



Hernando/Citrus

Metropolitan Planning Organization

City of Brooksville, Council Chambers
201 Howell Avenue, Brooksville, FL 34601

Workshop

Agenda

Thursday, September 1, 2022 - 2:00P.M.

PUBLIC PARTICIPATION IS SOLICITED WITHOUT REGARD TO RACE, COLOR, NATIONAL ORIGIN, AGE, SEX, RELIGION, DISABILITY, OR FAMILY STATUS. IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA), PERSONS WITH DISABILITIES NEEDING A SPECIAL ACCOMMODATION TO PARTICIPATE IN THIS PROCEEDING SHOULD CONTACT THE ADA COORDINATOR AT 352-540-3810 NO LATER THAN 48 HOURS IN ADVANCE OF THE MEETING. PERSONS WHO ARE HEARING IMPAIRED, CONTACT FLORIDA RELAY AT 1-800-676-3777.

IF A PERSON DECIDES TO APPEAL ANY QUASI-JUDICIAL DECISION MADE BY THE HERNANDO/CITRUS METROPOLITAN PLANNING ORGANIZATION WITH RESPECT TO ANY MATTER CONSIDERED AT SUCH HEARING OR MEETING, HE OR SHE WILL NEED A RECORD OF THE PROCEEDING, AND THAT, FOR SUCH PURPOSE, HE OR SHE MAY NEED TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDING IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED.

PLEASE NOTE THAT ONLY PUBLIC HEARING ITEMS WILL BE HEARD AT THEIR SCHEDULED TIMES. ALL OTHER ITEM TIMES NOTED ON THE AGENDA ARE ESTIMATED AND MAY BE HEARD EARLIER OR LATER THAN SCHEDULED.

- A. CALL TO ORDER**
- B. APPROVAL OF WORKSHOP AGENDA (Limited to Board and Staff)**
- C. CORRESPONDENCE TO NOTE/INFORMATIONAL ITEMS**
 - 1. Annual Project Prioritization
 - 2. Safety Priorities and Initiatives
 - 3. Sources of Funding for Capital Projects
 - 4. Expediting Construction Projects - State & Federal Funds
- D. ACTION ITEMS**
 - 1. Project Development and Environmental Update
- E. ADJOURNMENT**



AGENDA ITEM

TITLE

Annual Project Prioritization

BRIEF OVERVIEW

Overview current List of Priority Projects and presentation by Pasco County MPO Executive Director, Carl Mikyska, on Project Prioritization.

FINANCIAL IMPACT

N/A

LEGAL NOTE

N/A

RECOMMENDATION

For information purposes only, no action is required by the Board.

REVIEW PROCESS

Carlene Riecsc	Approved	08/22/2022	9:22 AM
Robert Esposito	Approved	08/22/2022	1:12 PM
Jon Jouben	Approved	08/23/2022	10:10 AM
Julia Scourtas	Approved	08/24/2022	10:51 AM



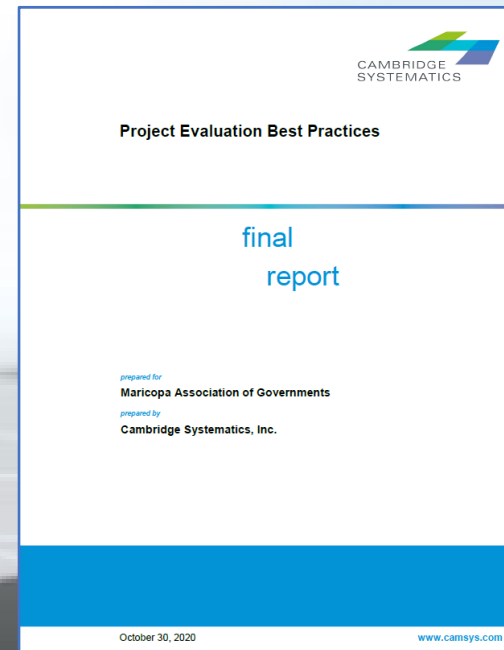
**Summary and Findings of
Transportation Project
Prioritization Methodology
National Best Practices**

- **Within their review, the most referenced federal requirement was MAP-21 legislation, being cited multiple times as creating a need for a systemized method of project prioritization.**
- **Almost every prioritization method reviewed utilizes a mix of qualitative and quantitative practices.**
- **Common practices involve evaluating a project and assigning a score across different sets of performance measures which typically fall into different goal categories (e.g., mobility, safety, sustainability, etc.). Then the group of projects that best address the goals of a certain project type is selected as the final set of projects.**

- **It is uncommon that projects are budgeted and prioritized based on where they rank per the initial phase of prioritization process alone. Usually the scoring process serves to reduce the number of candidate projects, and then a designated set of stakeholders qualitatively evaluates each project to select their individual rankings.**
- **Data accessibility and usability and technical expertise were cited as two common challenges and constraints in performing project prioritization.**
- **There is no “one size fits all” strategy encompassing practices, procedures and efforts for the transportation project prioritization process.**

Cambridge Systematics Report for Phoenix, AZ MPO

- **Cambridge Systematics conducted a national best practices review to document how peer MPOs are evaluating and implementing project selection to choose projects that generate the greatest benefits within transportation priority areas.**



General Findings

- **The review revealed significant variability and commonality in how peer agencies design their project prioritization processes.**
- **No single approach is “best”; as agency goals and operating conditions vary, agencies pursue prioritization processes that are flexible and appropriate to those goals and conditions.**
- **Criteria may be exclusively quantitative and based entirely on calculated metrics, or may be qualitative, or a combination of both.**
- **The MPOs examined all follow a similar structure that is in part a response to mandates from Federal agencies and requirements for Federal funding.**

General Findings

- **In terms of the criteria that are used during project prioritization, there is uniform use of both a qualitative and quantitative component. Every agency's evaluation has a component that is based on data and calculations, at times involving complex modeling using travel demand models, and a component based on a subjective interpretation of how the project might perform or advance certain goals.**
- **Criteria that are outcome-based and quantitative tend to come with a high level of effort. These criteria can require an extensive amount of data as inputs, modeling used to predict future conditions, and iterative repetitions of those evaluations with incremental improvements to ensure a valid methodology. Because of this effort, it is often economical to substitute in either a needs-based measure or a qualitative evaluation.**

General Findings

- **Some considerations that MPOs use in their project evaluation and prioritization process:**
 - **Equity, which considers a project's fairness in terms of the distribution of costs and benefits,**
 - **Project readiness, where projects are evaluated to determine how well-positioned they are to meet specific milestones and avoid potential delays in implementation, and**
 - **Benefit-cost analysis methodology as part of their process to monetize a project's potential benefits.**

Common Project Prioritization Process Practices

- **Issuance of a “call for projects” from constituents.**
- **Incorporation project prioritization process into TIP development.**
- **Establishment of federal performance measures as the foundation of project goals and objectives.**
- **Utilization of both quantitative and qualitative evaluation methodologies.**
- **Development of a project scoring methodology and score weighting scheme.**
- **Mode-specific project evaluation**

Common Project Prioritization Criteria

- **Safety/security**
- **Project-readiness**
- **Equity**
- **Travel time/congestion reduction/reliability**
- **Economic Development**
- **Livability**
- **Infrastructure condition/resiliency**
- **Intermodal connectivity**



Project Prioritization Process Development
Potential Constraints and Issues for Consideration

- **Federal policies and regulations**
- **State policies and regulations**
- **Data availability**
- **Data collection cost**
- **MPO staff technical expertise**
- **MPO staff resource availability and cost**

Potential Project Evaluation Data Sources

- 1) Crash data**
- 2) Traffic volume data (AADT)**
- 3) Travel time data (congestion)**
- 4) Travel demand model data (V/C)**
- 5) Existing and future land use data (zoning layers)**
- 6) Existing and forecasted population density data**
- 7) Transit system data**
- 8) Pavement condition data**
- 9) Environmental and historic/cultural data**

Potential Project Prioritization Process Development Goals

- 1) Create a data-driven, transparent and easily understandable project evaluation process.**
- 2) Prioritize the allocation of limited resources for maximum benefit.**
- 3) Establish a framework to more effectively select programs and projects that align with stated goals and reach performance targets.**
- 4) Align project prioritization and development with federal transportation law (FAST Act) and performance measures.**
- 5) Align project prioritization and development with FDOT polices, plans and instructions, thereby optimizing access to all available transportation funding.**

Potential Project Prioritization Process Development Benefits

- 1) Optimized spending efficiency with limited budgets,**
- 2) The ability to link spending choices with stated goals and objectives,**
- 3) The provision of better information to decision-makers,**
- 4) Increased transparency of the decision-making process for stakeholders and the public,**
- 5) The alignment of MPO practices with federal and state laws, rules and procedures,**
- 6) Improved access to available state and federal transportation project funding, and**
- 7) A clear understanding by local jurisdictions of the process and methodology by which transportation improvement projects are submitted and evaluated.**



AGENDA ITEM

TITLE

Safety Priorities and Initiatives

BRIEF OVERVIEW

Florida Department of Transportation (FDOT) staff will give a presentation on traffic safety challenges and opportunities.

