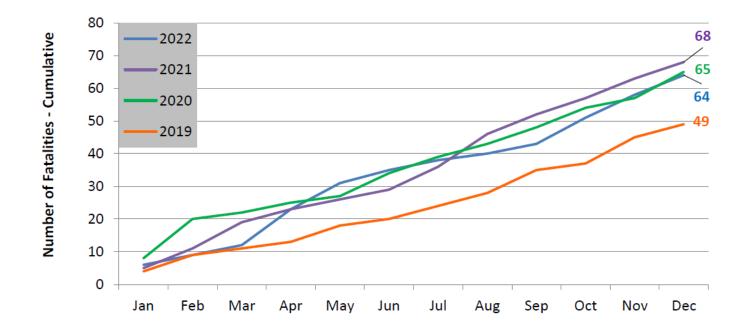


Overview

- Safety Updates Maria Connolly / John Easterling
- Contractual Services Rich Nethercote
- Program /Project Mgmt Stephanie Sharp
- Design Ashraf Elmaghraby
- Construction / CEI Albert Salas
- Q&A
- Networking



Turnpike System Fatalities



2022 Statistic Snapshot

- 64 fatalities from 57 fatal crashes
- 12 pedestrian & 5 motorcycle fatalities
- 18 (38%) of vehicle occupant fatalities
 <u>not</u> wearing seatbelts
- 103,177 Road Ranger assists

Focus Areas

- Reducing duration of incidents
- Reducing excessive speeding
- Minimizing impacts of work zones
- Using technology to detect and make travelers aware of unsafe conditions



Infrastructure & Technology Initiatives



Wrong Way Detection



Connected Vehicle



Smart Work Zones



Queue Warning Systems

Technology Turnarounds Wrong Way								g Wav
Confirmed [0.				ash events			hes*
for month	YTD		for month		YTD		for month	YTD
9	82		9		82		0	8
Dec-22	2022		Dec-22		2022		Dec-22	2022
	Percenta	ige:	100%		100%		Technology	
Technology Ramp I	nstallations:						Implement	ation Status
Under Construction	n:	96	(10 locations condit	tiona	ally accepted/working)		No. of exit ramps	% of System
Under Procuremen	t:	18					45	18.5%
					YTD ramp installati	ons	10	4.1%
	Total:	198			Prior year installati	ons	0	N/A

Status of implementation for FTE system of Advanced Countermeasures (detection/advisory signage)



Central Florida CV Pilot Project

- 50 Roadside Units (C-V2X) in 20 miles
- Vehicle-to-infrastructure (V2I) & Infrastructure-tovehicle (I2V) alerting
 - Curve Speed Warning
 - Exit Queue Warning
 - Wrong Way Detection
- Testing of safety CV applications for more widespread use
- Smartphone application integration for MAP, Basic Safety Message (BSM) and Traveler Incident Management (TIM) alerting
- Completion expected in June 2023











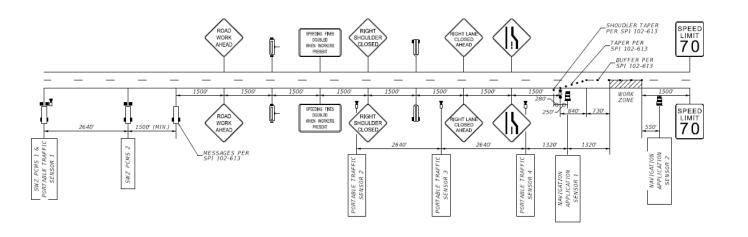
- Lane Closure Notification System (LCNS)
- Used for Construction Projects in Fall 2022
- Expanding to other Projects in mid-2023
- Lexus of Orlando

 Superior Construction

 Nike Factory Store

 Nike Fact

- Multiple Smart Work Zone projects underway
- Included as a package in most FTE Projects with lane closures during construction
- Motorist Advisory System (MAS) Enhancement





