



— THE EASTERN  
TRANSPORTATION  
COALITION

CONNECTING FOR SOLUTIONS



## TETC Truck Parking Working Group

*August 4, 2023*

# Today's Agenda



## TETC Truck Parking Working Group

Welcome and Introductions

Marygrace Parker, The Eastern Transportation Coalition/TPWG  
Sara Walfoort – SWPC Manager, Freight Planning, TPWG Chair

Spotlight Presentation – Florida's Truck Parking Expansion

Marie Tucker, Commercial Vehicle Operations Manager, FDOT

TETC Update

Marygrace Parker

Agency Roundtable

TETC Chair/TPWG Members/TETC Staff

TETC TPWG Calendar – Meeting Schedule, Future Topics

TETC Staff/TPWG Members

Wrap Up

TETC Staff/TPWG Members





# Spotlight Presentation: Florida's Truck Parking Expansion

# Truck Parking Expansion



# Agenda

- Project Objectives
- Stakeholder Coordination & Engagement
- Data Collection & Analysis
- MCSAW Utilization Strategies
- Private Parking & Data Sharing
- Alternative Truck Parking Solutions
- Funding Opportunities
- Implementation Actions

# Project Objectives



**Improve truck parking utilization at Motor Carrier Size and Weight (MCSAW) weigh station facilities**



**Increase truck parking capacity at state-owned rest areas, welcome centers, and weigh stations**



**Identify innovative uses of FDOT right-of-way for truck parking**

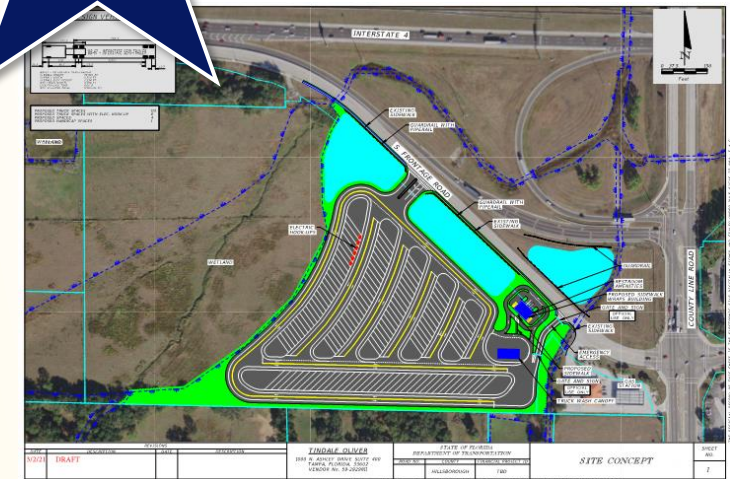
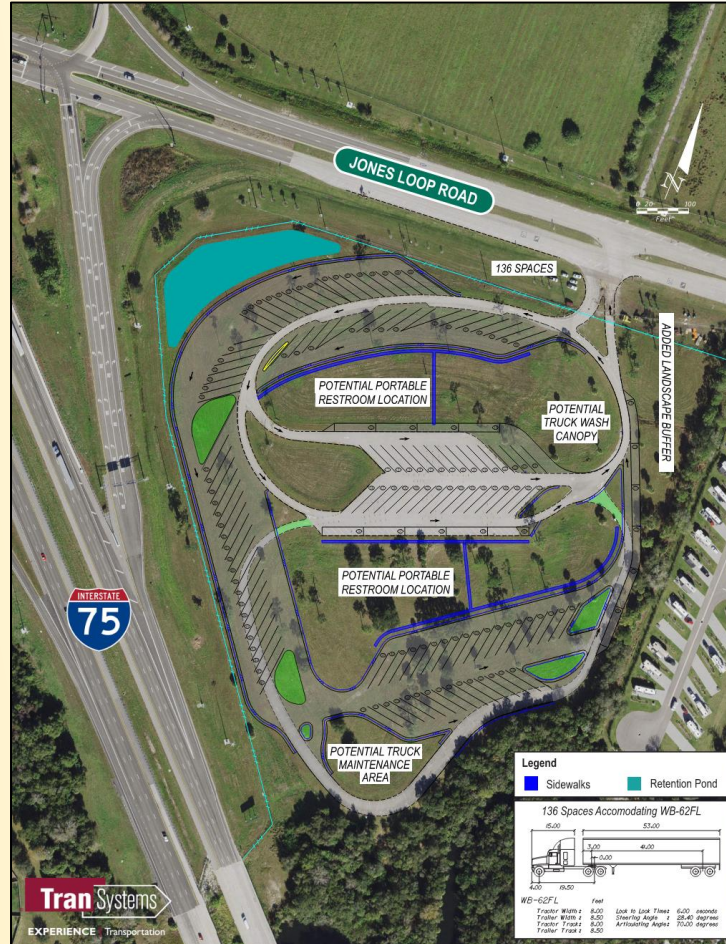
# Industry Coordination