FINANCIAL IMPACT

N/A

LEGAL NOTE

N/A

RECOMMENDATION

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REVIEW PROCESS

Carlene Riecsc	Approved	08/22/2022	9:21 AM
Robert Esposito	Approved	08/22/2022	1:10 PM
Jon Jouben	Approved	08/23/2022	10:11 AM
Julia Scourtas	Approved	08/24/2022	10:37 AM

Hernando/Citrus County Traffic Safety Challenges & Opportunities

September 1, 2022

Hernando/Citrus MPO Board Meeting

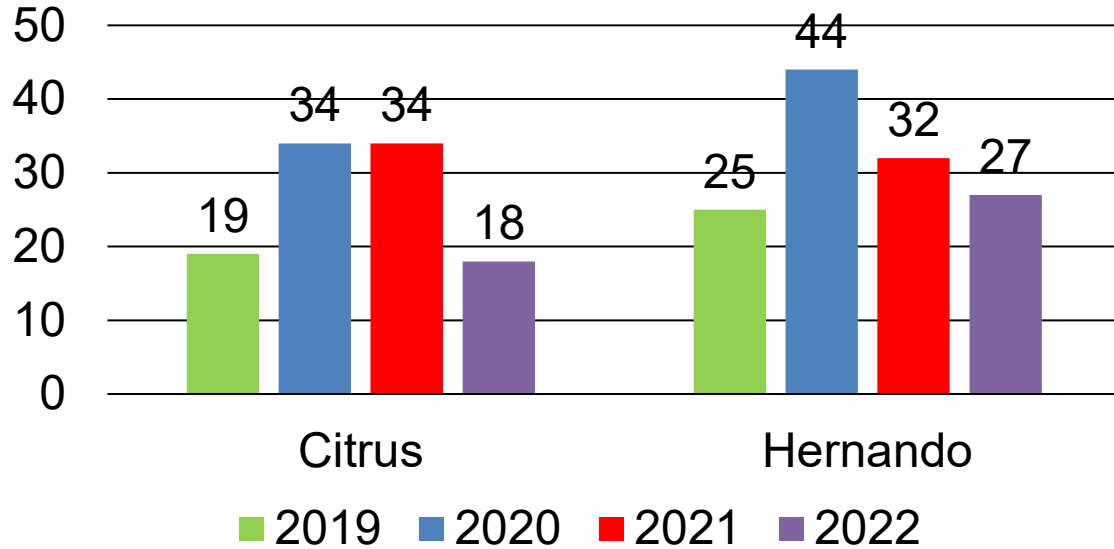
Peter Hsu, P.E.

District Seven Safety Administrator

What are the safety challenges?

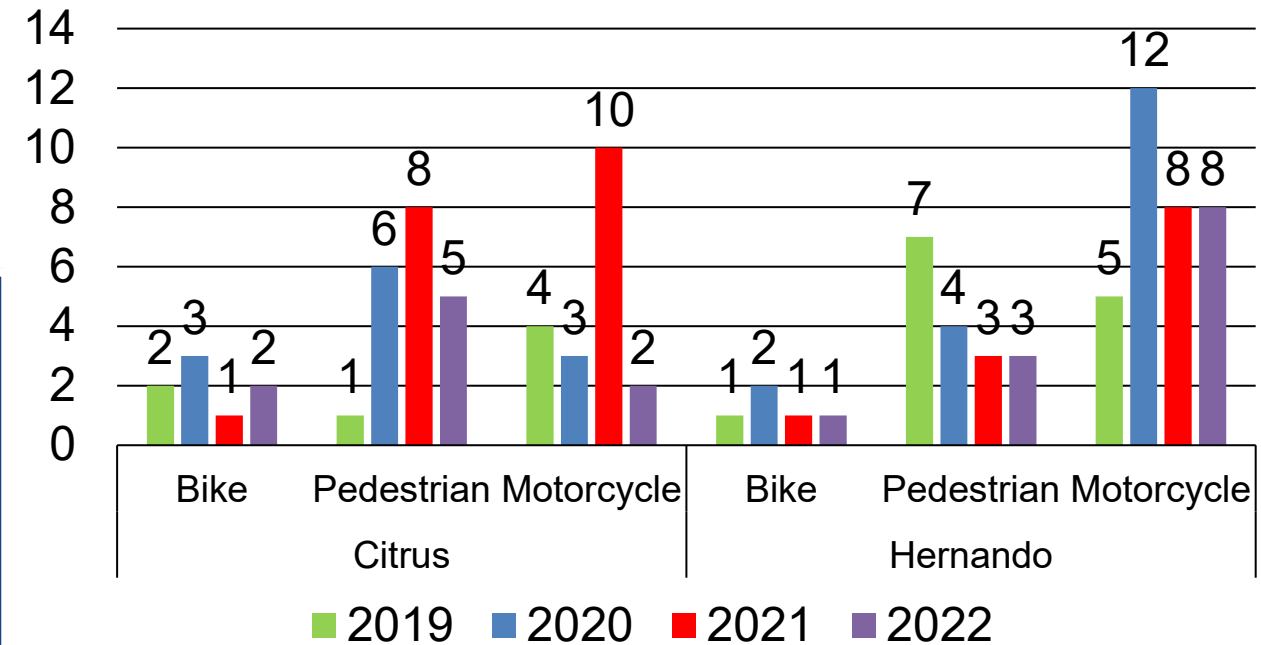


Total Fatalities



Citrus & Hernando represent about **10% of vulnerable user fatalities** and about **13% of all fatalities** in D7.

Vulnerable User Fatalities



D7 Fatalities by County
 January 1st to August 8th, 2022 vs January 1st to August 8th, 2021

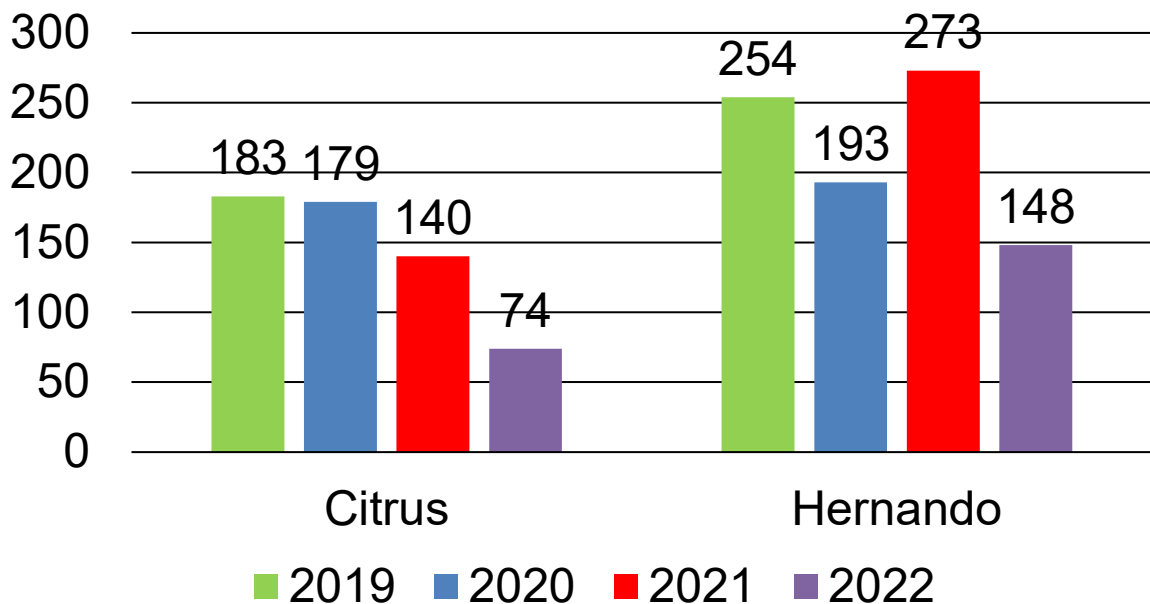
- Citrus County: 21.73% decrease
- **Hernando County: 31.58% increase**
- Hillsborough County: 29.93% decrease
- Pasco County: 23.18% decrease
- Pinellas County: 39.80% decrease

Source: Signal 4 Analytics, FLHSMV, 2020-2022 are unofficial data and the numbers are subject to change

What are the safety challenges?