- Two projects covering three regions in a prioritized manner
- 12 Exit ramp locations
- Uses estimated queue lengths and speeds for determining appropriateness for automated DMS message
- Design process was used to build the analytics for SunGuide Software enhancements
- Message concept examples
 - SLOW TRAFFIC 2 Miles Ahead
 - STOPPED TRAFFIC 3 Miles Ahead







CONFLICT OF INTEREST



SMALL BUSINESS PROGRAM

(FORMER BDI)



COMMUNICATION/ MISCELLANEOUS



- Refer to Conflict of Interest Procedure (375-030-006)
- Responsibility is on the consultant to request determination.
- Be proactive! Submit a request for determination early

Contact:

richardjr.nethercote@dot.state.fl.us or francis.bryan@dot.state.fl.us.





- Threshold for Task Work Order small business contracts increased from \$1.5M to \$3M; project specific threshold remains the same at \$1.5M.
- New guidance allowing % of contract dollars to be subcontracted to <u>non</u>small business firms:
 - Use is determined on a project-by-project basis by the District.
 - The percentage will be identified in the advertisement. See standard note 7 for guidance.



- Communication only through Professional Services Office after Formal Advertisement (Cone of Silence)
- Stay on Schedule!
- Timelines for negotiations/execution process
- Utilize the latest version of the Automated Fee Proposal (AFP) and Negotiation handbook:

https://www.FDOT.gov/procurement/index.shtm



Work Program, CAP, Major Initiatives Review



Procurement Bundling



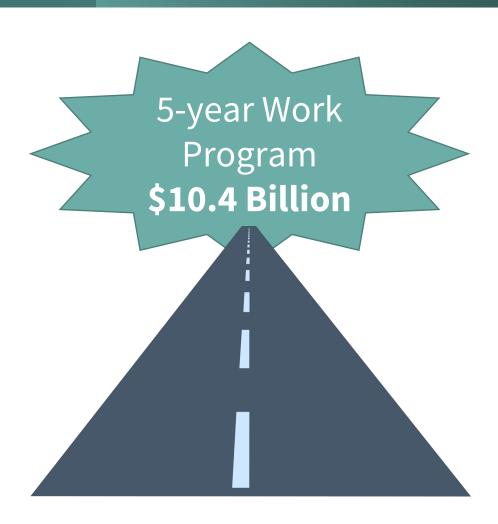
Marketing Opportunities



TRC Helpful Tips



- ☐ Largest 5-Year Work Program in the history of FTE
 - 18.1% of the Statewide Program
- ☐ Lane Miles
 - 276 added lanes
 - 1,021 improved lanes
- □ Bridges
 - 14 bridges repaired





- ☐ 6-Lane (minimum) Turnpike Mainline widening
- Poinciana Parkway Extension Connector
- Western Beltway (SR 429)
- ☐ Central Polk Parkway East
- ☐ Suncoast Parkway (SR 589) Phase 2, Sections 3A & 3B
- ☐ Turnpike Mainline Interchanges with SR 408 and SR 429
- ☐ Turnpike Mainline from I-595 to Wiles Rd





- ☐ FY 24 Consultant Acquisition Plan
 - Total Plan ~\$330M
 - New Contracts ~\$249M

Туре	# of Ads	# of Contracts
PD&E	2	2
Design	18	25
CEI	11	11





General Engineering and Continuing Services Contracts

Ad No	Formal Ad	Contract	Selection Method
24808	1/8/2024	GENERAL ENGINEERING CONTRACT – TRAFFIC AND REVENUE	LOR, TECH PROP AND ORAL PRESENTATION
24807	4/17/2023	CONT SVCS – GEOTECHNICAL AND MATERIALS TESTING AND INSPECTION SERVICES	ELOR
24817	10/16/2023	CONT SVCS – DESIGN SUPPORT (BDI)	ELOR
24820	4/17/2023	CONT SVCS – TSM&O	LOR AND ABBREVIATED TECH PROPOSAL
24821	11/13/2023	CONT SVCS – DESIGN BUILD RFP	LOR AND INTERVIEW
24822	6/12/2023	CONT SVCS – DESIGN BUILD PUSH BUTTON	LOR AND INTERVIEW





