



FMPP

Florida Metropolitan Planning Partnership

JANUARY 24, 2024





Housekeeping

- We will share the presentation following the meeting
- Restrooms and exits



WELCOME

Jennifer Fortunas





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Or use the QR code



Agenda



Time	Topic	Speaker
8:30 am – 9:00 am	Welcome	Jennifer Fortunas
9:00 am – 9:45 am	UPWP	Romero Dill
<i>9:45 am – 10:00 am</i>	<i>BREAK</i>	
10:00 am – 10:30 am	Overview: Transportation Performance Management	Dan Cashin & Dana Reiding
10:30 am – 11:30 am	PM1 – Safety	Brenda Young
<i>11:30 am – 12:30 pm</i>	<i>LUNCH</i>	

Agenda



Time	Topic	Speaker
12:30 pm – 1:30 pm	PM2 – Pavement	Charles Holzschuher
1:30 pm – 2:30 pm	PM2 – Bridge	Felix Padilla
<i>2:30 pm – 3:00 pm</i>	<i>BREAK</i>	
3:00 pm – 4:00 pm	PM3 – System Reliability	Fred Heery
4:00 pm – 4:30 pm	Source Book (“live” walk-thru)	Becky Marsey
4:30 pm – 5:00 pm	Next Steps & Open Discussion	Jennifer Fortunas & Dana Reiding
5:00 pm	Adjourn	

UNIFIED PLANNING WORK PROGRAM

Romero Dill





Topics

UPWP Development

- Budget Tables
- Scope Level of Detail

UPWP De-obligation and Close-out Grant Application Process



UPWP Development



Unified Planning Work Program (UPWP)

- MPO's **biennial** planning work program
- Includes tasks for 2 years
- Identifies MPO's:

Future activities



Deliverables



Budget and funding sources



Schedule



EVERY **2**
YEARS

Unified Planning Work Program (UPWP) Development Schedule

SEPT 23-
FEB 24

- PL Allocations provided to MPOs
- MPO develops draft UPWP

MARCH
15

- MPO submits draft UPWP **in GAP** for review
- MPO notifies District MPO Liaison how much they plan to de-obligate

APRIL
15

- District MPO Liaison provides comments to the MPOs
- MPO Board approves UPWP amendment to de-obligate funds from the current UPWP

MAY
1

- MPO transmits UPWP amendment to de-obligate funds from the current UPWP to the District MPO Liaison **in GAP**

MAY
15

- MPO addresses comments on draft UPWP
- MPO Board adopts final UPWP
- MPO signs new FDOT/MPO Agreement

Unified Planning Work Program (UPWP) Development Schedule

Within 10 working days

- District MPO Liaison reviews MPO adopted UPWP using [UPWP Review Checklist](#)
- MPO & District MPO Liaison resolve outstanding issues

JUNE 1

- District MPO Liaison recommends FHWA approval

Before JUNE 30

- FHWA approves final UPWP

Before JUNE 30

- District completes PL fund authorization request

Note: If funds are not included in final approved UPWP by July 1, an amendment to add those funds in the new UPWP is required.



UPWP Content

Introduction

Organization and Management

Tasks

Budget Tables

Appendix



UPWP Required Information

23 CFR 450.308(c)

- Who will perform the work
- Schedule for completing the work
- End products
- Proposed funding by activity/task
- Summary of total amounts/sources of Federal and matching funds



Task Description Example

End Product: TSM&O Master Plan

Purpose: Provide comprehensive inventory of existing TSM&O related infrastructure, policies, and programs

Key Tasks: Agency and public participation, Visioning, goal, objective setting, Documenting existing conditions and assets, Identifying TSM&O needs and projects

Schedule: July 2024 – June 2026

Est. Cost: \$200,000

Responsible Org: Consultant

Fund Source: SU





What if the MPO doesn't have all the information when developing the UPWP?

- FHWA may not approve the task
- MPO will have to amend the UPWP





UPWP Budget Tables

- Updated based on 2023 Federal Planning Findings recommendations
- Updates
 - **Task Table** – added location for MPO to identify de-obligated funds by fund source
 - **Summary Budget Table** – added lines to show the total amount of de-obligated funds



Task Budget Table Example

Task 1 Transportation Planning Management									
2023									
Funding Source	FHWA			FTA 5305(d)				FY 2023 Total	
Contract Number	H1234			H9999					
Source Level	PL	SU	Total	Federal	State	Local	Total		
Personnel (salary and benefits)	\$ 250,000	\$ 120,000	\$ 370,000	\$ 125,000	\$ 50,000	\$ -	\$ 175,000	\$ 545,000	
Consultant	\$ 25,000	\$ -	\$ 25,000	\$ 10,000	\$ -	\$ -	\$ 10,000	\$ 35,000	
Travel	\$ 10,000	\$ -	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ 10,000	\$ 20,000	
Direct Expenses	\$ 55,000	\$ -	\$ 55,000	\$ -	\$ -	\$ -	\$ -	\$ 55,000	
Indirect Expenses	\$ 35,000	\$ -	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000	
Supplies	\$ 15,000	\$ -	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ 15,000	
Equipment	\$ 5,000	\$ -	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ 5,000	
2023 Totals	\$ 395,000	\$ 120,000	\$ 515,000	\$ 145,000	\$ 50,000	\$ -	\$ 195,000	\$ 710,000	
2024									
Funding Source	FHWA							FY 2024 Total	
Contract Number	H1234								
Source	PL	SU	Total				Total		
Personnel (salary and benefits)	\$ 250,000	\$ 120,000	\$ 370,000	\$ -	\$ -	\$ -	\$ -	\$ 370,000	
Consultant	\$ 25,000	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ 25,000	
Travel	\$ 10,000	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000	
Direct Expenses	\$ 50,000	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000	
Indirect Expenses	\$ 35,000	\$ -	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000	
Supplies	\$ 15,000	\$ -	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ 15,000	
Equipment	\$ 5,000	\$ -	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ 5,000	
2024 Totals	\$ 390,000	\$ 120,000	\$ 510,000	\$ -	\$ -	\$ -	\$ -	\$ 510,000	

	FY 2023 & 2024 TOTAL	
Personnel (salary and benefits)	\$	915,000
Consultant	\$	60,000
Travel	\$	30,000
Direct Expenses	\$	105,000
Indirect Expenses	\$	70,000
Supplies	\$	30,000
Equipment	\$	10,000
Total	\$	1,220,000

	FY 2023 & 2024 TOTAL
Total	\$ 1,220,000
Total De-ob. Funds (PL)	\$ 55,000
Total De-ob. (Other Source)	\$ 5,000
Sub-Total (less the de-obligated funds)	\$ 1,160,000

Updates



Summary Budget Table Example

Funding Source	CTD		FHWA		FTA 5305(d)	
Contract	H1XXX		H1234		H9999	
Fiscal Year	Year 1	Year 2	Year 1	Year 2	Year 1	Year 2
Total Budget	\$ 45,000	\$ -	\$1,027,390	\$1,022,390	\$ 420,000	\$ 235,000
Task 1 Transportation Planning Management						
Personnel (salary and benefits)	\$ -	\$ -	\$ 370,000	\$ 370,000	\$ 175,000	\$ -
Consultant	\$ -	\$ -	\$ 25,000	\$ 25,000	\$ 10,000	\$ -
Travel	\$ -	\$ -	\$ 10,000	\$ 10,000	\$ 10,000	\$ -
Direct Expenses	\$ -	\$ -	\$ 55,000	\$ 50,000	\$ -	\$ -
Indirect Expenses	\$ -	\$ -	\$ 35,000	\$ 35,000	\$ -	\$ -
Supplies	\$ -	\$ -	\$ 15,000	\$ 15,000	\$ -	\$ -
Equipment	\$ -	\$ -	\$ 5,000	\$ 5,000	\$ -	\$ -
Sub Total	\$ -	\$ -	\$ 515,000	\$ 510,000	\$ 195,000	\$ -
Task 2 Public Engagement						
Personnel (salary and benefits)	\$ 35,000	\$ -	\$ 370,000	\$ 370,000	\$ 200,000	\$ 200,000
Consultant	\$ 10,000	\$ -	\$ 25,000	\$ 25,000	\$ 10,000	\$ 35,000
Travel	\$ -	\$ -	\$ 10,000	\$ 10,000	\$ 10,000	\$ -
Direct Expenses	\$ -	\$ -	\$ 57,800	\$ 57,800	\$ -	\$ -
Indirect Expenses	\$ -	\$ -	\$ 34,590	\$ 34,590	\$ -	\$ -
Supplies	\$ -	\$ -	\$ 15,000	\$ 15,000	\$ 5,000	\$ -
Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Sub Total	\$ 45,000	\$ -	\$ 512,390	\$ 512,390	\$ 225,000	\$ 235,000
Sub-Total (less the de-obligated funds)	\$	45,000	\$	1,938,420	\$	643,651
Total De-ob. Funds (PL)	\$	-	\$	111,360	\$	-
Total De-ob. (Other Source)	\$	-	\$	-	\$	11,349
TOTAL PROGRAMMED	\$ 45,000	\$ -	\$1,027,390	\$1,022,390	\$ 420,000	\$ 235,000

Updates



FDOT/MPO AGREEMENT



FDOT/MPO Agreement: UPWP Development



- April:** Amend the current FDOT/MPO Agreement to de-obligate funds from the current UPWP
- May:** Sign new FDOT/MPO Agreement for new UPWP



Amending FDOT/MPO Agreement

- A UPWP amendment that increases/decreases total FHWA funds amount results in an FDOT/MPO Agreement Amendment
- MPO and District jointly execute

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
**AMENDMENT TO THE
 METROPOLITAN PLANNING ORGANIZATION AGREEMENT**

525-010-02
 POLICY PLANNING
 OGC – 05/23
 Page 1 of 2

Financial Project No.: [] (item-segment-phase-sequence)	Fund: [] Function: [] Federal Award Project No.: [] MPO SAM No.: []	FLAIR Approp.: [] FLAIR Obj.: [] Org. Code: [] Vendor No.: []
Contract No.: []	CFDA Number & Title: []	

THIS AMENDMENT TO THE METROPOLITAN PLANNING ORGANIZATION AGREEMENT (Amendment) is made and entered into on this [enter date] day of [enter month] [enter year], by and between the STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION (Department), an agency of the State of Florida, whose address is Office of the District Secretary, [enter address] and the [enter name of Metropolitan Planning Organization] (MPO), whose address is [enter address], and whose System for Award Management (SAM) Number is: [enter SAM No.] (collectively the "parties").

RECITALS

WHEREAS, the Department and the MPO on [enter date] entered into a Metropolitan Planning Organization Agreement (Agreement), whereby the Department passed through Federal funds to the MPO to assist the MPO in performing transportation planning activities set forth in its Unified Planning Work Program (UPWP).

WHEREAS, the Parties have agreed to modify the Agreement on the terms and conditions set forth herein.

NOW THEREFORE, in consideration of the mutual covenants in this Amendment, the Agreement is amended as follows:

1. Paragraph 5 of the Agreement is amended to reflect:

Project Cost: The total budgetary ceiling for the Project is \$[]. The budget, including tasks, is summarized below and detailed in the UPWP, Exhibit "A". The budget may be modified by mutual agreement as provided for in paragraph 9, Amendments.

The Department's performance and obligation to pay under this Agreement is contingent upon an annual appropriation by the Legislature. No work shall begin before the Agreement is fully executed and a "Letter of Authorization" is issued by the Department. The total of all authorizations shall not exceed the budgetary ceiling established for this agreement and shall be completed within the term of this Agreement:

FINANCIAL PROJECT NO.	AMOUNT
[]	[]

Exhibit A (Scope of Work) of the Agreement is amended as follows: [] This amendment is more fully described in the attached UPWP Revision Form # [].

Except as modified, amended, or changed by this Amendment, all of the terms and conditions of the Agreement and any amendments thereto shall remain in full force and effect.