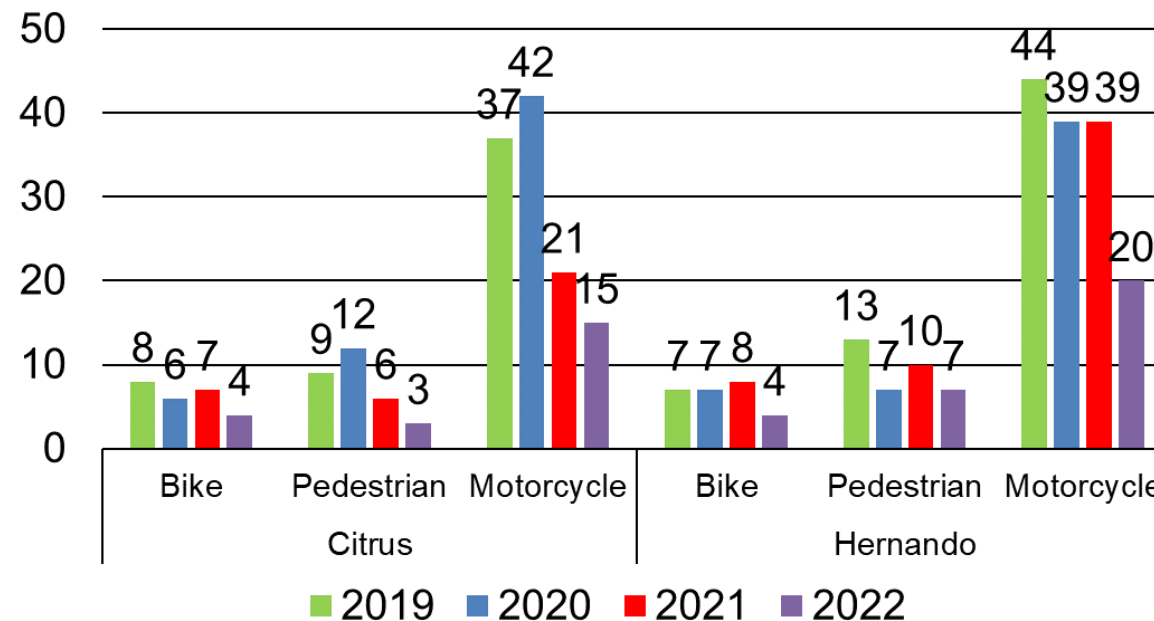
Total Incapacitating Injuries



Citrus & Hernando represent about **13% of vulnerable user incapacitating injuries in D7.**

Citrus & Hernando represent about **15% of all incapacitating injuries in D7.**

Vulnerable User Incapacitating Injuries



Source: Signal 4 Analytics, FLHSMV, 2020-2022 are unofficial data and the numbers are subject to change

National definition for Severe Injury Crashes

The US DOT defines a serious injury using the MMUCC 4th Edition “Suspected Serious Injury (A)” attribute found in the “injury status” data element. A suspected serious injury is defined in the MMUCC 4th Edition as any injury other than fatal that results in one or more of the following:

- Severe laceration resulting in exposure of underlying tissues/muscle/organs or resulting in significant loss of blood
- Broken or distorted extremity (arm or leg)
- Crush injuries
- Suspected skull, chest, or abdominal injury other than bruises or minor lacerations
- Significant burns (second and third degree burns over 10% or more of the body)
- Unconsciousness when taken from the crash scene
- Paralysis



What are the safety challenges?



FY 2023 Highway Safety Matrix - Ranking of Florida Counties Based on Total Actual Serious Injuries and Fatalities during 2017-2020									
	Aging Road Users (Drivers 65+)	Distracted Driving	Impaired Driving	Motorcyclists	Occupant Protection	Pedestrian or Bicyclist	Speeding or Aggressive Driving	Teen Drivers	Work Zones
Bay	7	2	5	4	4	1	3	2	8
Charlotte	6	7	6	5	12	5	7	12	6
Citrus	2	1	4	1	2	3	1	3	1
Columbia	8	9	2	15	1	13	4	4	15
Flagler	12	12	11	6	14	14	12	15	13
Hernando	1	3	3	2	5	4	2	1	3
Highlands	3	6	9	8	6	8	6	5	14
Indian River	4	10	10	11	7	7	8	6	5
Martin	9	15	8	7	9	6	5	10	7
Monroe	11	4	14	3	15	2	13	14	12
Nassau	13	14	7	14	11	15	14	7	4
Putnam	14	13	1	10	3	10	11	11	10
Santa Rosa	10	5	12	9	10	11	9	9	9
Sumter	5	8	13	12	8	9	15	8	2
Walton	15	11	15	13	13	12	10	13	11
Population of 50,001 to 200,000									
= Highest 25% in a category									

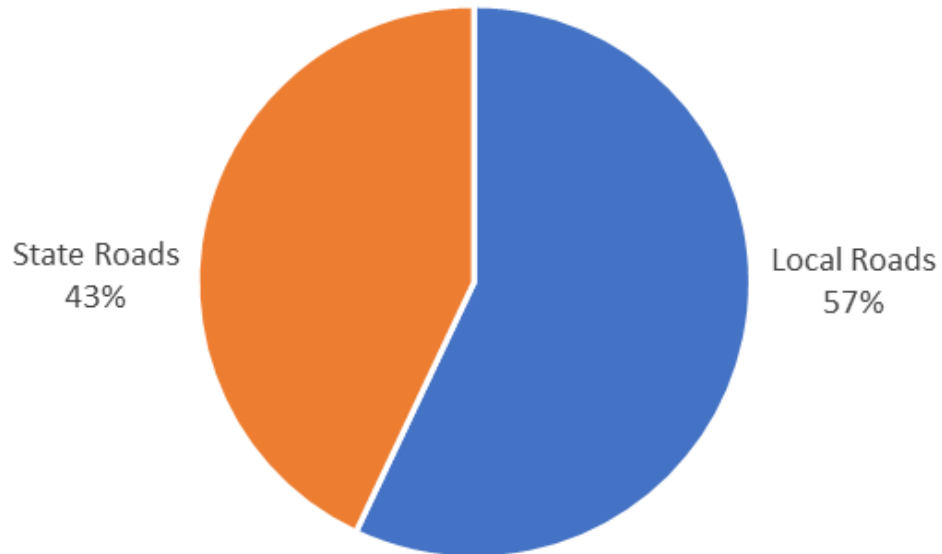
- Hernando is highest 25% for fatalities and serious injuries for all emphasis areas except occupant protection.
- Citrus is highest 25% for fatalities and serious injuries for all emphasis areas.

What are the safety challenges?

Local Road Fatal Crashes in Hernando & Citrus Counties

Fatal crashes are also as frequent on local roads. (2019-2022)

