

Citizens Advisory Committee (CAC) Meeting

Marion County Public Library- Meeting Room B 2720 E. Silver Springs Blvd. Ocala, FL 34470 1:00 PM

MINUTES

Members Present:

Davis Dinkins Michelle Shearer Richard Howard Steve Rudnianyn Travis Magamoll (arrived at 1:11pm)

Members Not Present:

Richard McGinley Suzanne Mangram

Others Present:

Rob Balmes Shakayla Irby Sarah McNamara, FDOT Tyler Burgett, FDOT Franco Saraceno, Kittelson & Associates (via WebEx)

Item 1. Call to Order and Roll Call

Vice-Chairwoman Michelle Shearer called the meeting to order at 1:03pm and Secretary Shakayla Irby called the roll, there was a quorum present.

Item 2. Proof of Publication

Secretary Shakayla Irby stated the meeting had been published online to the TPO's website, as well as the City of Ocala, Belleview, Marion County, and Dunnellon's websites on February 1, 2022. The meeting had also been published to the TPOs Facebook and Twitter pages.

Item 4A. Performance Management Safety Targets

Mr. Balmes presented on the Performance Management Safety Targets.

The Moving Ahead for Progress in the 21st Century Act (MAP-21) required State DOTs and TPOs/MPOs to conduct performance-based planning by tracking performance measures and setting data-driven targets to improve those measures.

The first of the performance measures that became effective in 2016 was assessing the conditions of roadway safety – PM1. By May 2018, all TPO/MPO's were required to establish safety targets and approve or update on an annual basis.

Specifically, the Ocala Marion TPO was required to update and adopt **Targets** for **five** required **Safety Performance Measures** established under MAP-21. For the current year, the TPO had to submit Safety targets to the Florida Department of Transportation (FDOT) no later than February 25, 2022.

There were five required safety performance measures:

- 1. Fatalities- Total number of fatalities involving a motor vehicle crash
- 2. Fatalities (Rate) Rate of fatalities per 100 Million Vehicle Miles Traveled (VMT)
- 3. Serious Injuries- Total number of serious injuries involving a motor vehicle crash
- 4. Serious Injuries (Rate) Rate of serious injuries per 100 Million Vehicle Miles Traveled (VMT)
- 5. Non-Motorized Fatalities & Serious Injuries- Number of non-motorized fatalities and number non-motorized serious injuries involving a motor vehicle crash

On an annual basis, the TPO had the opportunity to select one of two options regarding updating and submission of safety targets.

- 1. Adopt the state targets established by FDOT.
- 2. Develop its own quantifiable safety performance targets.

If the TPO were to adopt state targets, it was required to annually adopt the same targets until changes were made by FDOT.

Presently, the FDOT had adopted 0 for each of the five safety targets.

In 2018, when the process became a federal requirement, the TPO Board adopted its own specific safety performance targets to better track progress and reflect more accountability to the public. The targets reflected specific crash data for Marion County. For the past four years, the TPO Board had opted to follow the same approach of reviewing prior year target results, and adopting revised targets tied to a specific methodology involving five-year rolling averages and projected vehicle miles traveled (VMT).

The TPO's Target Setting Methodology was a follows:

- 1. Calculate Average Percent Change of the three most recent five-year rolling averages
 - #1 Fatalities
 - #3 Serious Injuries
 - #4 Non-motorized Fatalities and Serious Injuries
- 2. Project the Vehicle Miles Traveled (VMT) in 2021 and 2022 to calculated:
 - #2 Fatality rate per 100 Million VMT
 - #4 Serious Injury rate per 100 Million VMT

Two options were provided to the committee:

Option A

- Adopt 2022 Targets based on current methodology.
- Staff explore crash reduction factors for 2023 targets as part of Commitment to Zero.

Option B

- Adopt 0 for all five targets to reflect State Targets and Commitment to Zero.
- Staff explore crash reduction factors for 2023 targets as part of Commitment to Zero. With the understanding that when an MPO/TPO adopts State Targets, no changes can be made unless FDOT changes the State Targets.

The presentation that was given is attached to pages 6-29 of this set of minutes for reference.

The committee had discussion on the safety targets.

Mr. Magamoll asked if the Safety Targets and the Commitment to Zero were the same.

Mr. Balmes responded that the Safety Targets were an annual requirement to report on the five targets to FDOT to demonstrate how safety was applied to the plans and how safety was being monitored.

Mr. Dinkins said he would like to see how Marion County compared to other counties and statewide. He would also like to see the Census data to see how much Marion County had grown.

Ms. Shearer said she wondered if people that were on the roads were going faster and not paying attention contributing to the increase in accidents.

The committee had discussions on the safety targets and the best option for setting targets in Marion County.

Mr. Magamoll made a motion to accept Option A for the Performance Management Safety Targets. Mr. Howard seconded, and the motion passed unanimously.

3A. Transportation Resilience Guidance Paper

The TPO had been supported by Kittelson and Associates to complete the guidance paper on transportation resilience. The main purpose of the paper was to help better educate and inform the TPO about transportation resilience. The paper also provided consideration for how to integrate resilience into future transportation planning, and opportunities at the state and federal levels of government for grants and funding.

Transportation Resiliency was the ability to adapt to changing conditions and recovery from disruptions, such as major weather events. The impacts from both natural and human-related events could have significant and unexpected impacts to the Ocala/Marion transportation system.

Franco Saraceno, Kittelson and Associates, provided a presentation at the meeting to share highlights from the guidance paper and considerations for next steps.

The presentation that was given is attached to pages 30-49 of this set of minutes for reference.

Item 5. Consent Agenda

Mr. Howard made a motion to approve the Consent Agenda. Mr. Magamoll seconded, and the motion passed unanimously.

Item 6. Comments by FDOT

Ms. McNamara provided an updated construction report and highlighted project 439238-1 US 441 from SR 35 to SR 200 and said that median work under the bridge would begin within the week with a new contractor, CW Roberts. The estimated completion date for the project was fall 2022.

Item 7. Comments by TPO Staff

Mr. Balmes informed the committee that the 2021 TPO Annual Report was posted on the TPO's website to view https://ocalamariontpo.org/about-us/annual-report/. The Annual Report summarized the TPO program accomplishments in Ocala/Marion County in calendar year 2021. The report also included boards and committee leadership, along with major projects funded through the TPO process. To honor the TPO's 40th anniversary, a special timeline section was developed to highlight some of the major organizational milestones from 1981 to 2021.

Also on January 12, 2022, the TPO kicked-off Commitment to Zero: An Action Plan for Safer

CAC Meeting Minutes – February 8, 2022 Approved – March 8, 2022

Streets in Ocala Marion. Commissioner Stone led the meeting, which included participation by Mayor Guinn as a speaker. Several local safety leaders also participated as speakers at the meeting, including Lieutenant Eades and Sergeant McDonald of the Ocala Police Department, Battalion Chief Driggers of Marion County Fire Rescue and Ken Odom, Chair of the Community Traffic Safety Team. Loreen Bobo, Administrator of the FDOT Office of Safety also presented.

The TPO and consultant team (Benesch, Inc.) presented an overview of the Commitment to Zero project, including the schedule and how the public can get involved throughout the process. This included both an online public survey and comment map regarding safety concerns in Marion County. The meeting was video-recorded. The online public tools and link to the kick-off meeting recording are available at the Commitment to Zero project page: https://ocalamariontpo.org/safety-plan.

A full presentation on the Commitment to Zero could be expected in March or April.

Mr. Balmes asked the committee to share the project page for opportunities for public comment with constituents, diversity of feedback would be critical to the success of the project.

Item 7. Comments by CAC Members

There were no comments by the CAC members.

Item 8. Public Comment

There was no public comment.

Item 9. Adjournment

Vice-Chairwoman Shearer adjourned the meeting at 2:15pm.