FDOT/MPO Agreement

The Agreement accomplishes three things:

1

Federal financial assistance to MPOs Transportation-related planning activities

2

Terms and conditions for accepting Federal assistance

3

Establishes cooperative relationship between MPO and FDOT

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
FDOT/METROPOLITAN PLANNING ORGANIZATION AGREEMENT
425-010-02
POLICY PLANNING
OGC - 0124
Page 1 of 15

Financial Project No.: [] (Item segment phase sequence)	Fund: [] Function: [] Federal Award Identification No. (FAIN): [] MPO SAM No.: []	FLAIR Approp.: [] FLAIR Obj.: [] Org. Code: [] Vendor No.: []
Contract No.: []	CFDA Number & Title: []	

THIS FDOT/METROPOLITAN PLANNING ORGANIZATION AGREEMENT (Agreement) is made and entered into on this [enter date] day of [enter month] [enter year], by and between the STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION (Department), an agency of the State of Florida, whose address is Office of the District Secretary, [enter address] and the [enter name of Metropolitan Planning Organization (MPO)] (MPO), whose address is [enter address], and whose System for Award Management (SAM) Number is: [enter SAM No.] (collectively the "parties").

NOW, THEREFORE, in consideration of the mutual covenants, promises, and representation herein, the parties desiring to be legally bound, do agree as follows:

- Authority:** The MPO and the Department have authority to enter into this Agreement pursuant to 23 U.S.C. 134, 23 Code of Federal Regulations (CFR or C.F.R.) §450 and Section 339.175, Florida Statutes (F.S.), which, require the Department and the MPO to clearly identify the responsibilities for cooperatively carrying out the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) components of the Metropolitan Planning Process and accomplish the transportation planning requirements of state and federal law.
- Purpose of the Agreement:** The purpose of this Agreement is to pass financial assistance through the Department in the form of FHWA funds to the MPO for the completion of transportation related planning activities set forth in the Unified Planning Work Program (UPWP) of the MPO (Project), state the terms and conditions upon which FHWA funds will be provided, and set forth the manner in which work tasks and subtasks within the UPWP will be undertaken and completed. The Project is more fully described in the UPWP, which is attached and incorporated into this Agreement as Exhibit "A".
- Consolidated Planning Grant (CPG):** The Department is electing to participate in the Consolidated Planning Grant (CPG) program starting with the State fiscal year (FY) 22/23 – 23/24 two-year UPWP cycle. The Department is selecting FHWA to serve as the CPG lead grant agency in accordance with FTA Circular 8100.D. Under the CPG, the FTA and FHWA annually deliver lump sum appropriations to the Department to allocate to MPOs for the metropolitan planning activities. The federal funds are delivered to the Department in the form of FTA 5305(d) and FHWA planning (PL). The Department will utilize the CPG to combine the FTA 5305(d) and FHWA PL MPO allocations into a single grant that is administered by FHWA. The Department calculates annual MPO funding allocations using the approved FTA 5305(d) and FHWA allocation formulas.
- Scope of Work:** The UPWP, Exhibit "A", constitutes the Scope of Work for this Agreement.
- Project Cost:** The total budgetary ceiling for the Project is \$ []. The budget, including tasks, is summarized below, and detailed in the UPWP, Exhibit "A". The budget may be modified by mutual agreement as provided for in paragraph 9, Amendments.

The Department's performance and obligation to pay under this Agreement is contingent upon an annual appropriation by the Legislature. No work shall begin before the Agreement is fully executed and a "Letter of Authorization" is issued by the Department. The total of all authorizations shall not exceed the budgetary ceiling established for this agreement and shall be completed within the term of this Agreement.

FINANCIAL PROJECT NO.	AMOUNT
[]	[]
[]	[]

Signed *every 2 years with UPWP*

UPWP De-Obligation and Closeout





De-obligation and UPWP Close-out

De-obligation

- Removing unexpended, authorized funds
- Permission given by FHWA
- FDOT must unencumber funds before de-obligating
- Funds made available to MPO in Year 1 of the new UPWP if requested by May 1

UPWP Close-out

- Funds not unencumbered go through the UPWP close-out process
- Funds made available to MPO in Year 2 of the new UPWP



De-Obligation During Year 2 of the UPWP

**Before
May 1, 2024**

De-obligate before Close-Out.
Available in Year 1 of the new UPWP.

**After
July 2024**

De-obligate after Close-Out.
Available in Year 2 of the new UPWP.

Example – MPO chooses to de-obligate \$60,000 and reserve \$40,000

- \$60,000 is available after July 1, 2024 (Year 1)
- \$40,000 is available after July 1, 2025 (Year 2)



De-obligation Timeline – Before Closeout

April 15 

- Deadline for MPO to approve UPWP amendment to de-obligate funds

March 15 

- MPO notifies District MPO Liaison of the total amount of funds MPO plans to de-obligate
- MPO submits draft UPWP for review **in GAP**

May 1 

- Deadline for MPO to transmit UPWP amendment to de-obligate funds from the current UPWP to the District MPO Liaison
- MPO submits UPWP amendment for review and approval **in GAP**



De-Obligation Process – Before Closeout

Before May 2024

- De-obligate funds
- Add to UPWP
- Submit to MPO Board for Approval
- Include in final UPWP



FINAL

UPWP Close-Out

- Close-out occurs every other year
- Funds in prior year UPWP must be closed out within **90 days**
- FDOT has until **September 30** to have the final invoice closed out
- District MPO Liaison initiates close-out





UPWP Close-Out Process

August 1

- District reminds MPO to send a final invoice
- District processes final invoice
- District prepares Close-Out letter and Close-Out form
- MPO signs Close-Out form
- District prepares Close-Out memo

September 30

- Complete the Close-Out process



What if MPO anticipates that final invoice will not be submitted until after September 30?

- 1 MPO must notify District
- 2 District makes time extension request to FHWA
- 3 FHWA provides 30-day extension
 - After 30 days, another extension may be granted





UPWP Chapter

MPO Handbook Update **January 2024**



- Reorganized to make easier to read
- More information on de-obligations
- Updated for next round of UPWPs



UPWPs in GAP

- The following UPWPs will be uploaded to the GAP System:
 - UPWP Draft & Final
 - UPWP Amendments for de-obligation





GAP System

New UPWP Workflow

Training on February 8 at 9:30 am



GAP Website: [Florida Gap - Log In \(blackcatgrants.com\)](https://blackcatgrants.com)



Benefits



**Improved User
Accessibility**



**Workflow
Consistency**



**Fewer
Notifications**

BREAK

Lunch Order Payment

- Cash – \$10
- Venmo – Macy Falcon (@Marcellus413)



venmo

Transportation Performance Management

FDOT



Today's Purpose

Provide overview of federal performance measures and current statewide targets

*Describe FDOT's approach to **target setting***

*Define the role of the **MPOs/TPAs** in setting and making progress toward targets*

What We've Heard

How will the state ensure pavement and bridges remain safe and in good condition?

How are state performance targets determined?

How will state and MPO performance targets affect future investments?

How will FDOT coordinate with MPOs on future state targets?



Today's Agenda

Topic	Presenter
Transportation Performance Management	
<i>Overview</i>	Dana Reiding, Manager, Forecasting & Trends Office Dan Cashin, Manager, Finance, Program & Resource Allocation
<i>Highway Safety</i>	Brenda Young, State Traffic Safety Engineer
<i>Pavement</i>	Charles Holzschuher, State Pavement Materials Engineer
<i>Bridge</i>	Felix Padilla, State Structures Maintenance Engineer
<i>System Performance</i>	Fred H. Heery, Sr., State TSM&O Program Engineer
<i>Sourcebook Live "Walk through"</i>	Becky Marsey, Performance & Trends Manager
<i>Discussion and Next Steps</i>	Jennifer Fortunas, Dana Reiding

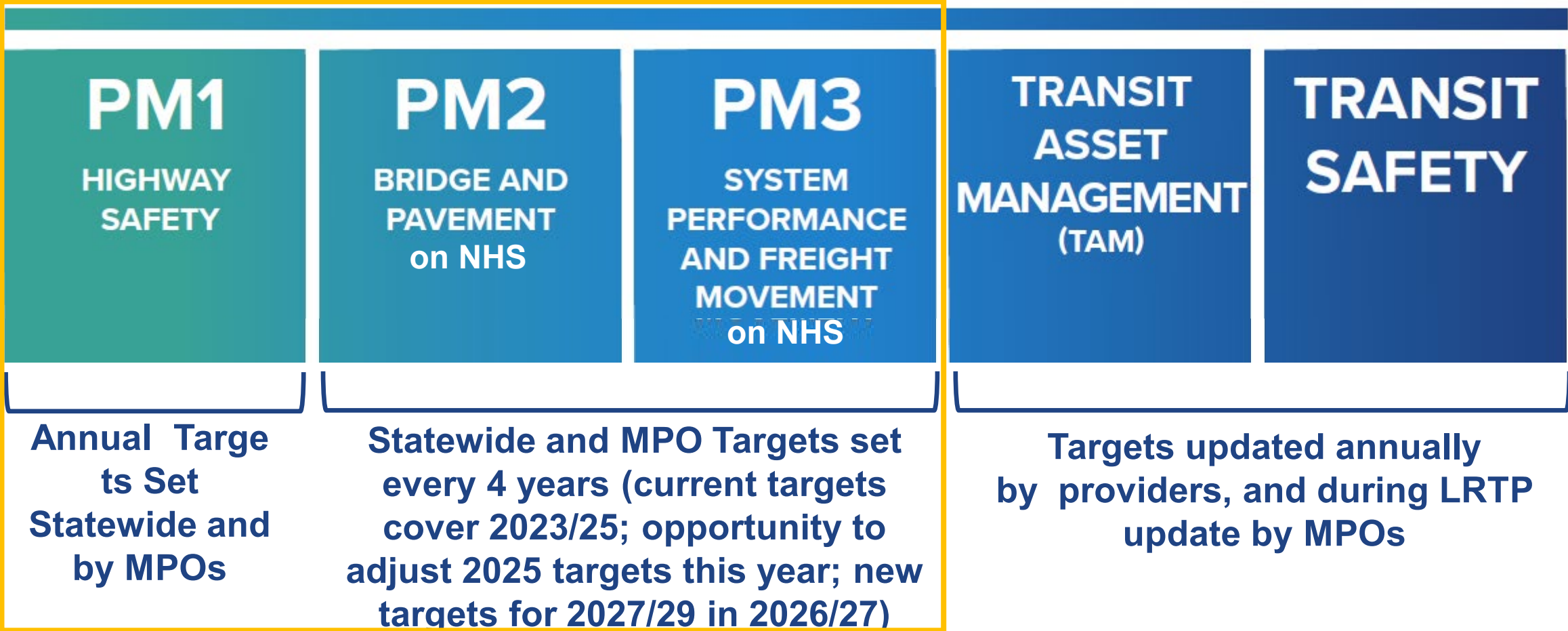
TPM Overview

Dana Reiding
Manager, Forecasting & Trends Office

Role of TPM



Federal TPM Framework



TPM Target Setting and Reporting Roles

	FDOT	MPOs
Target setting	Statewide targets	Support statewide target OR set target for MPO planning area
Reporting	<p>FTP: statewide progress toward targets, including MPO progress</p> <p>STIP: anticipated impact of STIP toward achieving targets</p> <p>Bi-annual report to FHWA on basis for and progress toward PM2 and PM3 targets</p>	<p>MPO LRTP: progress toward targets in MPO area</p> <p>TIP: anticipated impact of TIP toward achieving performance targets</p> <p>Data and progress on specific targets for MPO planning area to FDOT</p>