- Dynamic Messaging Signs (DMS) or Truck Parking Availability System (TPAS) signs are a preferred method of communication for drivers, but data needs to be accurate, reliable, and consistent
- The safety and security of truck parking facilities is a major consideration for drivers, with adequate lighting noted as a priority
- An increase in recreational vehicles parking in truck parking spaces has been noted
- Wi-Fi and vending machines were consistently identified as preferred amenities



# District Coordination

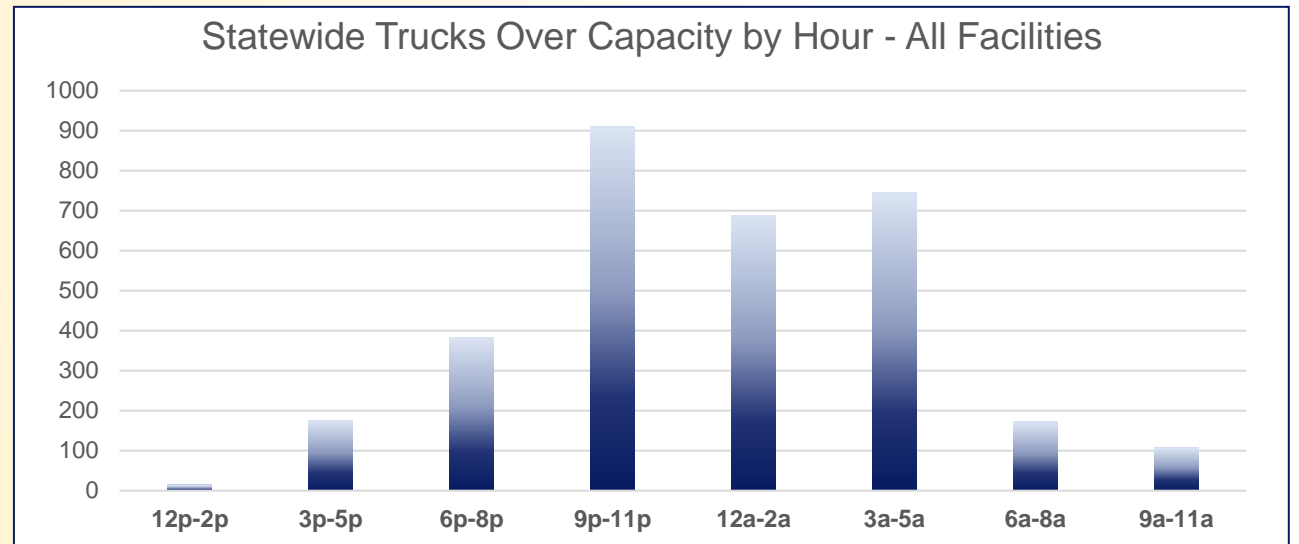
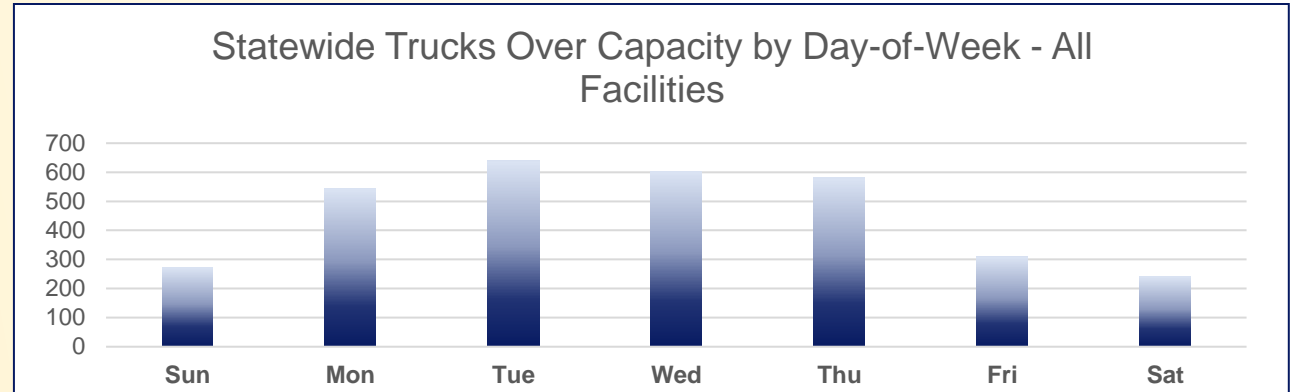
- Re-purposing of closed rest areas for truck parking (D1)
- Rest area redesigns to accommodate additional parking (D1, D5, D7)
- Add parking or re-purpose existing FDOT owned facilities/ROW (D4, D7)
- Truck-only facilities (D5, D6, D7)
- Local government coordination for sites and policy (D1, D5, D6)
- Truck parking studies to identify sites (D1, D5, D6)
- District Needs:
  - ◆ Funding to implement or advance projects
  - ◆ Maintenance funding support for truck-only facilities