Ad No	Formal Ad	FPID	Project	Selection Method
24816	7/17/2023	423374-3	PD&E FOR WIDENING TURNPIKE MAINLINE (SR 91) FROM NORTH OF SR 60 TO KISSIMMEE PARK RD (MP 193-238.5)	LOR AND ORAL PRESENTATION
24815	7/10/2023	451419-1	PD&E CENTRAL POLK PARKWAY (SR 570B) – (US 17/92) TO (SR 538) (6 LANES)	LOR AND ORAL PRESENTATION



Ad No	Formal Ad	FPID	Project	Selection Method
24802	4/17/2023	445883-1 445884-1	RESURFACE SOUTHERN CONNECTOR EXTENTION (SR 417) IN OSCEOLA COUNTY (MP 0-4) RESURFACE SOUTHERN CONNECTOR EXTENTION (SR 417) IN ORANGE COUNTY (MP 4-6)	
24825		447702-1	RESURFACE SUNCOAST PARKWAY (SR 589) IN PASCO COUNTY (MP 17.5-28.5)	ELOR
24824		449687-1	RESURFACE SEMINOLE EXPRESSWAY (SR 417) IN SEMINOLE COUNTY (MP 50-55)	

These will be bundled into one (1) Advertisement.





Ad No	Formal Ad	FPID	Project	Selection Method
24827		446333-1 446334-1	WIDEN TURNPIKE MAINLINE (SR 91), SW MARTIN HWY TO ST LUCIE COUNTY LINE (MP 134.5-138.08) (4 TO 8) WIDEN TURNPIKE MAINLINE (SR 91) FROM MARTIN COUNTY LINE TO BECKER RD (MP 138.08-138.5) (4 TO 8)	LOR AND ORAL
24828	9/11/2023	446335-1	WIDEN TURNPIKE MAINLINE (SR 91), SW BECKER RD TO CROSSTOWN PKWY (MP 138.5-144.58)(4 TO 8)	PRESENTATION
24806		446165-1	TURNPIKE MAINLINE (SR 91) INTERCHANGE IMPROVEMENTS AT SR 714 (MP134.5)	
24810	9/11/2023	446579-1 452081-1 452083-1	WIDEN TURNPIKE MAINLINE (SR 91) FROM SOUTH OF SR 408 TO NORTH OF SR 429 (MP 265-269)	LOR AND ORAL PRESENTATION
24811	8/14/2023	437952-1	WIDEN SEMINOLE EXPRESSWAY (SR 434) TO NORTH OF CR 427 (MP 44-49.4) (4 TO 8)	LOR AND ORAL PRESENTATION
24809	7/10/2023	451420-1 451421-1 451422-1	CENTRAL POLK PARKWAY (SR 570B) – SR 60 TO US 17/92 (6 LANES)	LOR AND ORAL PRESENTATION
24813	6/26/2023	435787-1 435788-1 435788-2 435789-1	WIDEN TURNPIKE MAINLINE (SR 91) – US 27 TO I-75 (MP 289-308)	LOR AND ORAL PRESENTATION
24814	11/6/2023	452120-1	WIDEN WESTERN BELTWAY (SR 429) – NORTH OF US 192 TO NORTH OF WESTERN WY (MP 6-8)	LOR AND ORAL PRESENTATION

Ad No 24827, 24828, and 24806 will be bundled into one (1) Advertisement





Ad No	Formal Ad	FPID	Project	Selection Method
24805	8/7/2023	452112-1	TSM&O TURNPIKE MAINLINE (SR 821) – SOUTH OF PALM DR TO CAMPBELL DR (MP 0-2)	LOR AND
24826	6/1/2023	452082-1	TSM&O IMPROVEMENTS TO SR 50 OCOEE IN ORANGE COUNTY (MP 267B)	INTERVIEW
24812	8/7/2023	452228-1	HPS TO LED LIGHTING CONVERSION TURNPIKE- WIDE PHASE I	LOR AND INTERVIEW

Ad No 24805 and 24826 will be bundled into one (1) Advertisement.