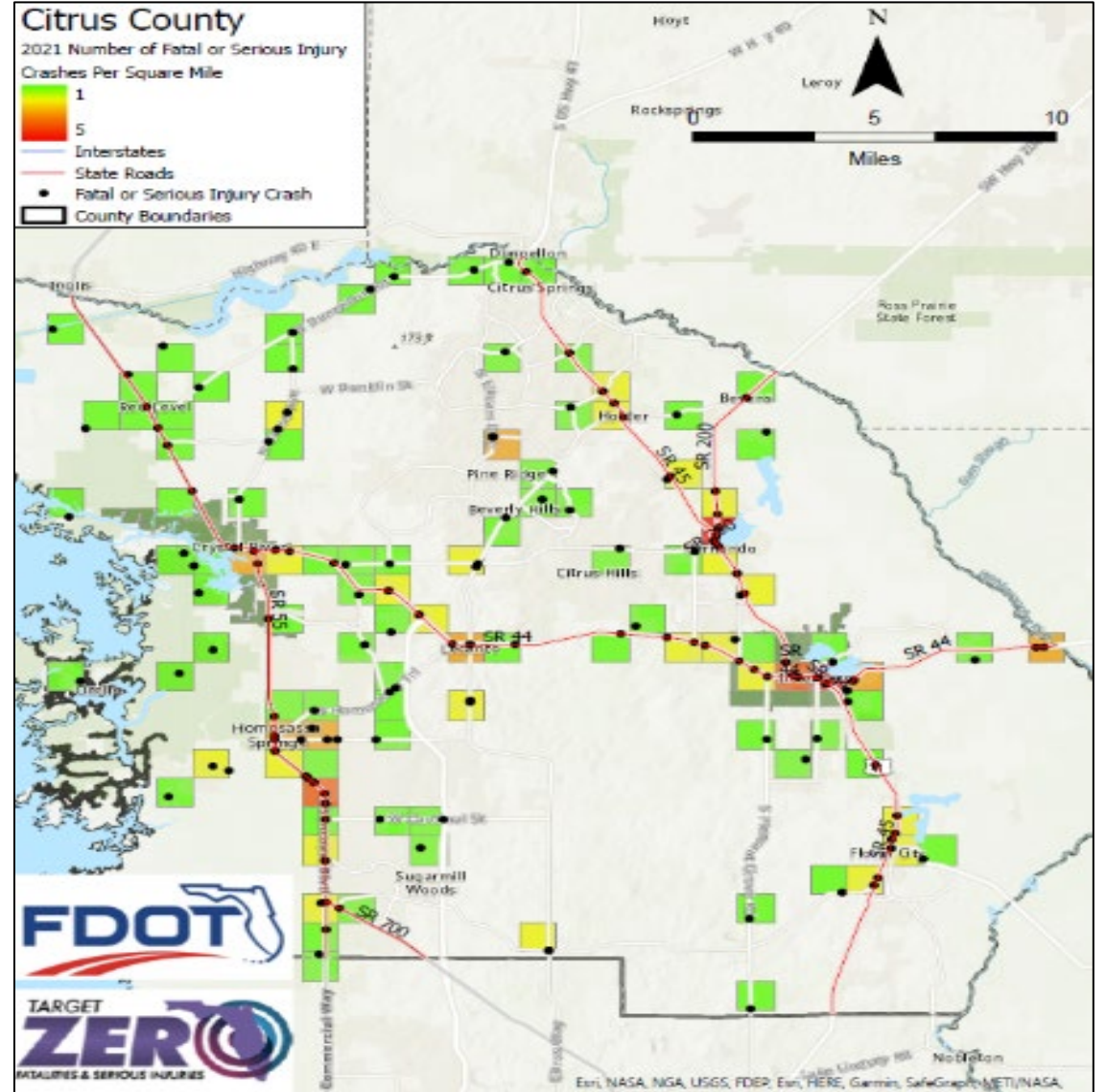
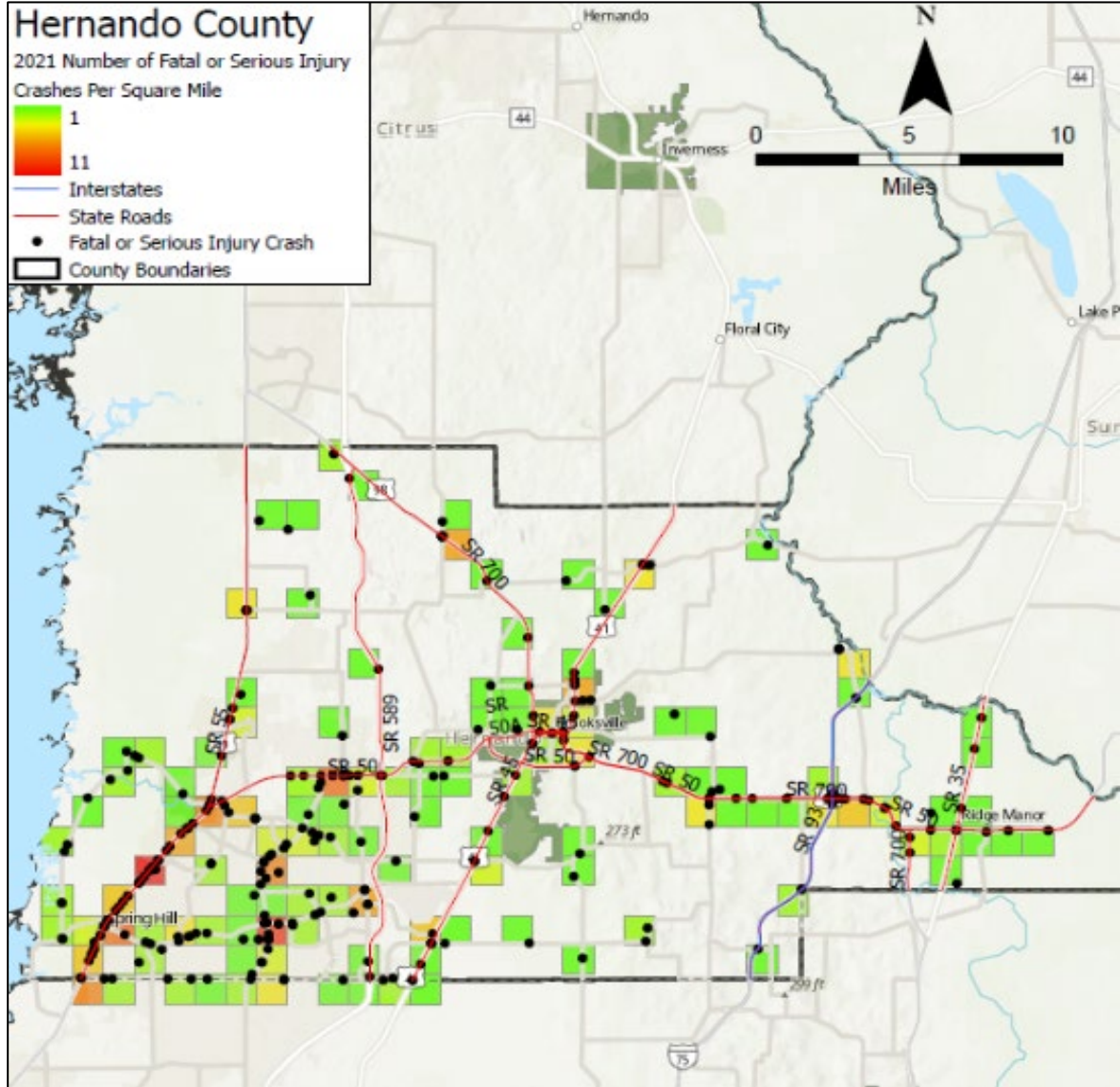
Hernando County Fatal Crashes



Citrus County Fatal Crashes



Severe Injury and Fatal Crash Hot Spots

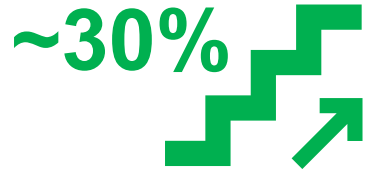


Safety Actions at the Federal Level



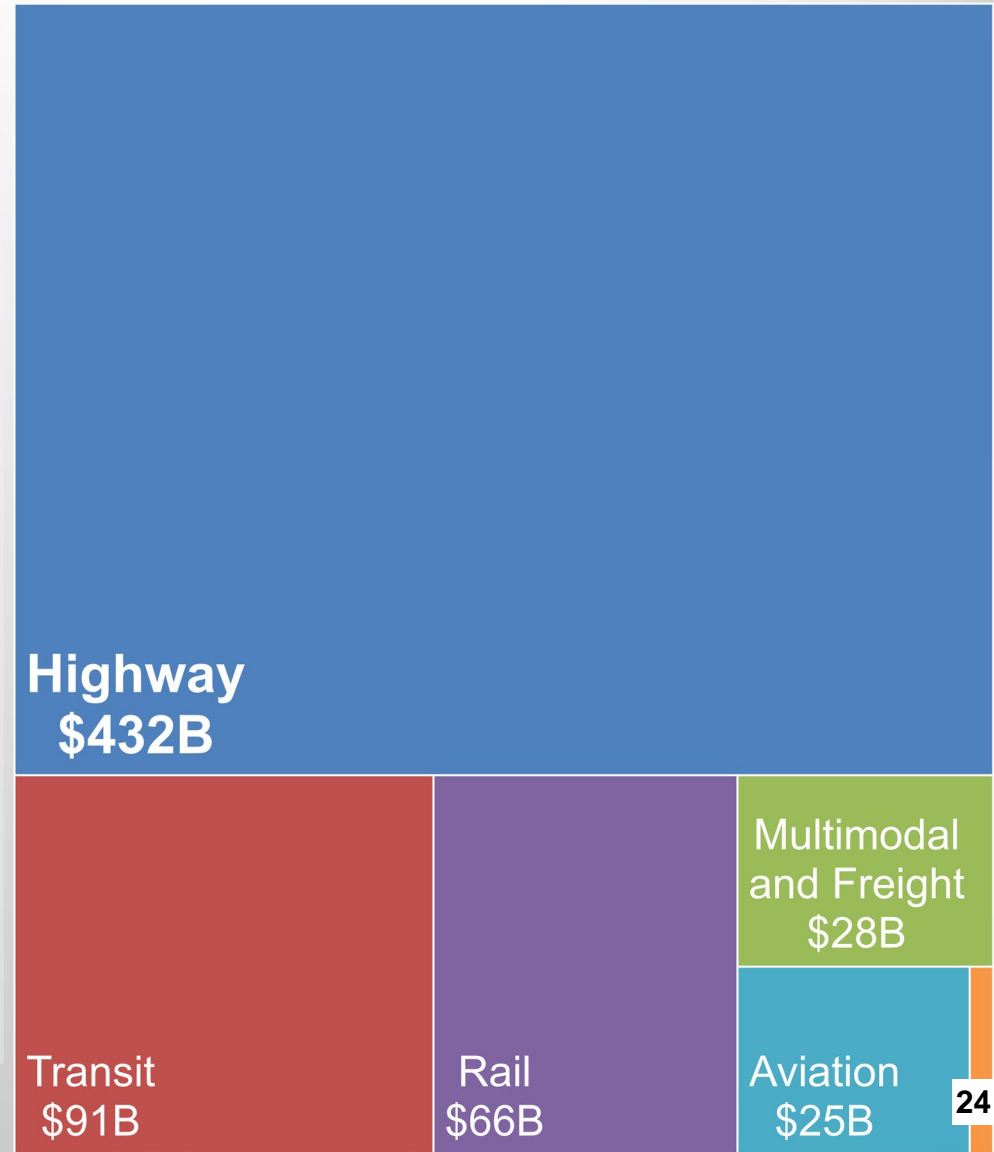
Infrastructure Investment and Jobs Act (IIJA)

