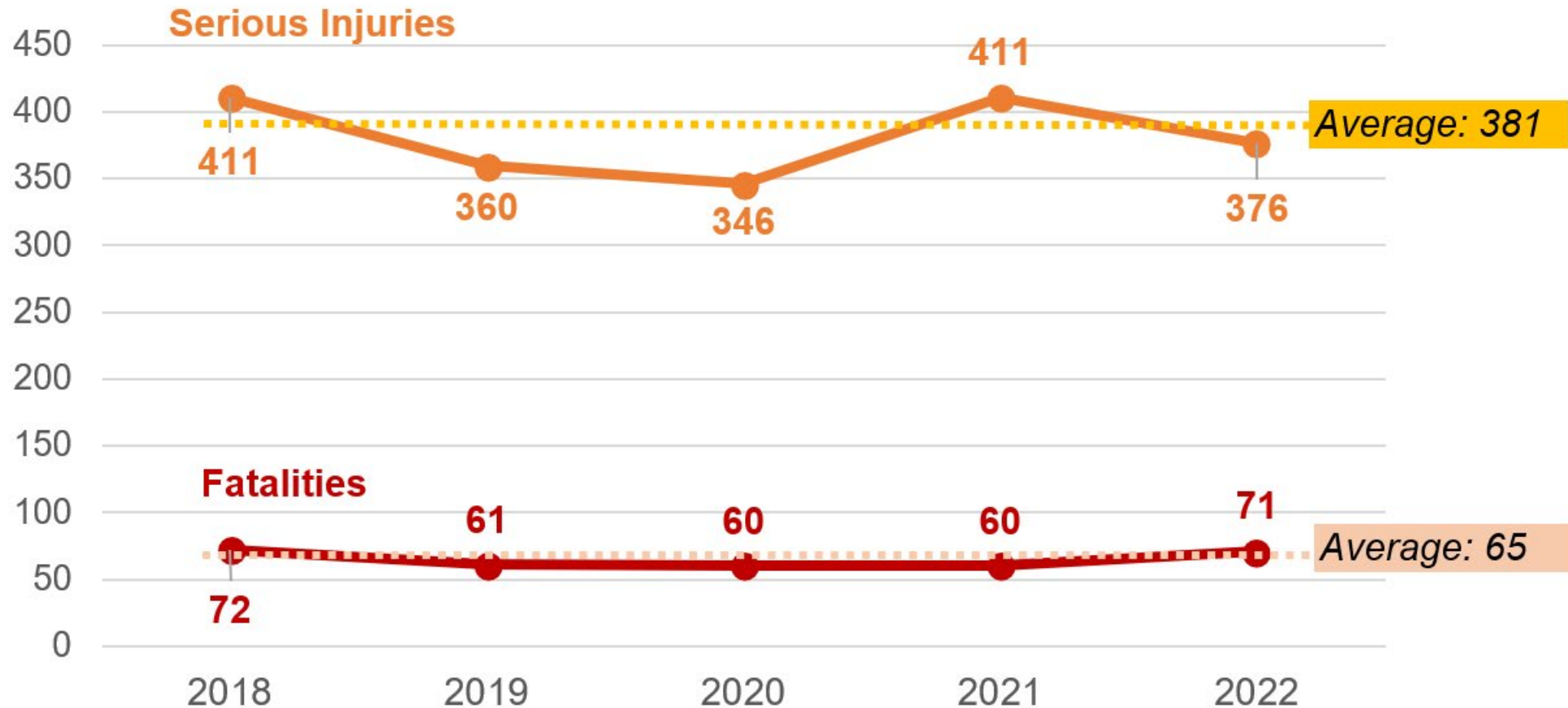
Target to reduce fatalities and serious injuries by 2% annually, to move toward the ultimate goal of zero roadway fatalities and serious injuries.

- CORPO Committee will adopt plan at May meeting and endorse target for CORPO by Resolution



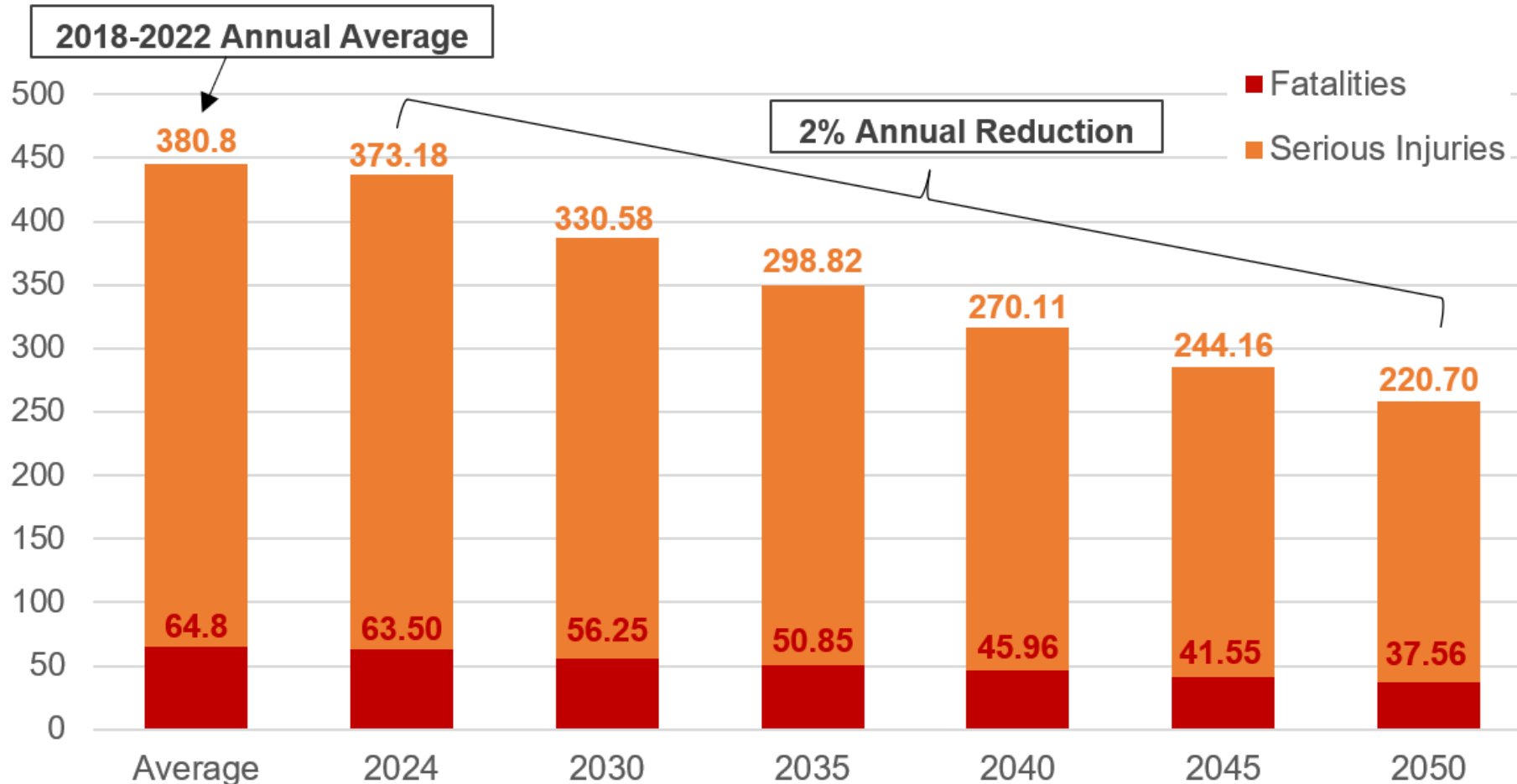
Action Plan – Goals

Fatalities & Serious Injuries (2018 – 2022)