Target Setting Considerations

What: *Quantifiable level of future performance, considering*

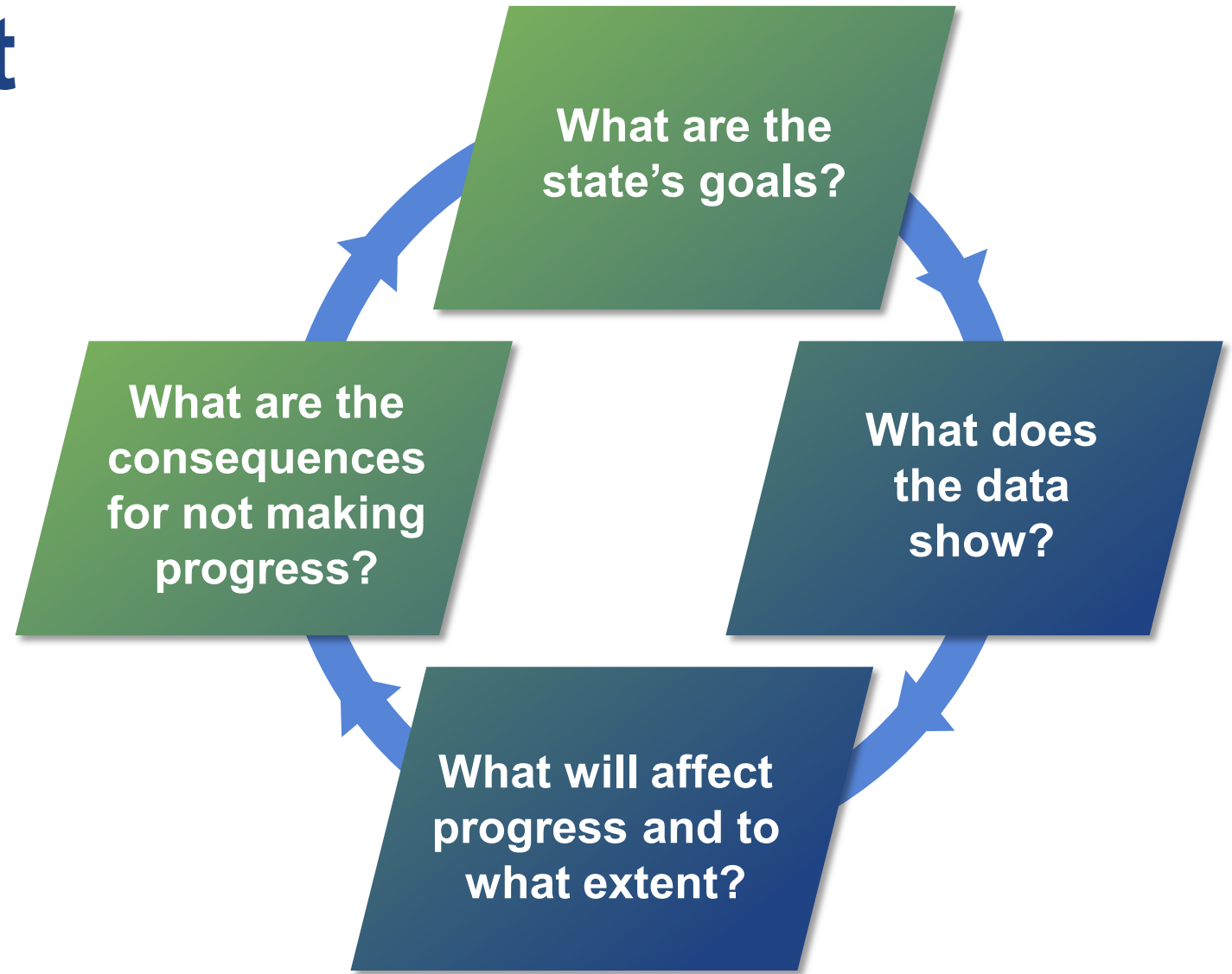
- Recent performance trends
- External factors (e.g., population growth, travel demand, construction and operations costs)
- Policy considerations, including state and federal regulations
- Availability of funding, workforce and other resources

How: *Multiple approaches*

- Aspirational – *where do we desire to be?*
- Policy-driven – *where do we need to be to meet statutory or agency priorities?*
- Data-driven – *where do we expect to be based on available resources and external trends?*

Statewide Target Setting Process

- Collaboration with FDOT program offices
- Collaboration with MPOs
 - *Review data & targets*
 - *Receive input*
- Approval by FDOT Leadership



Context for FDOT's Investments

Dan Cashin

Manager, Finance, Program and Resource Allocation
Office of Work Program & Budget

FDOT Mission & Prevailing Principles

- **Mission:**

- Provide a safe statewide transportation system that ensures the mobility of people and goods, enhances economic prosperity, and preserves the quality of our environment and communities

- **Prevailing Principles** to be considered in developing an integrated, balanced statewide transportation system:

- Preserve existing transportation infrastructure
- Enhance Florida's economic competitiveness
- Improve travel choices to ensure mobility

Statutory Goals

- **Preservation includes:**

- Ensuring 80% of the pavement on the State Highway System (SHS) meets FDOT standards
- Ensuring 90% of FDOT-maintained bridges meet FDOT standards
- Ensuring FDOT achieves 100% of the acceptable maintenance standard on the SHS

Florida Transportation Plan Goals

SAFETY AND SECURITY FOR
RESIDENTS, VISITORS AND BUSINESSES

TRANSPORTATION
SOLUTIONS THAT
ENHANCE FLORIDA'S
ENVIRONMENT



AGILE, RESILIENT,
AND QUALITY
TRANSPORTATION
INFRASTRUCTURE

TRANSPORTATION
SYSTEMS THAT
ENHANCE
FLORIDA'S
COMMUNITIES



CONNECTED,
EFFICIENT, AND
RELIABLE MOBILITY
FOR PEOPLE
AND FREIGHT

TRANSPORTATION
SOLUTIONS THAT
STRENGTHEN
FLORIDA'S ECONOMY



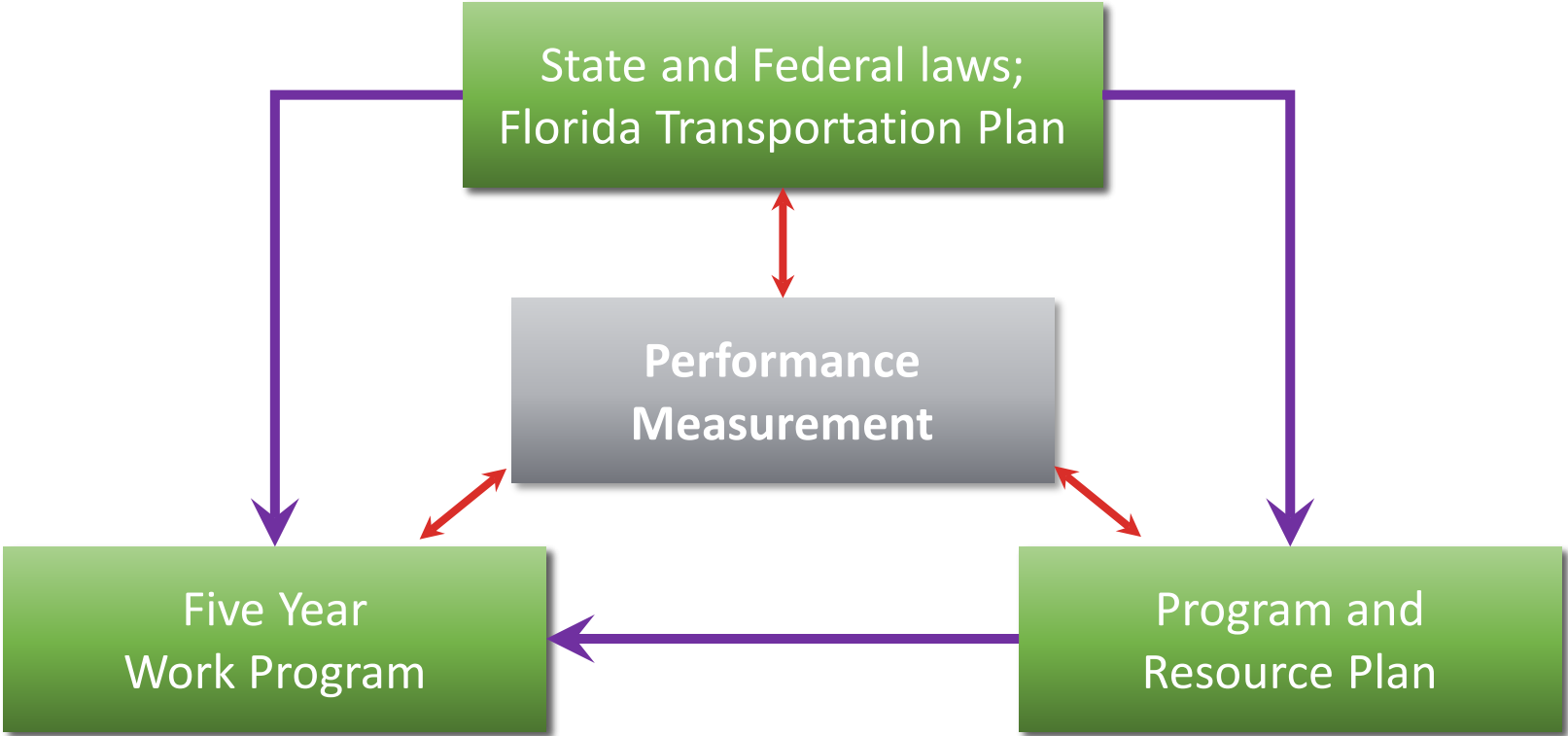
TRANSPORTATION
CHOICES THAT
IMPROVE ACCESSIBILITY
AND EQUITY

State Investment Priorities

- Safety (all programs)
- Preserve investments – needs-based with statutorily defined objectives
 - Bridge
 - Resurfacing
 - Maintenance
- Statutory allocation requirements
 - 15% Public Transportation
 - 1.5% Landscaping, etc.
- Transportation system capacity
 - Strategic Intermodal System (SIS)
 - Arterials and other non-SIS projects

Framework for Investment Decisions

Performance-Based Planning and Programming





Thank You!

Daniel "Dan" Cashin
Manger
Finance, Program & Resource Allocation

Phone: 850-414-4428

Email: daniel.cashin@dot.state.fl.us



Strategic
development

Highway Safety (PM1)

Brenda Young, P.E.
State Highway Safety Engineer
State Safety Office

Polling Question

- What do you need to know?

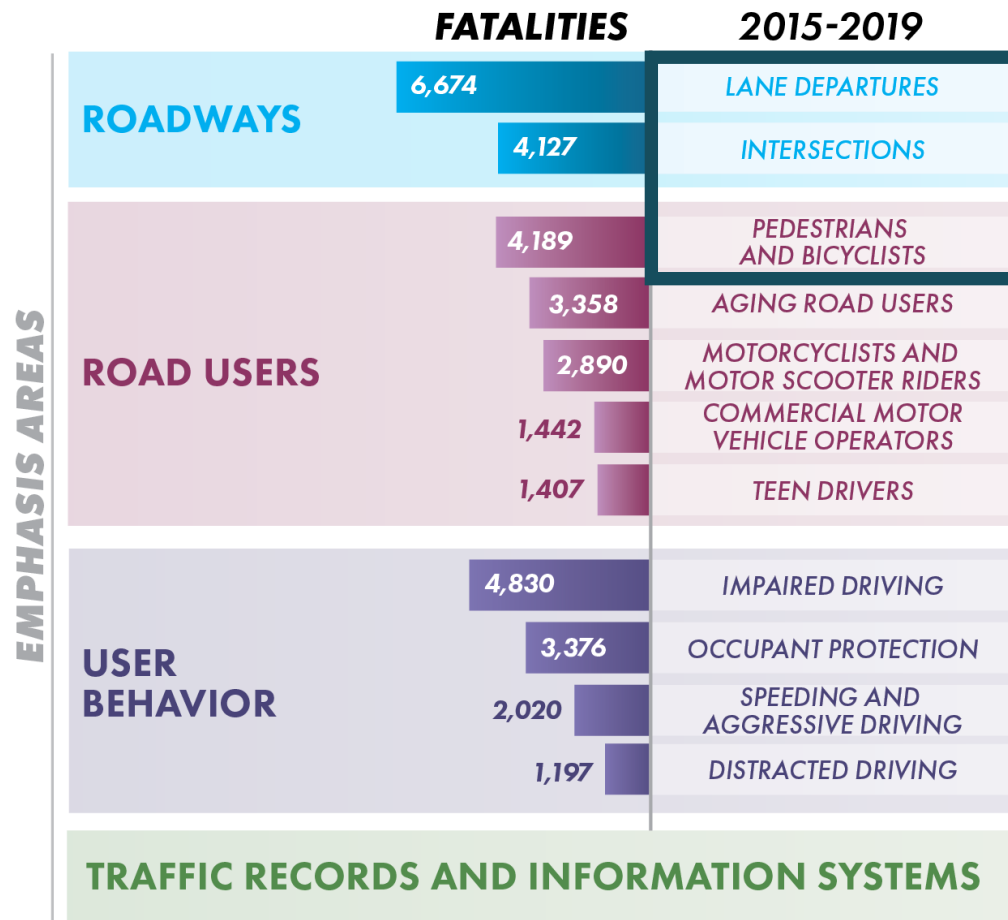
Go to www.menti.com

Enter the code: 83605909

Or use the QR code



Emphasis Areas



Highway Safety Performance Targets

Federal Safety Performance Measures

PERFORMANCE MEASURES – APPLICABLE TO ALL PUBLIC ROADS

NUMBER OF FATALITIES	<i>The total number of persons suffering fatal injuries in a motor vehicle crash during a calendar year.</i>	RATE OF SERIOUS INJURIES	<i>The total number of serious injuries per 100 million VMT in a calendar year.</i>
RATE OF FATALITIES	<i>The total number of fatalities per 100 million vehicle miles traveled (VMT) in a calendar year.</i>	NUMBER OF NON-MOTORIZED FATALITIES AND NON-MOTORIZED SERIOUS INJURIES	<i>The combined total number of non-motorized fatalities and non-motorized serious injuries involving a motor vehicle during a calendar year.</i>
NUMBER OF SERIOUS INJURIES	<i>The total number of persons suffering at least one serious injury in a motor vehicle crash during a calendar year.</i>		

