



# STATE TRANSPORTATION BOARD

## NOVEMBER 2024 COMMITTEE MEETINGS

November 20, 2024



# STATE TRANSPORTATION BOARD

## Administrative Committee

November 20, 2024



# Office of Procurement

## Solutions Based, Customer Focused

Treasury Young  
Chief Procurement Officer  
November 20, 2024

# PROCUREMENT IS A PARTNERSHIP



**End User/Customer:  
Identify Needs**

**Office of Procurement:  
Processes**

**Vendor/Consultant/Contractor:  
Solutions**

# Procurement vs. Purchasing

## PROCUREMENT

- The sourcing and selection of goods and services following a process and obligation to adhere to rules and regulation.

## PURCHASING

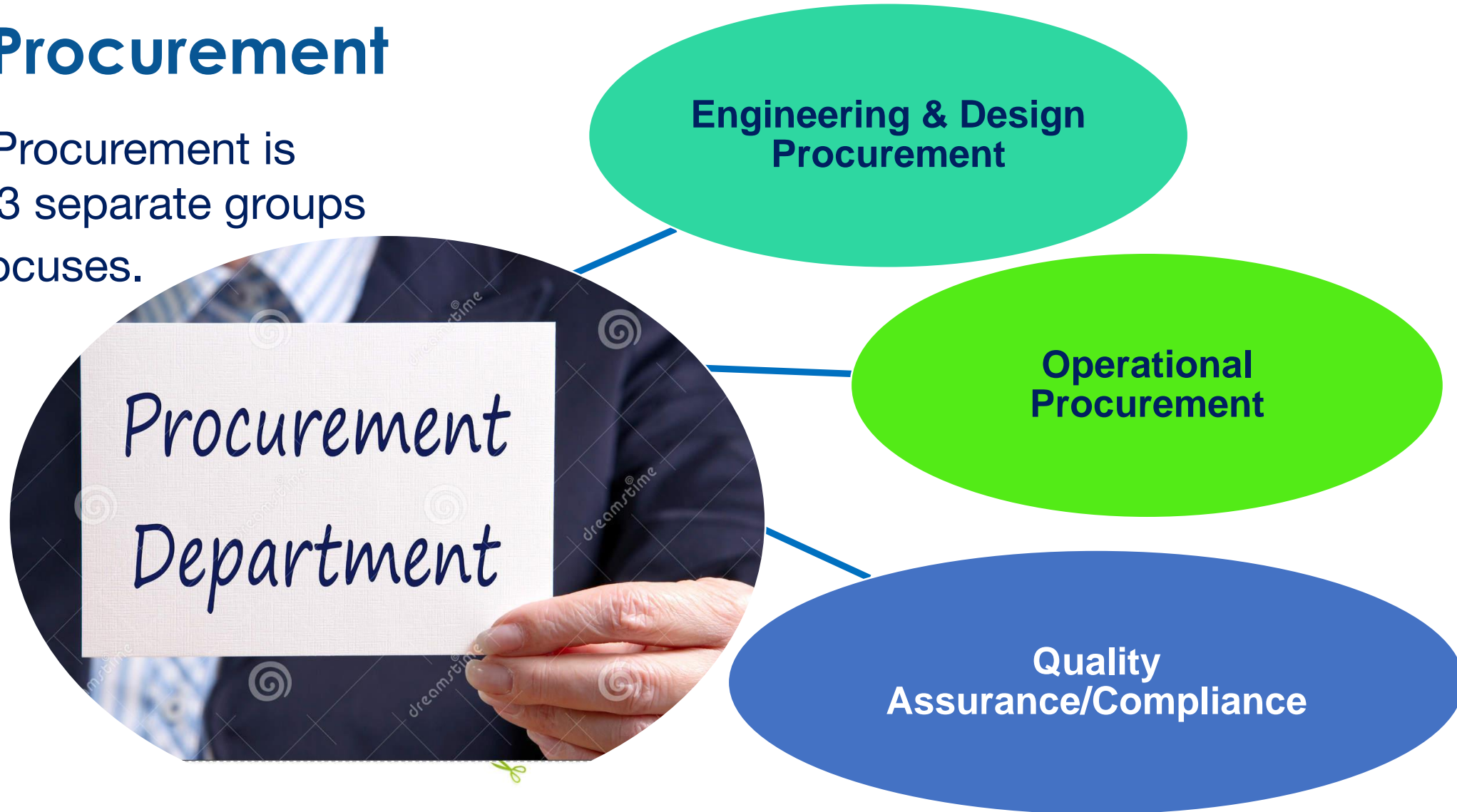
- The process of how goods and services are ordered and paid for.

Setting up the contracts we buy from

Buying goods/services from available contracts

# Office of Procurement

The Office of Procurement is comprised of 3 separate groups with varying focuses.



# Office of Procurement

# Engineering & Design Procurement

# Engineering & Design Procurement – What We Procure

- **Road Design**
  - Rural & Urban Design
  - Interstate Design
  - Traffic Operations Studies & Design
  - Utility Coordination
  - Hydraulics
  - Lighting
  - Value Engineering
- **Structural Design**
  - Minor & Major Bridge Design
  - Bridge Inspection
- **Construction Engineering & Inspection**
- **Erosion & Sedimentation Control**
- **Soils, Foundations & Materials Testing**
  - Soil Surveys
  - Geological Studies
  - Lab & Field Testing of Construction Materials
- **Transportation Planning**
  - Statewide System Planning
  - Aviation System Planning
  - Environmental
    - *NEPA*
    - *History*
    - *Air Quality*
    - *Noise*
    - *Ecology*
    - *Aquatic Surveys*
    - *Public Involvement*
    - *Traffic & Toll Revenue Studies*
- **Topography**
  - Remote Sensing
  - Cartography
  - Overhead and Sub-Surface Utility Engineering