Action Plan – Goals

Injury Reduction Estimates



Overview of Draft Plan

2. Current Conditions

SS4A Safety Action Plan

Current Conditions

Summarizes crash data from 2018-2022

- Current Five-Year Trends
- Types of Crashes
- Roadway Maintenance Authority
- Roadway Characteristics
- Vulnerable Road Users
- Contributing Factors
- Crash Data Overview by County

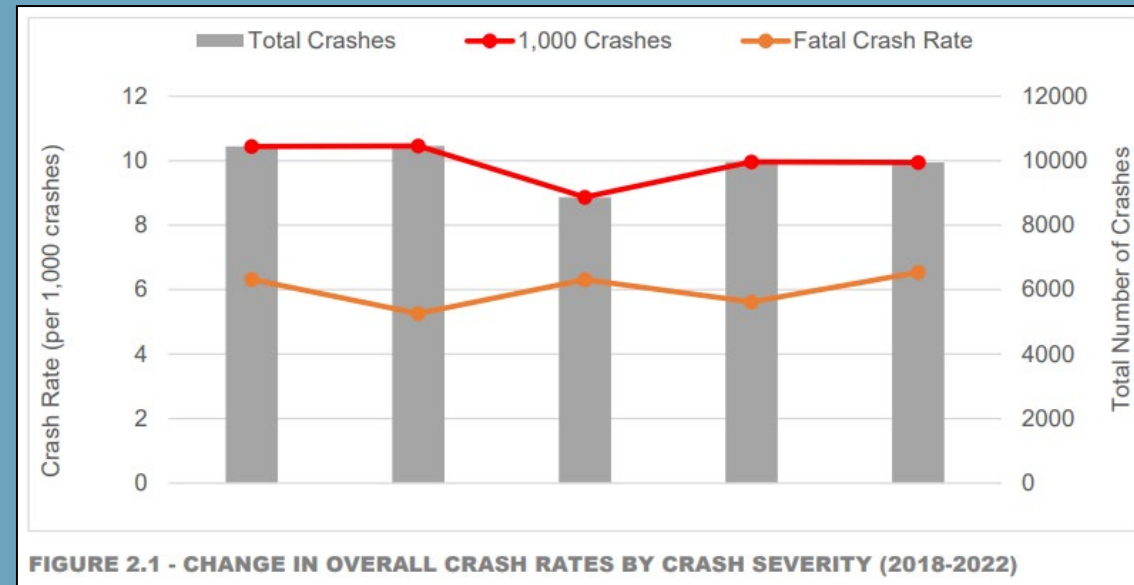


FIGURE 2.1 - CHANGE IN OVERALL CRASH RATES BY CRASH SEVERITY (2018-2022)

| | ODOT Maintained | County Highway Agency | Municipal Agency | Township Agency |
|---------------------|-----------------|-----------------------|------------------|-----------------|
| Angle | 51.7% | 18.5% | 22.9% | 6.4% |
| Animal | 50.0% | 25.0% | 3.6% | 21.4% |
| Fixed Object | 44.6% | 31.5% | 12.1% | 10.4% |
| Head On | 61.0% | 15.8% | 19.9% | 3.4% |
| Left Turn | 50.4% | 10.7% | 33.1% | 5.8% |
| Other non-Collision | 23.5% | 17.6% | 44.1% | 11.8% |
| Overturning | 51.1% | 34.1% | 6.8% | 6.8% |
| Parked Vehicle | 36.7% | 10.0% | 46.7% | 6.7% |
| Pedal cycles | 13.9% | 13.9% | 66.7% | 5.6% |
| Pedestrian | 33.3% | 10.1% | 54.5% | 1.0% |
| Rear End | 70.3% | 9.5% | 19.0% | 0.6% |
| Right Turn | 52.4% | 38.1% | 9.5% | 0.0% |
| Sideswipe - Passing | 61.2% | 16.5% | 20.0% | 1.2% |
| Grand Total | 49.5% | 21.5% | 21.6% | 6.6% |

TABLE 2.1 - PERCENTAGE OF FSI CRASHES BY ROADWAY MAINTENANCE AUTHORITY

Overview of Draft Plan

3. Regional Safety Priorities

Action Plan – Regional Safety Priorities

Emphasis Areas

Key factors identified in the crash data for prioritizing safety investments.

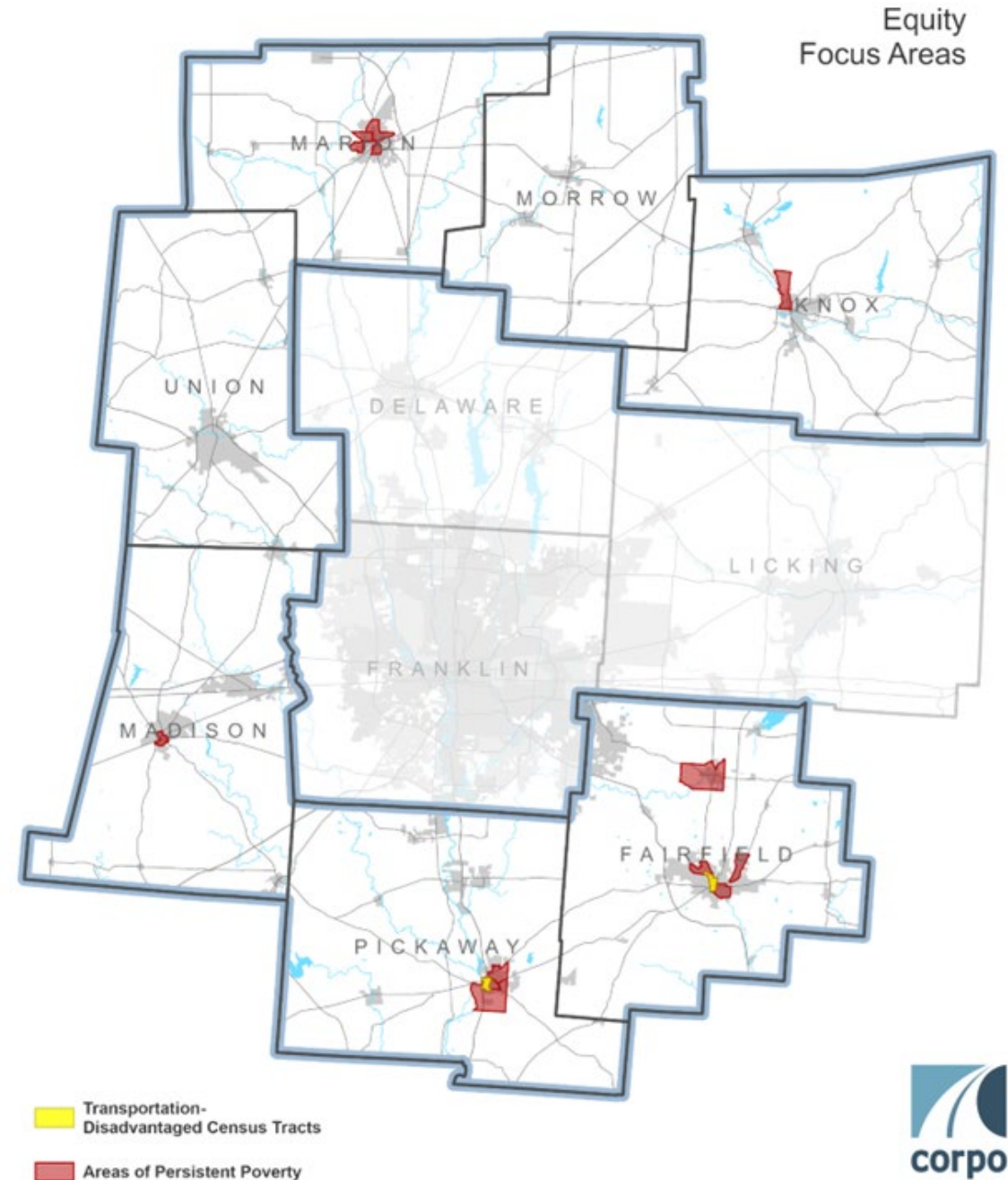
- **Severe Crash Types:**
 - *Fixed object & angle crashes = more than half of all FSI crashes*
- **Target Roadway Types:**
 - *Principal arterial, minor arterial, and major collector roads;*
 - *Major collector roadways with speed limits of 55 mph*
- **Vulnerable Roadway Users:**
 - *People walking and biking = less than 1% of crashes, more than 7% of FSI*
- **Contributing Factors:**
 - *Speed, impairment, young and older drivers, distracted driving, restraint use*

Regional Safety Priorities

Equity Considerations

Transportation system impacts are not distributed equitably across different communities.