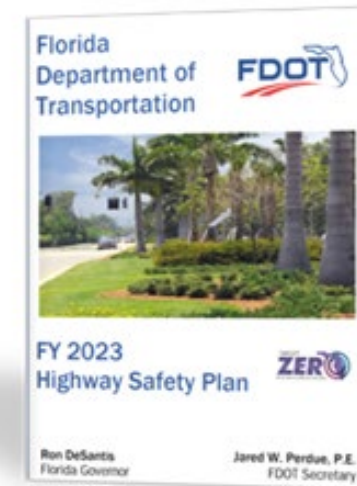
Target:
ZERO

Strategic Highway Safety Plan

- **Federal Highway Administration (FHWA)**
 - Highway Safety Improvement Program (Engineering Countermeasures)
 - Approximately \$150M Annually
- **National Highway Traffic Safety Administration (NHTSA)**
 - Highway Safety Plan (Education and Enforcement Countermeasures)
 - Approximately \$35M Annually

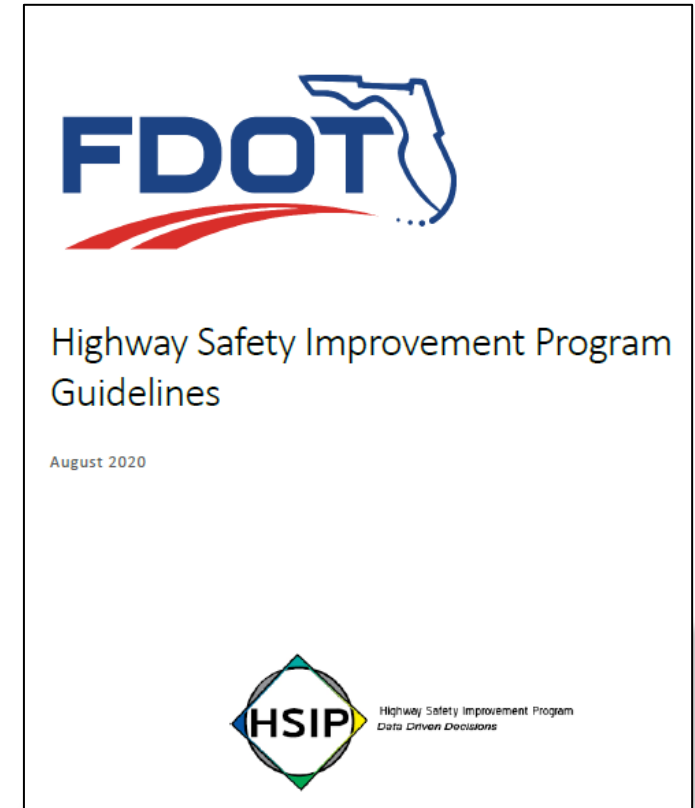


TARGET
ZERO
FATALITIES & SERIOUS INJURIES



Highway Safety Improvement Program (HSIP)

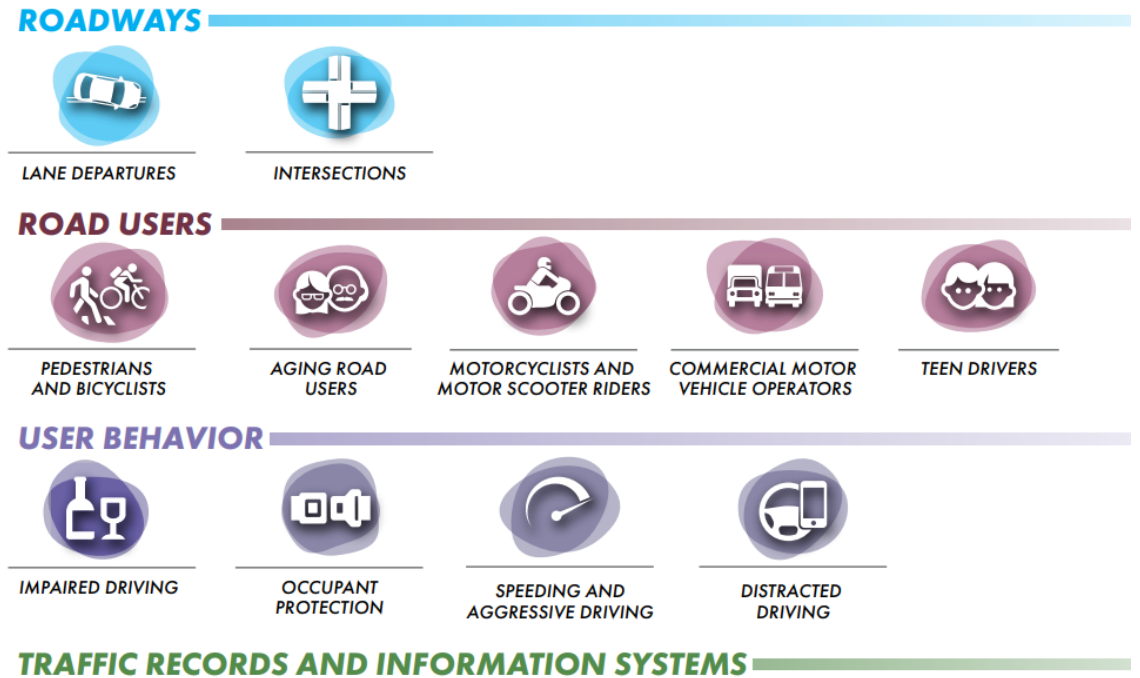
- Core Federal-aid program
- Administered by Federal Highway Administration (FHWA)
- Objective: significantly reduce fatal or serious injuries on all public roadways
- FHWA requires all states to submit a report by August 31st each year



[FDOT HSIP Guidelines](#)

HSIP Eligibility: All Public Roadways

- Implements safety infrastructure countermeasures or improves safety data collection, integration, and analysis such that HSIP stakeholders can better plan, implement, and evaluate highway safety improvement projects in the future
- Consistent with an emphasis area, strategy, or activity identified in the Florida SHSP
- Estimated benefit-cost ratio (BCR) of 1.0 or greater
- Addresses a serious crash risk or safety problem identified through a data-driven process

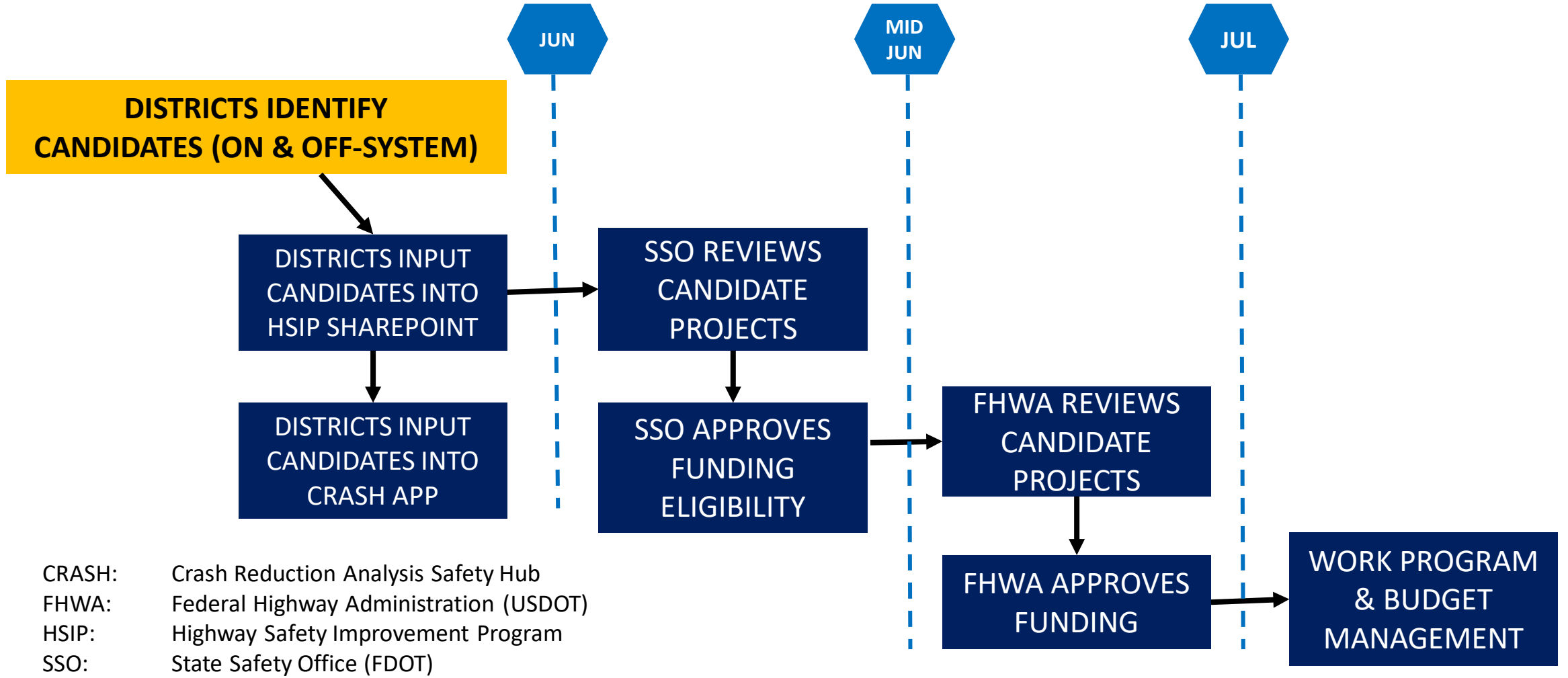


Likely to result in a reduction of fatalities and serious injuries

Partnership to Achieve Florida's Safety Vision



HSIP Timeline



HSIP – Project Identification

- Network Screening for Locations with Potential for Safety Improvement
- Systemic Safety Analysis for Countermeasure Deployment
- Local Road Safety Plans, Local Agency Requests, and Citizen Requests, Community Traffic Safety Teams
- Investigations into Fatality Locations
- Supplement Other Planned Projects
- Other Safety-Related Studies



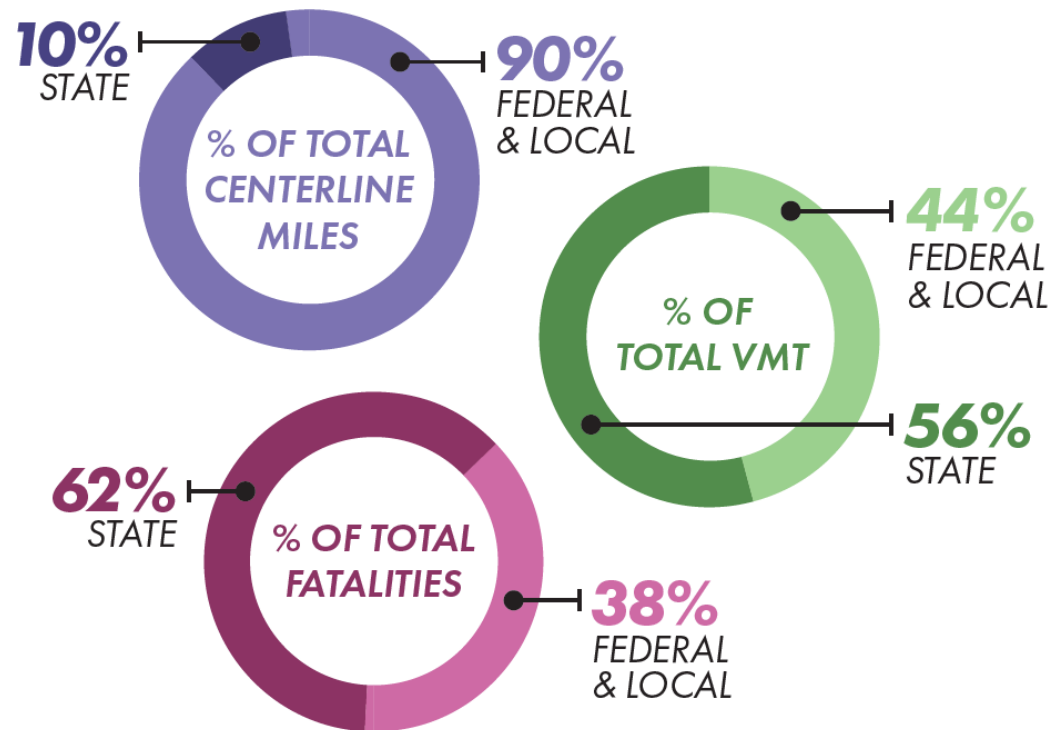
Highway Safety Improvement Program Guidelines