Respectfully Submitted By:
Shakayla Irby, TPO Administrative Assistant



2022 Safety Targets





- Moving Ahead for Progress (MAP-21)
 Annual Federal Requirement
- Safety Performance Measures (PM-1)
- Integration into TPO's LRTP and TIP



- TAC and CAC review and action, February 8
- TPO Board review and action, February 22
- Submission of Safety Targets to FDOT by February 25, 2022



Targets for Five Performance Measures

Safety Performance Measures	Description					
1. Fatalities	Total number of fatalities					
2. Fatalities (Rate)	Rate of fatalities per 100 Million Vehicle Miles					
	Traveled (VMT)					
3. Serious Injuries	Total number of serious injuries					
. Serious Injuries (Rate) Rate of serious injuries per 100 Million Vehicle						
	Miles Traveled (VMT)					
5. Non-Motorized Fatalities &	Number of non-motorized fatalities and number					
Serious Injuries	non-motorized serious injuries					



2021 Targets & Results

Safety Performance Measure	2020 Targets	2020 Results	Met Target?
#1 - Fatalities	88	105	No
#2 - Fatalities per 100 Million VMT	1.86	2.34	No
#3 - Serious Injuries	433	302	Yes
#4 - Serious Injuries per 100 Million VMT	9.19	6.72	Yes
#5 - Number of Non-Motorized (bicycle, pedestrian) Fatalities and Serious Injuries	55	54	Yes



Data and Information Sources

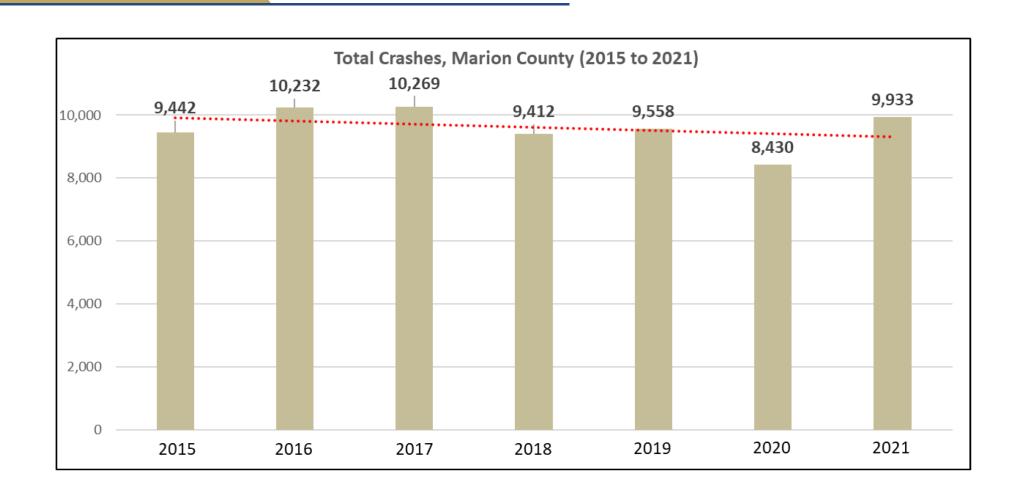
- Florida Department of Transportation
 Crashes (through 2020)
 - Vehicle Miles Traveled (through 2020)
- University of Florida (UF) Signal Four Crashes (2021)