- **Transportation Disadvantaged**
 - *1% of CORPO area population*
 - *>10% of VRU crashes*
- **Areas of Persistent Poverty**
 - *11% of CORPO area population*
 - *40% of VRU crashes*



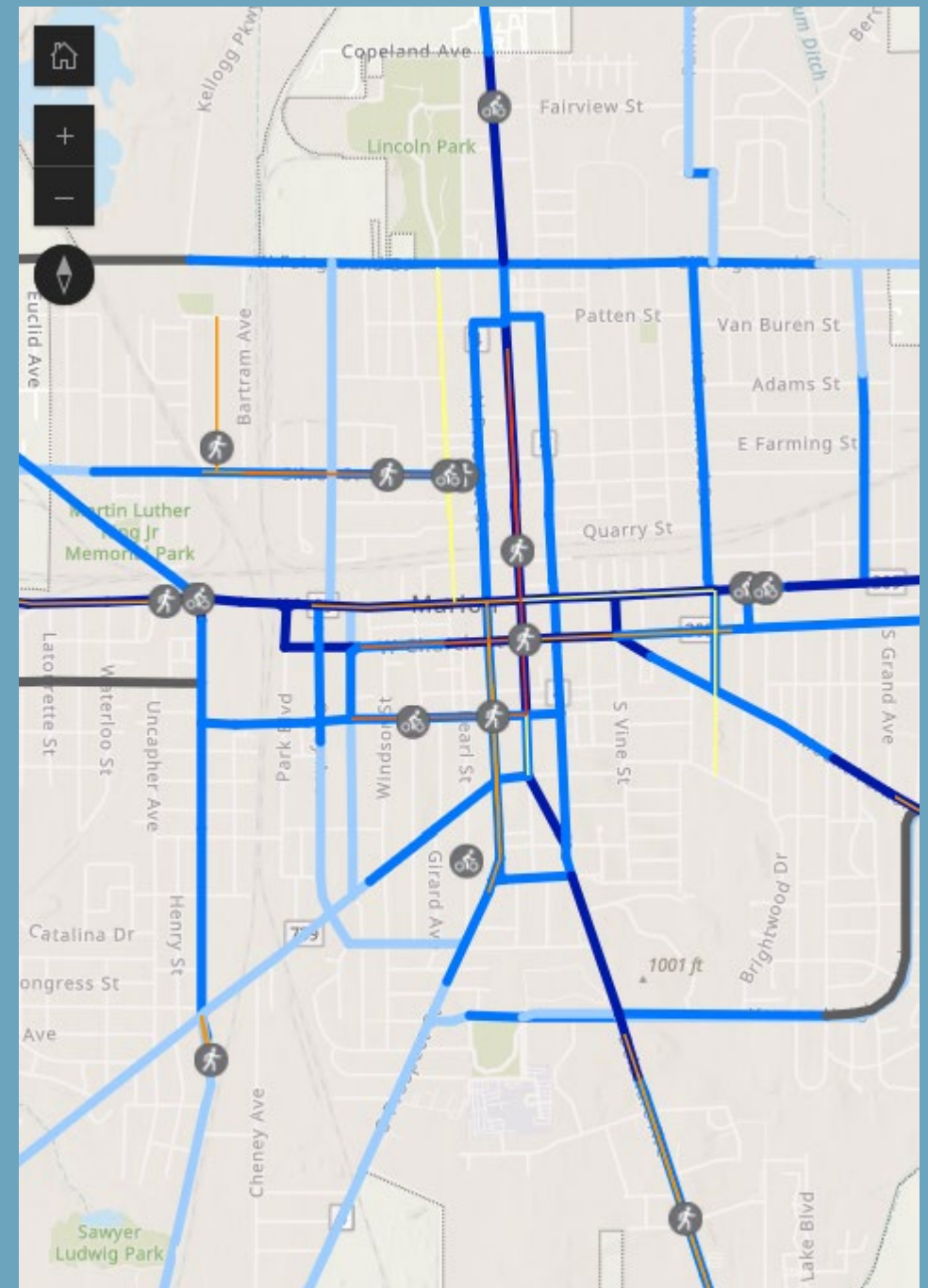
Regional Safety Priorities

Priority Safety Locations

Specific locations throughout the CORPO Planning Area to prioritize for safety investment.

- **High Injury Networks**
 - *Roadway segments with high concentration and severity of injury crashes by mode:*
 - *Pedestrian, Bicyclist, Motorized*
- **ODOT Systemic Safety Priorities**
 - *Pedestrian Safety Priority Corridors*
 - *Roadway Departure Priority Corridors*

www.morpc.org/programs-services/corpo-safety-action-plan



Overview of Draft Plan

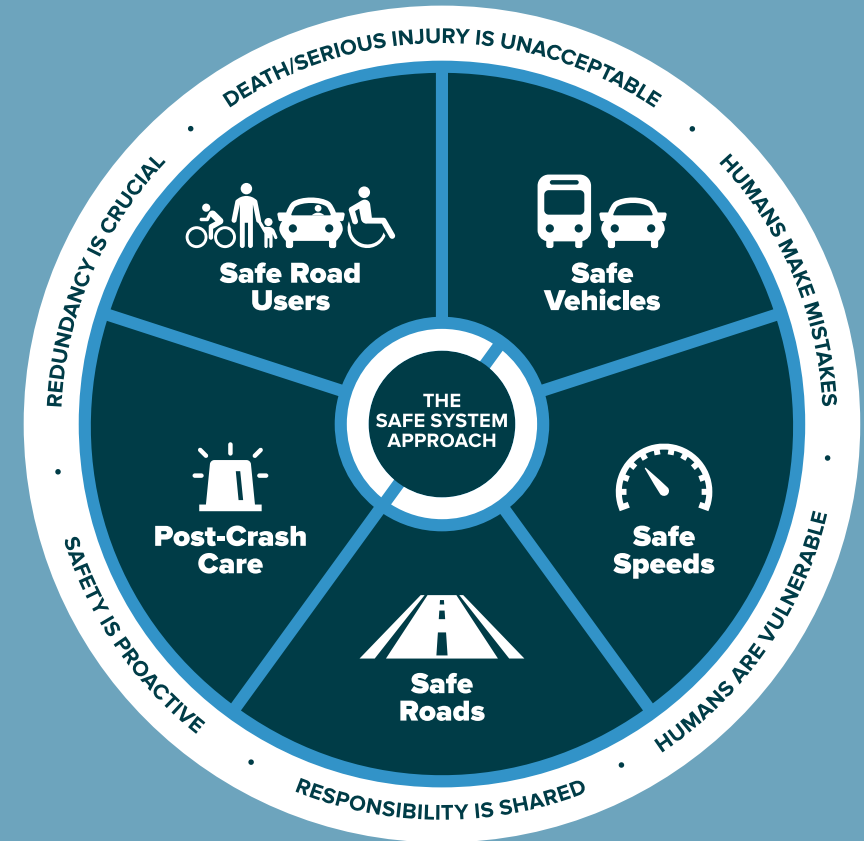
4. Strategies, Action Items, Project Selection

SS4A Safety Action Plan

Safe System Approach

Summarizes the strategies & action items identified to create progress toward achieving targets & recommendations for project identification & prioritization.