August 2020



HSIP – Investments On & Off-System

CENTERLINE MILES, VMT, AND FATALITIES BY ROAD TYPE (2019)



Source: 2021 Florida Strategic Highway Safety Plan

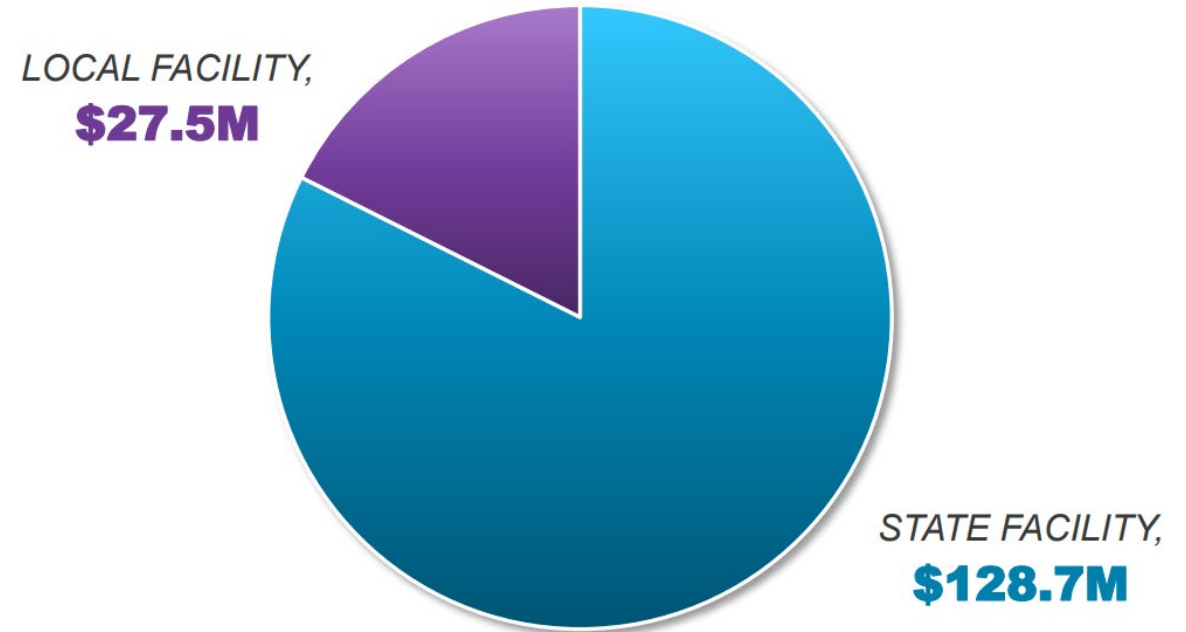


Figure 3: HSIP Funding Allocation

The latest list of HSIP projects can be found in the [HSIP Annual Report](#).

Source: 2023 FDOT HSIP Implementation Plan

Safety Performance

Performance Measures	2017	2018	2019	2020	2021	2022	CY2024 target
Fatalities	3,116	3,135	3,185	3,332	3,741	3,434	0
Serious Injuries	20,380	19,196	18,063	15,614	16,826	15,940	0
Fatality Rate (per HMVMT)	1.424	1.413	1.411	1.605	1.667	1.440	0
Serious Injury Rate (per HMVMT)	9.313	8.654	8.002	7.521	7.499	6.684	0
Non-Motorized Fatalities/ Serious Injuries	3,330	3,201	3,188	2,908	3,186	3,204	0

NEW: District Allocations FY 24, By Statutory Formula

%s of FDOT 2023 Program
Planning Workshop:

District	Statutory Formula
1	14.77%
2	11.41%
3	7.42%
4	18.13%
5	21.67%
6	11.88%
7	14.73%



Work Program Instructions

FY 21/22 – 25/26

September 18, 2020

2023 Accomplishment!

FLORIDA'S TWO PRIMARY CRASH DATA SYSTEMS ARE NOW MERGED INTO ONE!

The best of both platforms have been maximized – the power of FDOT's **Crash Analysis Reporting (CAR)** System's database & analytics and **Signal Four (S4) Analytics'** visualization capabilities and easy to use customer interface.

FDOT NOW HAS **ONE SOURCE** OF CRASH DATA.
S4 ANALYTICS IS NOW FDOT'S OFFICIAL CRASH DATA REPOSITORY.

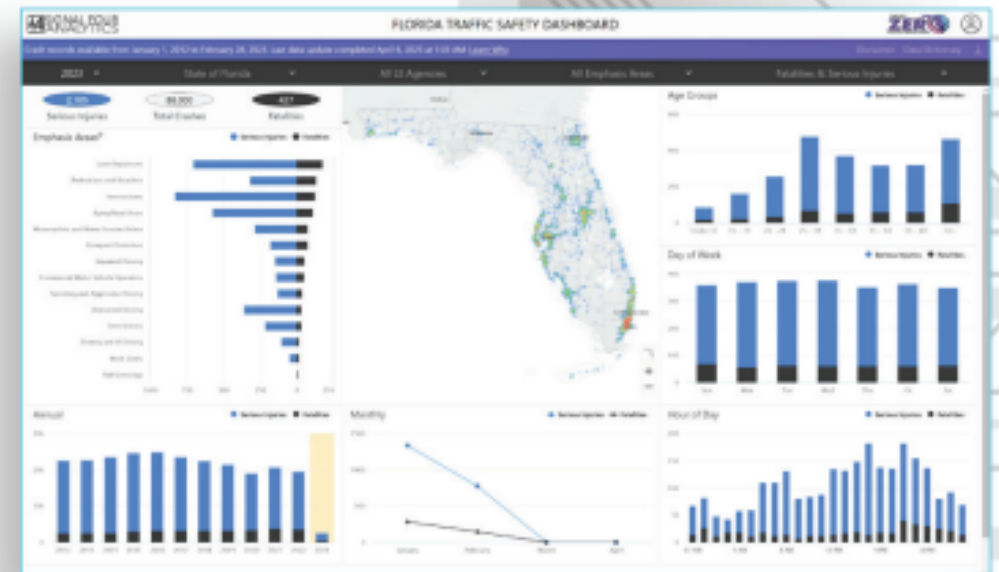


KEY FEATURES:

- Easy to use **visual interface** to dynamically filter and query
- FDOT **single sign-on!**
- Includes both **state and local** roadway network
- FDOT **Roadway ID/milepost** integration
- FDOT-verified **crash locations**
- Detailed **pedestrian & bicycle** crash-typing
- Summary **charts**
- All the **Districtwide summaries** you've grown to love from CAR Online

TRAINING AND RESOURCES:

- [Click here to view available S4 training](#)
- To support location/project level crash data use, [FDOT's Crash Data Guidance](#) was updated to give practitioners guidance on getting the latest available crash data from S4 for all FDOT safety analyses and projects
- Webinars are being developed for FDOT District staff and MPO staff — stay tuned!



[Signal 4 Analytics Announcement - v3 \(windows.net\)](#)

[The NEW Signal 4 Analytics for Our MPO Partners - Florida LTAP Center](#)

Highway Safety: Key Dates

Date	Milestone
August 31, 2023	FDOT establishes CY 2024 Highway Safety targets
February 27, 2024 (on or before)	MPOs establish CY 2024 Highway Safety targets

Polling Question

- What did we miss?

Go to www.menti.com

Enter the code: 83605909

Or use the QR code





Thank You!

Brenda Young, P.E.
State Safety Engineer

Phone: 850-414-4146

Email: brenda.young@dot.state.fl.us



Strategic
development

Pavement Performance Measures (PM2)

Charles Holzschuher, P.E.
State Pavement Materials Engineer

Polling Question

- What do you need to know?

Go to www.menti.com

Enter the code: 83605909

Or use the QR code

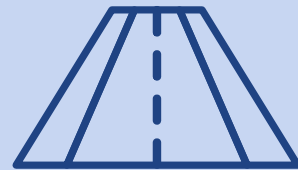


PM2 Pavement: What Are We Measuring?

Condition of pavement

Federal Measures Focus on NHS

PAVEMENT



STATEWIDE
(Lane-miles)

37,626 *on NHS*

45,221 *on SHS*

PM2: Federal Pavement Measures

Performance Measure

Interstate Pavement in Good condition - % classified in Good condition by lane-miles

Interstate Pavement in Poor condition - % classified in Poor condition by lane-miles

Non-Interstate NHS Pavement in Good Condition - % classified in Good condition by lane-miles

Non-Interstate NHS Pavement in Poor Condition - % classified in Poor condition by lane-miles