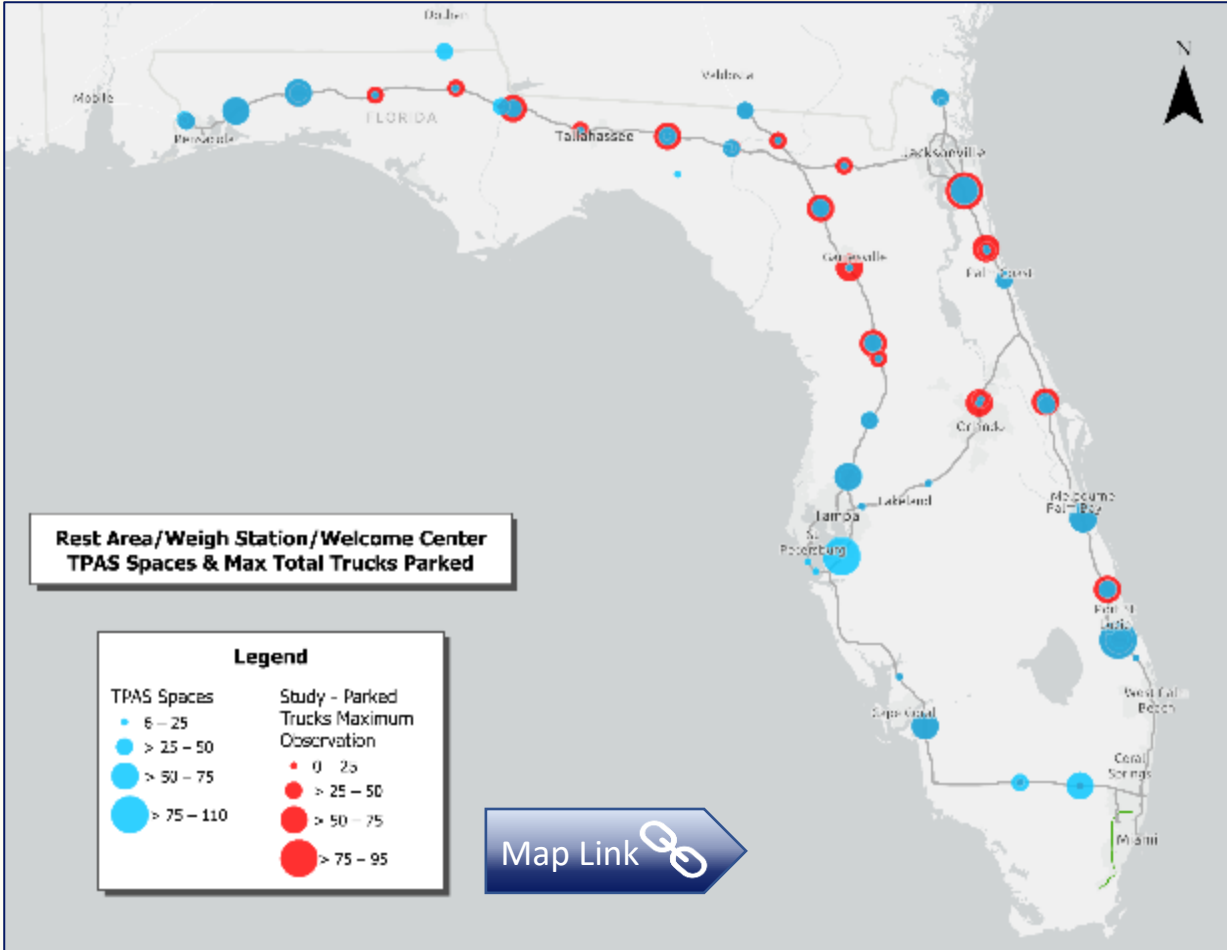


# Utilization Analysis

- North and Central parts of the state saw the highest rates of overutilization
  - I-10 Corridor in Districts 2 and 3
  - I-75 Corridor in District 2 and 5
  - I-95 Corridor in District 2
- Rest areas generally see more overutilization and illegal parking than weigh stations
- Monday – Thursday see most overutilization at state facilities
