

## Technical Memo A - Action Plan

The following action plan is the foundation for the implementation of the CORPO Safety Action Plan. This Action Plan identifies specific action items for stakeholders in the CORPO region to implement as part of a broader effort to reduce fatalities and serious injuries by 2% annually on the region's roadways. In addition to specific strategies, the action plan includes recommended implementation timelines and performance measures for each action item. These metrics will help in monitoring the impact and efficacy of each action in moving rural Central Ohio toward the overall goals for each emphasis area. Each of these strategies must be executed in collaboration with key public, private, local, and regional stakeholders.

This action plan is intended to be a living document that will be monitored and adjusted over time to ensure that CORPO continues moving toward zero deaths. Additionally, this action plan is not financially constrained and may be revised over time based on available resources.

The six strategies guiding the Safety Action Plan were developed to align with the elements of the Federal Highway Administration's "Safe System Approach", and are a result of the data analysis, stakeholder guidance, and public input that informed the development of the Safety Action Plan. The Safe System approach is based on the idea that people make mistakes and that humans can only tolerate so much impact from crashes. Applying the Safe System approach means anticipating human errors and designing transportation networks to minimize risks. If a mistake causes a crash, the aim is to ensure that it does not result in death or serious injury.



Figure A.1 The Safe System Approach.  
Image Source: U.S. Department of Transportation



The six strategies are listed below.

ID	Safe System Element	Strategy
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 safe speeds on all streets through targeted and context-sensitive infrastructure and policy changes.
4	Safe Road Users	Encourage safe and responsible behavior for all road users through roadway design, education, and enforcement that prioritizes 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.

Each strategy includes corresponding action items that represent steps toward implementing the strategy. Below is an illustration and explanation of how strategies and action items are organized in this plan.

**#- Safe System Element**

*The strategy that corresponds with the Safe System element.*

ID	Action Item	Progress Measure	Timeframe	Lead Agency(ies)	Potential Partners
Strategy #- Action #	Description of the action item intended to implement the strategy.	Steps to complete and measure progress toward the action item.	Estimated timeframe for implementing the action item: <ul style="list-style-type: none"> <li>• Short-term: less than 2 years</li> <li>• Mid-term: 2 to 5 years</li> <li>• Long-term: more than 5 years</li> </ul>	The agency or agencies primarily responsible for implementing the action item.	Agencies to support or partner with the lead agency in implementing the action item.

## 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.*

ID	Action Item	Progress Measure	Timeframe	Lead Agency(ies)	Potential Partners
1-1	Conduct Road Safety Audits (RSA) at priority safety locations to identify proven safety countermeasures for implementation.	<ul style="list-style-type: none"> <li>Road Safety Audits conducted annually</li> </ul>	Short-term (0-2 years)	<ul style="list-style-type: none"> <li>CORPO/MORPC</li> <li>ODOT</li> <li>County &amp; City Engineers</li> </ul>	<ul style="list-style-type: none"> <li>Public Health Departments</li> <li>Safe Communities Coalitions</li> </ul>
1-2	Identify CORPO Transportation Plan projects that overlap with priority safety locations and explore opportunities to incorporate proven safety countermeasures (PSCs) into project design/development.	<ul style="list-style-type: none"> <li>CTP projects incorporating PSCs</li> </ul>	Short-term (0-2 years)	<ul style="list-style-type: none"> <li>CORPO/MORPC</li> <li>Project Sponsors</li> </ul>	<ul style="list-style-type: none"> <li>ODOT</li> <li>FHWA Ohio Division</li> </ul>
1-3	Identify critical gaps in the existing pedestrian and bicycle infrastructure networks, including the regional trail network, and prioritize implementation of those connections.	<ul style="list-style-type: none"> <li>Prioritized map or list of gaps</li> </ul>	Mid-term (2-5 years)	<ul style="list-style-type: none"> <li>CORPO/MORPC</li> <li>County &amp; City Engineers</li> </ul>	<ul style="list-style-type: none"> <li>ODOT</li> <li>Public Health Departments</li> <li>County Mobility Managers</li> </ul>
1-4	Utilize the ORDC Rail Crossing Community Impact Index and priority safety locations to prioritize at-grade rail crossings in need of safety improvements and pursue opportunities to eliminate or improve those crossings.	<ul style="list-style-type: none"> <li>Prioritized map or list of at-grade rail crossings</li> <li>funded projects</li> </ul>	Mid-term (2-5 years)	<ul style="list-style-type: none"> <li>CORPO/MORPC</li> <li>County &amp; City Engineers</li> </ul>	<ul style="list-style-type: none"> <li>ODOT</li> <li>Ohio Rail Development Commission (ORDC)</li> </ul>
1-5	Identify opportunities to incorporate proven safety countermeasures (PSCs) into standard roadway maintenance procedures.	<ul style="list-style-type: none"> <li>Number of maintenance projects incorporating PSCs annually</li> </ul>	Mid-term (2-5 years)	<ul style="list-style-type: none"> <li>ODOT</li> <li>Local Government Agencies</li> </ul>	<ul style="list-style-type: none"> <li>CORPO/MORPC</li> <li>FHWA Ohio Division</li> </ul>