\$789M/5-Year for FL Roadway Safety – Highway Safety Improvement Program



\$1B/Year for NEW “Safe Streets for All – SS4S” Program – application due 9/15/22
- Funds local “Vision Zero” plans & program to reduce crashes and fatalities, especially ped/bike safety

- Highway
- Transit
- Multimodal and Freight
- Rail
- Aviation
- Seaport



Safety Actions at the Federal Level

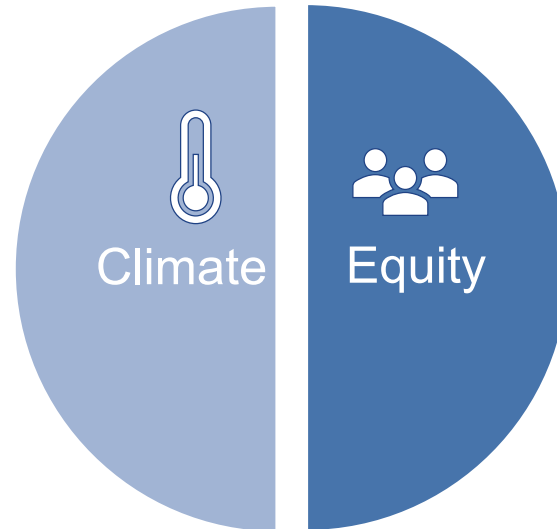


USDOT National Roadway Safety Strategy

Goal and vision – Cultural Shift towards Zero Fatalities on all Roadways.

Adopts a **Safe System** Approach with 5 key objectives

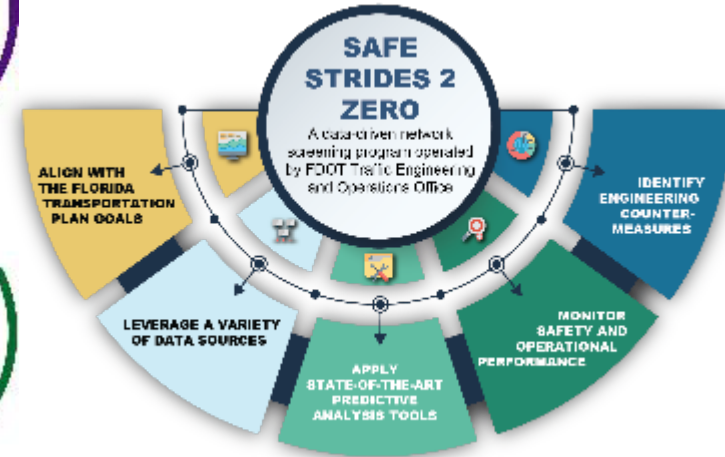
Other priorities



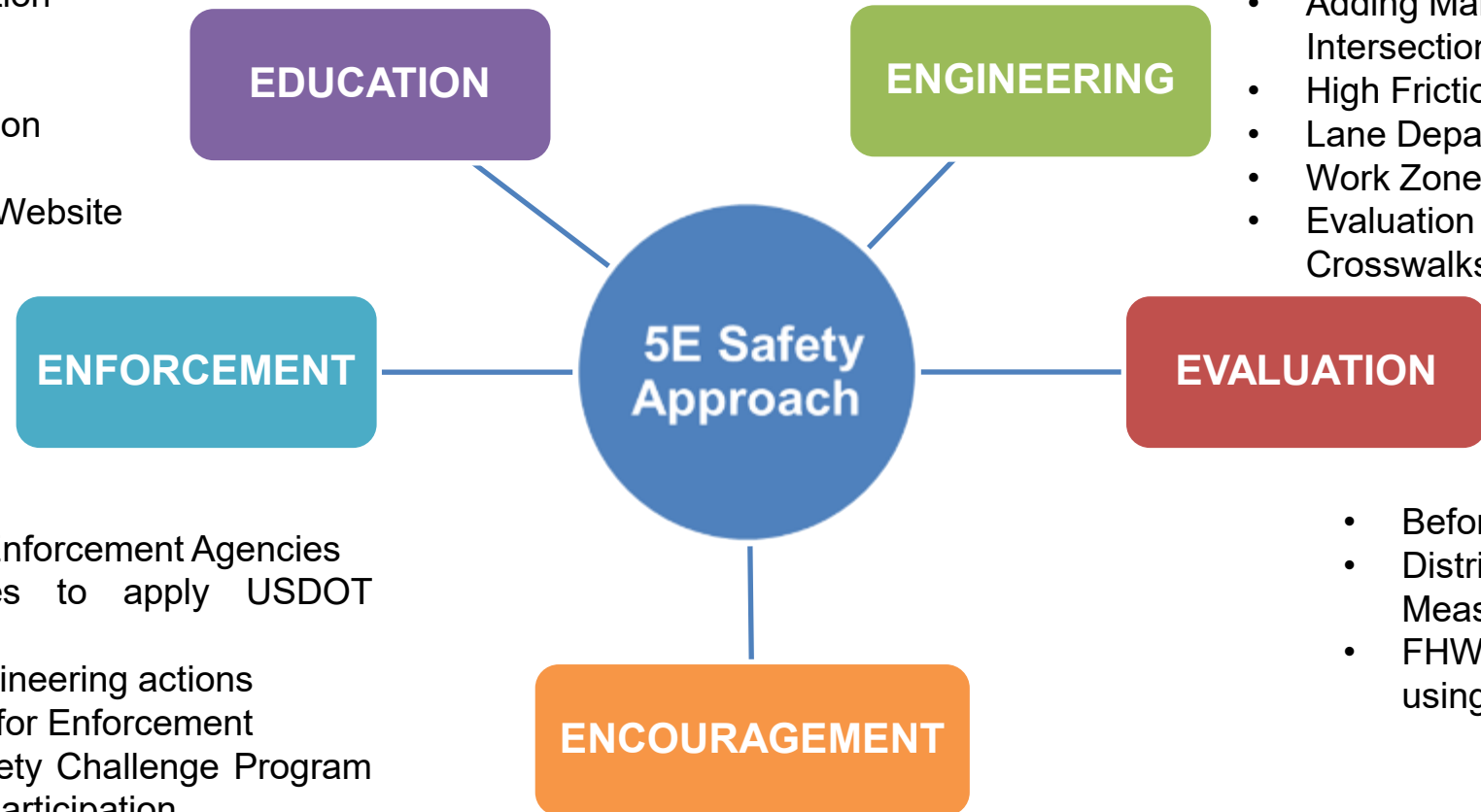
Safety Actions at the State Level



- Strategic Highway Safety Plan
- Target Zero Behavior Campaign
- Florida Design Manual Revisions Include
 - Arterials/Collectors Wrong-way Driving Countermeasures
 - Safe System Approach into RRR projects
 - Setting Target Speed on all projects
 - Review of Safety Needs of each project location
- Safe Strides 2 Zero – Predictive
- Vital Few – Safety



Safety Actions at the Regional Level



- Quarterly D7 Newsletter
- Geofencing Program
- Teen Traffic Safety Education Program
- Safety PSAs
- Work Zone Safety Education Program
- Tampa Bay Traffic Safety Website