- 9:00 PM – 6:00 AM is the peak time period for overutilization at state parking facilities



# Statewide Overutilization Map



## Truck Parking Utilization:

This map highlights statewide truck parking utilization at all state-owned rest areas and weigh stations during a one-week period in quarter one of calendar year 2022. Red areas indicate over-utilization of a facility.

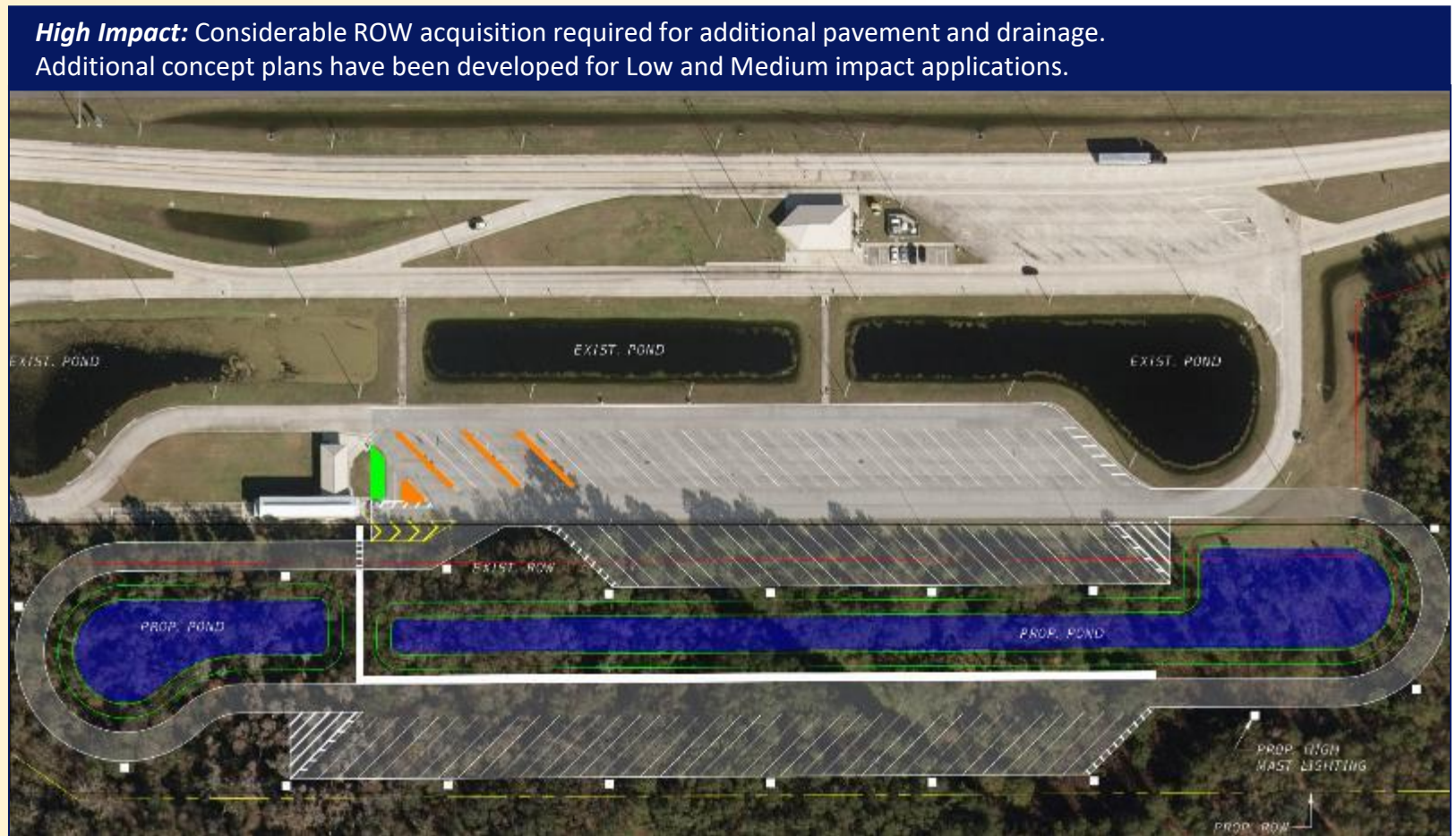
# Enhanced Amenities and Improved Signage