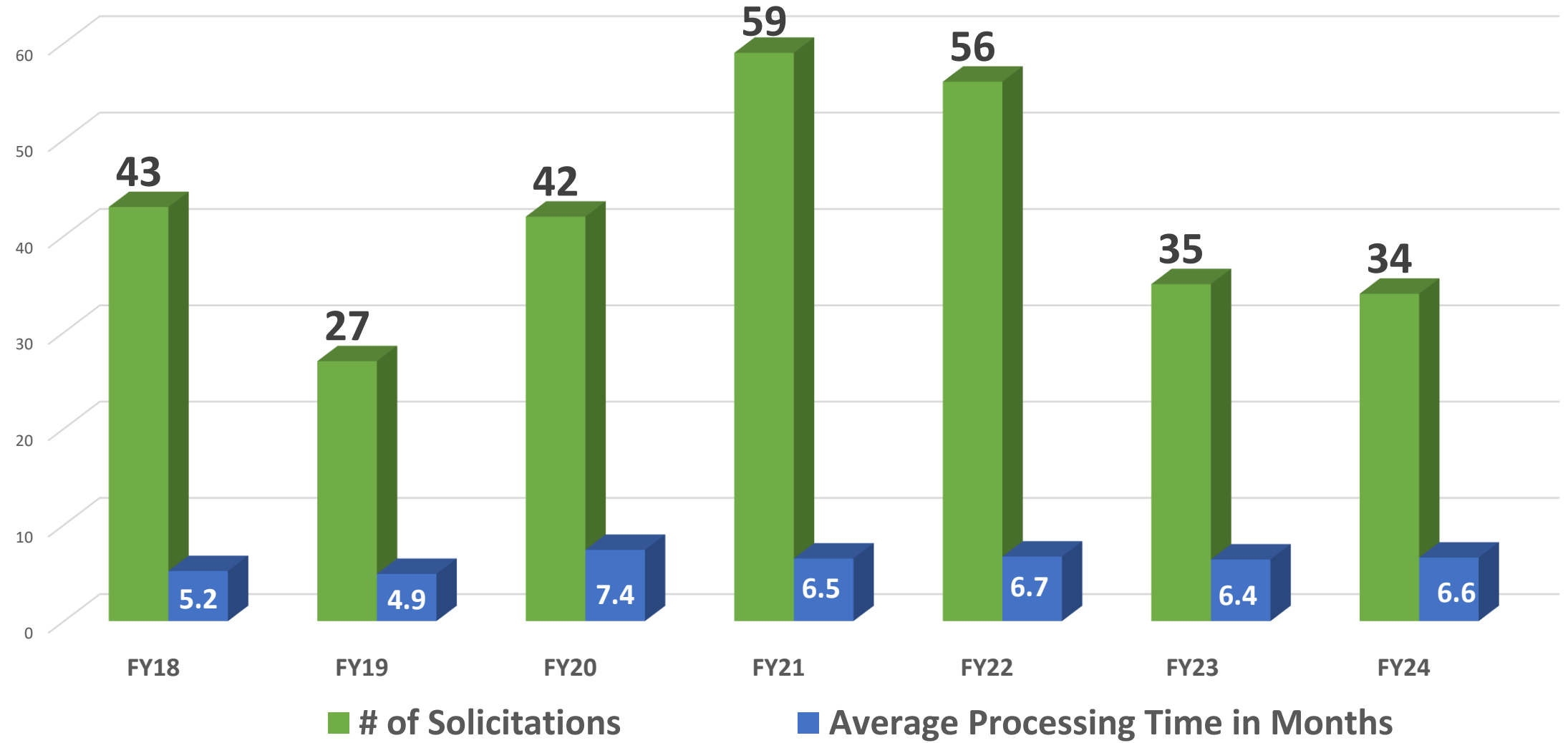
# Office of Procurement – Engineering & Design – Tools:



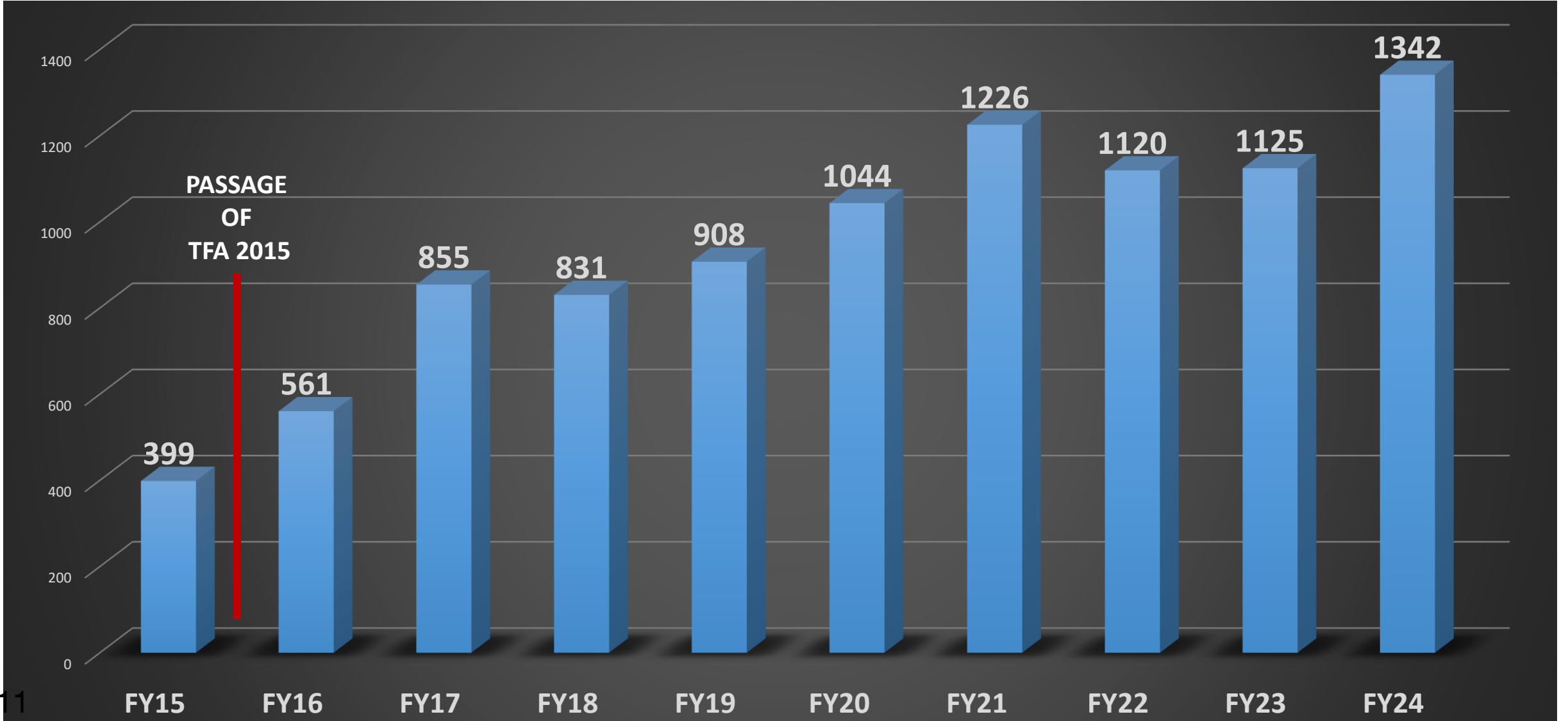
## **Request For Qualifications (RFQual)**

Procurement where no points are assigned to cost and only experience and qualifications are evaluated (can only be used for engineering & design contracts)