- Leading Pedestrian Intervals (LPIs)
- LED Intersection & Corridor Street Lighting Program
- Adding Marked Crosswalks at Signalized Intersections
- High Friction Surface Treatment
- Lane Departure Safety Program
- Work Zone Safety Program
- Evaluation of Existing Midblock Crosswalks with RRFBs

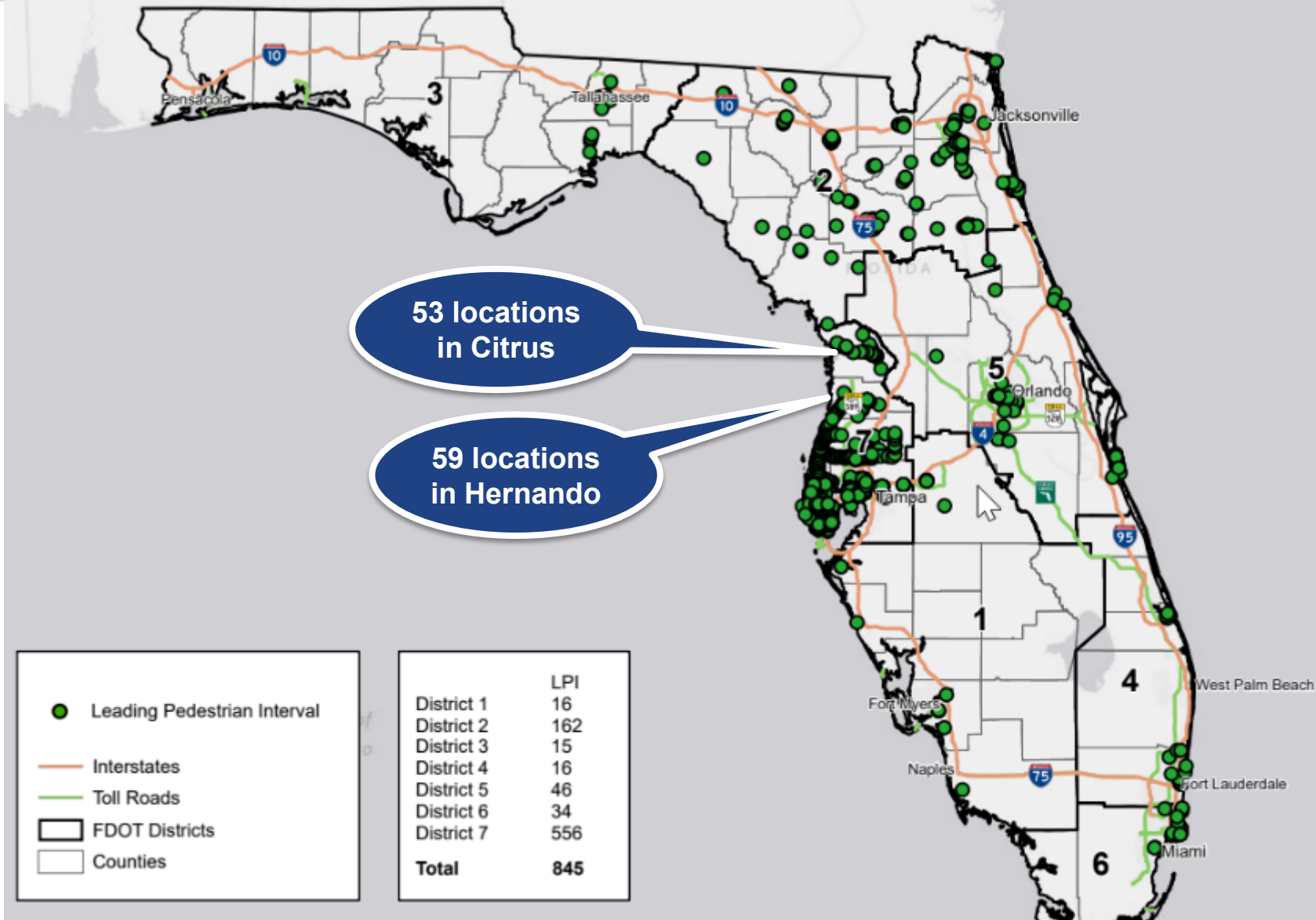
- DUI Teamwork with Law Enforcement Agencies
- Encourage LE Agencies to apply USDOT Behavior Grants
- Educate LE Agencies Engineering actions
- Partner with LE Agencies for Enforcement
- D7 Law Enforcement Safety Challenge Program – Hernando & Citrus SO participation

- Before/After Studies
- Districtwide Lighting Level Measurement
- FHWA Safety Countermeasures using D7 data

- FDOT Candy Man   

Leading Pedestrian Interval (LPI)

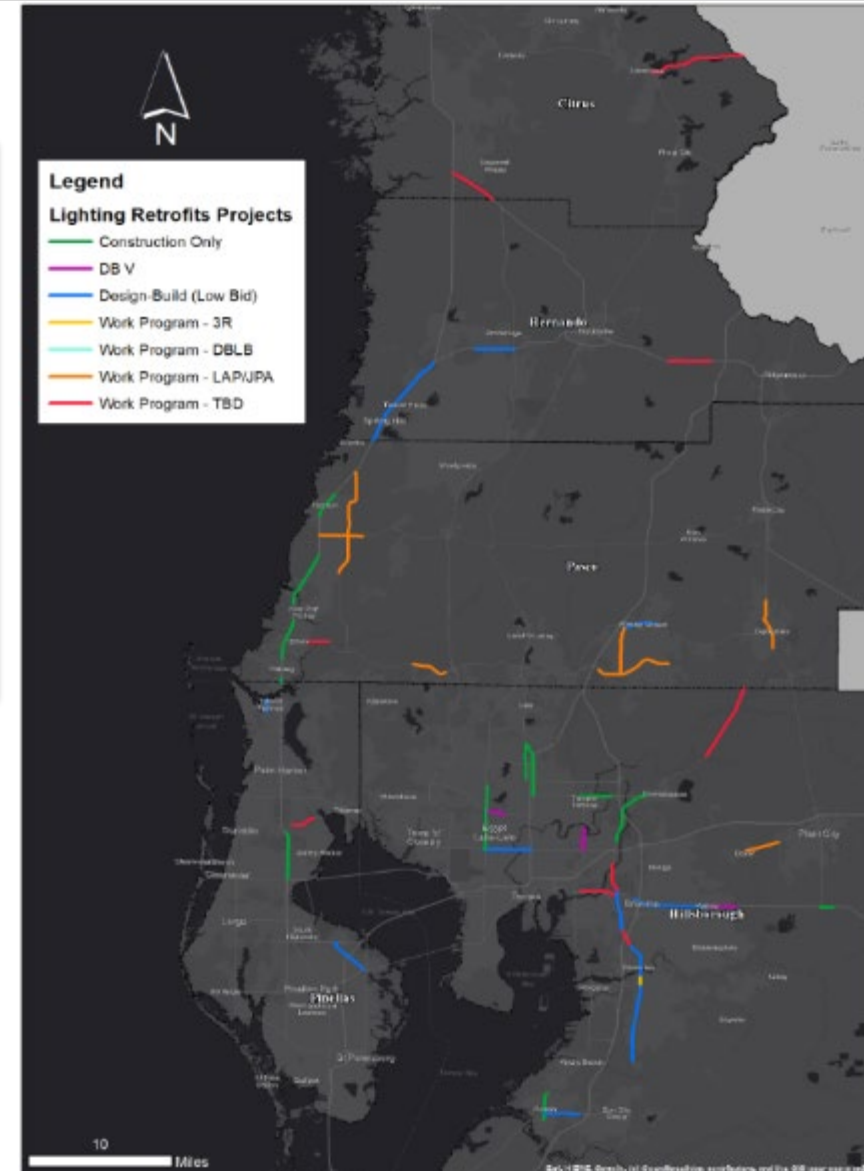
- 700+ signalized intersections in D7 on State & Local roads
- More locations have been identified and are currently in the works.
- Some challenges:
 - Old or incompatible signal equipment -- \$80K allocated to Hernando/Citrus Counties
 - Shortage of expertise and manpower in smaller Counties
- Before & After Evaluation – Data collection phase ongoing



D7 has 2/3 of LPis implemented in FL

Districtwide Lighting Retrofit

- District 7 continues LED lighting retrofit projects for all FDOT owned poles for on-system corridors.
- Retrofit projects are programmed through various methods.
 - 5-Year Work Program
 - Design Build Low Bid
 - Design Build Push Button – National award 😊
 - **Local Agency LAP or JPA**
 - **Utility Agency Owner Permits**
- Ongoing **Districtwide Lighting Level Measurement** on all state roadways to aid in enhancing safety in a **pro-active approach**.