Review of Crashes in Ocala/Marion County

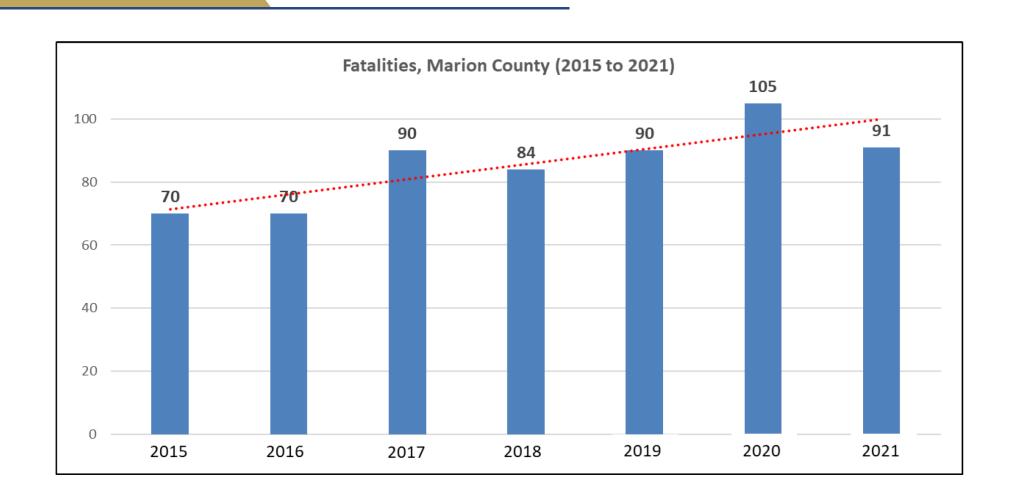


2015 to 2021 Total Crashes



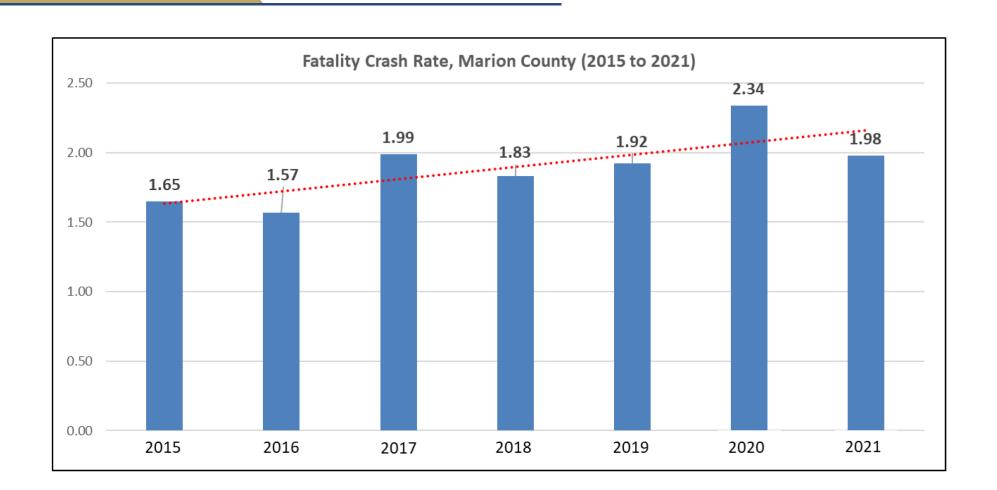


2015 to 2021 Fatalities



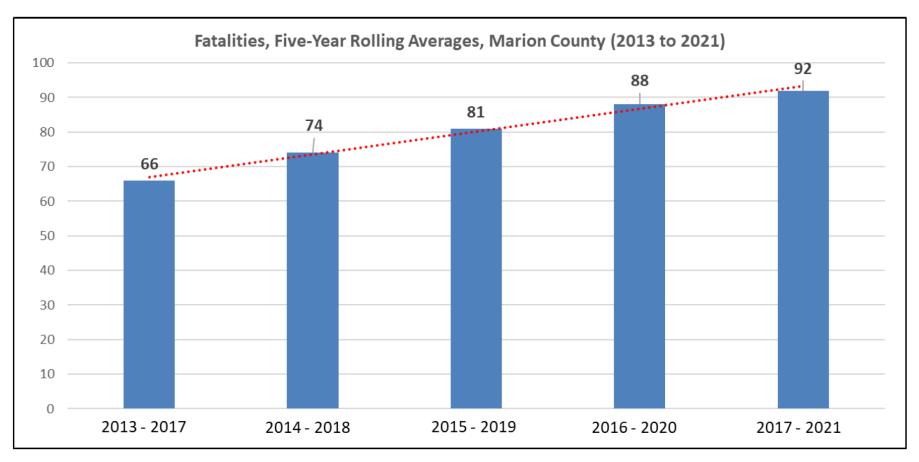


2015 to 2021 Fatality Rate



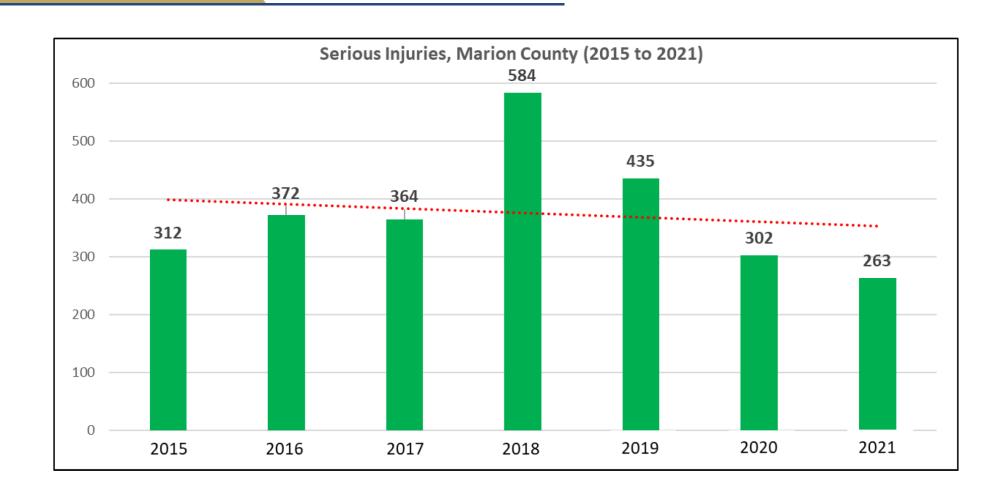


Fatalities Five-Year Rolling Averages



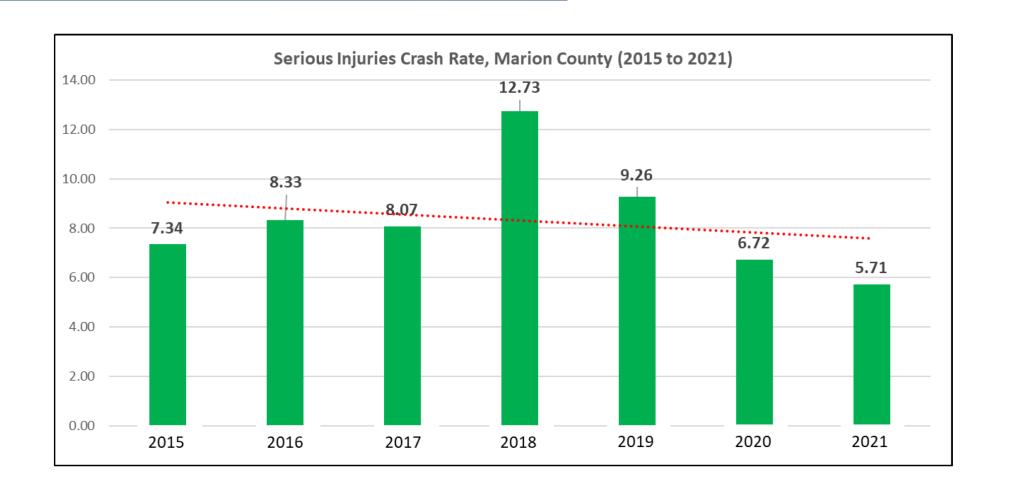


2015 to 2021 Serious Injuries



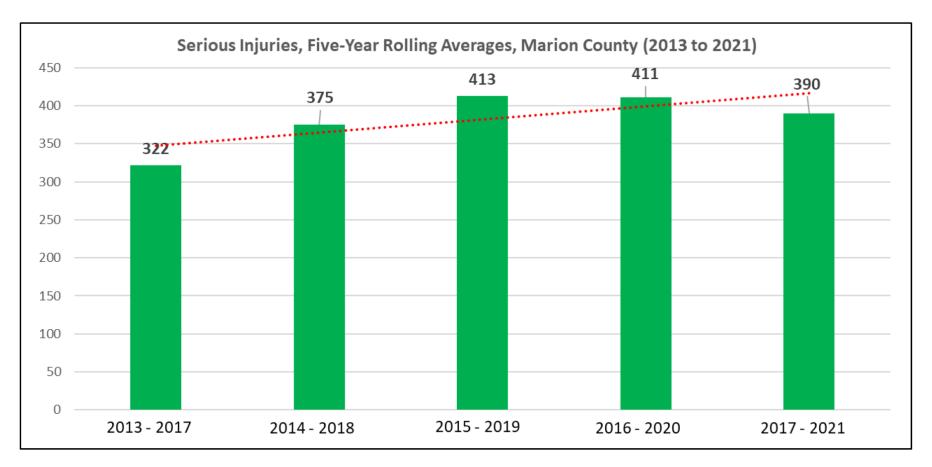


2015 to 2021 Serious Injury Rate



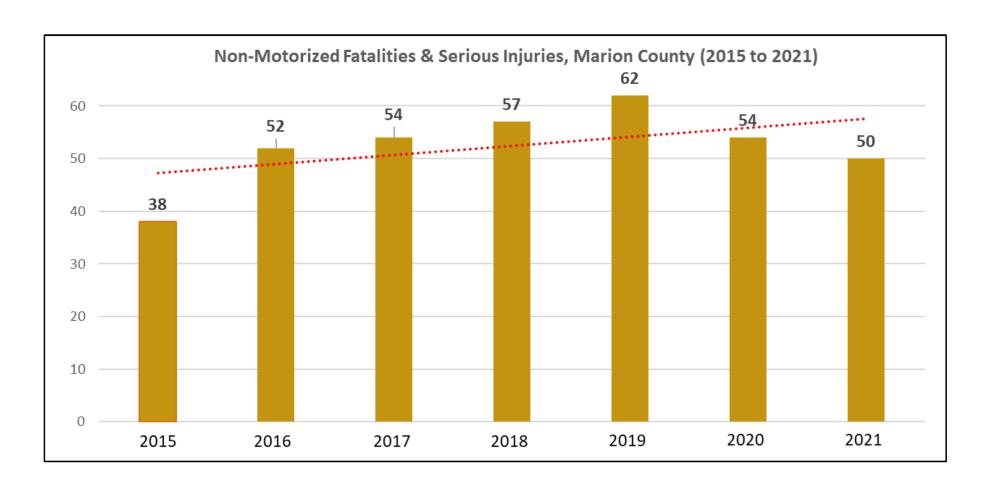


Serious Injuries Five-Year Rolling Averages



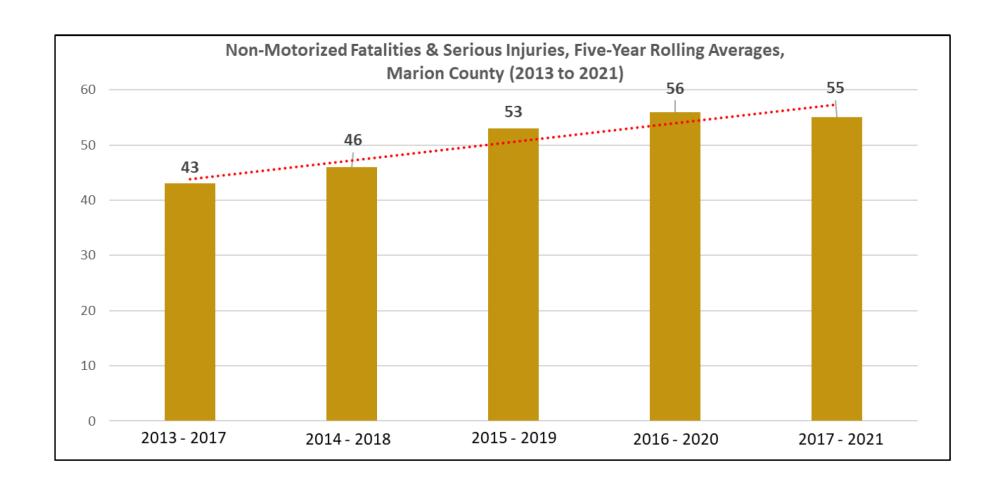


2015 to 2021 Non-Motorized Serious Injuries & Fatalities





Non-Motorized Serious Injuries & Fatalities Five-Year Rolling Averages





Targets for Five Performance Measures

Safety Performance Measures	Description					
1. Fatalities	Total number of fatalities					
2. Fatalities (Rate)	Rate of fatalities per 100 Million Vehicle Miles					
	Traveled (VMT)					
3. Serious Injuries	Total number of serious injuries					
. Serious Injuries (Rate) Rate of serious injuries per 100 Million Vehicle						
	Miles Traveled (VMT)					
5. Non-Motorized Fatalities &	Number of non-motorized fatalities and number					
Serious Injuries	non-motorized serious injuries					



TPO's Target Setting Methodology

- 1. Calculate Average Percent Change of the three most recent five-year rolling averages
 - #1. Fatalities
 - #3. Serious Injuries
 - #5. Non-Motorized Fatalities and Serious Injuries