# Engineering & Design Related Procurements by Fiscal Year



# Engineering and Design Related Contracts



# Engineering and Design Related Contracts



## Office of Procurement

# Operational Procurement

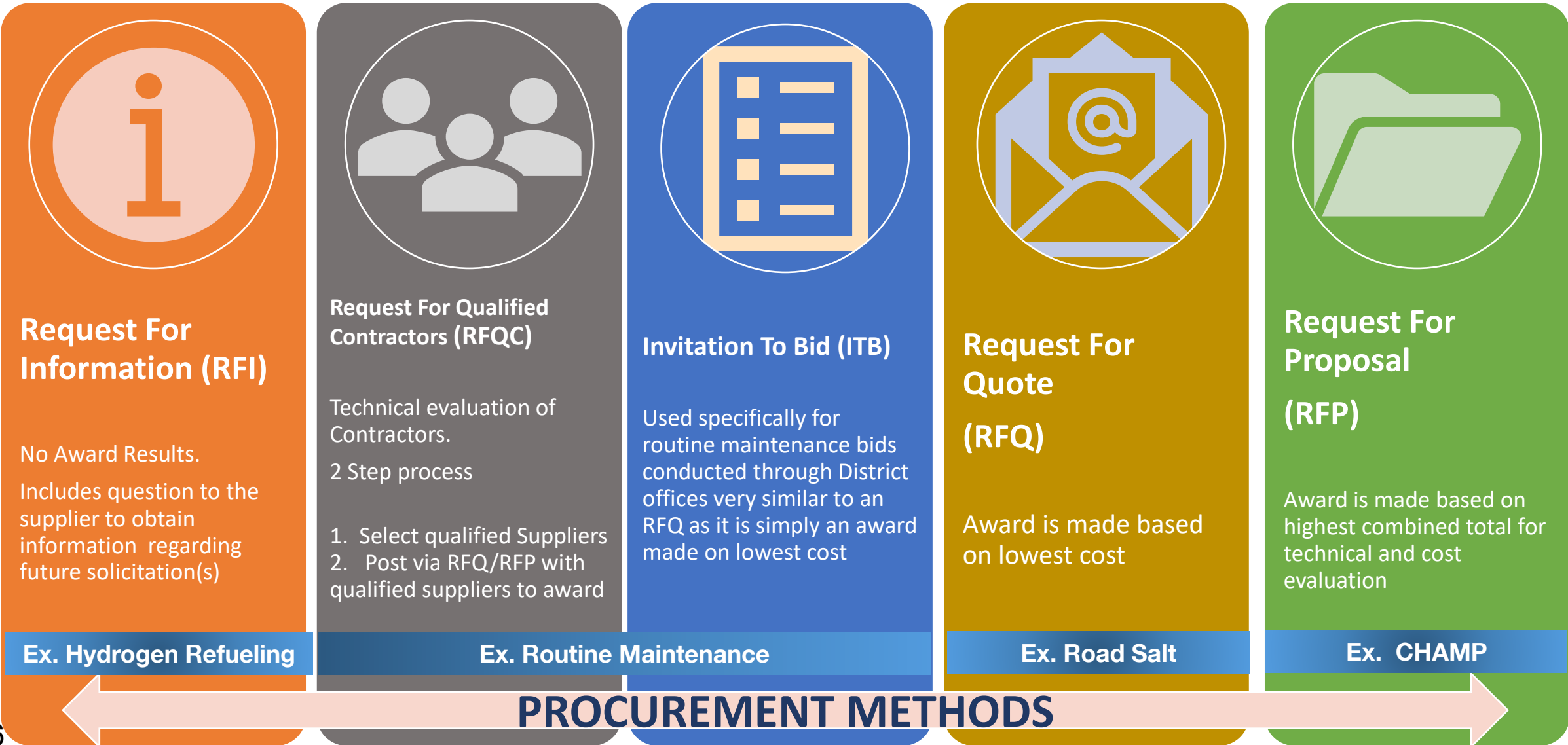




# Operational Procurement – Commodities and Services We Procure

<b>Commodities</b>	<b>Service</b>
Asphalt Plant Mix	CHAMP
Herbicide Products	Custodial - Rest Area/Welcome Centers
Message & Arrow Boards	Guardrail Repair
Permanent & Temporary Patching Materials	Highway Mowing
Promotional Products	Landscaping
Ready-Mix Concrete	Pavement Marking
Traffic Signal Equipment Facility Parts	Sweeping
Sodium Chloride	Traffic Signal Repair & Maintenance
Brining Equipment (Brine makers, Trailers, tanks etc.)	Comprehensive Maintenance
Surveying & Materials Testing Equipment	Connected Vehicles
Guardrail Parts	Emergency Debris Removal
Vehicles & Equipment	Facilities Repairs
Emergency Response Tools	Training
Office Supplies	Public Relations & Communications Support
Furniture	Property Damage Recovery
IT Related Needs (Computer Hardware & Software Related)	Financial Audits

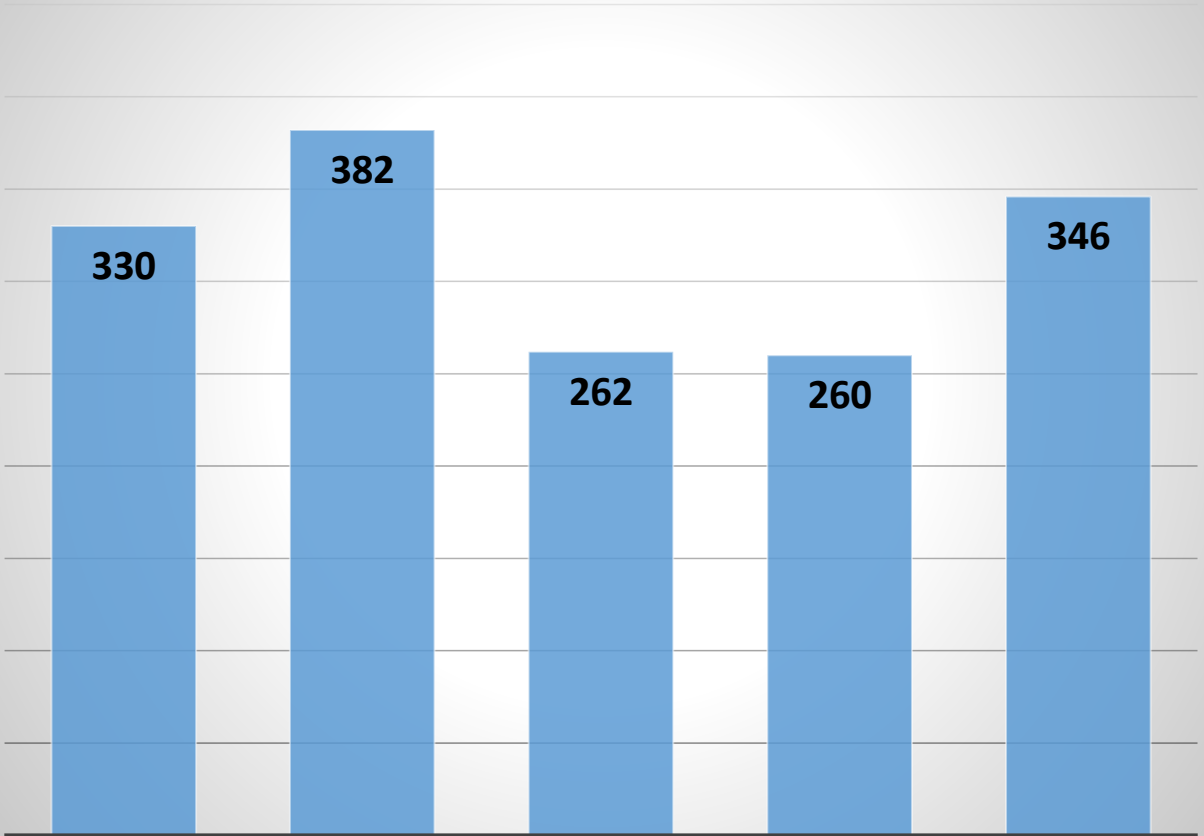
# Office of Procurement – Operational – Tools:



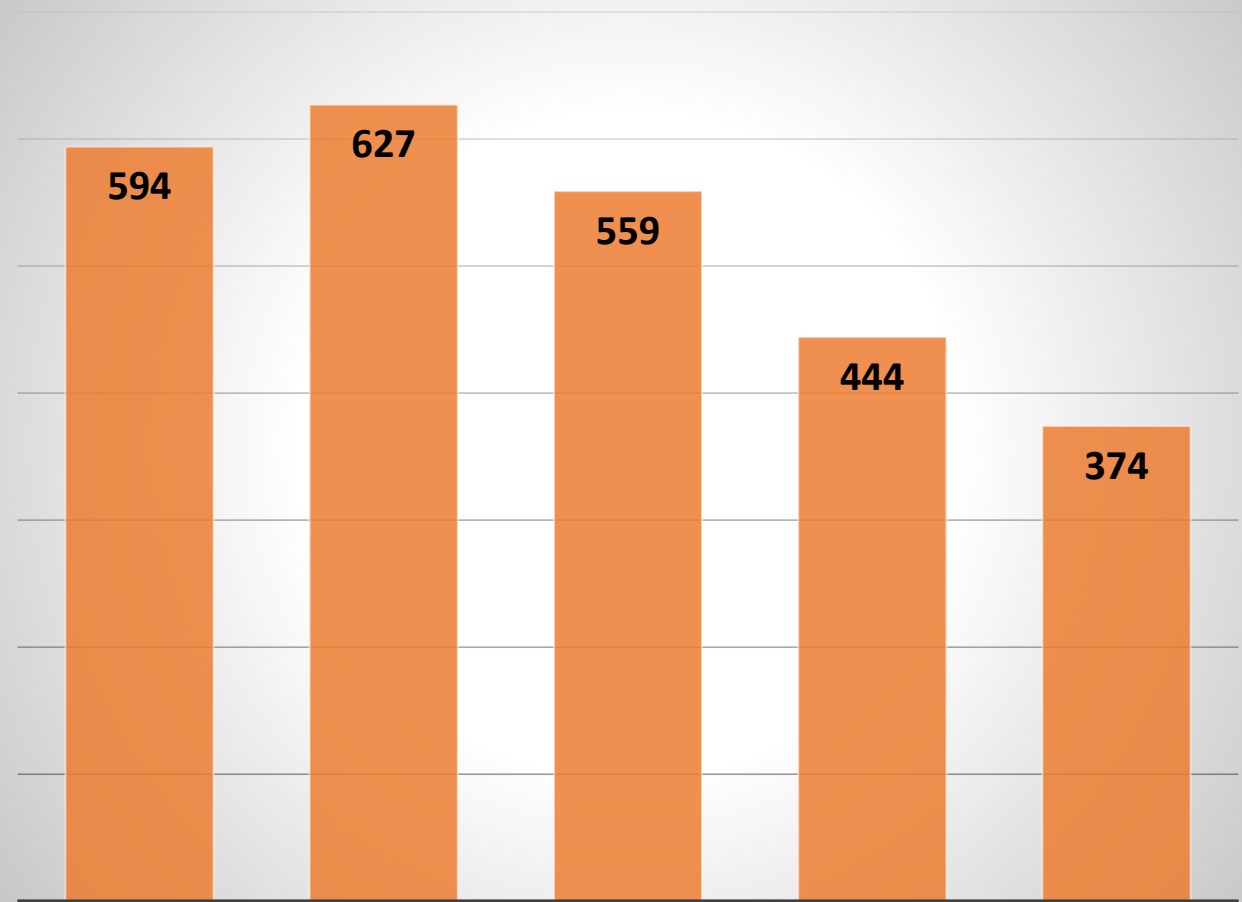


# Operational Procurement – # Contracts/MMSAs

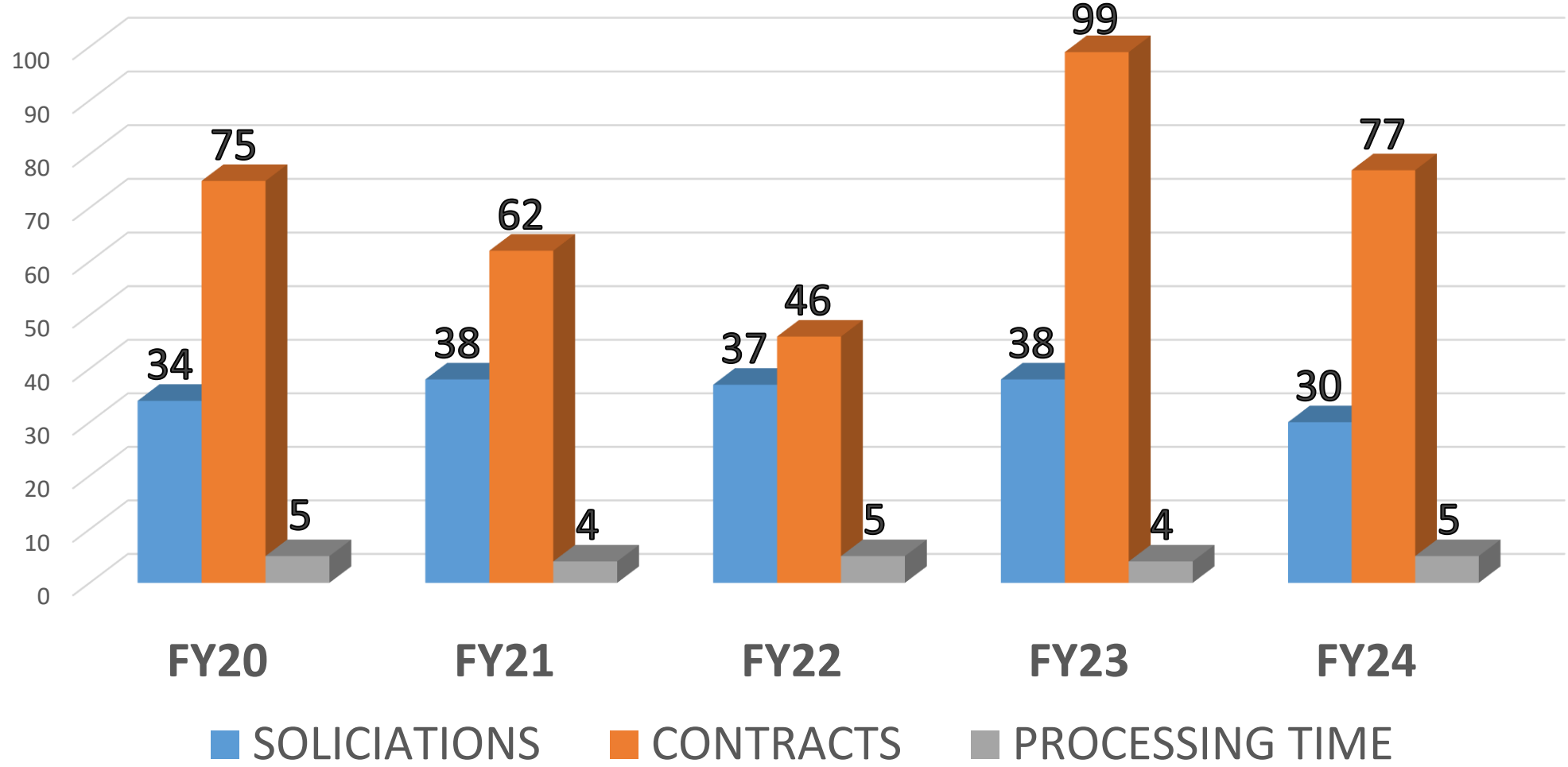
Operations and Maintenance  
# Contracts Available