- Provide WiFi and vending machines at underutilized facilities
  - ◆ I-10 corridor pilot projects
- Include supplemental signage that communicates available amenities at all facilities
- Provide clearer messaging that truck parking is available
  - ◆ Change “Comfort Station” to “Truck Parking”



# Weigh Station Capacity Concepts

- Concepts were developed to increase capacity at facilities experiencing significant overutilization including Flagler, White Springs, Seffner, and Wildwood
- Low, medium, and high right of way (ROW) impact concepts were developed for each identified site that included:
  - ◆ Conceptual design
  - ◆ Environmental screening
  - ◆ Cost estimates



# Private Parking and Data Sharing

- Identified opportunities for TPAS data sharing with 3rd party applications and ELD/Telematics providers
  - ◆ Provide in-cab data dissemination that meets hands-free requirements
  - ◆ Integration with existing in-cab hardware/devices
- Coordinated with private industry including ELD providers and 3rd party applications
- Reviewed existing FDOT 3rd party data sharing agreements (Waze)
- Developed 3rd party data sharing agreement template for truck parking availability and utilization data

## Electronic Logging Device (ELD) PROVIDER TRUCK PARKING AVAILABILITY DATA CROSS-LICENSE AGREEMENT

This Choose an item. Data Exchange Agreement (the "Agreement") is between Choose an item., located at Click or tap here to enter text. ("Choose an item.") and Florida Department of Transportation, located at 605 Suwannee Street, Tallahassee, Florida 32399 ("FDOT"). The Agreement will be effective on the last date of signature below (the "Effective Date").