Ad No	Formal Ad	FPID	Project	Selection Method
24803		449465-1	WIDEN EASTBOUND SR 528 EXIT RAMP TO JOHN YOUNG PKWY (MP 3)	
24801	5/15/2023	446224-2	TSM&O TPK (SR91) GRIFFIN ROAD INTERCHANGE IMPROVEMENTS (MP 54)	ELOR
24804		452109-1	SR 407 SAFETY AND ITS IMPROVEMENTS	

These will be bundled into one (1) Advertisement.





Resurfacing Bundle Operational Improvements Bundle Small Business Program Bundle Capacity / Widening Bundle

Scoring

 Shortlisted firms will be evaluated and scored based on the ELOR or the LOR and Interview/Presentation. A "lead" project will be identified in the advertisement that will be used for evaluating.

Contract Awards

- Awarded in order of ranked firms
- Identified in the advertisement





CONSULTANT MARKETING PRESENTATIONS



- 2nd Monday each month
- 45-minute presentation and Q&A



TECHNICAL PANEL SESSIONS

- Project Specific
- 30–45-minute individual session to discuss project details with TRC and Disciplines





- Informational presentation and Q&A
- All firms attend the same session



COURTESY MEETING



- One-on-One or small group
- Reach out to staff directly



If you have questions or comments on any of the Consultant Corner website content, you can submit online or reach out directly to any member of the team.

COMMENTS AND QUESTIONS
If you would like to submit any comments, questions, or suggestions please complete the form below.
Your Name
Your Email (required)
Subject
Your Message (required)
Send



LORs / ELORs

- QC for spelling and punctuation
- Provide FPIDs of previous project work.
- Provide FTE or Department names as references.
- Focus on the most relevant experience pertaining to the project you are pursuing.
- Provide key team members names and availability.



Technical Packets

- Consider adding page numbers and photos of key members
- Structure your team around the key elements of the project in pursuit.
- Indicate the persons' specific project role, year, and type of project (Design Build, etc.) on their resume.
- Designate QC Reviewers from QA/QC Managers and provide years of experience of both. Make sure they coincide with the org chart.

Oral Presentations / Q&A Sessions

- Understand what you are being scored on and prepare in those areas (criteria is included in the Shortlist package/RFP).
- Allow all members of your team attending an opportunity to answer questions or provide input.
- Be creative and innovative; make sure your innovation is feasible.



Turnpike Design Handbook (TDH) Migration



Governing Criteria



New General Tolling Requirements (GTR)



Turnpike Design Website



Turnpike Design Handbook Migration

- Turnpike design criteria documents sunset implemented January 1, 2023
 - Turnpike Design Handbook (TDH)
 - Supplement to the FDOT Drainage Manual
 - Supplement to the FDOT Structures Manual
- Active design projects initiated prior to 2023 still utilize TDH
- Archives of design criteria documents available on the Turnpike Design website



RON DESANTIS GOVERNOR

Florida's Tumpike Enterprise P.O. Box 613069, Ocoee, FL 34761 JARED W. PERDUE, P.E.