Total MMSAs



# Operational Procurement – Procurements/Contracts by FY

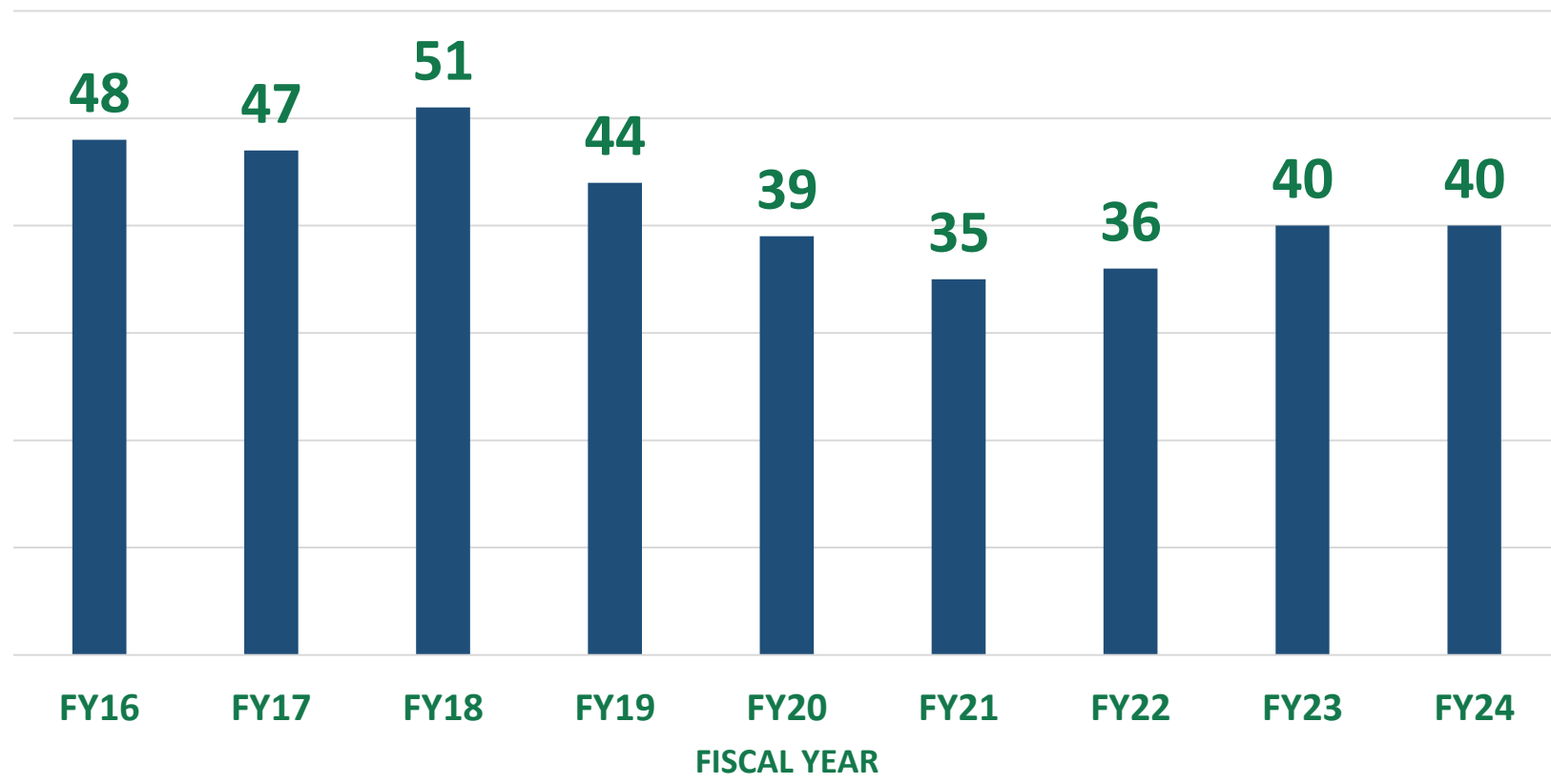


# Operational Procurement – Districts/Maintenance

## Routine Maintenance ITB Process

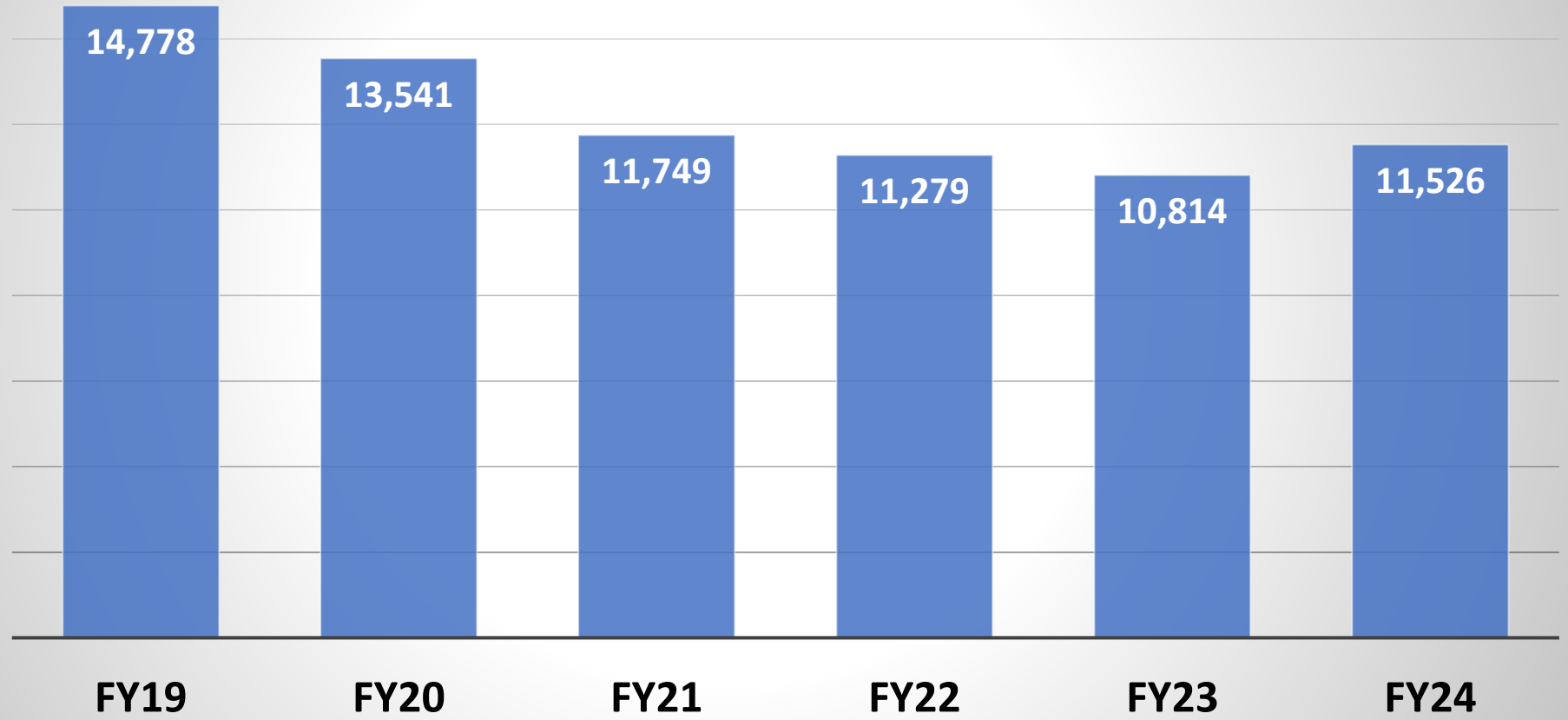
Average Days From Receipt in Procurement to Executed Contract