Marked Crosswalks at Signalized Intersections

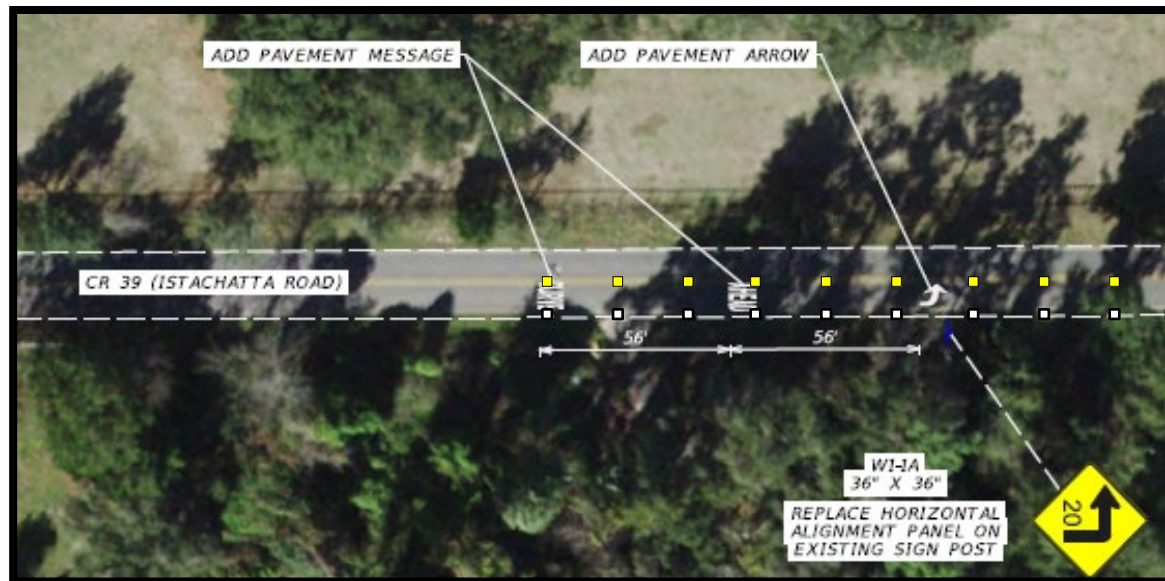
- **Missing Crosswalks** Assessment reviewed 319 locations (31 in Citrus & Hernando) at signalized intersections within District 7
- Evaluate feasibility and prioritize based on crash data and signal phasing

Proactive Approach



Lane Departure Safety Program

- Installing speed feedback signs along curves & priority corridors
- Implementing curve signing and pavement marking enhancements for curves on **five (5) roadways** in Citrus County Utilizing **FDOT D7 Design Build Pushbutton contract** to install/enhance signage and pavement markings in lane departure hot spots and segments – **on local roads**



Work Zone Safety Program

Work Zone Road Safety Audits

- Two WZ RSAs in Citrus County this year – both U.S. 19 projects
- Two WZ RSAs in Hernando County this year – both S.R. 50 projects
- Targets major interstate construction projects.
- Assess **safety and mobility of all road users, pedestrians, and bicyclists** in work zones area an
- Audit team includes: FDOT staff, Safety Engineers, CEI, Contractor, Law Enforcement partners

**Set D7 Interstate Work Zone
Speeds = MAX 60MPH**

Monthly Work Zone Safety Virtual Meetings

- Purpose is to start an education process to better identify and evaluate MOT areas, **what is right, wrong, and how it can be improved.**



PSAs and Geofenced Messages

Wrong Way Driving PSA:

Together We Can All Get There Safely

https://youtu.be/ZzvdfHxDh_Q



FDOT Move Over PSA:

Move Over, Florida!

<https://youtu.be/TicuUDTv7B4>



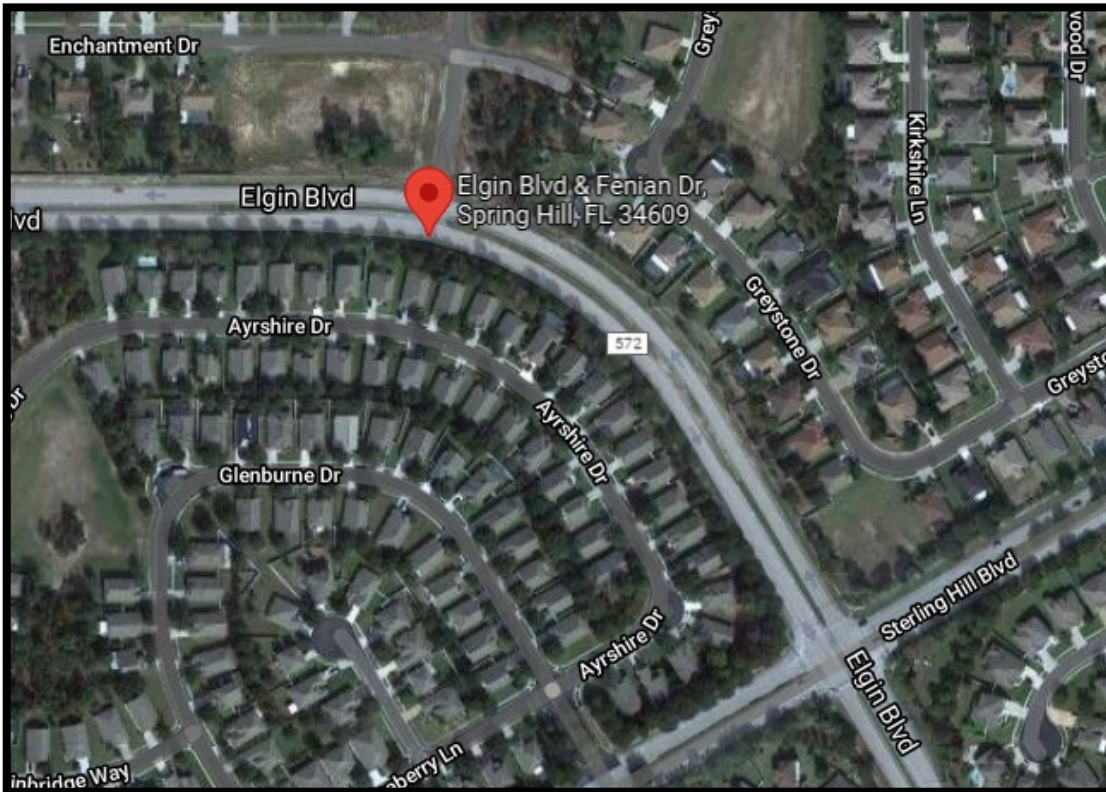
Geofenced Messages:

Messages are delivered directly to mobile devices when travelers are in the geofenced area. Motorists are encouraged to take a survey and may receive a reward in return.



Planned Local Road Safety Actions in Hernando & Citrus

- Safety treatments - FDOT material purchases - County installation
- Low-cost safety engineering treatments
- Teamwork for Safety Actions
- Fatal Crash on Turner Camp Road at Sherri Lane and Elgin Boulevard at Fenian Drive –
 - Off Road: **failed to negotiate a curve in the roadway**

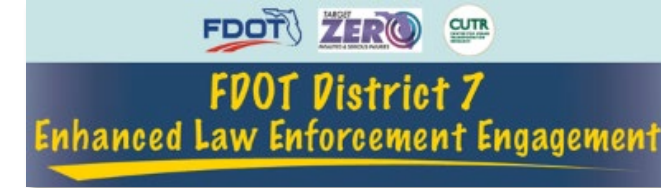


Collaboration and Enhanced Engagement with Law Enforcement Partners



Enhanced Law Enforcement Engagement

Provides agencies with an opportunity to promote traffic safety in the communities that they serve.