MEMORANDUM

Digitally signed by Moataz M November 07, 2022 Moataz M Hassan Date: 2022.11.07 Hassan 13:54:50 -05'00'

Moataz "Mo" Hassan, P.E., District Design Engineer

SUBJECT: Sunset Florida's Turnpike Enterprise Design Criteria Documents

Florida's Turnpike Enterprise (FTE) currently maintains and utilizes the following three (3) design criteria documents:

- Turnpike Design Handbook (TDH) and associated Guide Drawings
- Turnpike Supplement to the FDOT Drainage Manual
- Turnpike Supplement to the FDOT Structures Manual

These documents will be sunset with the implementation of the associated Florida Department of Transportation (FDOT) criteria documents on January 1, 2023 and no future updates will be prepared or published. The applicable version of these FTE documents will continue to be effective on design-bid-build projects that started design prior to January 1, 2023, except as approved by the District Design Engineer. The applicable version of these FTE documents will continue to be effective on design-build projects that were advertised prior to January 1, 2023 and included in the associated Request for Proposal as governing regulations.

Archives of historical versions of FTE's design criteria documents are available on the FTE Design website (https://floridasturnpike.com/business-opportunities/design/design-criteria-and-standards/).

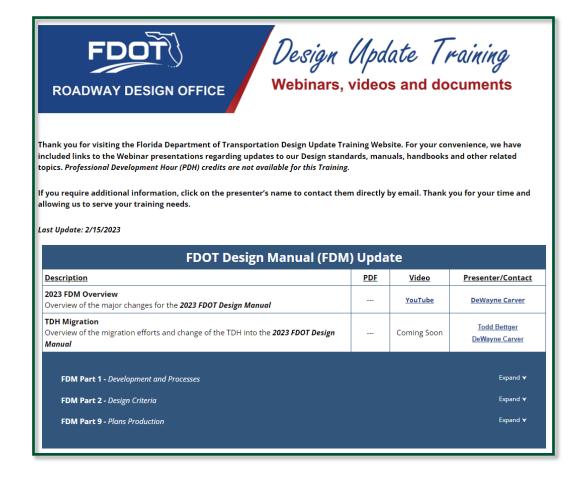
CONTACT

Moataz "Mo" Hassan, P.E. District Design Engineer Phone (407) 264-3998 mo.hassan@dot.state.fl.us



Governing Criteria

- New 2023 FDOT Design Manual (FDM)
- Most TDH design criteria critical to Turnpike migrated to FDOT design criteria documents:
 - 2023 FDM
 - 2023 FDOT Drainage Manual
 - 2023 FDOT Structures Manual
 - Standard Plans (including the SPI)
 - Upcoming Standard Specifications
- Training video on TDH migration to be posted on FDOT FDM website (coming soon)





- New 2023 General Tolling Requirements (GTR) released January 2023
- Moving forward update cycle is every 2 years
- GTR criteria & plan requirements apply <u>Statewide</u> to all projects with a tolling element
- Instructions included on Turnpike Design website on how to get the GTR document
- Direct any GTR and tolls design questions to James Beverly (JamesE.Beverly@dot.state.fl.us)

GENERAL TOLLING REQUIREMENTS

PART 2 – DESIGN CRITERIA JANUARY 2023







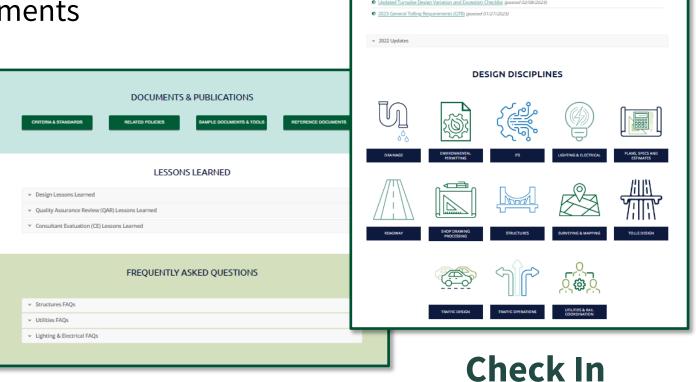


Regularly!