1-6	Implement low-cost, quick-build safety improvements at strategic priority safety locations to pilot solutions for permanent construction.	<ul style="list-style-type: none"> <li>• Number of locations piloted annually</li> </ul>	Mid-term (2-5 years)	<ul style="list-style-type: none"> <li>• CORPO/MORPC</li> <li>• County and City Engineers</li> </ul>	<ul style="list-style-type: none"> <li>• ODOT</li> <li>• Public Health Departments</li> <li>• County Mobility Managers</li> </ul>
1-7	Pursue funding opportunities to implement safety projects at priority safety locations.	<ul style="list-style-type: none"> <li>• Grant applications or projects initiated</li> </ul>	Short-term (0-2 years)	<ul style="list-style-type: none"> <li>• CORPO/MORPC</li> <li>• County and City Engineers</li> </ul>	<ul style="list-style-type: none"> <li>• ODOT</li> </ul>
1-8	Identify corridors that have frequent slow-moving vehicles and determine if/where safety improvements might be needed to accommodate those vehicles.	<ul style="list-style-type: none"> <li>• Prioritized map or list of corridors</li> </ul>	Short-term (0-2 years)	<ul style="list-style-type: none"> <li>• CORPO/MORPC</li> <li>• County and City Engineers</li> </ul>	<ul style="list-style-type: none"> <li>• ODOT</li> </ul>