What Are We Collecting? – Pavement Condition Data

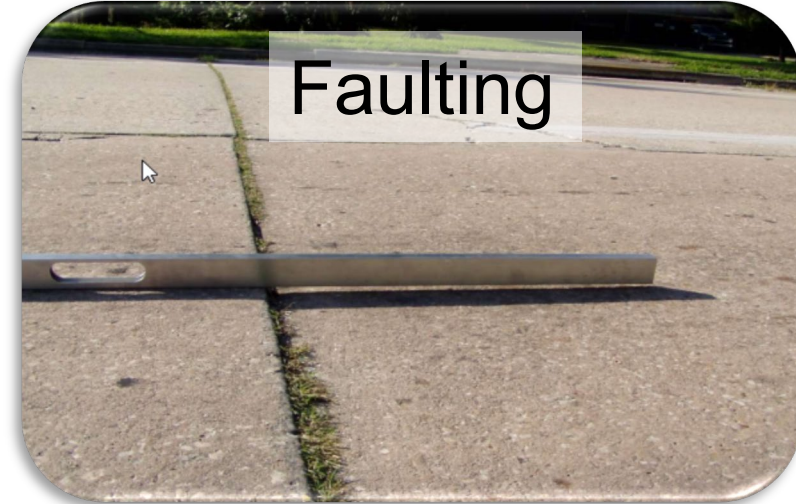
Cracking



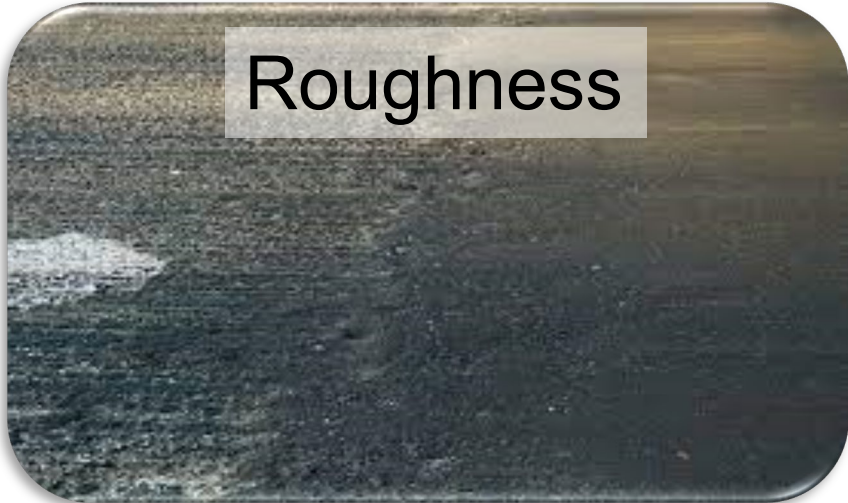
Raveling



Faulting



Roughness



Rutting



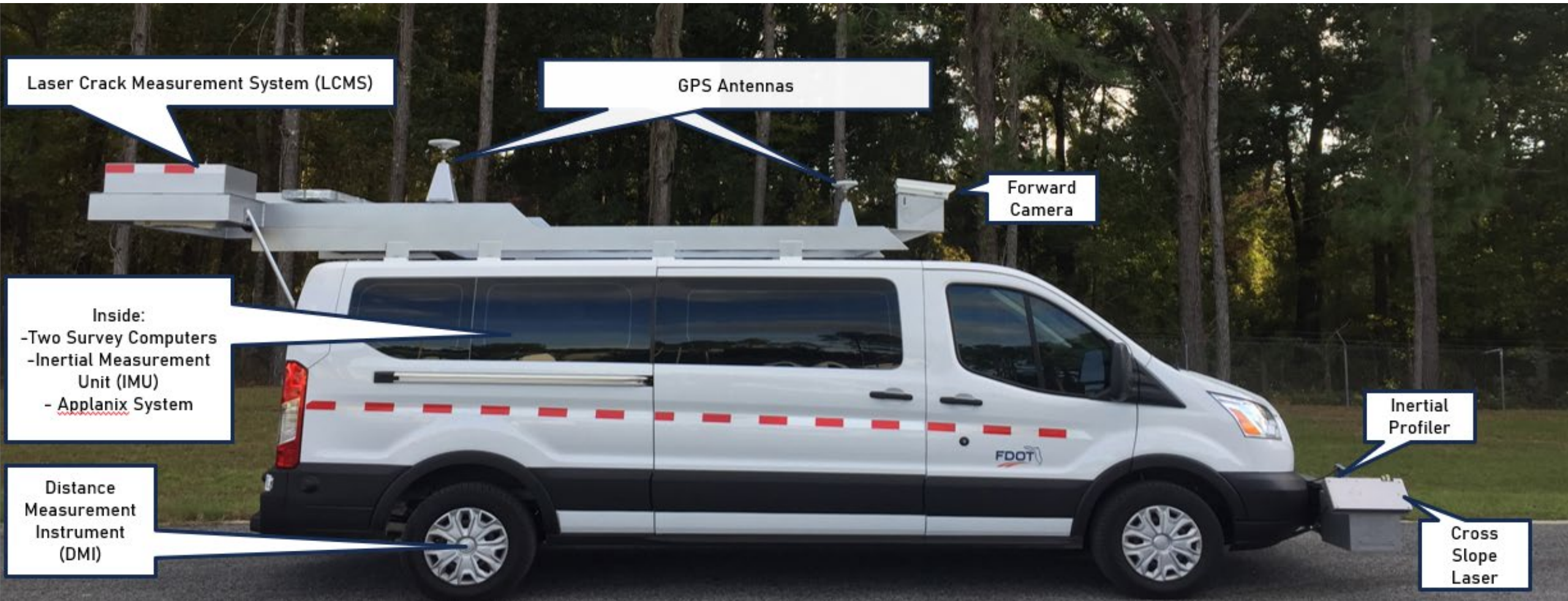
Cracking & Spalling



Why Do These Measures Matter?

- Ensure roads are safe for the traveling public
- Help owners identify maintenance and repair needs to keep pavement in good condition and avoid more expensive repair or replacement costs in the future

How Are We Collecting? – Laser Crack Measurement System



Example Data Capabilities



FDOT State Materials Office - LCMS Image Viewer

Questions or Feedback: Mateo.Carvajal@dot.state.fl.us

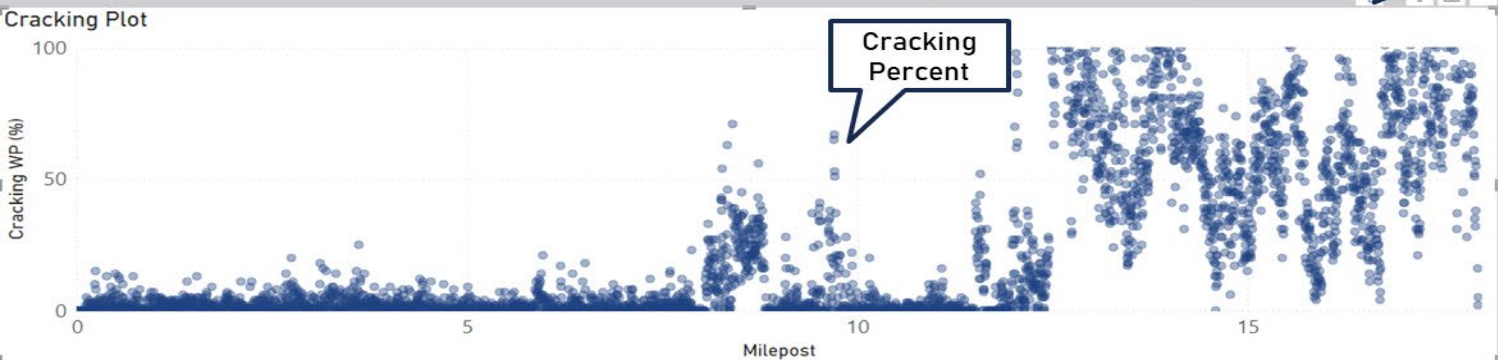
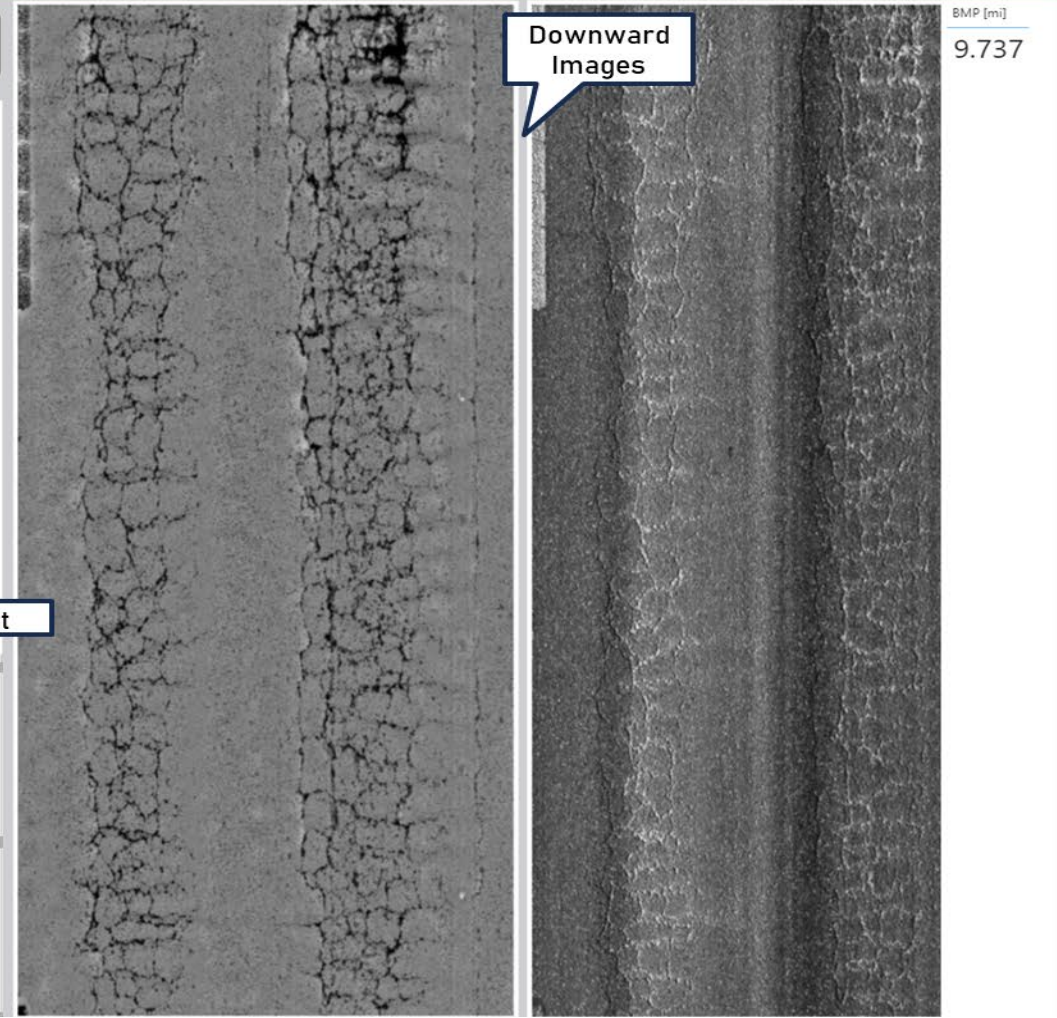
District: [1] [2] [3] [4] [5] [6] [7]

Roadway ID: 18070ET.N01

Milepost: 0.00 - 45.71

Show/Hide Map:

CLEAR FILTERS



What Are the Measuring Requirements?

FDOT

- Entire section is rated
- Crack Rating based on visual assessment (past) automated crack detection(present/future) and includes raveling and patching
- Metrics (Rut, Ride, Crack)
 1. Deficient: Any rating ≤ 6.4
 2. Excellent condition: All three ratings ≥ 8.5
 3. Good condition: All three ratings 6.5 to 8.4
 4. Fair condition: One or more ratings ≤ 6.4
 5. Poor condition: One or more ratings ≤ 4.4

Metric	Non-Deficient	Deficient
Ride Rating	≥ 6.5 (IRI ≤ 125 in/mile)	< 6.5 (IRI > 125)
Rut Rating	≥ 6.5 (Rut $\leq 3/8$ in)	< 6.5 (Rut $> 3/8$ in)
Crack Rating	≥ 6.5	< 6.5

FHWA

- 0.1-mile segments are rated
- % Cracking in WP only (automated)
- Metrics (Rut, IRI, Crack, Fault)
 1. Good condition – all metrics must be good
 2. Poor condition – 2 out of 3 conditions are poor

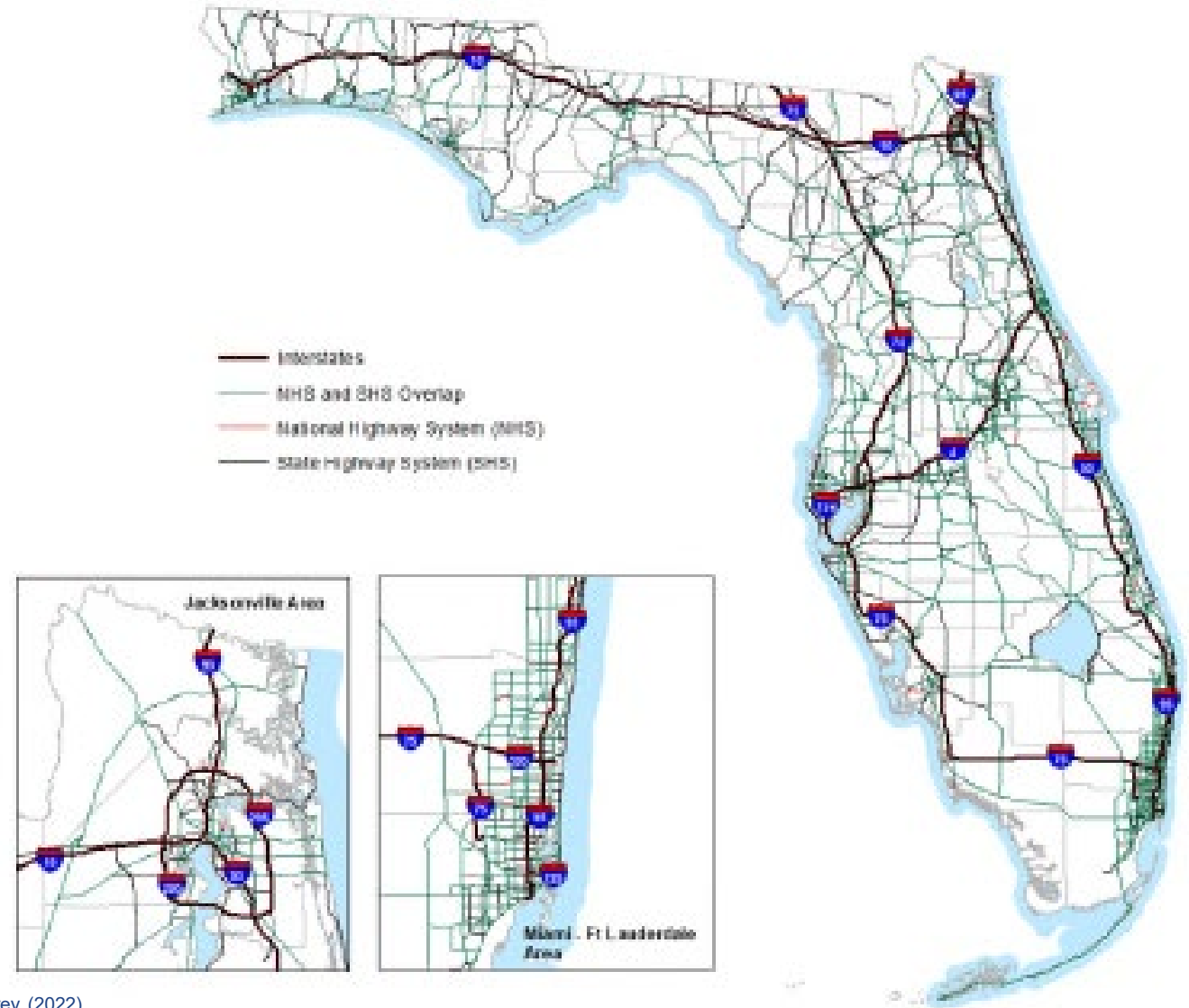
Metric	Good	Fair	Poor	
IRI (in/mile)	< 95	95 – 170	> 170	
Rutting (in)	< 0.20	0.20 – 0.40	> 0.40	
Cracking (%)	Asphalt	< 5	5 – 20	> 20
	JPCP	< 5	5 – 15	> 15
Faulting (in)	< 0.10	0.10 – 0.15	> 0.15	