- Total number of awarded solicitations:  
**1,841**
- Total award amount  
**\$965M**



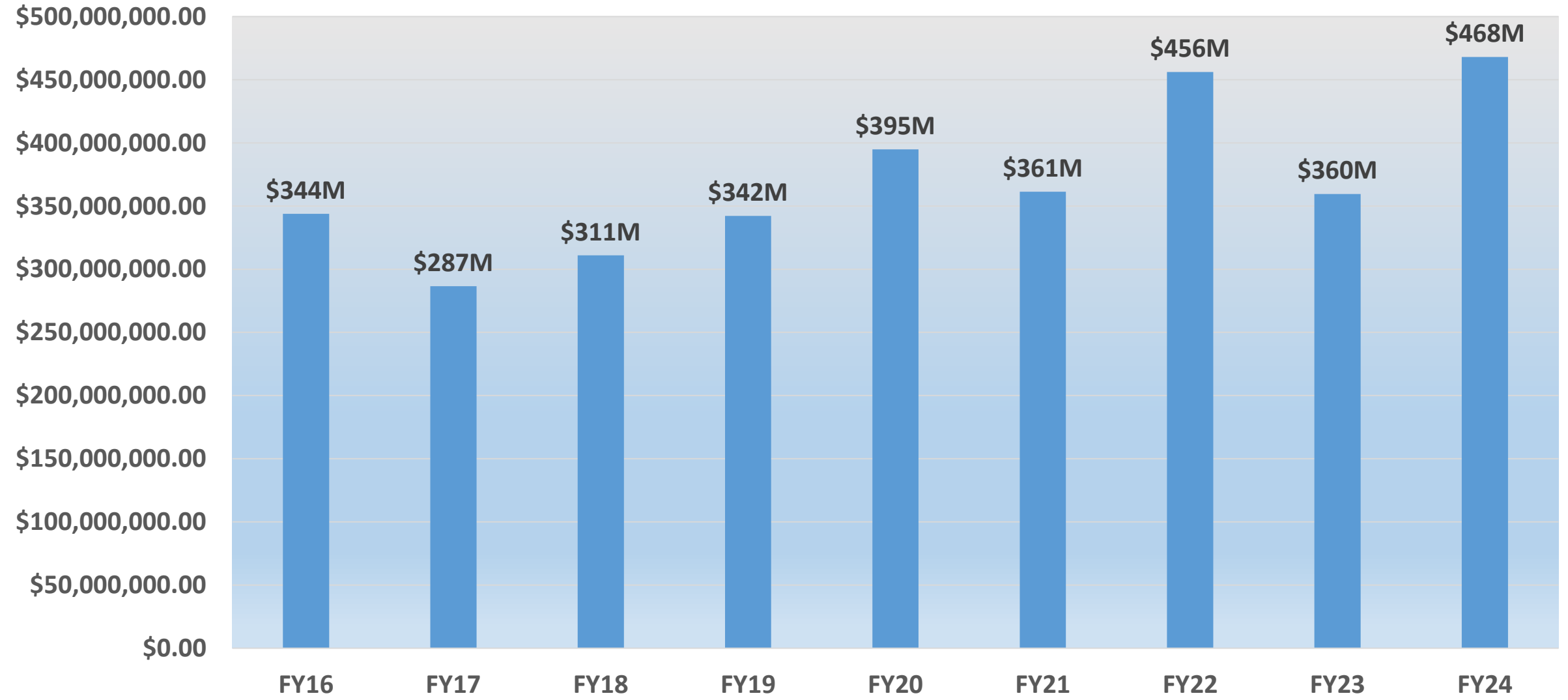
# Operational Procurement - Acquisitions - # of POs

# of Purchase Orders by FY



Average processing time is **1.08** days for FY24

# Operational Procurement - Acquisitions - \$ of POs



# INCLEMENT WEATHER RESPONSE

## Contributions Include Activating:

- Janitorial/Custodials at Welcome Centers/Rest Areas
- Emergency Pcards
- Debris Monitoring
- Debris Disposal
- Fuel
- Event Specific Purchases
- Lodging
- Piggyback Approvals on Contracts for Local Govts

## Lodging Stats for Helene:

- 7 Staff Members
- 144 Calls Placed
- 64 Hours
- 252 Rooms
- \$111,000



## Office of Procurement

# Quality Assurance and Compliance

# Quality Assurance

The biggest hurdle to procurement quality assurance is the understanding of the regulations and procedures.