### Background

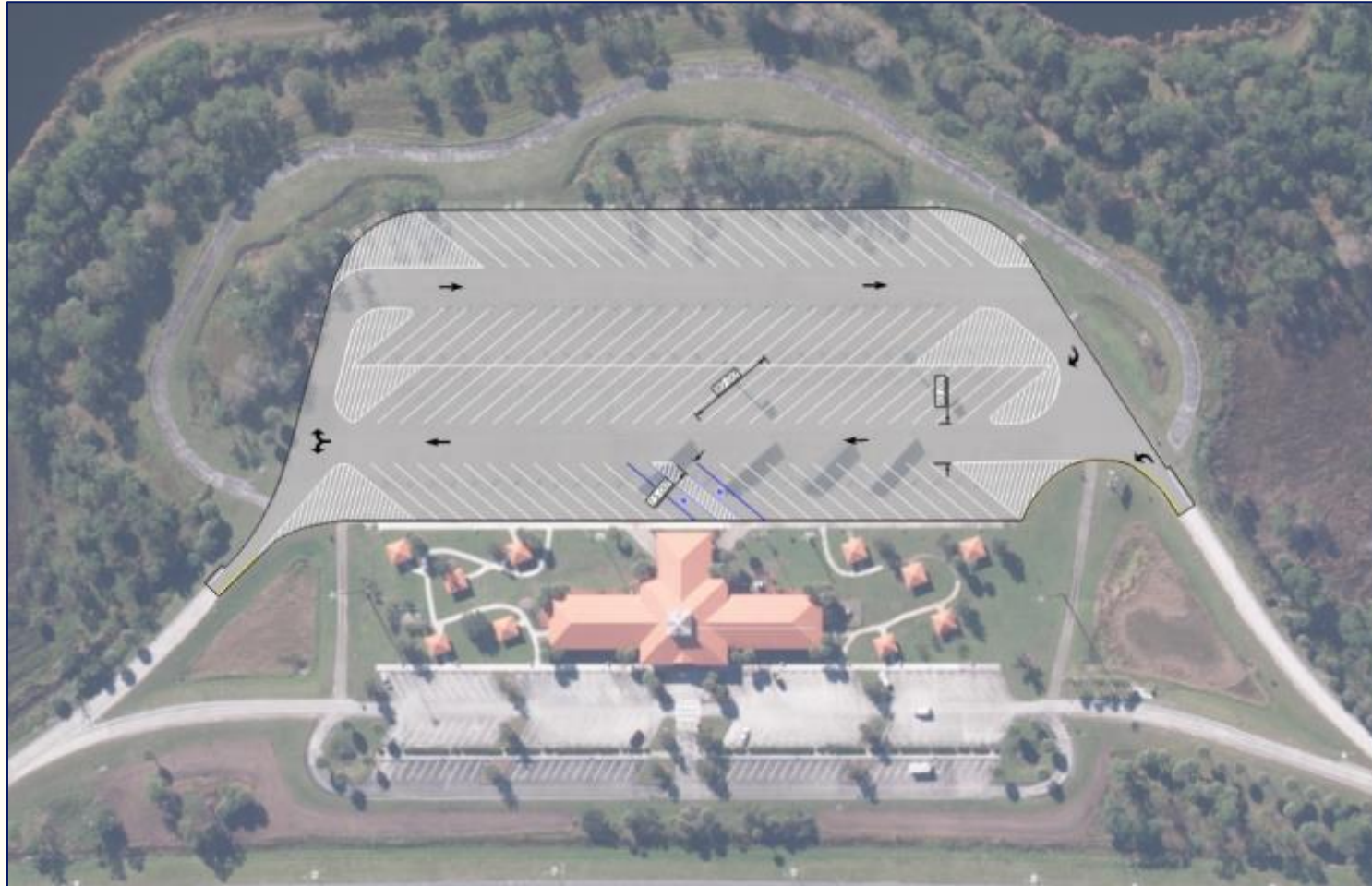
- A. Choose an item. provides commercial vehicle fleet management solutions including Electronic Logging Device (ELD) capabilities to monitor commercial motor vehicle driver's hours of service requirements.
- B. Choose an item. Collects, tracks, manages, and can share commercial motor vehicle fleet data including hours of service information.
- C. FDOT manages the Truck Parking Availability System (TPAS) that monitors real-time truck parking availability at state-owned rest areas, welcome centers, and weigh stations and provides that information through dynamic messaging signs and the Florida 511 application.
- D. To improve truck parking availability and utilization in Florida, the parties desire to do the following, subject to the terms of this Agreement:
  - i) Each party will non-exclusively cross-license specific truck parking availability and utilization data or other relevant commercial vehicle operations data to the other party; and any additional data that FDOT makes available to Choose an item. under this Agreement.