- Strategies
 - Reflect the Safe Systems Elements
- Action Items
 - Implement Strategies



Action Plan – Strategies

1 – SAFE ROADS

Create a transportation system that encourages safe behavior, accommodates human mistakes, reduces the severity of crashes, and facilitates safe travel for all road users.

2 - SAFE VEHICLES

Explore opportunities for education, research, and deployment of vehicle systems, features, and other technologies that help to prevent and mitigate the severity of crashes.

3- SAFE SPEEDS

Promote context-appropriate speeds through roadway design, education, and enforcement that prioritizes safety.

4- SAFE ROAD USERS

Encourage safe and responsible behavior for all road users by providing the services, conditions, education, and enforcement that prioritize their safety.

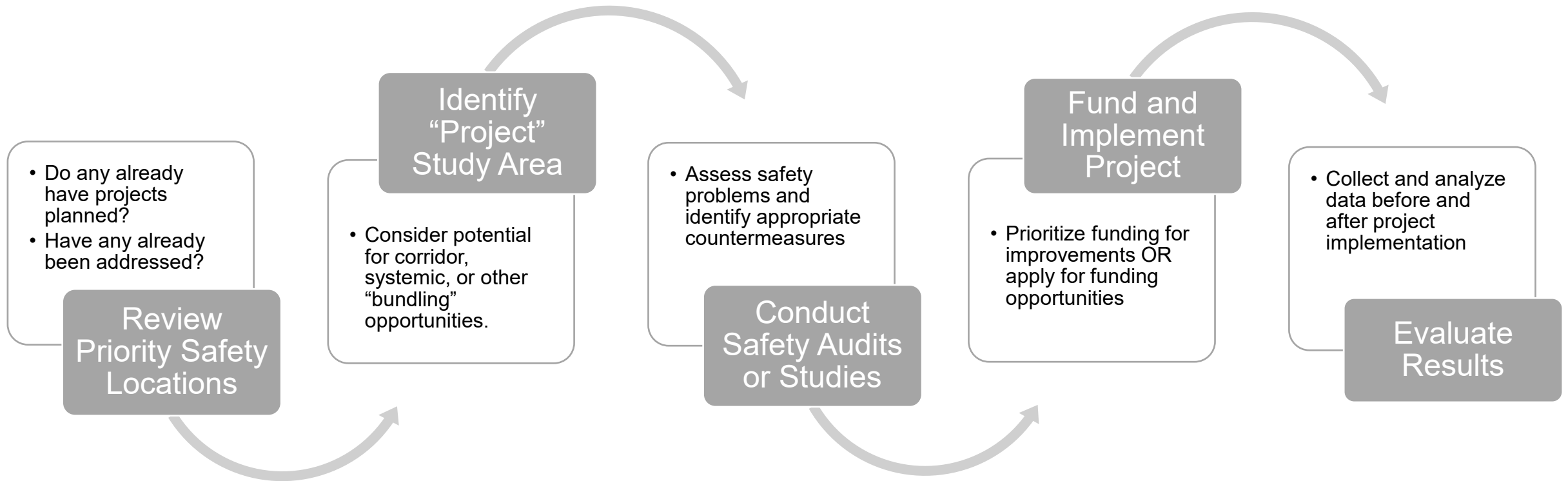
5- POST-CRASH CARE

Enhance the survivability of crashes by improving incident response systems as well as management practices that help to prevent secondary crashes.

6- SAFE SYSTEM

Collaborate across the Safe System Approach elements to identify and implement solutions that will reduce fatalities and serious injuries throughout Central Ohio.

Action Plan – Project Development



Project Development

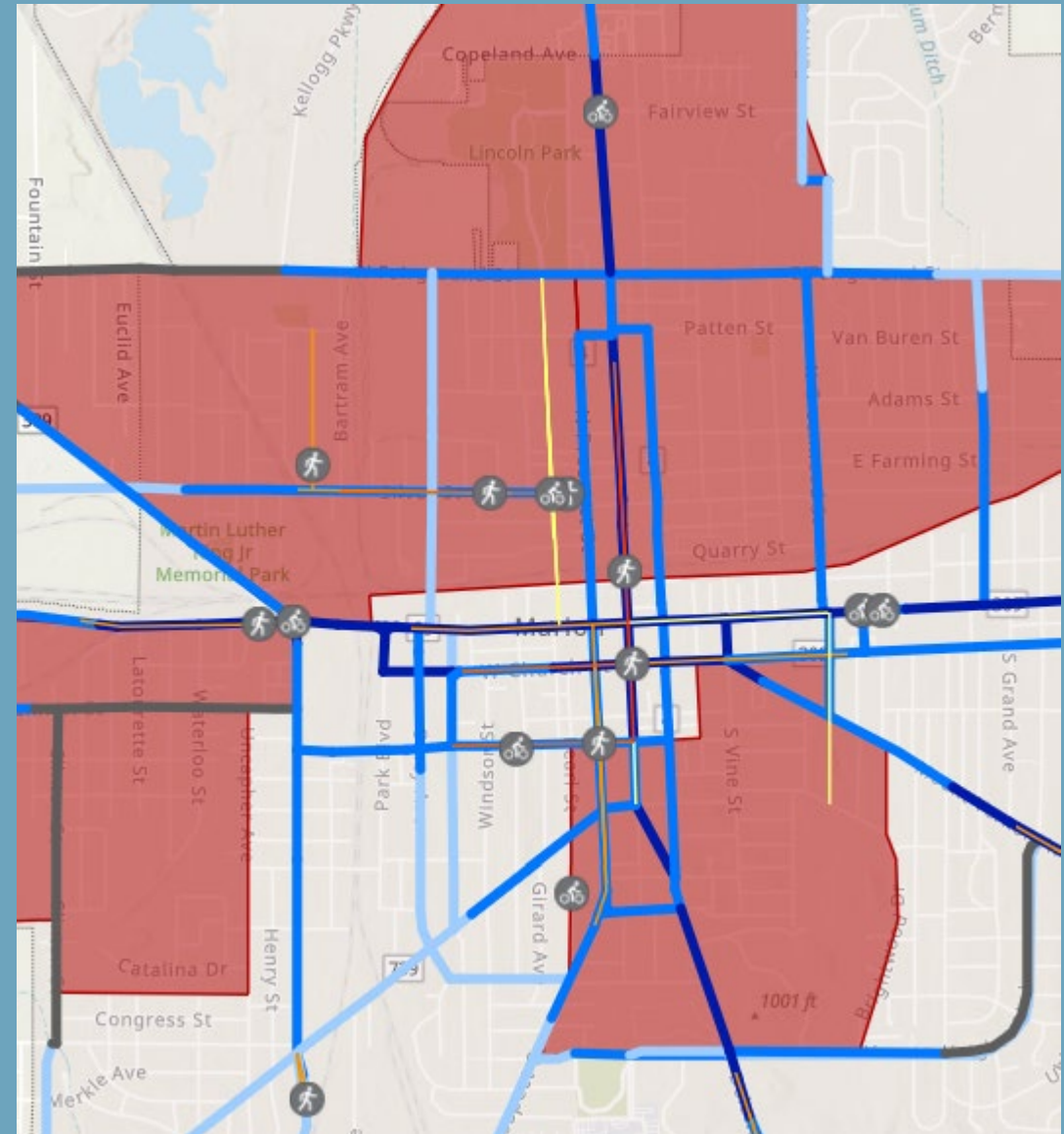
Project Identification Process

1. Review Priority Safety Locations

- Consider regional emphasis areas
- Use the interactive webmap
- Identify problem location(s) based on data layers in the map
 - Are there current project/initiatives underway/planned in this area?
 - Have the issues already been addressed through a recent project?
 - If the answer is no, then begin **Step 2**