Target Setting Methodology

2. Project the Vehicle Miles Traveled (VMT) in 2021 and 2022 to calculate:

#2 Fatality rate per 100 Million VMT

#4 Serious Injury rate per 100 Million VMT



	2021		JZ1	#1	#Z	#Z	2022 Method	2022					
Performance Measure	2015	2016	2017	2018	2019	2020	*Total Results	Targets (Set Feb. 2021)	2015-2019 Rolling Average	2016-2020 Rolling Average	2017-2021 Rolling Average	Percent Change of Three Rolling Averages	Proposed 2022 Targets
	-												
#1 - Fatalities	70	70	90	84	90	105	91	97	81	88	92	6.7%	98
#2 - Fatalities per 100 Million VMT	1.65	1.57	1.99	1.83	1.92	2.34	1.98	1.96					2.08
				·									
#3 - Serious Injuries	312	372	364	584	435	302	263	432	413	411	390	-2.9%	378
#4 - Serious Injuries per 100 Million VMT	7.34	8.33	8.07	12.73	9.26	6.72	5.71	8.74					8.02
#5 - Number of non-motorized (bicycle & pedestrian) fatalities and serious injuries	38	52	54	57	62	54	50	61	53	56	55	2.7%	57

2021

2022 Method



2022 Vehicle Miles Traveled (VMT) Chart

100 Million Vehicle Miles Traveled (MVMT) annually

								YE	ARS
2014	2015	2016	2017	2018	2019	*2020	2014 to 2019 Average Annual % Change	2021	2022
41.3	42.5	44.7	45.1	45.9	47.0	44.9	2.5%	46.0	47.2

PROJECTIONS

The MVMT equate to an overall Billion VMT i.e. 47.2 Million Vehicle Miles Traveled (MVMT) = 4.72 Billion VMT

^{*}Due to the 2020 anomaly year, TPO used projections from 2014 to 2019 to obtain historical VMT growth rate.
VMT data for Marion County provided by Florida Department of Transportation



Proposed 2022 Targets

	Proposed 2022	
Safety Performance Measure	Targets	2021 Targets
	(not to exceed)	ZUZI Targets
#1 - Fatalities	98	97
#2 - Fatalities per 100 Million VMT	2.08	1.96
#3 - Serious Injuries	378	432
#4 - Serious Injuries per 100 Million VMT	8.02	8.74
#5 - Number of Non-Motorized (bicycle,	57	61
pedestrian) Fatalities and Serious Injuries	57	01



2022 Recommendations

Option A

- Adopt 2022 Targets based on current methodology.
- Staff explore crash reduction factors for 2023 targets as part of Commitment to Zero.

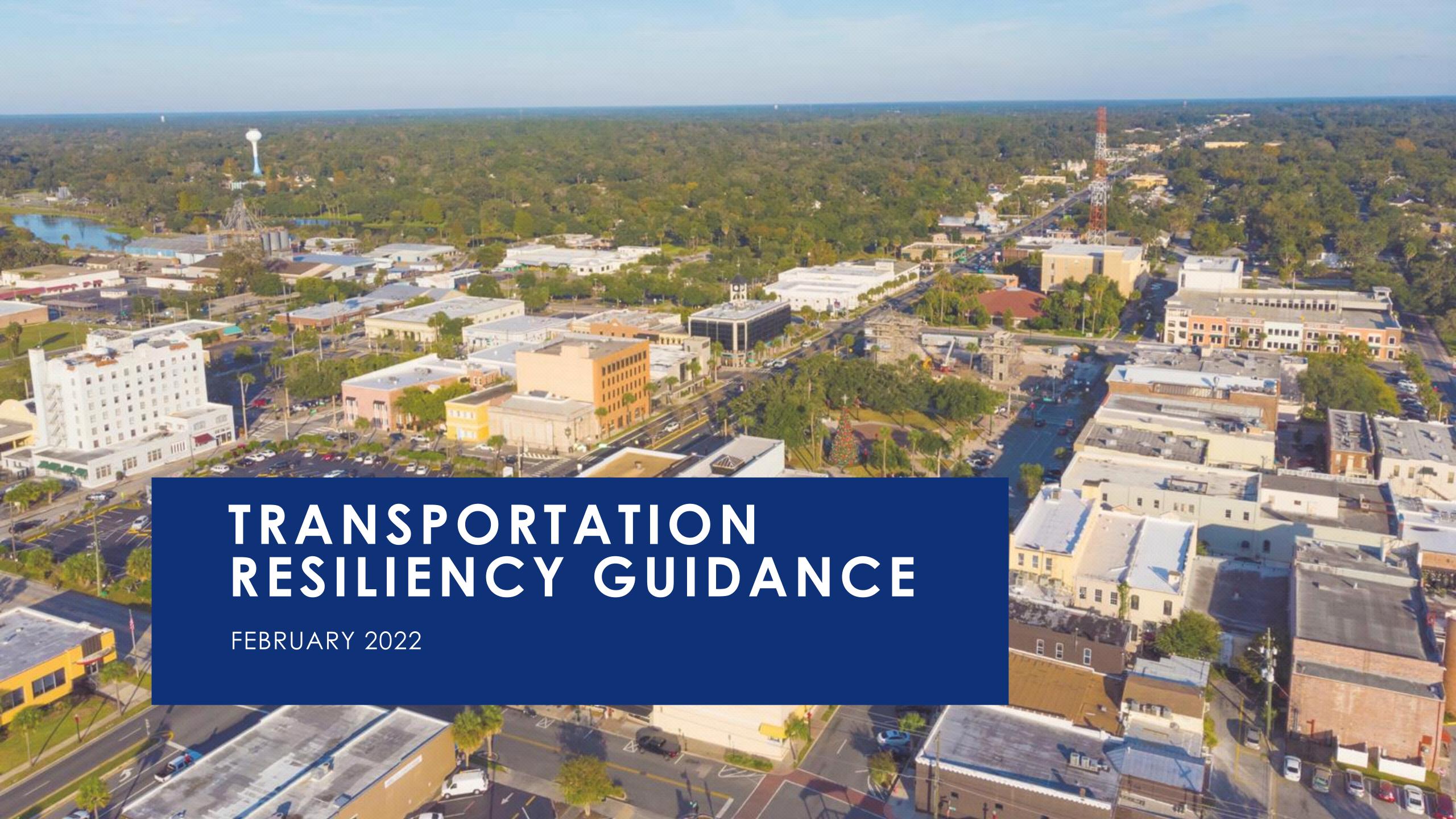


2022 Recommendations

Option B

- Adopt <u>0</u> for all five targets to reflect State Targets and Commitment to Zero.
- Staff explore crash reduction factors for 2023 targets as part of Commitment to Zero.

Note: When an MPO/TPO adopts State Targets, no changes can be made unless FDOT changes the State Targets.





- What is Resiliency?
- National guidance
- Funding opportunities
- Vulnerability analysis
- Resiliency strategies
- Next steps

Transportation Resiliency

Is it relevant to Marion County, FL?

The Federal Highway Administration defines resiliency as:

the ability to anticipate, prepare for, and adapt to changing conditions and withstand, respond to, and recover rapidly from disruptions





Disruptions can include natural and man-made disasters

- Flooding
- Wildfires
- Tornados
- HazMat incidents
- Sinkholes
- Traffic crashes



NATIONAL GUIDANCE



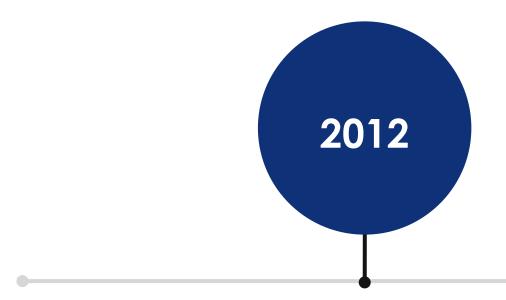






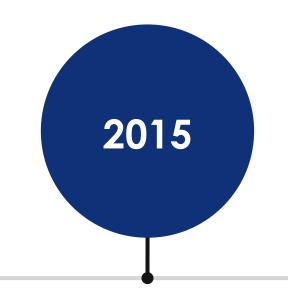
Resiliency Requirements

Resilience planning was first introduced into federal transportation legislation 10 years ago.