Statewide Lane Miles (SHS and NHS Overlap)

	SHS	Interstate SHS/ NHS	Non-Interstate NHS	NHS Total
On-System	45,221	8,723	26,413	35,136
Off-System	0	0	2,490	2,490
Total	45,221	8,723	28,903	37,626

- **Annual Tested Lane Miles ~ 23,000**
- **79% Overlap with NHS/SHS**
- **8.6% Non-Interstate NHS is off SHS**

Source: FDOT, Transportation Data & Analytics Office and State Materials Office, Pavement Condition Survey (2022)



Target-Setting Considerations

- Statewide statutory requirement F.S. 334.046(4)(a)(1)
 - Ensuring 80 percent of the pavement on the SHS meets FDOT standards
 - Arterials + Interstate + Turnpike Systems
- Work Program
 - Utilize Pavement Management Forecasting Tools
 - Set target lane miles for 5-year work program



PM2 Pavement Performance Targets

SYSTEM PERFORMANCE MEASURES	ACTUAL DATA						2 ND PERFORMANCE PERIOD	
	2017	2018	2019	2020	2021 BASELINE	2022	2023 TARGET	2025 TARGET
% OF INTERSTATE PAVEMENTS IN GOOD CONDITION	67.5%	53.7%	68.5%	68.8%	70.5%	73.4%	> 60.0%	> 60.0%
% OF INTERSTATE PAVEMENTS IN POOR CONDITION	0.0%	0.6%	0.2%	0.6%	0.3%	0.2%	< 5.0%	< 5.0%
% OF NON-INTERSTATE NHS PAVEMENTS IN GOOD CONDITION	44.0%	40.1%	41.0%	NA	47.5%	48.8%	> 40.0%	> 40.0%
% OF NON-INTERSTATE NHS PAVEMENTS IN POOR CONDITION	0.5%	0.4%	0.2%	NA	0.6%	0.6%	< 5.0%	< 5.0%

Source: FDOT, Source Book

Data Sources

Data Source	Owner	Contact	Data Availability
FDOT Pavement Condition Data (Crack, Rut/Fault, Ride) – Section Level Data	FDOT	William (Thad) Bryant Kyle Kroodsma	March of following year
HPMS Pavement Condition Data (Crack, Rut/Fault, Ride) - 0.1-mile	FHWA	Matthew Spiel	Interstate: April of following year Non-Interstate: June of following year
MPO Pavement Performance Report – 0.1-mile	FDOT	Eric Brickner	June of following year

Key Upcoming Dates

Date (on or before)	Milestone
April 15, 2024	FDOT submits HPMS Interstate Data to FHWA
June 15, 2024	FDOT submits HPMS Non-Interstate Data to FHWA
August 31, 2024	FDOT consults with and provides pavement data to MPOs
October 1, 2024	FDOT submits mid-period performance report and has option of updating CY 2025 PM2 targets
March 30, 2025	MPOs establish CY 2025 PM2 targets or adopt FDOT statewide targets

Discussion

- Do you have questions about the PM2.5 Pavement data and statewide targets?
- How can we improve coordination with MPOs in this area?

Polling Question

- What did we miss?

Go to www.menti.com

Enter the code: 83605909

Or use the QR code





Thank You!

Charles Holzschuher, P.E.
State Pavement Materials Engineer

Phone: 352-955-6341

Email: charles.holzschuher@dot.state.fl.us



Strategic
development

Bridge Performance Measures (PM2)

Felix Padilla, P.E.
State Structures Maintenance Engineer

Polling Question

- What do you need to know?

Go to www.menti.com

Enter the code: 83605909

Or use the QR code



PM2 Bridges: What Are We Measuring?

Condition of bridges based on deck area

Federal Measures Focus on NHS

BRIDGES



STATEWIDE

5,722 on NHS
7,236 on SHS
12,740 on all public roads

PM2: Federal Bridge Measures

Performance Measure

NHS Bridges in Good condition - % of NHS bridges classified as in Good condition by deck area

NHS Bridges in Poor condition - % of NHS bridges classified as in Poor condition by deck area

Why Do These Measures Matter?

- Ensure bridges are safe for the traveling public
- Help owners identify maintenance and repair needs to keep bridges in good condition and avoid more expensive repair or replacement costs in the future

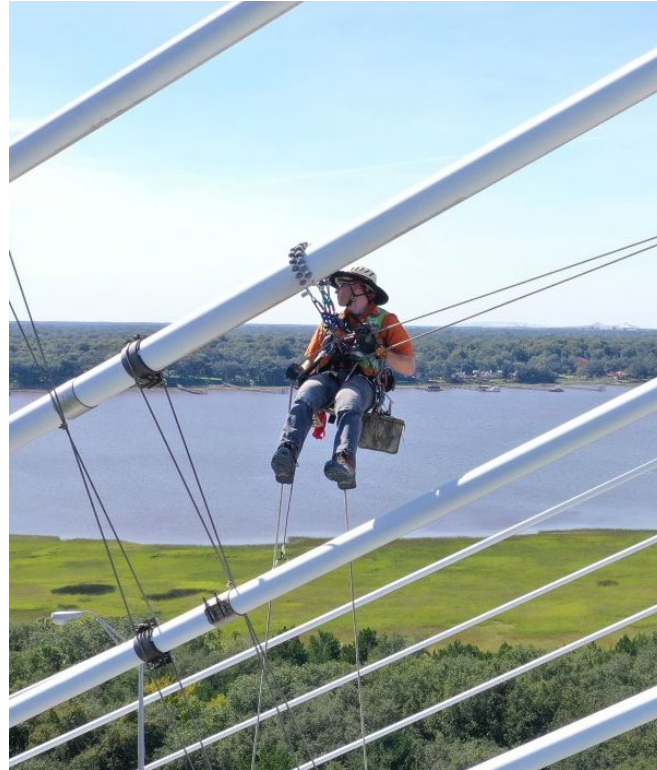
What Are We Collecting?

Bridge Condition and Inventory Data



How Are We Collecting the Data?

Bridge Inspectors and Equipment



Example of Data Collected

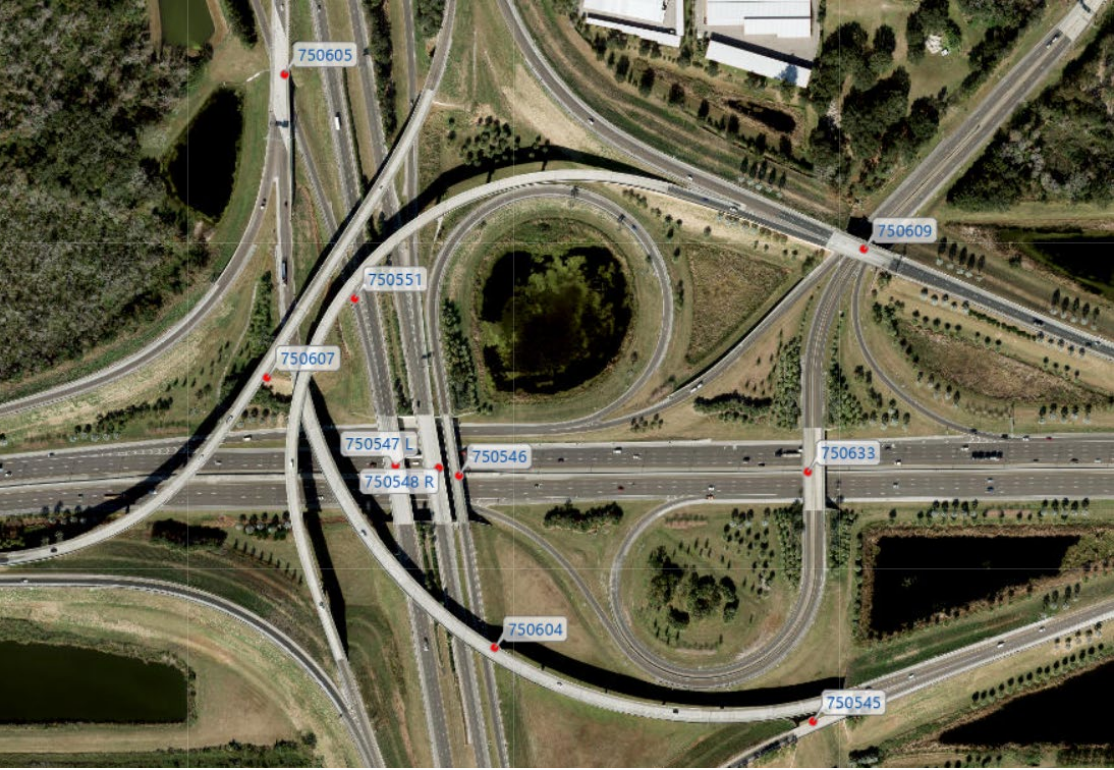
Street View	GO
Facility	SR 91 RAMP 266.1
Intersection	SR 408
County	95 Orange
District	8
LRS	0075470151
Milepost	0.370000

INSPECTION	
Date	10/25/2023
Deck	7 Good
Superstructure	7 Good
Substructure	7 Good
Channel	N N/A (NBI)
Culvert	N N/A (NBI)
Scour	N Not Over Waterway
Posted	A Open, no restriction

STRUCTURE	
Spans	2
L. Governing	164.80
L. Maximum	200.10
L. Overall	366.10
Main Design	02 Stringer/Girder
Main Material	4 Steel Continuous
Owner	33 Turnpike
Service	6 2nd Level Interchange
Vertical Over	99.90
Vertical Under	15.80
Year Built	1990
Year Recon	0