www.morpc.org/programs-services/corpo-safety-action-plan

City of Marion



Project Development

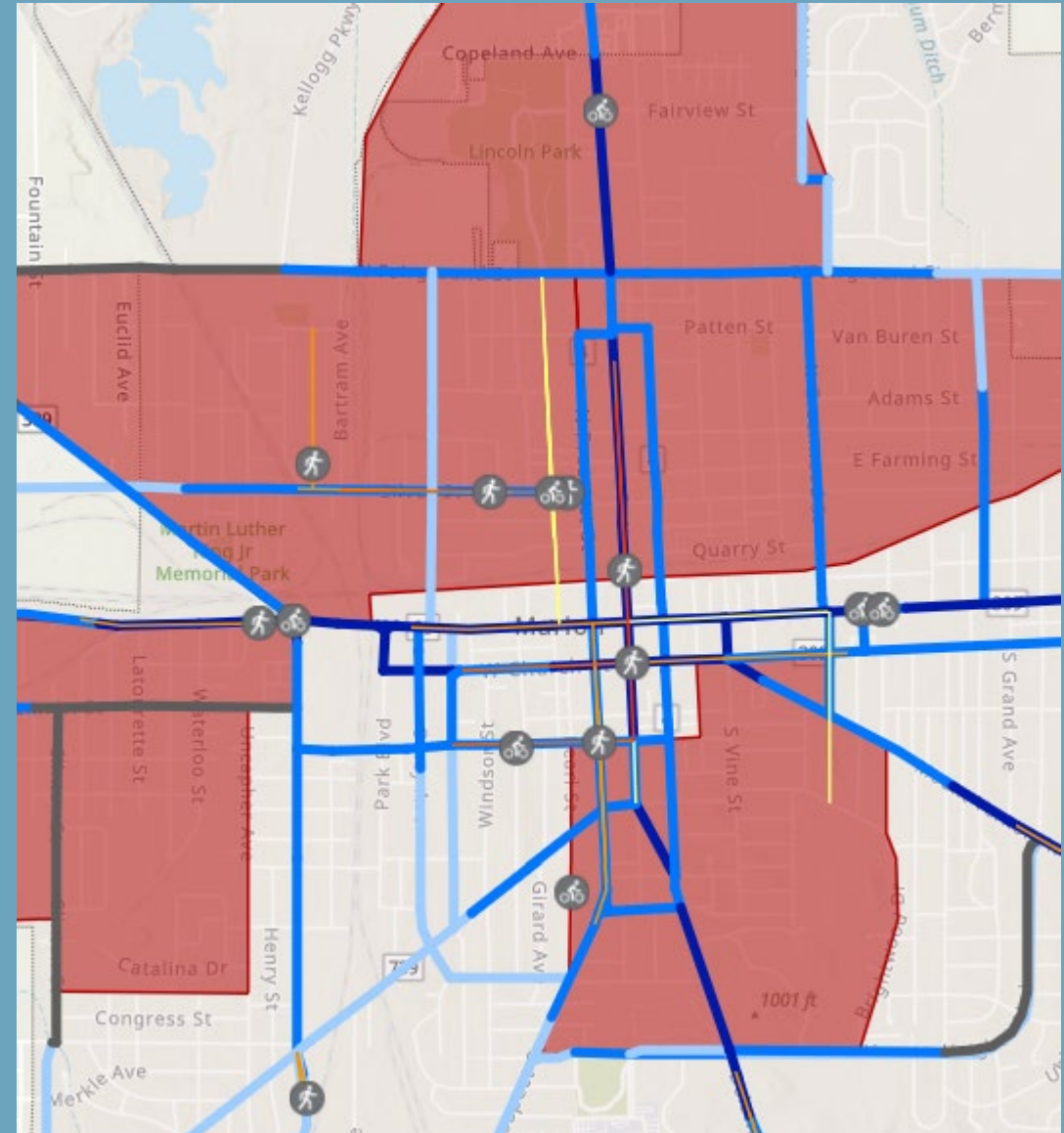
Project Identification Process

2. Identify “Project” Study Area

Two Potential Approaches:

- **Site-specific:** determine project location based on crash history, priority safety locations
- **Systemic:** determine sites proactively based on risks, rather than crash history. Involves multiple sites per project

City of Marion



Project Development

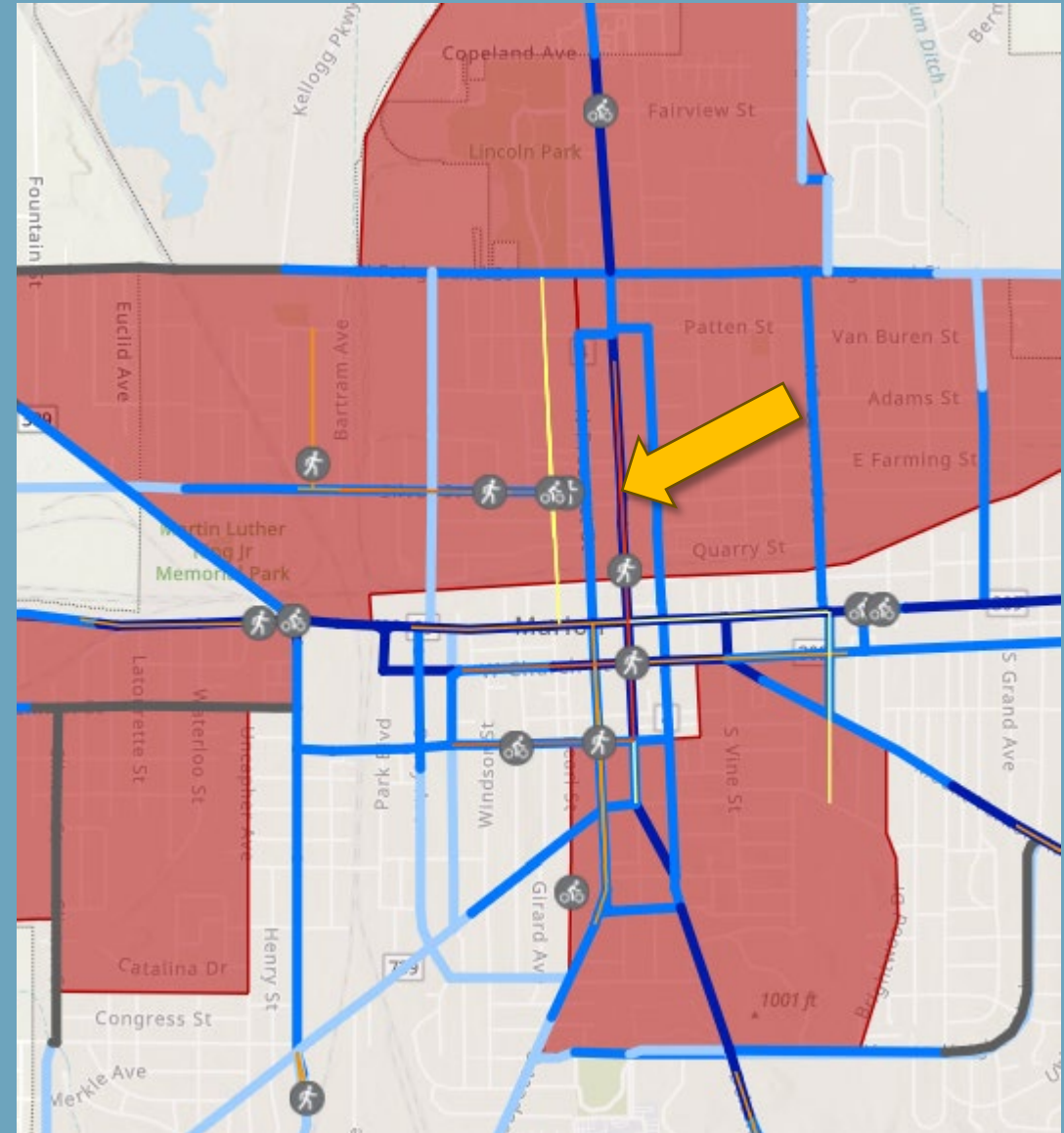
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City of Marion