WHAT'S NEW IN DESIGN

Choose from one of the 2023 or 2022 dropdowns to view what has been updated in design

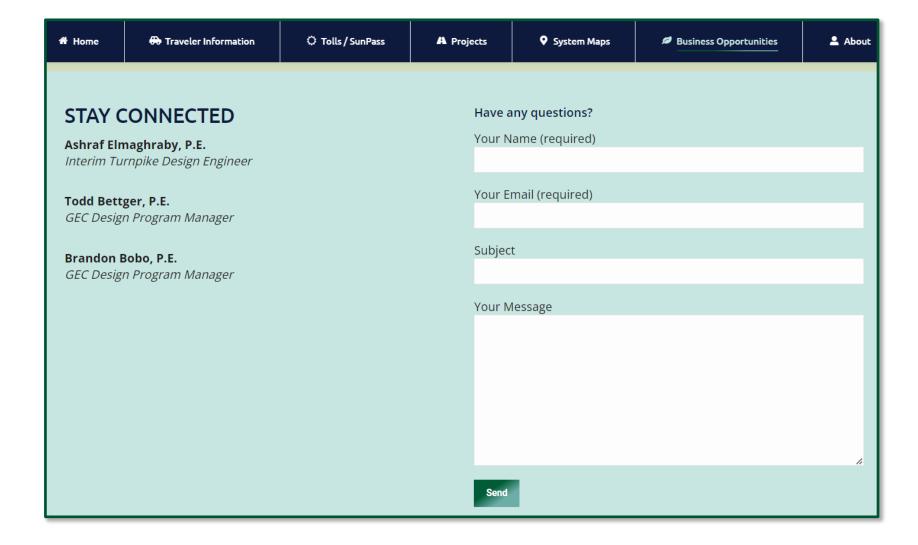
- Provides discipline-specific design guidelines, sample documents, tools, & reference documents
- Includes lessons learned from: design, QARs, and consultant evaluations
- With TDH sunsetting, some noncriteria-based best practices are being captured as tools and checklists