- **Targets Specific Violations** on state roadways and document the outcomes of their efforts for evaluation purposes.
- **Recognizes** agencies that are **Leaders In Traffic Safety** with speed lasers, incident mapping systems, speed radars, speed feedback trailers and light towers.
- **Encourages** increased districtwide **enforcement** to reduce crashes, serious injuries, and fatalities.
- **Citrus County Sheriff's Office** has earned **1250 points** so far this year with 519 warnings and 836 citations*
- **Hernando County Sheriff's Office** has earned **350 points** so far this year with 361 warnings and 363 citations*
- **Florida Highway Patrol – Hernando** has earned **1130 points** so far this year with 428 warnings and 774 citations*

DEPARTMENT	SPEEDING		DUI		WRONG WAY		INTERSECTION		AGGRESSIVE		SEATBELT		WORK ZONE		OTHER		CRIMINAL	
	Warnings	Citations	Warnings	Citations	Warnings	Citations	Warnings	Citations	Warnings	Citations	Warnings	Citations	Warnings	Citations	Warnings	Citations	Warnings	Citations
Hernando Sheriff's Office	316	317	0	1	0	0	0	1	0	12	0	0	45	23	0	3	0	6
FHP Hernando	257	652	0	2	0	0	4	2	1	2	39	34	1	0	95	77	31	5
Citrus County Sheriff's Office	327	688	0	0	0	1	8	2	16	8	48	33	6	21	114	79	0	4
Total	4054	7401	4	123	17	6	399	211	144	296	445	983	57	93	2445	1919	78	662

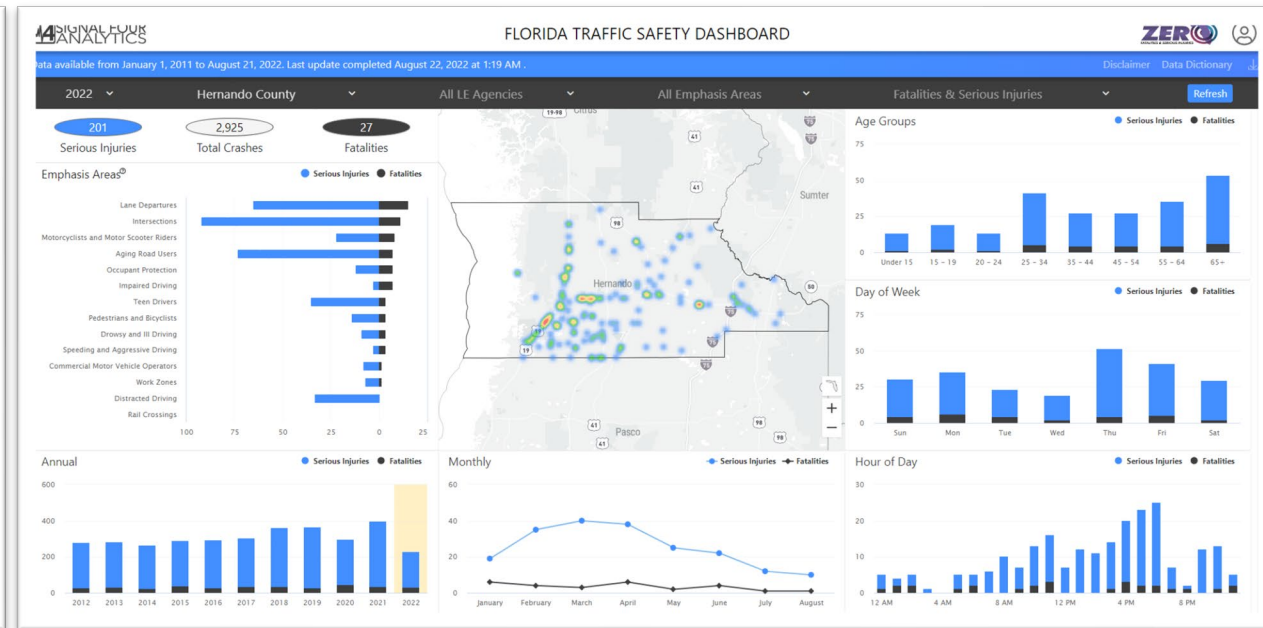
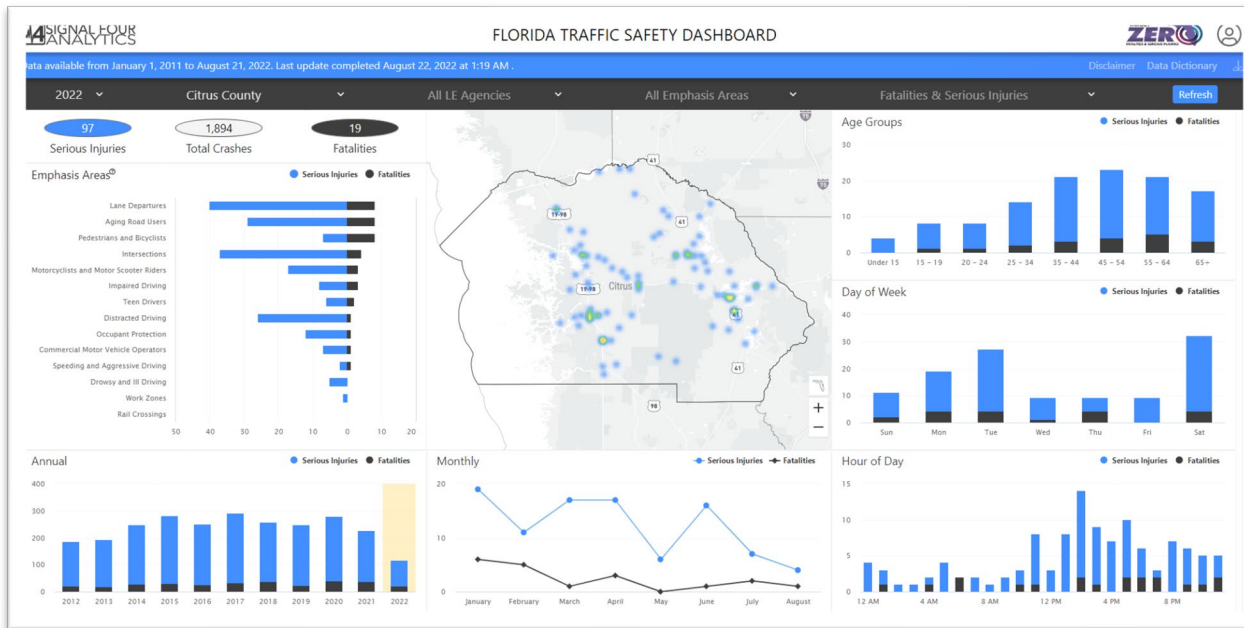
7643 TOTAL WARNINGS AND 11,694 TOTAL CITATIONS*

*Based on preliminary data

Federal Safety Funding Application



- Project must target **fatal and serious injury crash reduction** occurring at that location
- Signal Four Analytics and CDMS for crash data and hot spots for countermeasures
- NO right-of-way and/or utility impacts
- Materials requests – Rectangular Rapid Flashing Beacons (RRFB), Speed Feedback Signs (SFS), Solar-Powered Flashing LED Stop Signs, Warning Signs, Bright Sticks, Rumble Strips, RPMs, Delineators



Let us Team Up to address Local Road Safety



Peter Hsu, P.E.

FDOT District Seven Safety Administrator

Ping.Hsu@dot.state.fl.us

(813) 975-6251





AGENDA ITEM

TITLE

Sources of Funding for Capital Projects

BRIEF OVERVIEW

Florida Department of Transportation (FDOT) staff to present information on sources of funding for capital projects.

FINANCIAL IMPACT

N/A

LEGAL NOTE

N/A

RECOMMENDATION

For information purposes only, no action is required by the Board.

REVIEW PROCESS

Carlene Riecsc	Approved	08/22/2022	9:26 AM
Robert Esposito	Approved	08/22/2022	1:07 PM
Jon Jouben	Approved	08/23/2022	10:12 AM
Julia Scourtas	Approved	08/24/2022	11:01 AM



Metropolitan Planning Organization

AGENDA ITEM

Meeting: 09/01/2022
Department: MPO
Prepared By: JScourtas
Initiator: Robert Esposito
DOC ID: 10960
Legal Request Number:
Bid/Contract Number:

TITLE

Expediting Construction Projects - State & Federal Funds

BRIEF OVERVIEW

Panel discussion with Florida Department of Transportation (FDOT) and Pasco Executive Director regarding expediting construction projects and State and Federal funds.

FINANCIAL IMPACT

N/A

LEGAL NOTE

N/A

RECOMMENDATION

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Jon Jouben	Approved	08/23/2022	10:11 AM
Julia Scourtas	Approved	08/24/2022	10:55 AM



AGENDA ITEM

TITLE

Project Development and Environmental Update

BRIEF OVERVIEW

Provide an update on new traffic numbers vs old traffic numbers for the following projects:

- US 41 - Citrus
- County Line Road - Hernando
- State Road 200 - Citrus
- Cobb Road - Hernando

FINANCIAL IMPACT

N/A

LEGAL NOTE

N/A

RECOMMENDATION

It is recommended that the Board direct staff to move forward with getting consultants under contract.

REVIEW PROCESS

Carlene Riecsc	Approved	08/22/2022	9:25 AM
Robert Esposito	Approved	08/22/2022	1:09 PM
Jon Jouben	Approved	08/23/2022	10:11 AM
Julia Scourtas	Approved	08/24/2022	10:59 AM