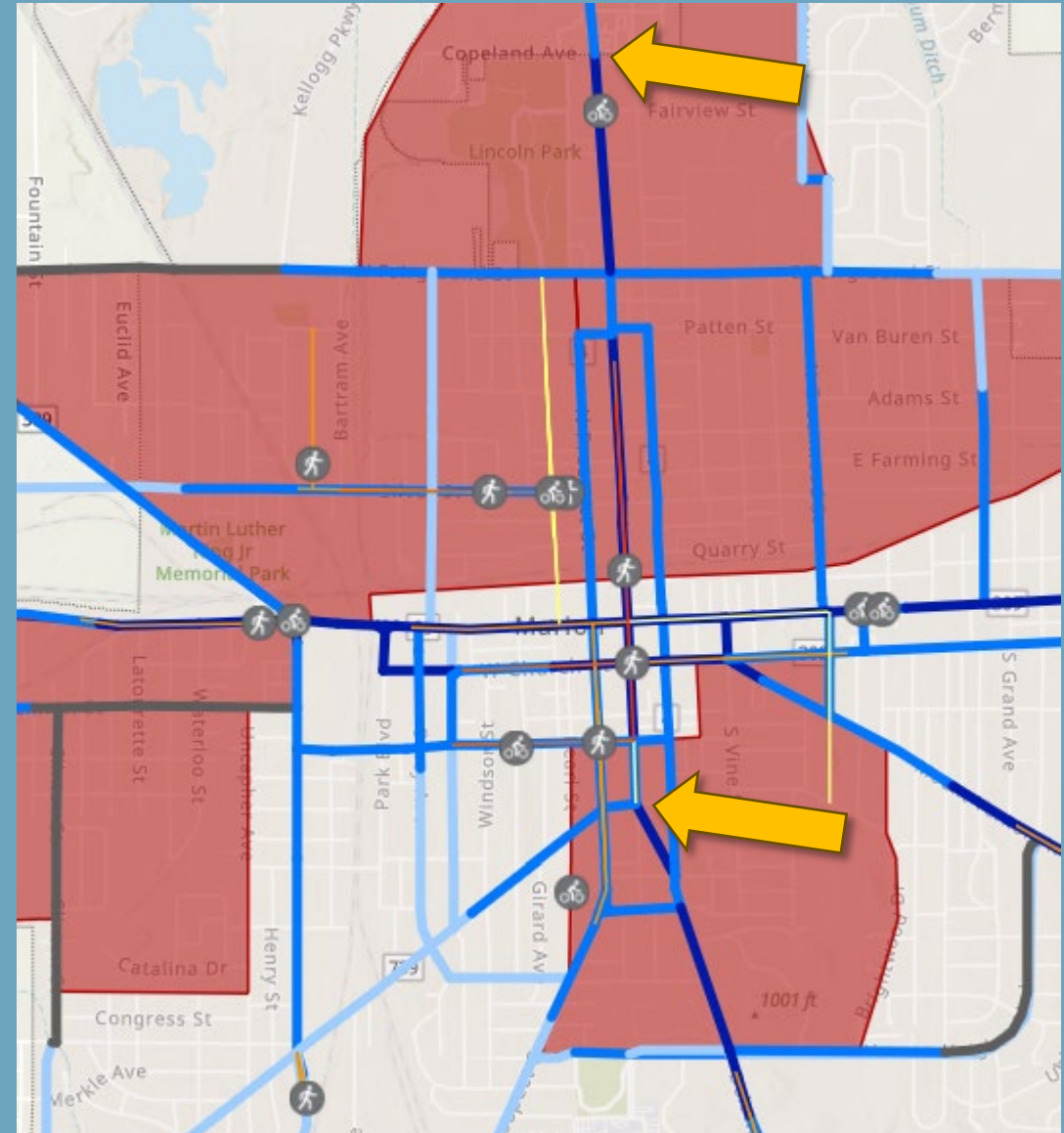
Project Development

Project Identification Process

2. Identify “Project” Study Area

- Study area boundaries could be based on various factors, *not limited to*:
 - Jurisdictional boundaries,
 - Existing roadway configurations,
 - Community needs,
 - Equity considerations,
 - Local priorities,
 - Recent or planned projects, etc.

City of Marion



Project Development

Project Identification Process

3. Conduct Road Safety Audits/Studies

- Depending on scope and scale:
 - *Full Safety Study, Pedestrian and Bicyclist RSA, Road Safety Audit (RSA), Walk Audit*
- Purpose: **identify specific safety challenges** within the study area, **recommend potential improvements**
- Engage partners & stakeholders across safe system elements
- Recommendations should include **Proven Safety Countermeasures**



Relevant Resources:

- ODOT [Safety Analysis Guidelines](#)
- FHWA [Road Safety Audit Guidelines](#)
- [Pedestrian and Bicyclist Road Safety Audit Guide and Prompt List](#)
- FHWA [Proven Safety Countermeasures](#)
- FHWA [Proven Safety Countermeasures In Rural Communities](#)

Project Development

Project Implementation

4. Fund & Implement Project

- Relevant agency should prioritize implementation of recommendations
- Apply for funding assistance as needed (*See Chapter 5*):
 - ODOT Highway Safety Program
 - SS4A Federal Funding
 - CORPO Dedicated Funds
 - Other

Project Development

Project Implementation

5. Evaluate Results

- Complete in tandem with project implementation
- Collect data regarding current conditions
- Use data to understand benefits of specific safety countermeasures, inform future decision-making

Potential Data to Track (Before and After):

- Traffic Volumes
- Non-Motorized User Volumes
- Total Crashes (and related performance measures)
- Vehicle Speeds
- Traffic Citations
- Near-Miss Events (if available)

SS4A Implementation Project Selection

SS4A FY24 NOFO

FY24 NOFO Now Open

2024 [Notice of Funding Opportunity](#) (NOFO) for Safe Streets and Roads for All grants

The FY 2024 NOFO has multiple deadlines:

- ~~April 4, 2024, 5 p.m. (EDT):~~ ~~Deadline #1 for Planning and Demonstration Grants.~~
- **May 16, 2024, 5 p.m. (EDT):** Sole deadline for Implementation Grants. Deadline #2 for Planning and Demonstration Grants.
- **August 29, 2024, 5 p.m. (EDT):** Deadline #3 for Planning and Demonstration Grants.

www.transportation.gov/grants/SS4A

Safe Streets and Roads for All (SS4A)

FY2024 GRANT

Purpose: Reduce or eliminate fatalities and serious injuries

Eligibility: MPOs, Cities, Towns, Counties, Tribal Governments, other local governments, combinations thereof

Funding: \$1,261,494,000 available (20% local match)

Types: Planning & Demonstration (\$461.5 M) or Implementation (\$780 M)

- Planning & Demonstration awards: \$100,000 to \$10,000,000 (*more for larger entities/applicant groups*)
- Implementation awards: \$2,500,000 to \$25,000,000

Primary Criteria:

- Number of Fatalities (2017-2021)
- Fatality Rate (per 100k population)
- Percent of Population in Underserved Community Census tracts

SS4A Planning & Demonstration Grant

ACTIVITY TYPES:

- 1. Develop an Action Plan;**
- 2. Conduct supplemental safety planning;**
 - Topical Safety Sub-plans
 - Road Safety Audits
 - Additional Safety Analysis
 - Targeted Equity Assessments
- 3. Carry out demonstration activities**
 - Feasibility Study via Quick-Build Testing
 - Pilot Educational Program
 - Pilot Technology Program

KEY NOFO DETAILS:

“Applicants may only apply for a single grant type, but both grant types have the option to include Planning and Demonstration projects under them.”

“The three different types of activities under Planning and Demonstration Grants can be bundled together into one application.”