## 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.*

ID	Action Item	Progress Measure	Timeframe	Lead Agency	Partners
2-1	Explore opportunities to implement Intelligent Transportation System (ITS) technologies to improve vehicle safety.	<ul style="list-style-type: none"> <li>Number of projects incorporating ITS</li> </ul>	Long-term (5+ years)	<ul style="list-style-type: none"> <li>Local Government Agencies</li> </ul>	<ul style="list-style-type: none"> <li>CORPO/MORPC</li> <li>Researchers</li> <li>Vehicle Manufacturers</li> </ul>
2-2	Identify opportunities to improve the function of emerging vehicle safety features (e.g., lane departure warnings, etc.) through regular roadway maintenance practices (e.g., enhanced pavement markings, etc.).	<ul style="list-style-type: none"> <li>Researched opportunities included in roadway maintenance projects and practices</li> </ul>	Mid-term (2-5 years)	<ul style="list-style-type: none"> <li>County Engineers</li> </ul>	<ul style="list-style-type: none"> <li>ODOT</li> <li>Vehicle Manufacturers</li> <li>Researchers</li> </ul>
2-3	Collaborate with partners to pilot emerging vehicle and safety technologies.	<ul style="list-style-type: none"> <li>Number of technology pilot projects or efforts</li> </ul>	Mid-term (2-5 years)	<ul style="list-style-type: none"> <li>CORPO/MORPC</li> </ul>	<ul style="list-style-type: none"> <li>ODOT</li> <li>Vehicle Manufacturers</li> <li>Researchers</li> </ul>
2-4	Provide regular training on safe operation of work vehicles to all employees using fleet vehicles.	<ul style="list-style-type: none"> <li>Number of trainings conducted</li> </ul>	Short-term (0-2 years)	<ul style="list-style-type: none"> <li>Local Government Agencies</li> </ul>	<ul style="list-style-type: none"> <li>ODOT</li> <li>Public Health Departments</li> </ul>
2-5	Explore opportunities to update fleet vehicles with the latest safety technologies.	<ul style="list-style-type: none"> <li>Number of identified and distributed funding opportunities for potential upgrades or percent of fleets upgraded</li> </ul>	Mid-term (2-5 years)	<ul style="list-style-type: none"> <li>Local Government Agencies</li> </ul>	<ul style="list-style-type: none"> <li>CORPO/MORPC</li> </ul>
2-6	Explore opportunities to provide and/or promote regular vehicle maintenance to ensure that vehicles on our roadways are operating safely.	<ul style="list-style-type: none"> <li>Number of resources and events hosted or shared</li> </ul>	Short-term (0-2 years)	<ul style="list-style-type: none"> <li>ODPS</li> <li>Police, EMS, and Sheriff's departments</li> </ul>	<ul style="list-style-type: none"> <li>CORPO/MORPC</li> <li>Safe Communities Coalitions</li> <li>Public Health Departments</li> </ul>

### 3 - Safe Speeds

*Promote safe speeds on all streets through targeted and context-sensitive infrastructure and policy changes.*

ID	Action Item	Progress Measure	Timeframe	Lead Agency	Partners
3-1	Collaborate with ODOT on potential improvements to the Speed Zone Study process that emphasize identified safety priorities.	<ul style="list-style-type: none"> <li>Review and potentially update the Speed Zone Study process</li> </ul>	Short-term (0-2 years)	<ul style="list-style-type: none"> <li>ODOT</li> <li>CORPO/MORPC</li> </ul>	<ul style="list-style-type: none"> <li>County &amp; City Engineers</li> </ul>
3-2	Assess speeds in strategic priority safety locations to review posted speed limits and implement safety projects that encourage safe and appropriate travel speeds.	<ul style="list-style-type: none"> <li>Collect speed and speed violation data</li> <li>Identify priority locations for improvements</li> </ul>	Long-term (5+ years)	<ul style="list-style-type: none"> <li>County &amp; City Engineers</li> <li>ODOT</li> </ul>	<ul style="list-style-type: none"> <li>CORPO/MORPC</li> </ul>
3-3	Identify opportunities to address safety conflicts along high-speed roadways that transition into community centers or residential districts.	<ul style="list-style-type: none"> <li>List of or GIS analysis of speeds limits on corridors that transition through land uses</li> </ul>	Mid-term (2-5 years)	<ul style="list-style-type: none"> <li>County &amp; City Engineers</li> <li>ODOT</li> </ul>	<ul style="list-style-type: none"> <li>CORPO/MORPC</li> </ul>
3-4	Identify opportunities to incorporate speed management strategies and self-enforcing roadway design into project development.	<ul style="list-style-type: none"> <li>Number of planned infrastructure projects with speed-mitigating design elements</li> </ul>	Mid-term (2-5 years)	<ul style="list-style-type: none"> <li>County &amp; City Engineers</li> <li>ODOT</li> </ul>	<ul style="list-style-type: none"> <li>CORPO/MORPC</li> </ul>

## 4 - Safe Road Users

*Encourage safe and responsible behavior for all road users through roadway design, education, and enforcement that prioritizes safety.*