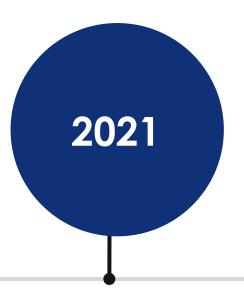
Moving Ahead for Progress in the 21st Century (MAP-21)

Added eligibility of "protection against extreme events" to funding programs



Fixing America's Surface
Transportation Act (FAST Act)

Formalizes resilience consideration into transportation planning



Infrastructure Investment & Jobs Act (II&J)

Allocates \$47 billion to infrastructure resilience

FUNDING OPPORTUNITIES

In 2021, Governor DeSantis signed the first piece of legislation dedicated to resiliency planning in Florida.



\$8.7 b

Promoting Resilient
Operations for
Transformative, Efficient, &
Cost-saving Transportation
(PROTECT)



\$1.0 b

Building Resilient Infrastructure & Communities (BRIC)



\$3.5 b

Flood Mitigation
Assistance (FMA)

Federal Infrastructure Investment & Jobs Act



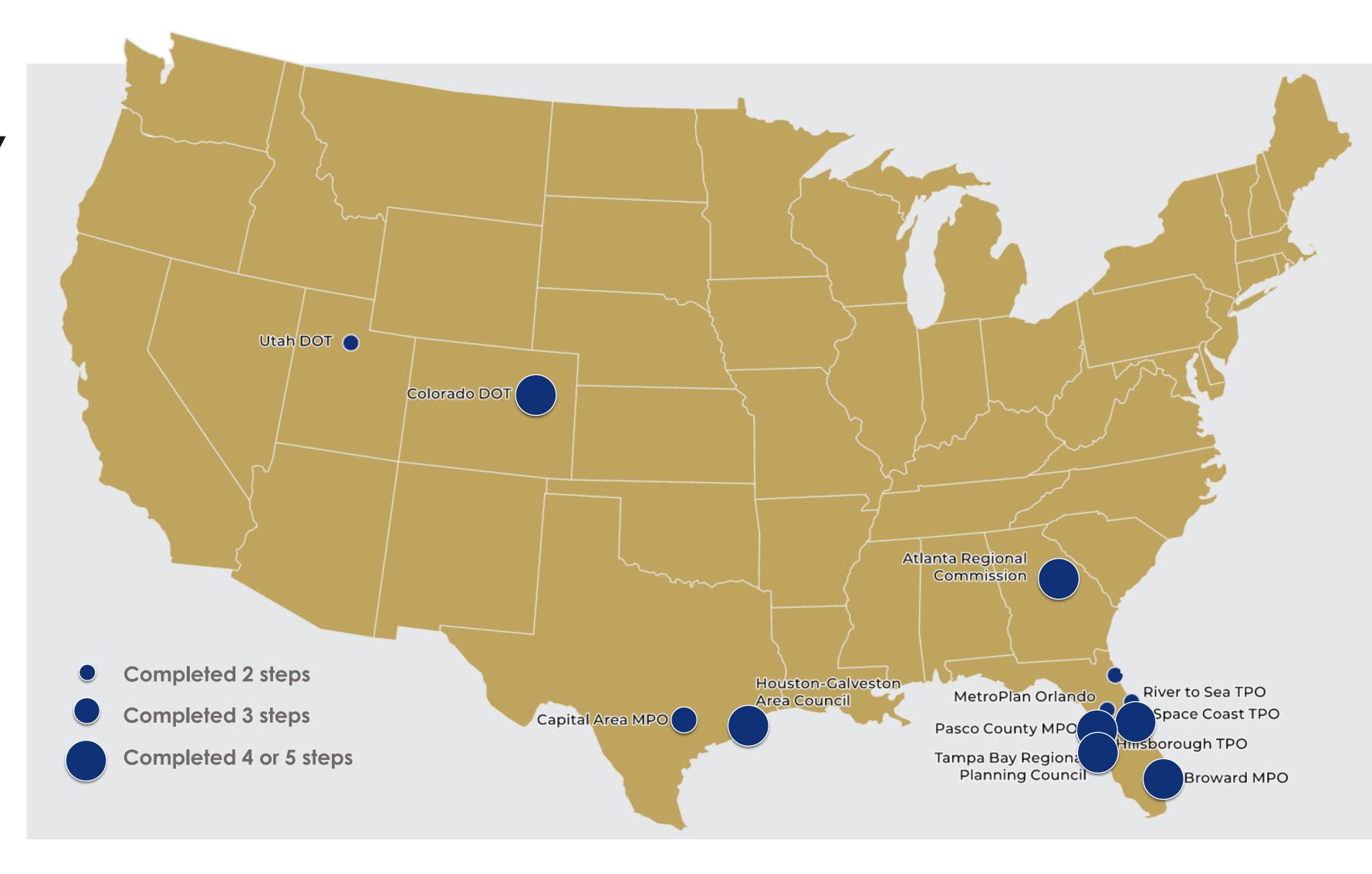
\$20 m

Resilient Florida Grant Program

Statewide Flooding and Sea Level Rise Resilience

PER AREA RESILIENCY EFFORTS

- Define hazards
- 2 Identify critical roadways
- 3 Assess vulnerabilities
- 4 Develop mitigation strategies
- 5 Specify funding sources



PEER AREA RESILIENCY EFFORTS

- Define hazards
- 2 Identify critical roadways
- 3 Assess vulnerabilities
- 4 Develop mitigation strategies
- 5 Specify funding sources

		Resiliency Actions					
Agency/ Location	Plan	Description	Defines Hazards	Identifies Critical Roadways	Assesses Vulnerablities/ Exposure	Develops Mitigation Strategies	Specifies Funding Sources
Space Coast TPO Brevard County, FL	Transportation Resiliency Master Plan	Defines six unique shocks/stressors and their impact on roadways critical to the communities in Brevard County; develops mitigation strategies.					
River to Sea TPO	SLR Vulnerability Assessment	Identified exposure/vulnerability to evacuation routes, major roadways, trails, and stormwater storage assets.					
MetroPlan Orlando	2045 Long Range Transportation Plan	Used scenario planning to identify potential risks and how they can impact the region. MetroPlan Orlando chose six key drivers of change: Population, Economy, Visitation, Development & Land Use, Technology, and Climate. These drivers were used to form four scenarios, to help guide the planning and needs assessment.					



Vulnerability analysis



Wildfires – 960 square miles in Marion County are prone to wildfires



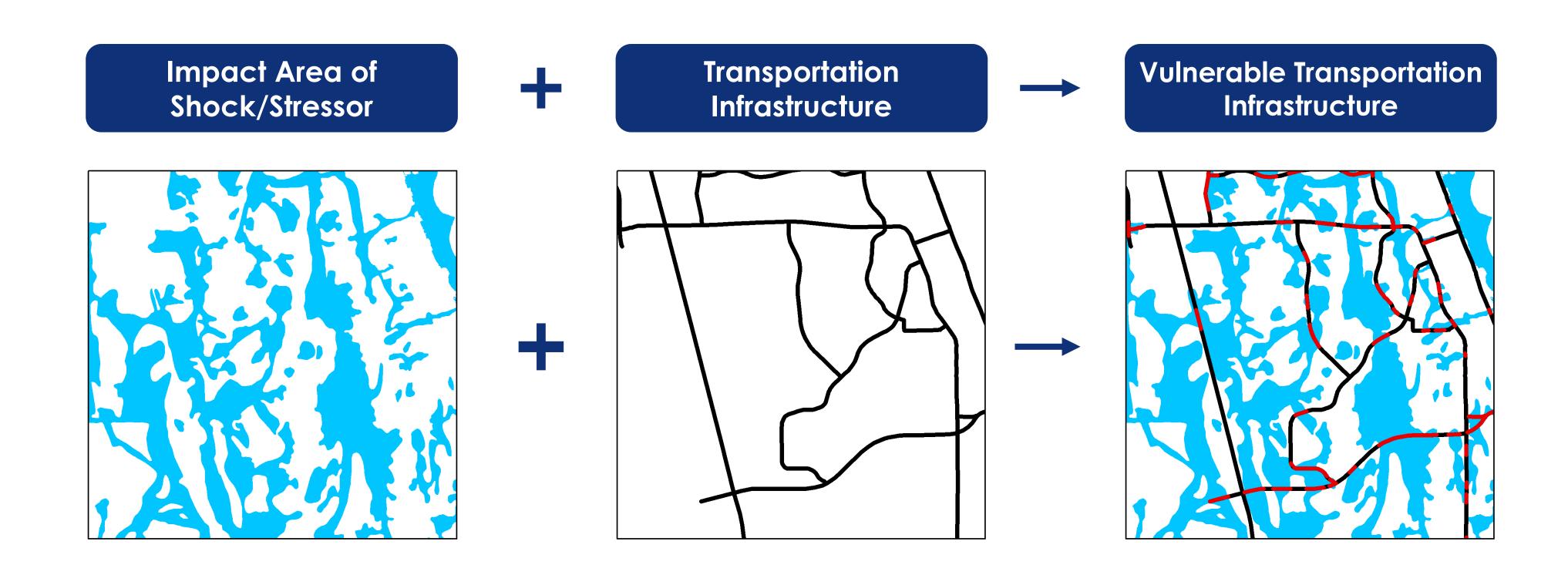
Flooding – 315 square miles in Marion County are prone to flooding