# FY24 – 51 Classes and 971 Students



## Local Govt Staff

- 4 Classes
- 174 Students



## Non-Procurement Staff

- 32 Classes
- 655 Students



## Procurement Staff

- 15 Classes
- 142 Students

Total of 473 Classes and 7444 Students Taught Since Program Inception



# Questions?



# STATE TRANSPORTATION BOARD

## Legislative Committee

November 20, 2024



# State and Federal Update

**Joshua L. Waller**

**Director of Policy & Government Affairs**

**November 20, 2024**

# November State and Federal Update

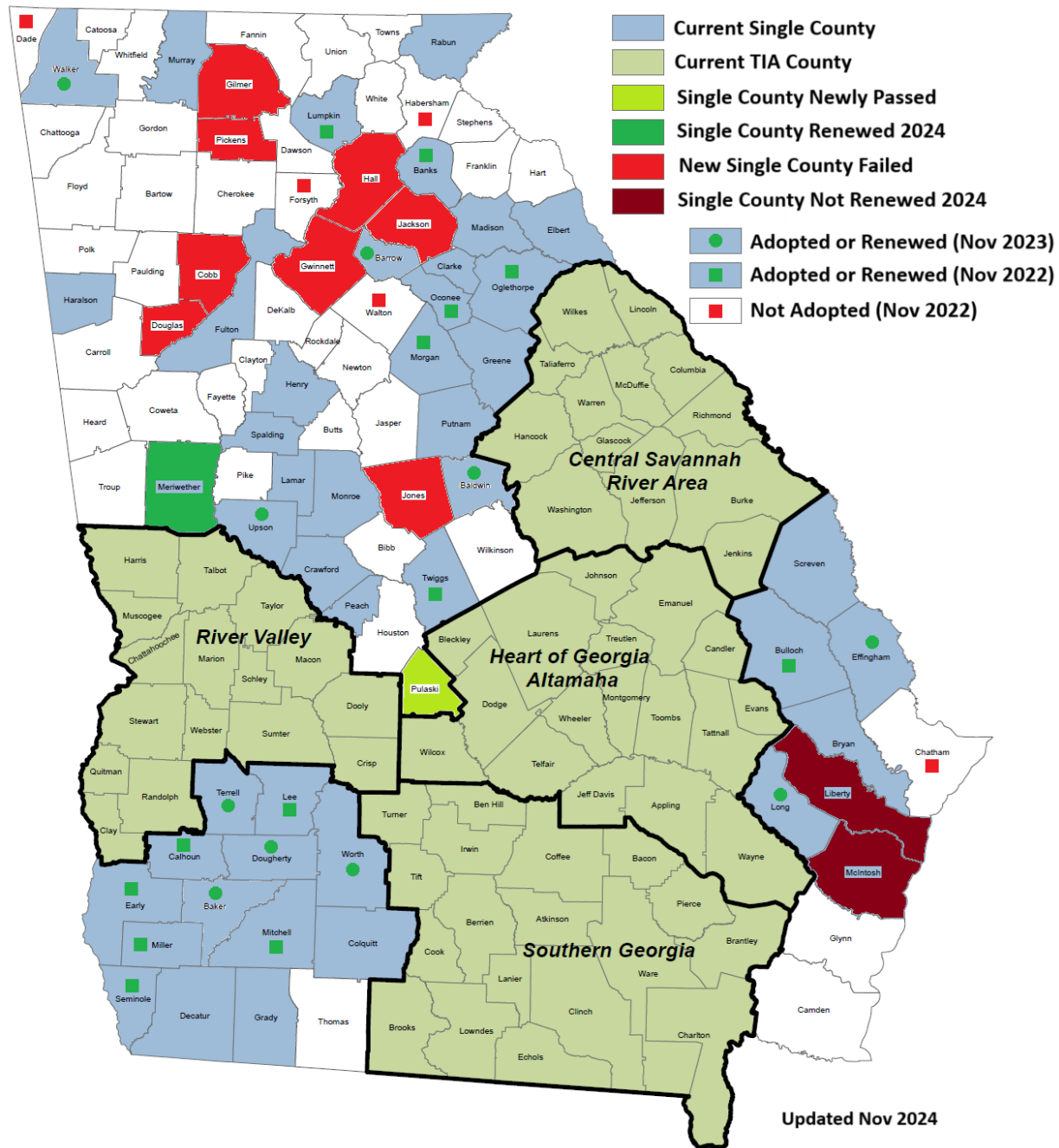
## Presentation Outline

- November 2024 TSPLOST Referenda Results
- Newly Elected Legislators
- 2025 State Legislative Agenda Initial Presentation
- Federal Update

# Georgia County TSPLOSTs Nov 2024 Results

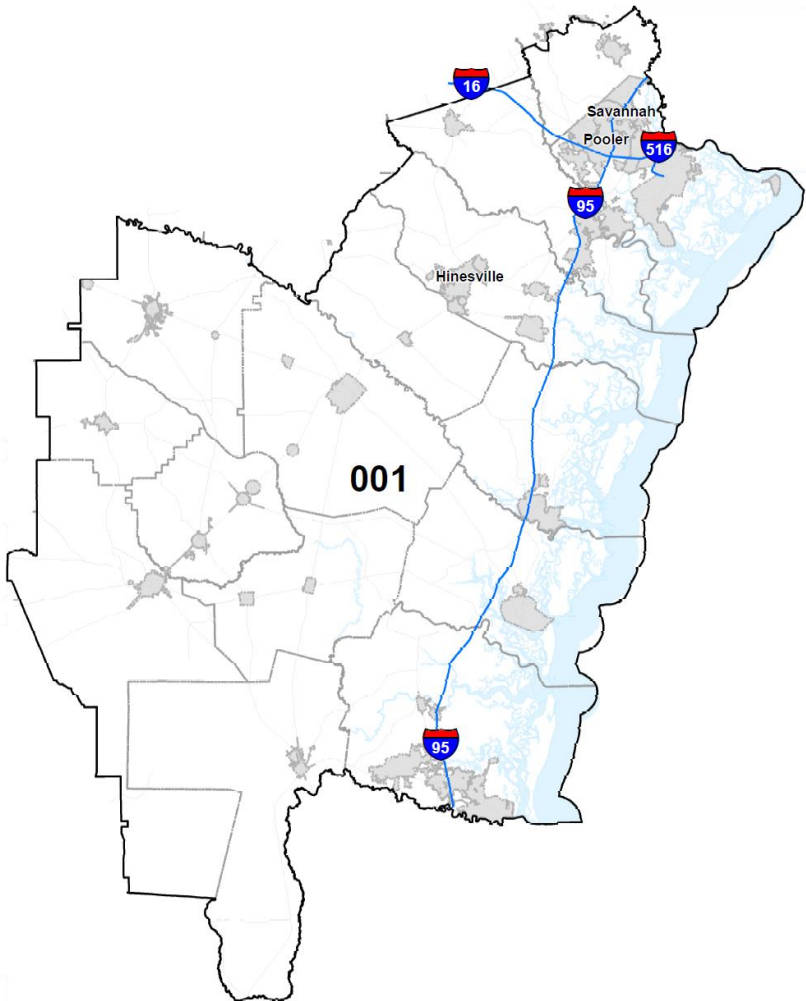
## SPLOST Summary Map

County	Yes	No
Cobb	37.4%	62.7%
Douglas	42.7%	57.3%
Gilmer	42.9%	57.1%
Gwinnett	<b>46.5%</b>	<b>53.5%</b>
Hall	45.6%	54.4%
Jackson	46.6%	53.4%
Jones	47.5%	52.5%
Liberty	<b>47.6%</b>	<b>52.4%</b>
McIntosh	<b>43.3%</b>	<b>56.7%</b>
Meriwether	<b>54.7%</b>	<b>45.3%</b>
Pickens	49.9%	50.1%
Pulaski	<b>59.0%</b>	<b>41.0%</b>