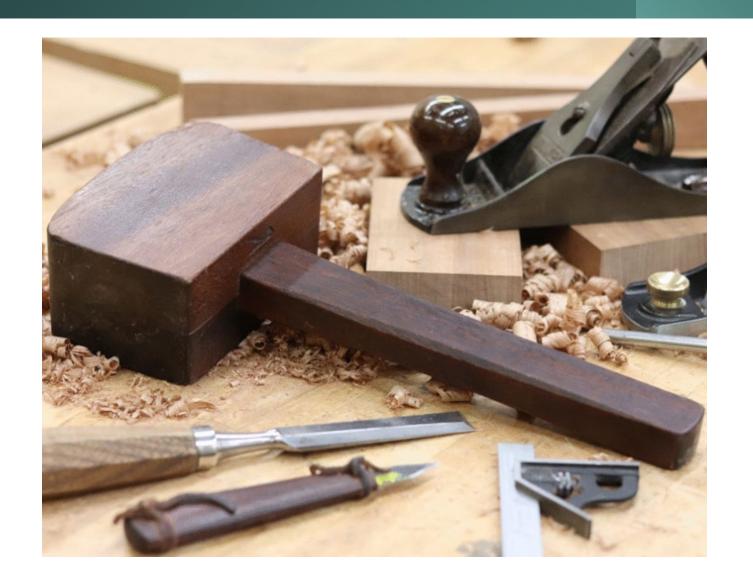


https://floridasturnpike.com/business-opportunities/design/



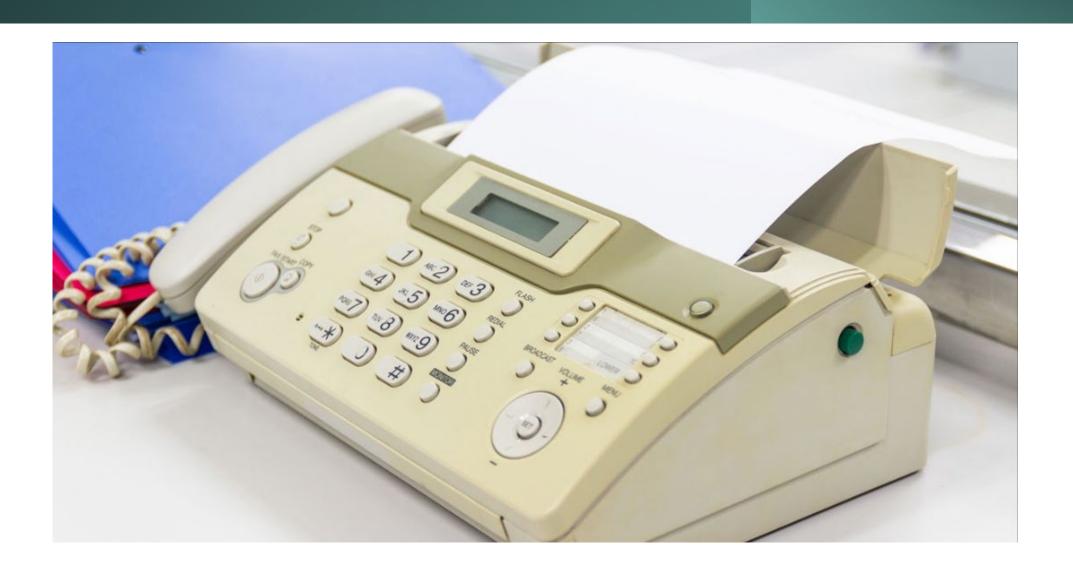
Please provide any feedback regarding the Design Website











Northeast Florida (\$227.8M)

System Expansion

Central Florida (\$2.2B)

- Capacity Improvements
- New/Improve Interchanges

West Florida (\$676.8M)

- System Expansion
- Improve Interchange

South Florida (\$3.3B)

- Capacity Improvements
- New/Improve Interchanges





PMIS Dashboards and Reports



Monthly Progress Report



Forecast & Encumbrance



Risks & Issues



Milestones



Cost vs Time (Earned Value Management)



CSIs



RFIs, RFCs & RFMs



Shop Drawings & Submittals



Change Management



Work Orders



Schedule Updates



MBE & DBE





PMIS (Project Management Information System)

- Increased transparency on both the project and program level.
- Improved consistency in project data and reporting.
- Ability to analyze data from a high level and drilling down into the details.
- Early identification of issues and trends through forecasting and near real time data.
- Knowledge transfer of lessons learned to new and future projects.
- Better insight on program workload and funding requirements.
- Cultivate culture of innovation, communication and collaboration.
- Aids in identifying areas that require more support .



Project Specific and detailed



Program Wide and Summarized overview



Custom designed Tools and Applications



Custom designed Reports and Dashboards



Centralized location for Project and Program information



FPID	Ad#	Formal Ad Date	Project	Est. \$ Amt.
438548-1		4/17/2023	PAINT BRIDGES ON RAMPS AT TURNPIKE MAINLINE (SR 91)/ INTERCHANGE (MP 267)	\$2.40M
438549-2	24829	4/17/2023	PAINT BRIDGES ON SEMINOLE EXPRESSWAY (SR 417) AT RINEHART RD (MP 54.64)	\$0.33M
438549-1		4/17/2023	PAINT BRIDGES AT SEMINOLE EXPRESSWAY (SR 417) (MP 50.3-50.5) US 17/92 AND AIRPORT BLVD	\$0.50M
444402-1	24830	4/17/2023	RESURFACE TURNPIKE MAINLINE (SR 91) IN ST LUCIE COUNTY (MP 169.3-173)	\$0.90M
444403-1	24030	4/17/2023	RESURFACE TURNPIKE MAINLINE (SR 91) IN INDIAN RIVER COUNTY (MP 173-178.3)	\$1.43M
441224-4	24831	5/8/2023	WIDEN TURNPIKE MAINLNE (SR 91) (MP 239-242) AND NEW NOLTE RD INTERCHANGE	\$13.58M
441718-1	24031	5/8/2023	RECONSTRUCT TURNPIKE MAINLINE (SR 91) IN OSCEOLA COUNTY (MP 227.0-235.0)	\$2.45M
446223-1		5/15/2023	TSM&O ADD AUXILIARY LANES TO SOUTH TURNPIKE MAINLINE (SR 91) IN BROWARD COUNTY (MP 47-51)	\$4.30M
446224-1	24832	5/15/2023	TSM&O ADD AUXILIARY LANES TO SOUTH TURNPIKE MAINLINE (SR 91) IN BROWARD COUNTY (MP 51-54)	\$4.50M
437169-6		5/15/2023	TSM&O TURNPIKE MAINLNE (SR 91) AT BOYNTON BEACH BLVD NORTHBOUND RAMPS AND INTERSECTION IMPROVEMENTS (MP 86)	\$0.63M