“The development of, or updates to, an Action Plan must be the intended end result of each supplemental planning and demonstration activity.”

“Demonstration activities must measure potential benefits through data collection and evaluation...”

SS4A Planning & Demonstration Grant

SELECTION CRITERIA:

1. Safety Impact

- Count of roadway fatalities from 2017-2021
- Fatality rate, calculated using 5-year annual average from total count of fatalities / 2020 population

2. Equity

- Percentage of population within Underserved Community Census tracts

3. Additional Safety Context

How will the funded activities inform an Action Plan and support identification of projects/strategies that will:

- Lead to significant reduction or elimination of roadway fatalities and serious injuries
- Employ low-cost, high-impact strategies over large area
- Engage variety of public and private stakeholders
- Adopt innovative technologies
- Be evidence-based, or build evidence

Note: Applications are rated numerically based on Merit Criteria #1 Safety Impact and #2 Equity Criteria. Then Safety Context narrative is reviewed and assessed.

SS4A Implementation Grant

OVERVIEW:

Fund projects and strategies identified in an existing safety Action Plan

- Must be infrastructure, behavioral, or operational
- Must address identified safety problem(s)
- Can “bundle” projects, strategies, supplemental planning, and/or demonstration activities
- Complete the full scope within 5 years after the establishment of a grant agreement

www.transportation.gov/grants/ss4a/eligible-implementation-grant-projects

USDOT “Bonus” Criteria:

- High percentage of funds in underserved communities
- Rural areas
- Less than \$10M federal request
- Geographic diversity (across awardees)
- Safety Action Plan meets ALL criteria
- High FSI per \$1M in funding request

www.transportation.gov/grants/ss4a/action-plan-requirements

SS4A Implementation Grant

INELIGIBLE PROJECTS:

- Projects/strategies not in an Action Plan
- Projects/strategies primary purpose not safety
- Exclusive focus is non-roadway
- New roadway capital projects
- Projects primarily focused on capacity/LOS
- Regular maintenance activities; *unless in support of Action Plan safety project*
- Development or implementation of a public transportation agency safety plan



www.transportation.gov/grants/ss4a/eligible-implementation-grant-projects

SS4A Implementation Grant

Selection Criteria

DOT will assign an overall application rating based on ratings for criteria 1-4 (in order of importance).

1. Safety Impact

- Applicant's description of the safety problem
- Safety impact assessment
- Implementation costs

2. Equity, Engagement, and Collaboration

- Ensure equitable investment in safety needs of underserved (and/or rural) communities
- Demonstrate meaningful engagement
- Location has cumulative burden

3. Effective Practices and Strategies

- Application of policies, guidelines, and standards to improve decision making

- Incorporate Safe System Approach
- Coordination across policies, programs, plans (SHSP)

4. Other DOT Strategic Goals

- Climate and Sustainability
- Economic Competitiveness
- Workforce

5. Supplemental Planning and Demonstration

- *Only applicable if requesting funds to conduct supplemental planning and/or carry out demonstration activities.*

Other Important Items:

- Project Readiness
- *See "Bonus" Criteria on previous slide*

Anticipated Award Dates

May 2024

- Planning and Demonstration Grants

TBD 2024 (*between May and November*)

- Implementation Grants
- Additional Planning and Demonstration Grants

Before November 17, 2024

- Final Planning and Demonstration Grants

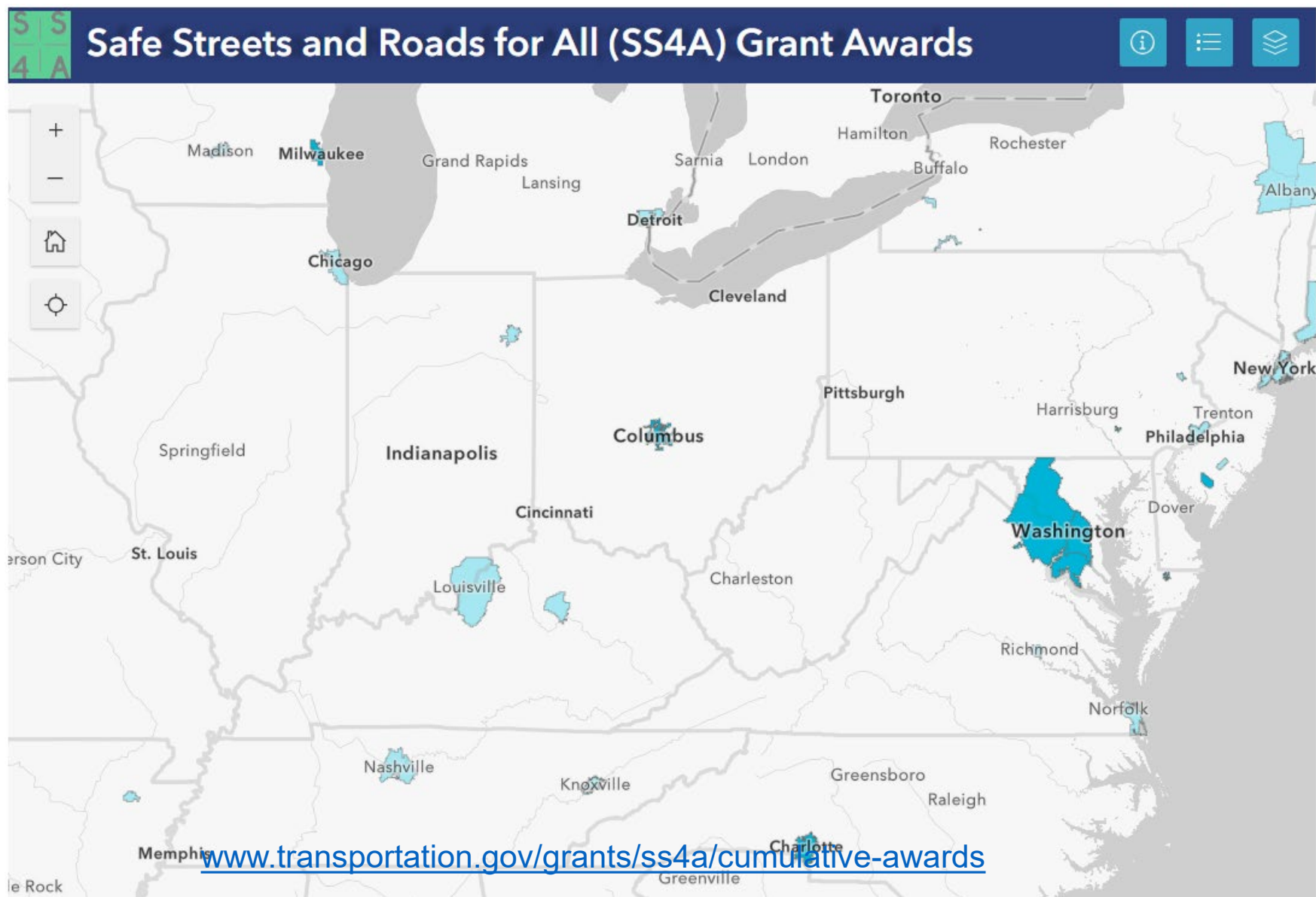
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FY 24 Grant Application Webinars

- [Action Plans webinar](#); passcode: **1Zb\$EbZ***
 - [Presentation slides: Action Plans](#)
- [Supplemental Planning and Demonstration webinar](#); passcode: wa*lhXd5
 - [Presentation slides: Supplemental Planning and Demonstration Activities](#)
- [Implementation Grants webinar](#); passcode: **!nk%qwp9**
 - [Implementation Grants presentation slides](#)