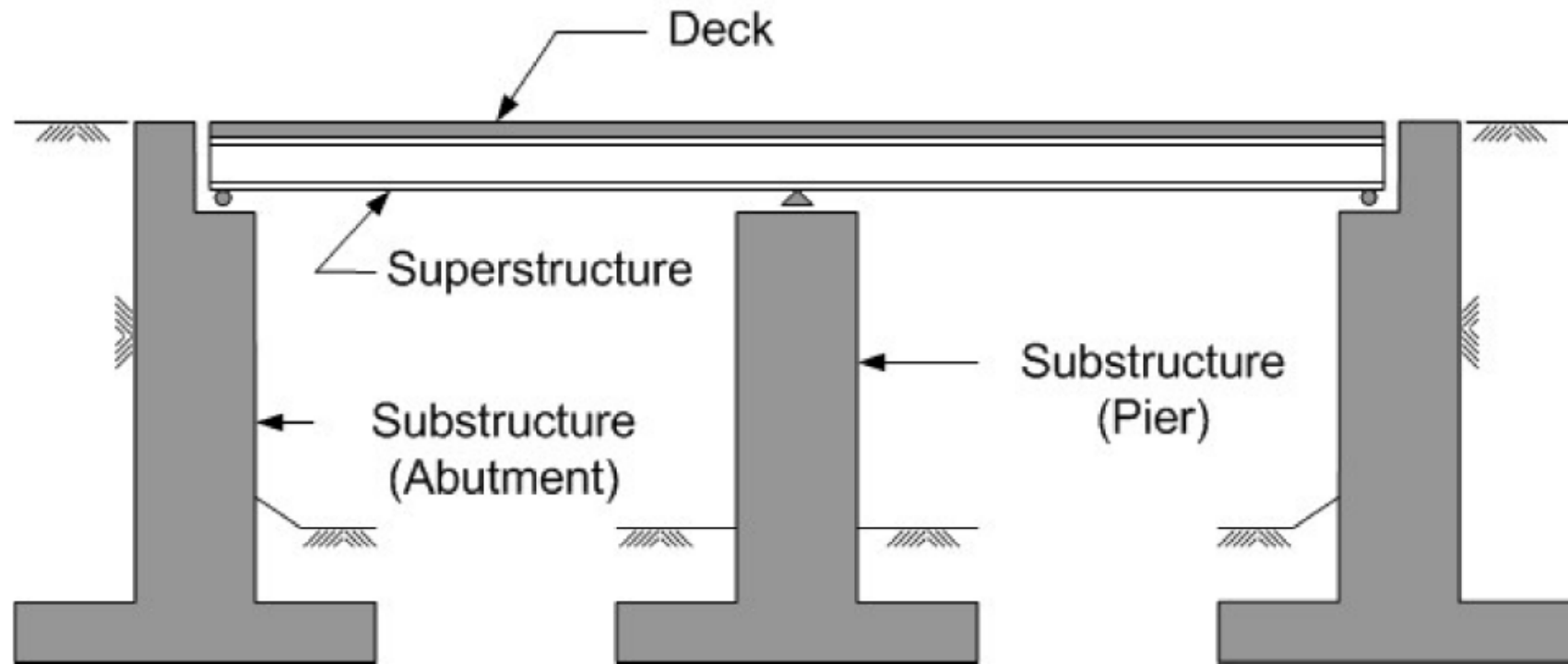
LOAD RATING	
Date	8/19/2021
Operating	32.90
FL120	79.50
MaxSpan	103.80

Example of Data Collected



What Are the Measuring Requirements?

The **Condition** of the bridges based on deck area



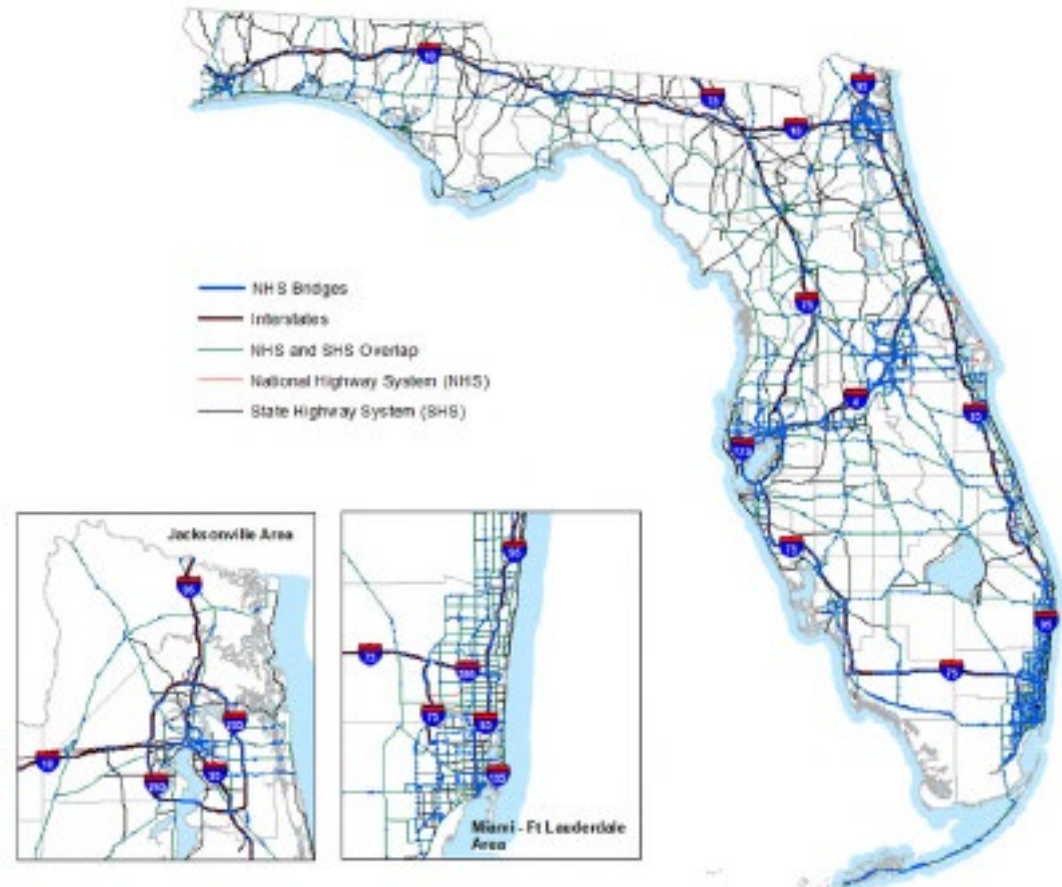
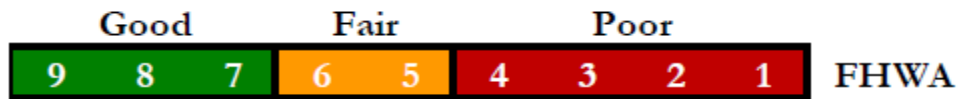
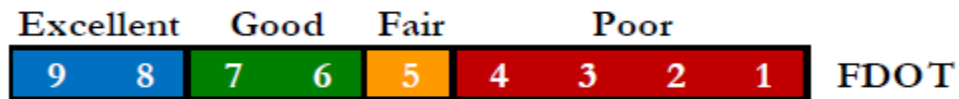
Statewide Bridges (SHS and NHS)

FDOT

- Bridges located on the State Highway System
- Condition of Bridges by count

FHWA

- Bridges located on the National Highway System
- Condition of Bridges by deck area



Source: FDOT, Transportation Data & Analytics Office, October 2022

Target-Setting Considerations

- Statewide statutory requirement
 - Ensuring 90% of FDOT-maintained bridges meet FDOT standards
- Work Program
 - Utilize Bridge Management Forecasting Tools
 - Set target for 5-year work program

PM2: Bridge Performance Targets

	ACTUAL DATA						2 ND PERFORMANCE PERIOD	
BRIDGE CONDITION PERFORMANCE MEASURES	2017	2018	2019	2020	2021 BASELINE	2022	2023 TARGET	2025 TARGET
<i>% OF NHS BRIDGES IN GOOD CONDITION (BY DECK AREA)</i>	67.7%	66.8%	65.5%	63.7%	61.5%	58.2%	> 50.0%	> 50.0%
<i>% OF NHS BRIDGES IN POOR CONDITION (BY DECK AREA)</i>	1.2%	1.2%	0.5%	0.7%	0.9%	0.6%	< 10.0%	< 10.0%

Source: FDOT, Source Book

Data Sources

Data Source	Owner	Data Availability
Florida Bridge Inventory	FDOT	July of following year
Florida Bridge Information	FDOT	Quarterly
MPO and Statewide Performance Reports	FDOT	June of following year
FDOT NBI Data	FHWA	July of following year

- FDOT Bridge Information site: <https://www.fdot.gov/maintenance/bridgeinfo.shtm>
- FHWA InfoBridge site: <https://highways.dot.gov/research/long-term-infrastructure-performance/ltbp/infobridge>

Key Upcoming Dates

Date (on or before)	Milestone
March 15, 2024	FDOT submits annual National Bridge Inventory (NBI) data to FHWA
June 15, 2024	FHWA extracts NHS bridge condition data from NBI to determine minimum condition level
August 31, 2024	FDOT consults with and provides bridge data to MPOs
October 1, 2024	FDOT submits mid-period performance report and has option of updating CY 2025 PM2 Bridge targets
March 30, 2025	MPOs establish CY 2025 PM2 Bridge targets if FDOT has adjusted statewide targets

Discussion

- Do you have questions about the PM2 Bridge data and statewide targets?
- How can we improve coordination with MPOs in this area?

Polling Question

- What did we miss?

Go to www.menti.com

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Or use the QR code





Thank You!

Felix Padilla, P.E.
State Structures Maintenance Engineer

Phone: 850-410-5516

Email: felix.padilla@dot.state.fl.us



Strategic
development

System Performance Measures (PM3)

Fred H. Heery, Sr., P.E.
State TSM&O Program Engineer
Traffic Engineering and Operations Office

PM3 System Performance: What Are We Measuring?

Reliability of travel time: are trips completed in the time expected?

Federal Measures Focus on NHS

TRAVEL TIME
RELIABILITY



STATEWIDE
(Centerline-miles)

37,626 *on NHS*

45,221 *on SHS*

Polling Question

- What do you need to know?

Go to www.menti.com

Enter the code: 83605909

Or use the QR code



PM3 System Performance Measures

Performance Measure

Interstate reliability - % of person-miles traveled on the Interstate Highway System that are reliable

Non-Interstate NHS reliability - % of person-miles traveled on the non-Interstate NHS that are reliable

Truck travel time reliability index (Interstate system only)

Why Do These Measures Matter?

- Delay and lack of reliability impacts safety, economy/supply chain, and quality of life
- Customers expect reliable travel times/on-time arrival for both personal travel and goods transport

What Are We Collecting?

- Travel times for 15-minute intervals during selected time periods for both personal vehicles and trucks
- Calculated through the Regional Integrated Transportation Information System (RITIS) using FHWA data

PM3: System Performance Targets

SYSTEM PERFORMANCE MEASURES	ACTUAL DATA						2 ND PERFORMANCE PERIOD	
	2017	2018	2019	2020	2021 BASELINE	2022	2023 TARGET	2025 TARGET
<i>PERSON-MILES ON THE INTERSTATE HIGHWAY SYSTEM THAT ARE RELIABLE</i>	82.2%	83.5%	83.4%	92.3%	87.5%	85.7%	> 75.0%	> 70.0%
<i>PERSON-MILES ON THE NON-INTERSTATE NATIONAL HIGHWAY SYSTEM THAT ARE RELIABLE</i>	84.0%	86.3%	87.0%	93.5%	92.9%	92.1%	> 50.0%	> 50.0%
<i>TRUCK TRAVEL TIME RELIABILITY INDEX ON THE INTERSTATE HIGHWAY SYSTEM</i>	1.43	1.42	1.45	1.34	1.38	1.46	< 1.75	< 2.00

PM3 Measures: Key Upcoming Dates

Date (on or before)	Milestone
May 31, 2024	FDOT downloads PM3 data from RITIS
August 31, 2024	FDOT consults with and provides MPO data from RITIS
October 1, 2024	FDOT submits mid-period performance report and has option of updating CY 2025 PM3 targets
March 30, 2025	MPOs establish CY 2025 PM3 targets if FDOT has adjusted statewide targets

Discussion

- Do you have questions about the PM3 System Performance data and statewide targets?
- How can we improve coordination with MPOs in this area?

Polling Question

- What did we miss?

Go to www.menti.com

Enter the code: 83605909

Or use the QR code





Thank You!

Fred H. Heery, Sr., P.E.
State TSM&O Program Engineer

Phone: 850-410-5606

Email: fred.heery@dot.state.fl.us



Strategic
development

FDOT Source Book

Live Walk Through

Becky Marsey

Discussion and Next Steps

Jennifer Fortunas, P.E., Director, Office of Policy Planning

Dana Reiding, Manager, Forecasting & Trends Office

Proposed Process for Statewide Target Setting for PM2 and PM3

- **August 2024** – FDOT to discuss potential target changes with MPOs
- **By October 1, 2024** – FDOT decision on adjusting statewide 2025 targets
- **By February 27, 2025** – MPO decision on adjusting targets if FDOT has changed statewide targets



Thank You!



Strategic
development