Sinkholes – 803 sinkholes in Marion County between 2015 and 2020

Exposure analysis

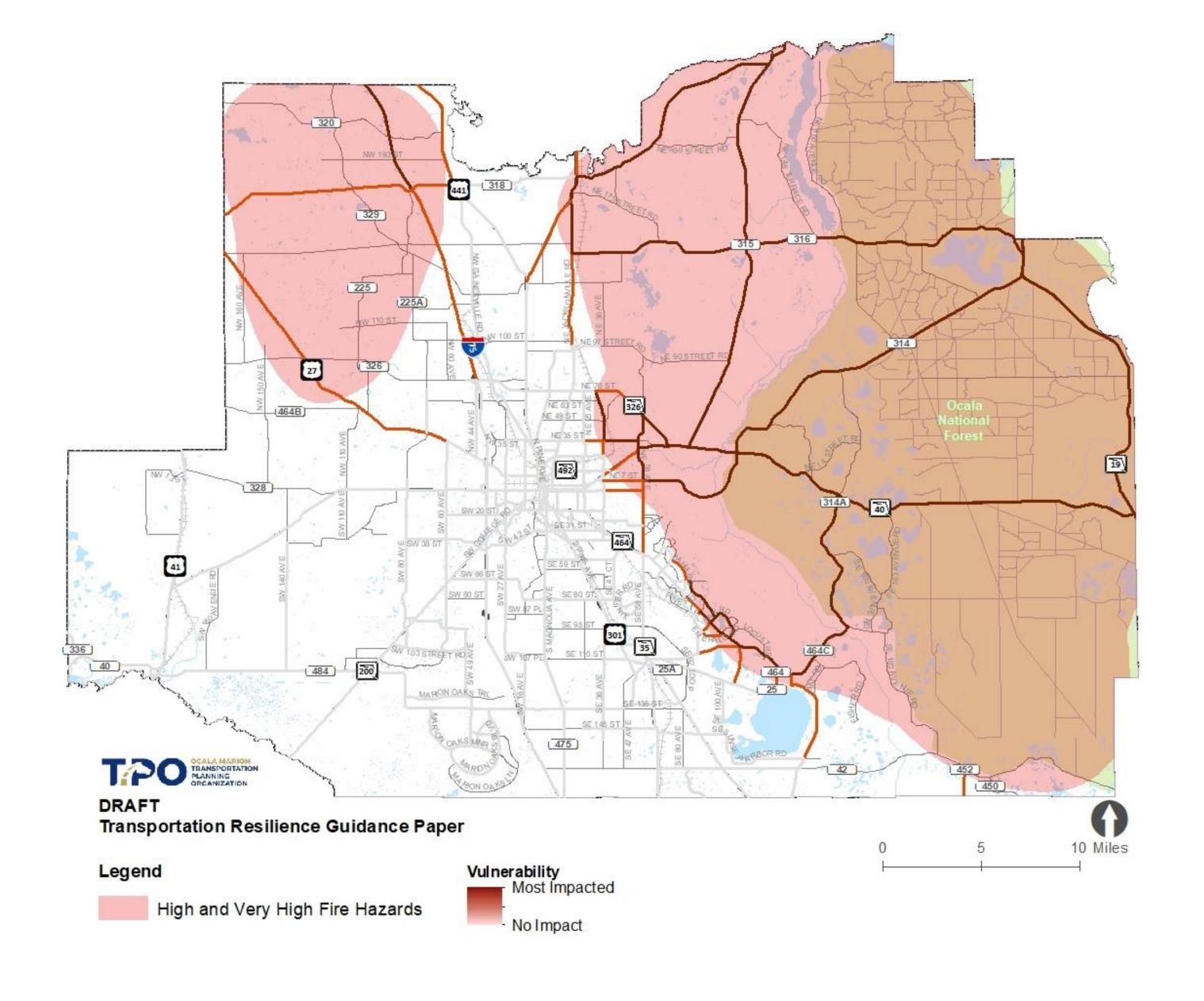
Spatial analysis of the relationship between shock/stressors and federal aid eligible network. Analysis completed separately for evacuation network as well.



WILDFIRE exposure

Federal Aid Eligible Roadways exposure

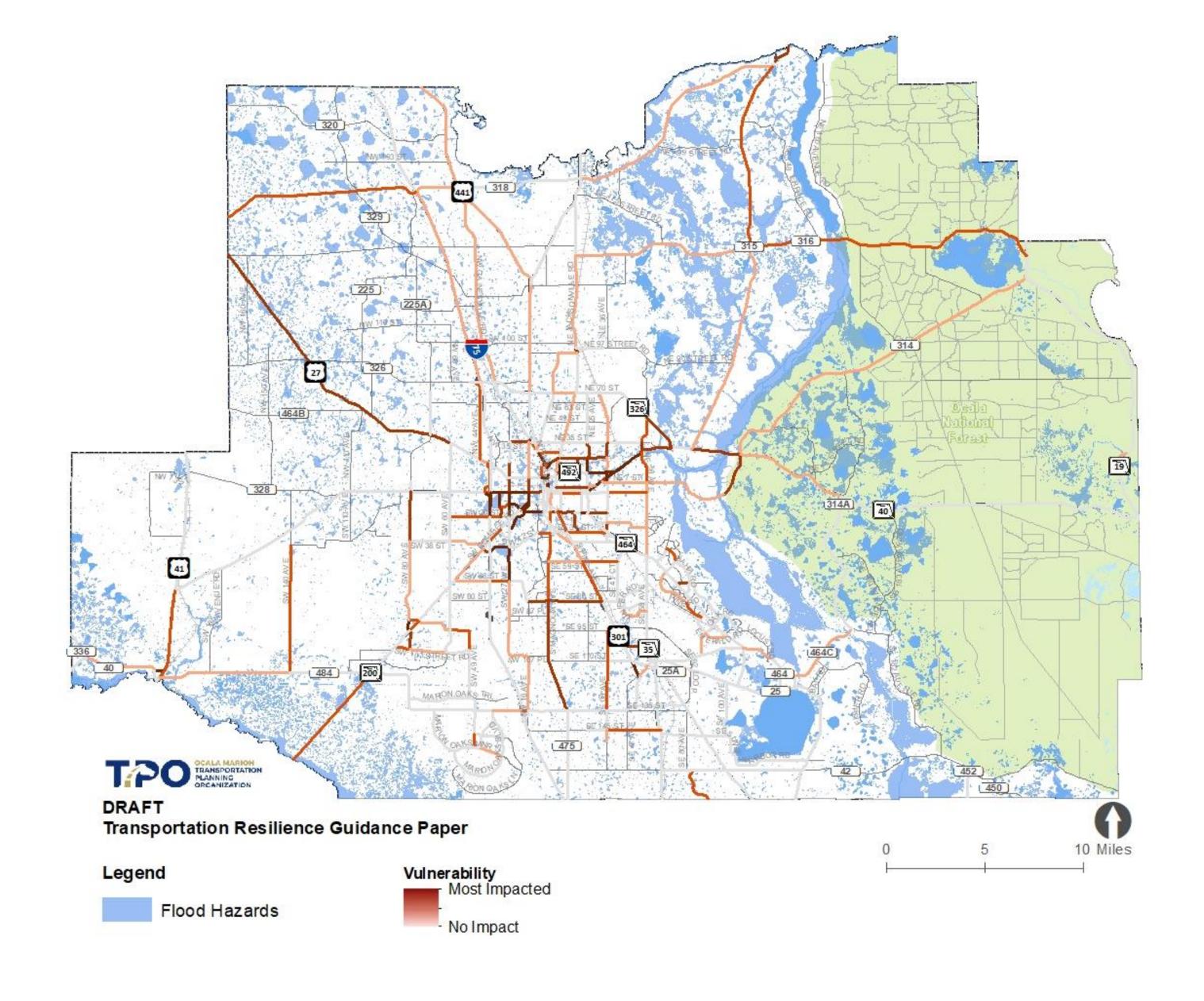
- 78 miles of principal arterials
- 38 miles of minor arterials
- 116 miles of major collectors
- 23 miles of minor collectors
- 255 total miles of roadways35% of system