FPID	Ad#	Formal Ad Date	Project	Est. \$ Amt.
435461-1	24833	5/29/2023	WIDEN SAWGRASS (SR 869) ATLANTIC BLVD TO SAMPLE RD (MP 9-12) (6 TO 10)	\$6.70M
442625-1		7/17/2023	WEST PALM BEACH SERVICE PLAZA PARKING IMPROVEMENTS (MP 94)	\$1.99M
406143-5	24834	7/17/2023	WIDEN TURNPIKE MAINLINE (SR 91) WEST PALM BEACH SERVICE PLAZA TO SOUTHERN BLVD (MP 94-98)(4 TO 8)	\$15.30M
417545-1	24835	7/17/2023	WIDEN SEMINOLE EXPRESSWAY (SR 417) FROM ALOMA AVE TO SR 434 (MP 38-44) (4 TO 8)	\$19.83M
433663-1	24836	10/2/2023	SAND LAKE RD/TURNPIKE INTERCHANGE (SR 482/SR 91) (MP 257)	\$9.32M
415927-5	24837	10/30/2023	BRIDGE STRENGTHENING TURNPIKE MAINLINE (SR 91) IN BROWARD COUNTY (MP 73.1) (BRIDGE #860184)	\$0.49M
417132-5	24031	10/30/2023	E-2W CANAL BULKHEAD WALL, N GLADES RD TO N ATLANTIC AVE (MP 76.8-81.9)	\$8.92M
436194-1	24838	11/27/2023	WIDEN TURNPIKE MAINLINE (SR 91), PARTIN SETTLEMENT RD TO OSCEOLA PKWY (CR 522) (MP 243.5-249) (4 TO 8)	\$19.86M
442876-1	24839	1/8/2024	ITS REPLACEMENTS FOR BEACHLINE EAST EXPRESSWAY (SR 528) IN ORANGE AND BREVARD COUNTIES (MP 31-45.7)	\$2.29M



Important Web Links



FTE Consultant
Corner



FTE Design



FY 2024 CAP Presentation



<u>Procurement</u> <u>Advertisements</u>



Procurement
Statewide CAP

FTE Contacts

Alison Stettner – Director of Transportation Development - <u>Alison.Stettner@dot.state.fl.us</u>

Maria Connolly – Director of Operations - <u>Maria.Connolly@dot.state.fl.us</u>

Stephanie Sharp, P.E. – District Program Management Administrator - <u>Stephanie.sharp@dot.state.fl.us</u>

Brianna Myers, CPM – District Work Program Administrator - <u>Brianna.myers@dot.state.fl.us</u>

Karen Akers, P.E. – Consultant CEI Manager - <u>Karen.akers@dot.state.fl.us</u>

Ashraf Elmaghraby, P.E. – Interim District Design Engineer - Ashraf.Elmaghraby@dot.state.fl.us

Professional Services Unit

<u>richardjrnethercote@dot.state.fl.us</u> francis.bryan@dot.state.fl.us

<u>Deborah.goodness@dot.state.fl.us</u>

Deborah.mcglashan@dot.state.flus