### 1. Definitions.

- 1.1 "Brand Features" means either party's trade names, trademarks, service marks, logos, domain names, and other distinctive brand features.
- 1.2 "FDOT Data" refers to truck parking availability and utilization data at specific state-owned parking facilities, location of those facilities, and any other data that FDOT makes available under this Agreement.
- 1.3 "FDOT" means the Florida Department of Transportation.
- 1.4 "API" means a web-based, application programming interface that gives application developers access to the data.



# Rest Area Concepts



## ***Restriping:***

In this example, an FDOT rest area was re-configured to include 30% more truck parking spaces by switching to a back-in parking layout.

# Rest Area Concepts

## ***Repurposing:***

In this concept, existing passenger vehicle parking and shoulders are repurposed to accommodate parallel parking





# Rest Area Concepts

## ***Repurposing:***

In this concept an existing picnic loop is repurposed to accommodate parallel parking



# Alternative ROW Concepts



## ***Rehabilitating:***

This concept was developed using the footprint of a closed rest area and utilizes a back-in parking strategy.

# Alternative ROW Concepts



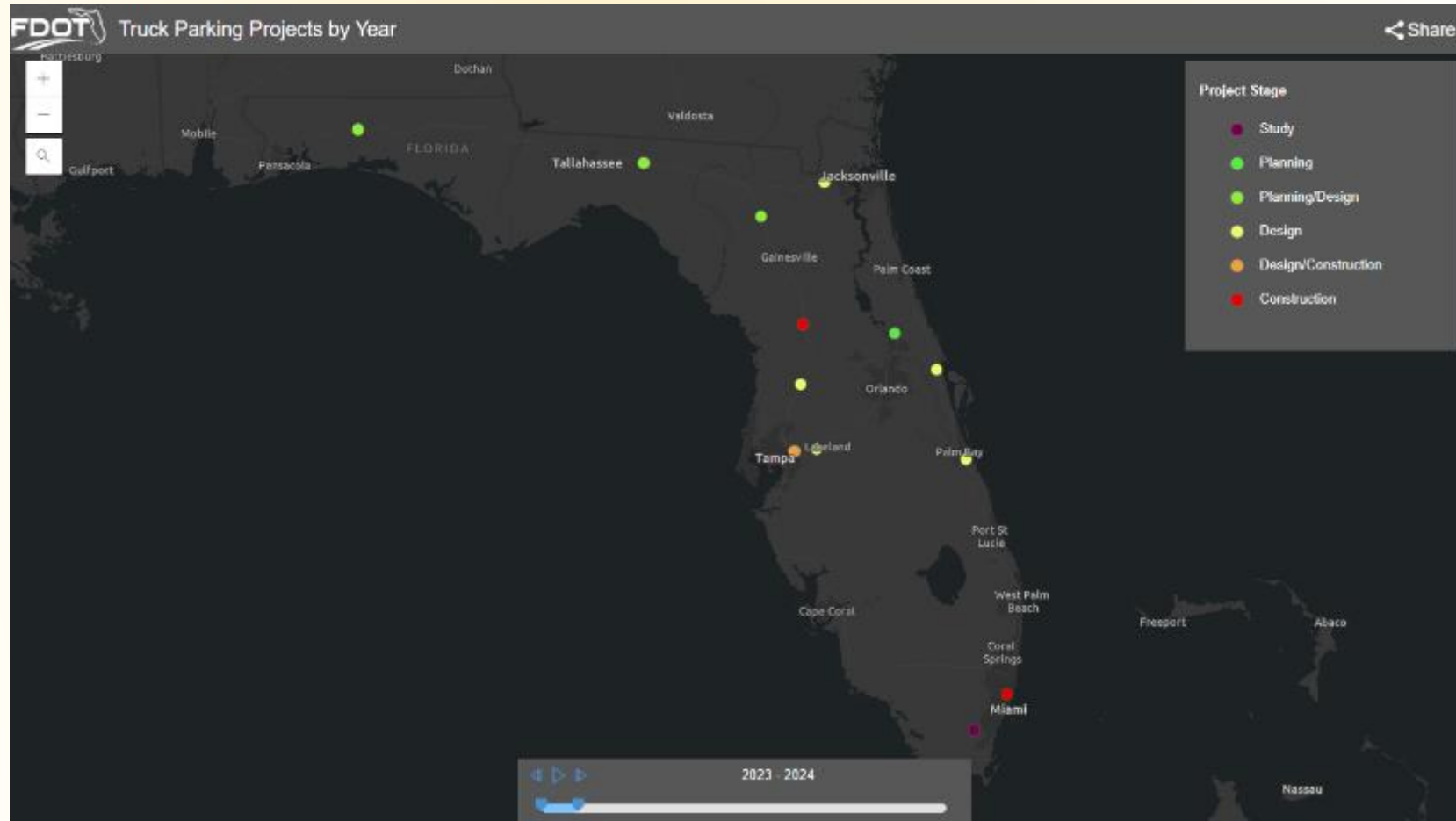
## ***Median Parking:***

This concept was developed to increase truck parking capacity utilizing available space in medians.

# Federal Funding Opportunities

Formula Funding Programs	Discretionary and Competitive Grant Programs
Surface Transportation Block Grant (STBG)	Infrastructure for Rebuilding America (INFRA)
National Highway Freight Program (NHFP)	Rebuilding American Infrastructure with Sustainability and Equity (RAISE)
Highway Safety Improvement Program (HSIP)	Rural Surface Transportation Grants
National Highway Performance Program (NHPP)	National Infrastructure Project Assistance (MEGA)
Promoting Resilient Operations for Transformative, Efficient, and Cost-saving Transportation (PROTECT)	Promoting Resilient Operations for Transformative, Efficient, and Cost-saving Transportation (PROTECT)
Carbon Reduction Program (CRP)	Advanced Transportation Technologies and Innovative Mobility Deployment (ATTIMD)
Congestion Mitigation and Air Quality Improvement Program (CMAQ)	Reduction of Truck Emissions at Port Facilities