FLOODING exposure

Federal Aid Eligible Roadways exposure

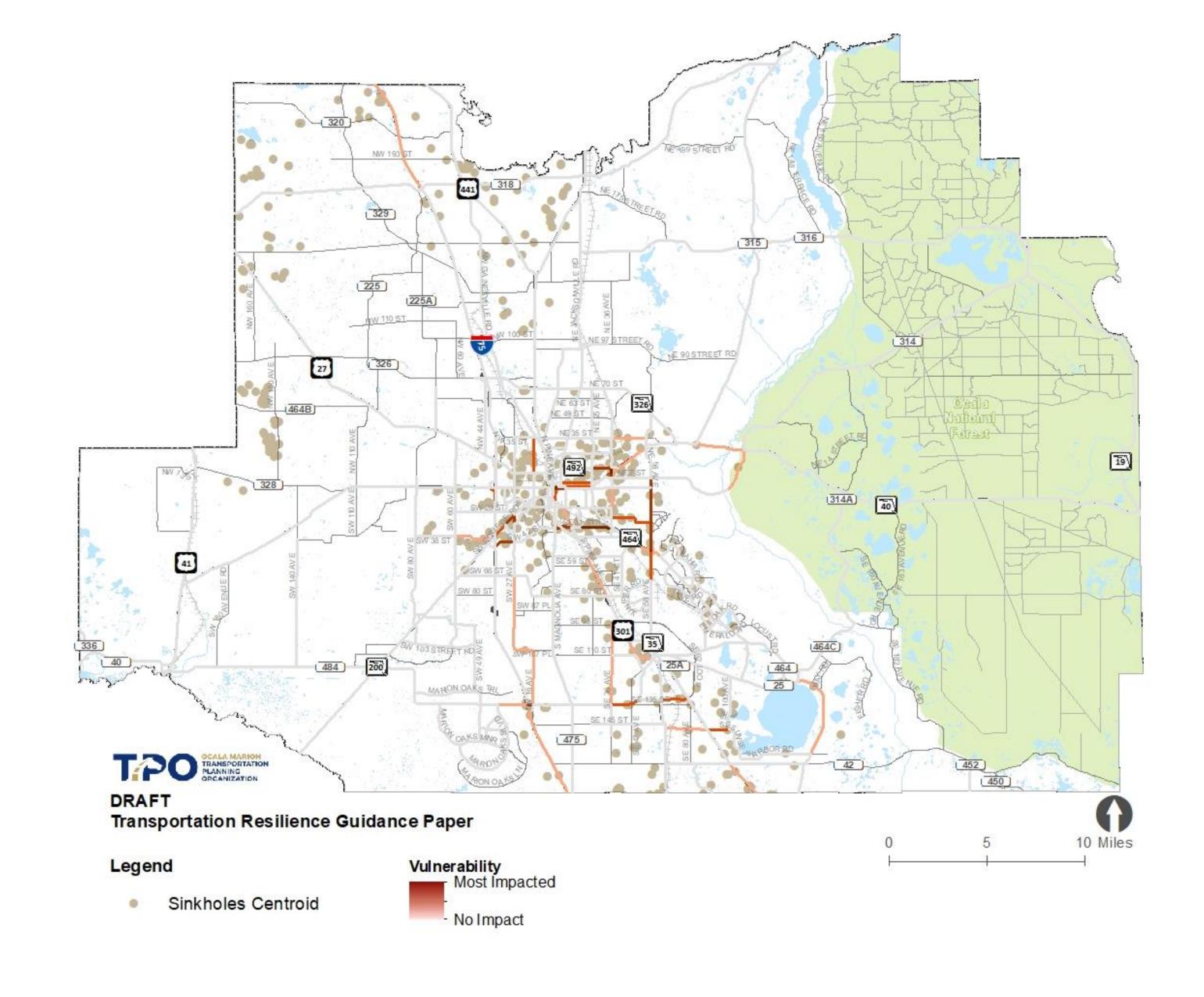
- 125 miles of principal arterials
- 56 miles of minor arterials
- 151 miles of major collectors
- 100 miles of minor collectors
- 436 total miles of roadways
 60% of system



SINKHOLE exposure

Federal Aid Eligible Roadways exposure

- 37 miles of principal arterials
- 21 miles of minor arterials
- 6 miles of major collectors
- 21 miles of minor collectors
- 86 total miles of roadways
 12% of system





Types of Strategies



Prevention – Improvements that reduce likelihood of impact to the system



Adaptation – Improvements that adjust Minimize impacts



Absorption – Improvements that fortify the system against shocks and stressors



Restoration – Improvements that facilitate restoration of normal function after impacts.

PREVENTION STRATEGIES

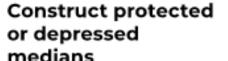
Strategy	Descritpion	Hazards	Considerations	Benefits	Cost	Source
Prevention: Strate	egies that reduce the likelihood of a shock or stress	or impac	ting the system.			
Reduce VMT	Reducing Vehicle Miles Travelled (VMT) reduces the strain on the network associated with rerouting trips or reducing the available route choices.	•••		 Reduce community reliance on automobile trips Reduce the number of vehicles that must use detour routes 		
Develop a Stormwater Management Plan	Develop a plan to address existing conditions and the required capacity for new facilities.	•••		 Determine effectiveness of centralized facilities and other regional opportunities 		· Houston Galveston Resilience Pilot Program
Construct green roofs	Utilize green roofs that provide shade, reduce surrounding air temperature, and reduce runoff.	-\O-\		· Reduce runoff · Reduce urban heat island effect		· USFS Compendium of Adaptation Practices
Realign or reconnect water courses	Realign waterways away from critical infrastructure. Reconnect waterways to allow natural flood plains to absorb impact of storm events.	•••		· Allow natural flooding to occur, rather than constraining waterways		 World Road Association International Climate Change Adaptation Framework for Road Infrastructure
Implement fire-use restrictions	Implement policies to reduce the likelihood of wildfire during conditions that are conducive to wildfire ignition.	~		· Reduce chances of wildfire		· USFS Compendium of Adaptation Practices
Use forest management techniques such as thinning, prescribed burn, and fuels removal	Reduce the likelihood for an extreme fire, with intermittent fire and other management practices.	~		Maintain ecosystems that require fire		· USFS Compendium of Adaptation Practices
	Legend General Heat	炒 Wildfire	Flood Tornado Low cost	Medium cost High cost		

ADAPTATION STRATEGIES

Adaptation: Strategies that change the system in anticipation of shocks and stressors to maintain normal functioning. **O**: · Reduce the amount of vulnerable Discourage Create zoning requirements that encourage dense development Consider impacts to communities living in FEMA Natureto occur outside of impact areas, for example the flood plain. **Based Solutions** less vulnerable areas development and infrastructure over time Houston Galveston growth in vulnerable Consider conservation projects, especially Resilience Pilot areas in areas that coincide with environmentally Program vulnerable/valuable areas **D**: When developing new assets or infrastructure, consider locating · Consider hazards during the planning phase Site new facilities FHWA Adaptation outside of the hazard area. Framework outside of hazard to reduce the cost of relocation area Provide access to critical facilities under hazards by considering · Provides redundant access during normal Change the nature USFS Compendium alternative accesses. For example, access through the rear of of access to critical of Adaptation operations the building, provide for walking or using a mode other than Practices facilities automobile for a portion of the access trip. **O**: · Reduces the consequence of segments Maintain redundant routes in the network that are functional for Consider access to critical facilities and · Resilient California Provide redundant all modes. being impacted by shocks or stressors routes critical routes · Offers traffic management in non-hazard times