ID	Action Item	Progress Measure	Timeframe	Lead Agency	Partners
4-1	Develop locally tailored "Countermeasures that Work" guidebooks using the NHTSA online toolkit. Identify specific countermeasures for implementation locally based on identified safety priorities.	<ul style="list-style-type: none"> <li>Number of toolkits developed or shared</li> </ul>	Short-term (0-2 years)	<ul style="list-style-type: none"> <li>Safe Communities Coalitions</li> </ul>	<ul style="list-style-type: none"> <li>Local Law Enforcement</li> <li>County and City Engineers</li> </ul>
4-2	Collaborate with local law enforcement to conduct strategic, high-visibility enforcement events based on identified safety priorities at identified priority safety locations.	<ul style="list-style-type: none"> <li>Number of enforcement events hosted</li> </ul>	Mid-term (2-5 years)	<ul style="list-style-type: none"> <li>CORPO/MORPC</li> </ul>	<ul style="list-style-type: none"> <li>Law enforcement agencies</li> </ul>
4-3	Collaborate with partners to increase access to programs and services that provide mobility options for community members who cannot or choose not to drive – particularly older adults.	<ul style="list-style-type: none"> <li>Percent of communities with mobility services or programs</li> </ul>	Mid-term (2-5 years)	<ul style="list-style-type: none"> <li>Mobility service providers</li> </ul>	<ul style="list-style-type: none"> <li>County Mobility Managers, Public Health Departments, COAAA</li> </ul>
4-4	Identify opportunities to conduct CarFit events more regularly at locations throughout the CORPO region. These events should emphasize older road user safety but provide safety education to and for everyone.	<ul style="list-style-type: none"> <li>CarFit events hosted annually</li> </ul>	Long-term (5+ years)	<ul style="list-style-type: none"> <li>Safe Communities Coalitions, COAAA</li> </ul>	<ul style="list-style-type: none"> <li>County Mobility Managers, Public Health Departments</li> </ul>
4-5	Prioritize and improve upon education and outreach efforts focused on the identified safety priorities and target audiences.	<ul style="list-style-type: none"> <li>Number of campaigns or events hosted and materials produced or improved</li> </ul>	Long-term (5+ years)	<ul style="list-style-type: none"> <li>Safe Communities Coalitions</li> </ul>	<ul style="list-style-type: none"> <li>Public health departments</li> </ul>

## 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.*

ID	Action Item	Progress Measure	Timeframe	Lead Agency	Partners
5-1	Promote and raise awareness of “Move Over” law and safe driving tips regarding behavior around crashes.	<ul style="list-style-type: none"> <li>Number of campaigns or events hosted</li> </ul>	Short-term (0-2 years)	<ul style="list-style-type: none"> <li>Safe Communities Coalitions</li> </ul>	<ul style="list-style-type: none"> <li>Public Health Departments</li> <li>ODPS</li> <li>Local Law Enforcement</li> </ul>
5-2	Evaluate current procedures for traffic incident management and any needs or potential for improvement.	<ul style="list-style-type: none"> <li>Number of reviews performed, and improvements or updates made</li> </ul>	Short-term (0-2 years)	<ul style="list-style-type: none"> <li>County and City Engineers</li> </ul>	<ul style="list-style-type: none"> <li>Local Law Enforcement</li> <li>EMS Personnel</li> </ul>
5-3	Leverage transportation rights-of-way in expanding broadband and communications networks to improve response and emergency communications as well as deployment of ITS technologies.	<ul style="list-style-type: none"> <li>Percent of the region with access to broadband and communications networks</li> <li>Number of communities with dedicated communications channels or infrastructure for incident response teams</li> </ul>	Mid-term (2-5 years)	<ul style="list-style-type: none"> <li>Local Government Agencies</li> <li>County Engineers</li> <li>ODOT</li> </ul>	<ul style="list-style-type: none"> <li>EMS Personnel</li> <li>Communications Carriers</li> </ul>
5-4	Implement or enhance traffic signal pre-emption at key locations and ensure relevant emergency vehicles are equipped with appropriate technology to utilize these features.	<ul style="list-style-type: none"> <li>Percent of signals with pre-emption and percent of emergency vehicles equipped with technology to utilize preemption</li> </ul>	Long-term (5+years)	<ul style="list-style-type: none"> <li>ODOT</li> <li>ODPS</li> <li>County Engineers</li> <li>EMS Personnel</li> </ul>	<ul style="list-style-type: none"> <li>CORPO/MORPC</li> <li>Local Government Agencies</li> </ul>