Source: FHWA Memorandum on Eligibility of Title 23 and Title 49 Federal Funds for Commercial Vehicle Parking	FMCSA High Priority Innovative Technology Deployment (HP-ITD)

# Statewide Truck Parking Project Tracker



## ***FY24 Projects:***

This map highlights statewide truck parking projects that are currently funded by phase using Rest Area, NHFP, or Carbon Reduction Program Funding. The online map viewer allows the user to scroll through 10-years of planned projects.

# Implementation Actions

## Develop a statewide truck parking program


- ◆ Support Delivery of the 10-year, \$694 million program
- ◆ Coordinate design and construction
- ◆ Incorporate best practices
- ◆ Identify funding opportunities for Construction and begin work program funding request process

## Formalize a statewide truck parking working group

- ◆ Bi-annual meeting
- ◆ Identify program and funding needs
- ◆ Consistent approach to implementation
- ◆ Statewide collaboration

## Coordinate with Districts on further project development for overutilized rest areas and welcome centers

- ◆ Identify funding opportunities for Design, ROW, and Construction
- ◆ Align with condition assessment improvements



**UPDATE:**

*In Fall of 2022, FDOT successfully programed over \$46M in Carbon Reduction Program Funding for future truck parking implementation projects across the state.*

# Implementation Actions

Incorporate alternative parking solutions

- ◆ Update Florida Design Manual and other documents
- ◆ Leverage existing right of way

Initiate a statewide communications and outreach campaign

Monitor performance of rest areas, welcome centers, and weigh stations

- ◆ Utilize technology to automate detection of over-parking and provide continuous/real-time utilization data for all state-owned facilities
- ◆ Collaborate with private sector investors

Begin Design and ROW activities for overutilized weigh stations with capacity concepts developed

- ◆ Identify funding opportunities for Construction and begin work program funding request process

Implement enhanced amenities (WiFi) and updated signage at underutilized weigh stations along I-10

# QUESTIONS?

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**THANK YOU!**

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