SS4A – Past Implementation Awards



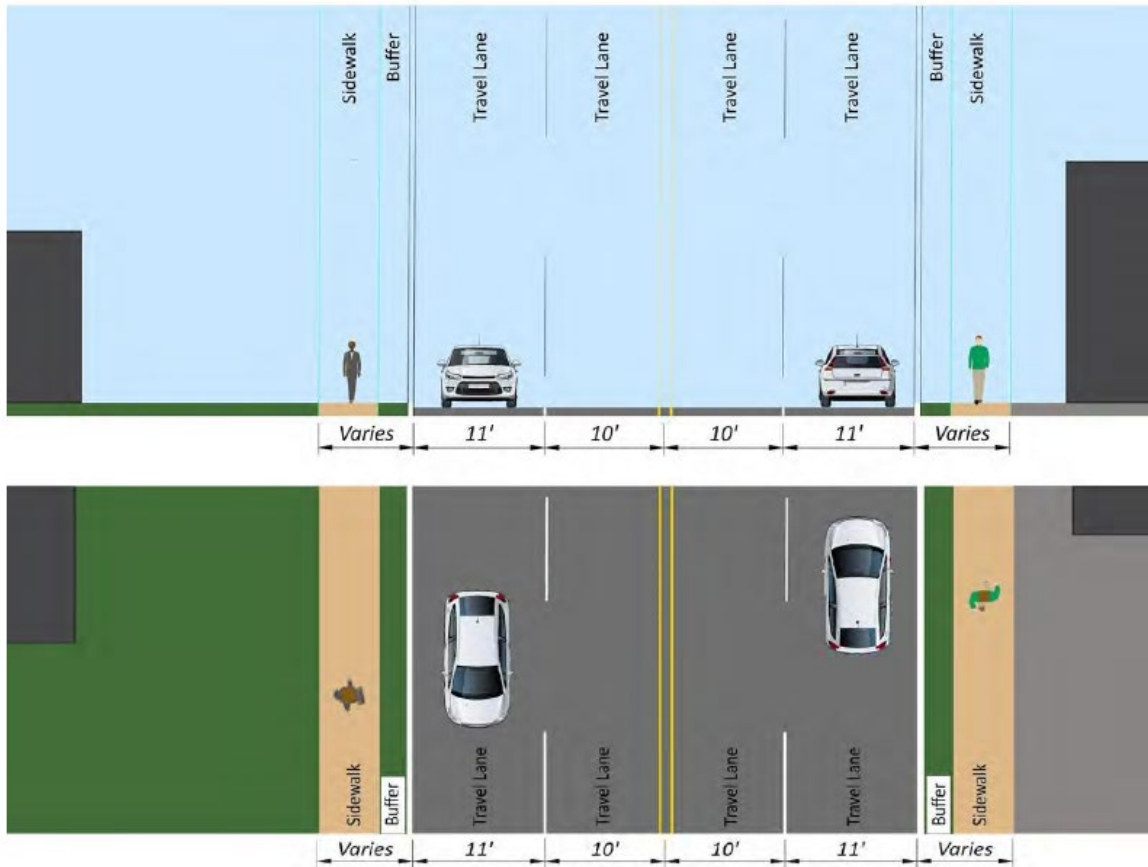
SS4A – Past Implementation Awards

City of Columbus – Livingston Avenue

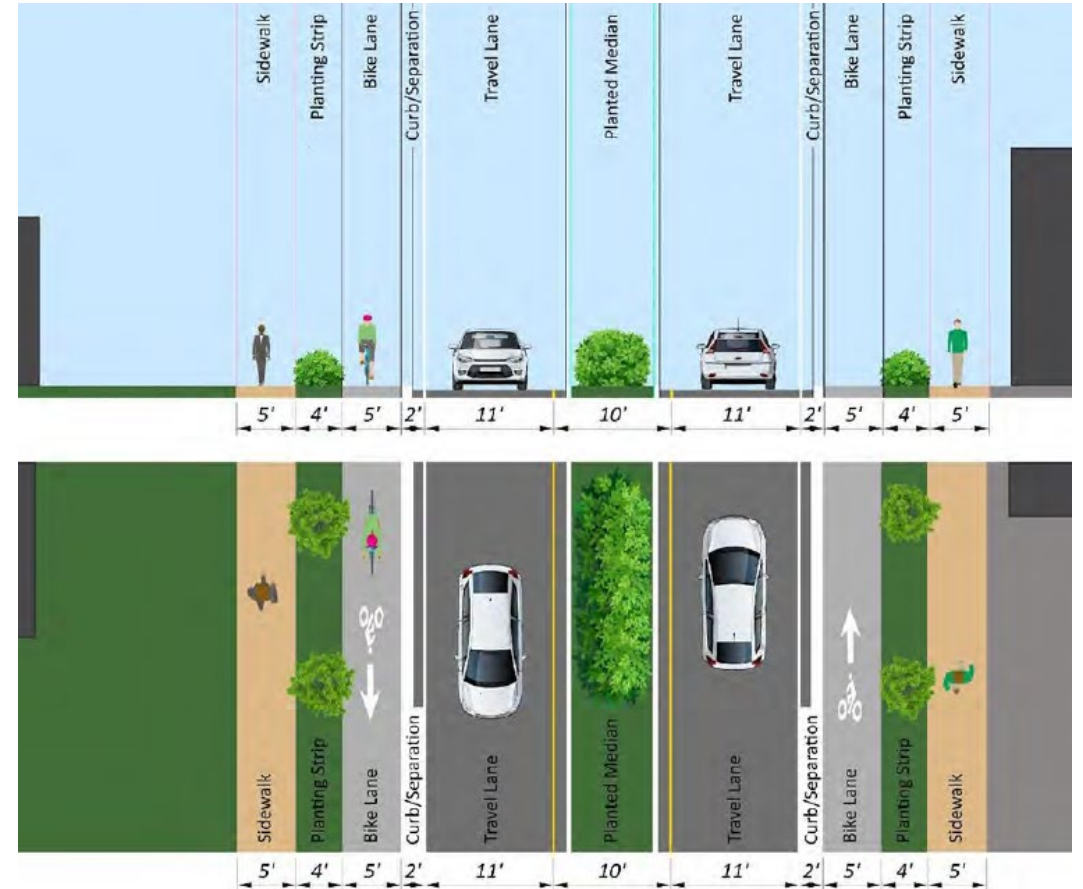
- 18th Street to Nelson Road – 1.5 mile corridor
- Total project cost: ~\$29 M
- SS4A funding award: \$12 M
- City and Regional High Injury Corridor
- 5-year crash data summary (2016-2020):
 - 2 Fatal crashes
 - 8 Serious Injury crashes
 - 39 VRU crashes

Livingston Avenue Project

CURRENT CONDITIONS



PROPOSED CONDITIONS



Livingston Avenue Project

CURRENT CONDITIONS



PROPOSED CONDITIONS



Next Steps & Wrap Up

Next Steps

- **Public Comment Period on Draft**
 - *Closes Friday, April 19*
- **CORPO Committee Meeting**
(Introduce Resolution to Adopt Plan)
 - *Monday, May 6 at 2pm*

Action Plan Timeline



| SCOPE TASKS | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN |
|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Project Administration | | | M1 | | | | | | | |
| Existing Conditions Analysis | | | | M2 | | | | | | |
| Safety Action Plan Development | | | | | M3 | M4 | | M5 | | |
| Public Input Survey | | | | | | | | | | |
| Public Comment on Draft Plan | | | | | | D | D | | | |
| Final Action Plan | | | | | | | | D | | |
| <i>CORPO Subcommittee Meetings</i> | M | | | | | | M* | | | |
| <i>CORPO Committee Meetings</i> | | | M | | | | | | M* | |
| <i>Action Plan Adoption</i> | | | | | | | | | ^ | |
| <i>FY24 SS4A Implementation</i> | | | | | | ** | | (4) | 16 | |

THANK YOU!

LAUREN CARDONI

Active Transportation and Safety Program Manager

T: 614.233.4128

lcardon@morpc.org

MARY TURNER

Senior Planner

T: 614.233.4138

mturner@morpc.org