ABSORPTION STRATEGIES

Conduct regular maintenance of infrastructure	Maintain the working order of infrastructure, for example keeping culverts clear.			 Proactive measure to maintain flow at critical points Maintain clear of overgrown vegetation which may spread wildfire across the roadway 	
Construct hardened shoulders	Widen roadway structure to reduce impact to travel lanes.	444	 Requires clearance around roadway Along roadways experiencing strong flows 	 Limit inundation to one side of roadway Reduce erosion from overtopping 	
Use permeable pavements	Slows, filters, and cleans stormwater runoff by installing porous surfaces.	•••	 Especially relevant in areas with large parking lots Appropriate only for gentle slopes Can become clogged. Appropriate for low traffic volumes, loads, and speed 	Reduce runoff Allow water to infiltrate Reduced particulates in water	
Construct enhanced road surface	For flooding: Increase the thickness of hot mix asphalt (consider increasing 2") and binder course using larger aggregate. For heat and wildfire: Design road with materials resistant to fire and heat.	♣ , ♣ ₹		 Resist water movement and inundation Withstand impacts of prolonged exposure to heat or submersion 	
Construct enhanced sub-surface	Increase the thickness of subbase layers to provide additional drainage, structural strength, and resistance to flow damages (consider increasing 4-6").	444		· Resist water movement and inundation	
Construct berms or barriers	Construct a barrier to prevent water from flooding the roadway.	44	· Consider available right-of-way to construct barrier	Prevent water from reaching roadway or flowing across roadway	







· Houston Galveston

· South Florida Climate Pilot

· Houston Galveston

Resilience Pilot

· Resilient Tampa

· Resilient Tampa

· Resilient Tampa

Resilience Pilot

· Resilient Tampa

Resilience Pilot

Program

Program

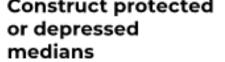
Bay

· Resilient California · Houston Galveston

Program

 Houston Galveston Resilience Pilot

Program



Separate the roadway and potential effect of inundation with a median between the travel lanes in each direction.



- · Especially effective along roadways in flat
- · Requires maintenance of vegetation and keeping drains clear
- · Reduce the occurrence of floods across the full roadway
- · If depressed, serve as a holding area for



· Resilient Tampa

Framework

· Houston Galveston Resilience Pilot Program

















RESTORATION STRATEGIES

nstall generator connections at traffic signals	Provide built in connections on signal cabinets to connect a generator.	~	 Battery capacity and need for replacement or installation of a generator Prioritize signals with greatest impact 	· Quickly resume operations after shock	· Space Coast TPO Resiliency Master Plan
Prioritize roadways	Prioritize roadways based upon network effectiveness. In all response activities focus on roadways in priority order, for example send crews to clear debris from priority roadways before non-priority roadways.	•	 Include community input regarding critical routes and facilities 	· Clear and defined plan that can be communicated to the community	· Resilient California
Develop warning systems with resilient communications	Warning system may consist of sensors, cameras, citizen reporting tool, or other means.	•		· Quickly alert of hazard to allow response to occur	· Houston Galvesto Resilience Pilot Program
Develop a coordination plan with other agencies to respond to changes and hazards		••••			• FHWA Adaptation Framework
Coordinate with ransit providers to dentify alternative outes and stops if normal infrastructure s impacted		••••		 Continue to operate transit in a predetermined manner consistent with rider expectations. 	· Resilient California
Establish stand- by contracts for damage response	Establish mechanisms to pay for rapid response to hazards.	•		 Proactive measure to reduce the length of impact. 	• FHWA HOP-15-02
Stockpile materials (culvert pipe, fuel, components) and equipment (generators, traffic control devices) at appropriate locations	Maintain an inventory of critical materials to quickly respond to needs during and after shocks.	•	 Different materials will be needed at different locations to address each hazard Consider in conjunction with prioritized roadways Consider cost of storage and potential deterioration of materials over time 	Proactive measure to reduce the length of impact.	- FHWA HOP-15-02







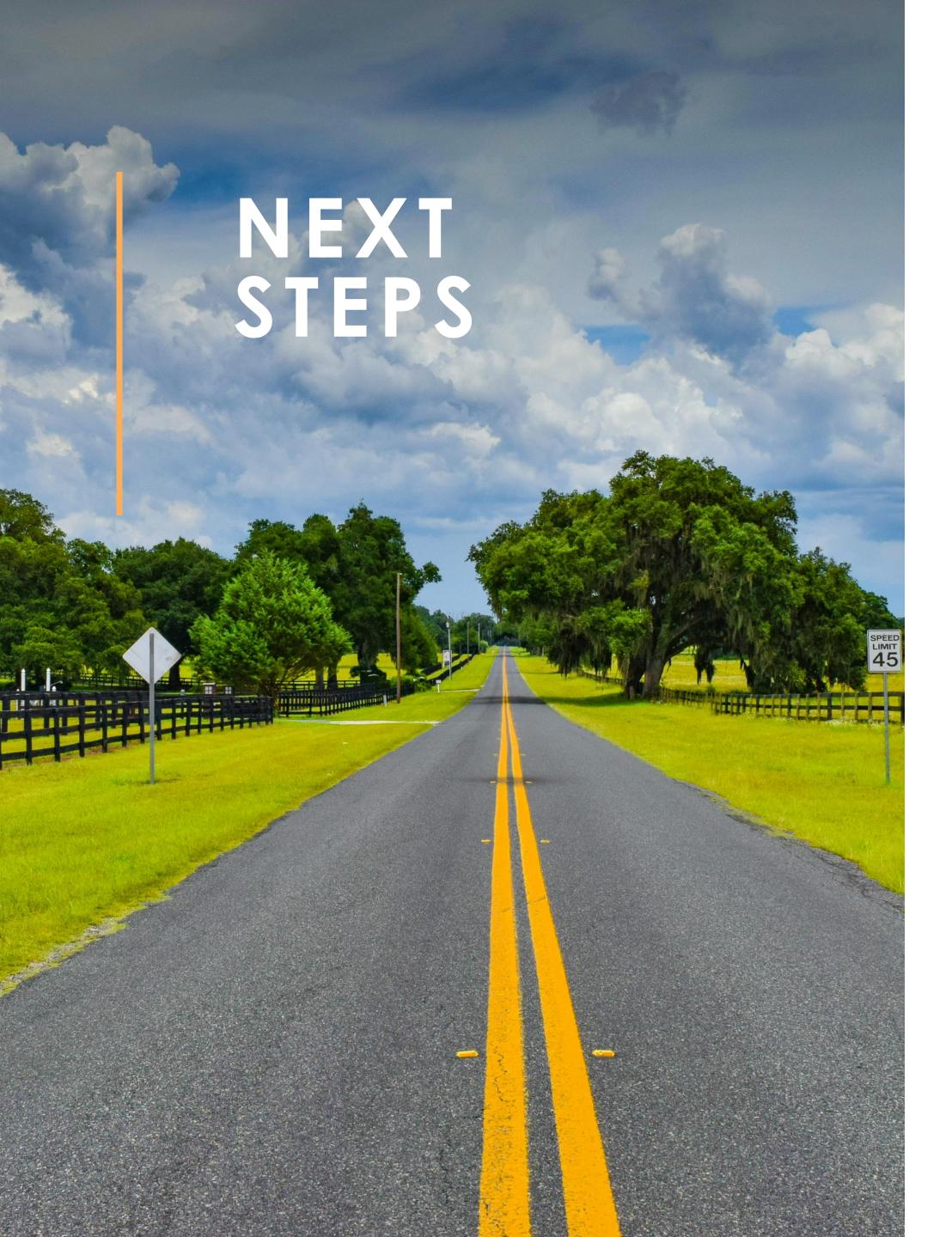












Incorporating Resiliency into planning processes



Project level planning/development



Hazard data collection



Scenario planning analysis



Identification of critical facilities



Identification and prioritization of needed resiliency improvements



Questions?

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