## 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.*

ID	Action Item	Progress Measure	Timeframe	Lead Agency	Partners
6-1	Establish commitments to reach the goal of zero fatalities and serious injuries in local CORPO jurisdictions.	<ul style="list-style-type: none"> <li>Number of commitments adopted</li> </ul>	Mid-term (2-5 years)	<ul style="list-style-type: none"> <li>CORPO/MORPC</li> </ul>	<ul style="list-style-type: none"> <li>Local Government Agencies</li> </ul>
6-2	Incorporate targets from the Safety Action Plan to reduce fatalities and serious injuries into the CORPO Transportation Plan to emphasize that safety is a regional priority.	<ul style="list-style-type: none"> <li>Targets included in an update to the CORPO Transportation Plan</li> </ul>	Mid-term (2-5 years)	<ul style="list-style-type: none"> <li>CORPO/MORPC</li> </ul>	<ul style="list-style-type: none"> <li>CORPO Committee and CORPO County Subcommittees</li> </ul>
6-3	Collect new data and improve existing data needed to conduct relevant safety analyses throughout the CORPO planning area.	<ul style="list-style-type: none"> <li>Amount of new and accurate or updated data collected</li> </ul>	Mid-term (2-5 years)	<ul style="list-style-type: none"> <li>CORPO/MORPC</li> </ul>	<ul style="list-style-type: none"> <li>ODOT, ODPS</li> </ul>
6-4	Collaborate with partners to identify new opportunities for implementing innovative approaches to mitigating severe crashes.	<ul style="list-style-type: none"> <li>Number of grant applications or projects initiated</li> </ul>	Mid-term (2-5 years)	<ul style="list-style-type: none"> <li>CORPO/MORPC</li> </ul>	<ul style="list-style-type: none"> <li>ODOT</li> <li>ODPS</li> <li>Public Health Departments</li> </ul>
6-5	Host and share opportunities for partners to engage in relevant trainings, education, etc. to develop regional knowledge of the Safe System Approach and related resources.	<ul style="list-style-type: none"> <li>Number of events or opportunities hosted and shared</li> </ul>	Mid-term (2-5 years)	<ul style="list-style-type: none"> <li>CORPO/MORPC</li> </ul>	<ul style="list-style-type: none"> <li>ODOT, ODPS</li> </ul>
6-6	Build upon existing partnerships for regular post-crash reviews to integrate the Safe System Approach and expand the recommendations for action.	<ul style="list-style-type: none"> <li>Frequency of post-crash reviews and number of partners participating in reviews</li> </ul>	Short-term (0-2 years)	<ul style="list-style-type: none"> <li>Safe Communities Coalitions</li> </ul>	<ul style="list-style-type: none"> <li>County Engineers</li> <li>County Sheriff's Offices</li> <li>ODPS</li> </ul>

6-7	Pursue opportunities for training and supporting local police forces to improve crash reporting processes and data accuracy.	<ul style="list-style-type: none"> <li>• Number of opportunities pursued, supported, and shared</li> </ul>	Mid-term (2-5 years)	<ul style="list-style-type: none"> <li>• ODPS</li> <li>• Police Departments</li> </ul>	<ul style="list-style-type: none"> <li>• Local Government Agencies</li> </ul>
6-8	Review local transportation plans, comprehensive plans, land use plans, zoning codes, as well as local policies and procedures, etc. for opportunities to incorporate best practices related to roadway design and transportation safety planning.	<ul style="list-style-type: none"> <li>• Number of plans, codes, and procedures updated or adopted</li> </ul>	Short-term (0-2 years)	<ul style="list-style-type: none"> <li>• Local Government Agencies</li> </ul>	<ul style="list-style-type: none"> <li>• CORPO/MORPC</li> </ul>