# Newly Elected Legislators

## Congressional District 1



# Newly Elected Legislators

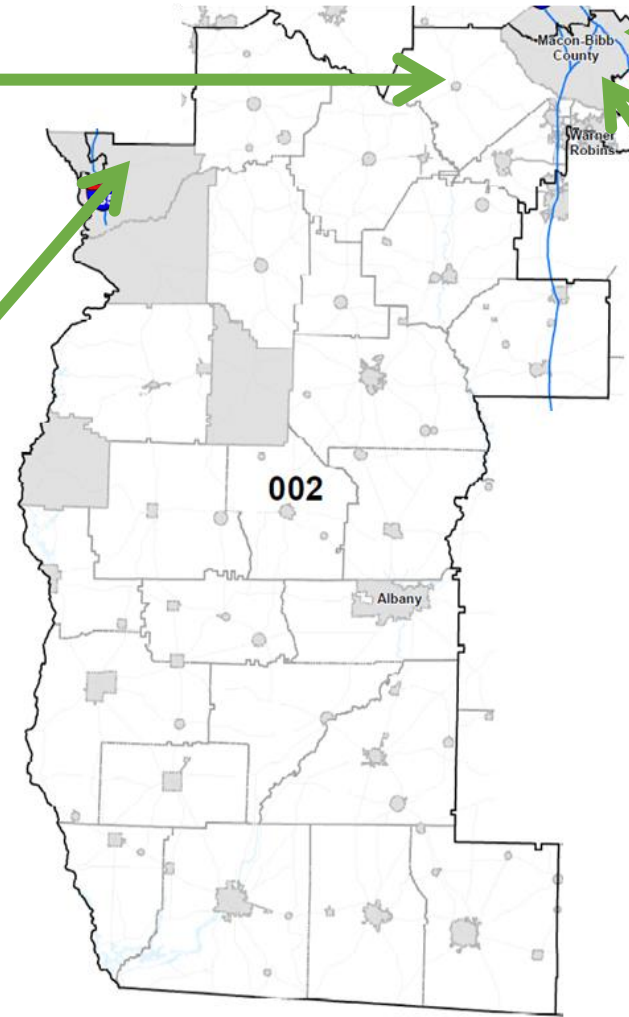
## Congressional District 2



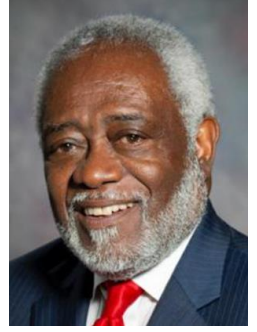
Tangie Herring  
HD-145 (D)



Carmen Rice  
HD-139 (R)



Anissa Jones  
HD-143 (D)



Floyd Griffin  
HD-149 (D)



# Newly Elected Legislators

## Congressional District 3



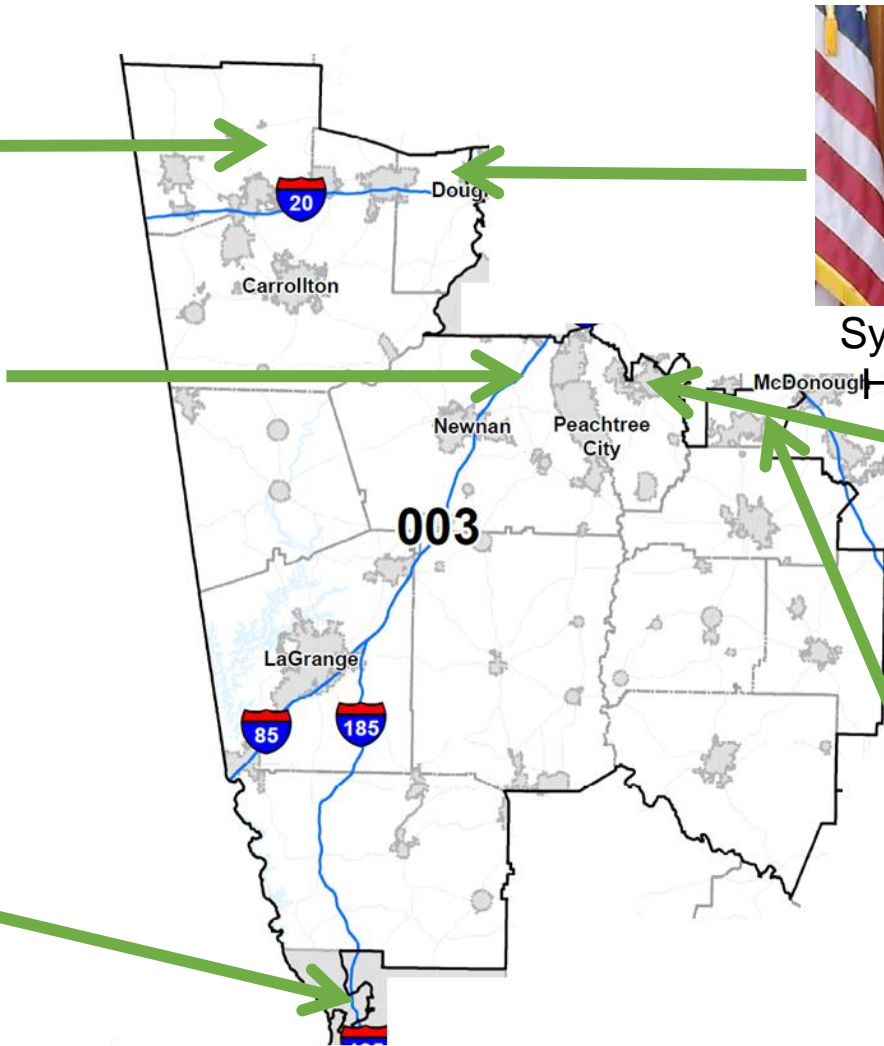
Justin Howard  
HD-71 (R)



Robert Dawson  
HD-65 (D)



Carmen Rice  
HD-139 (R)



Sylvia Baker  
HD-64 (D)



Brian Jack  
CD-3 (R)



Kenya Wicks  
SD-34 (D)



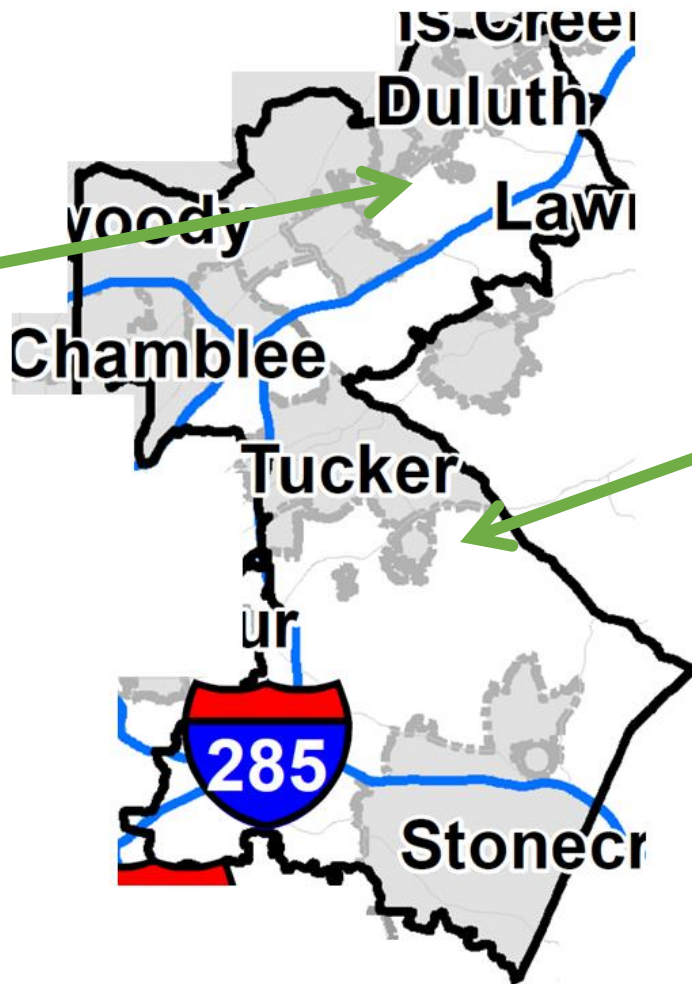
Robert Flournoy  
HD-74 (D)

# Newly Elected Legislators

## Congressional District 4



Arlene Beckles  
HD-96 (D)



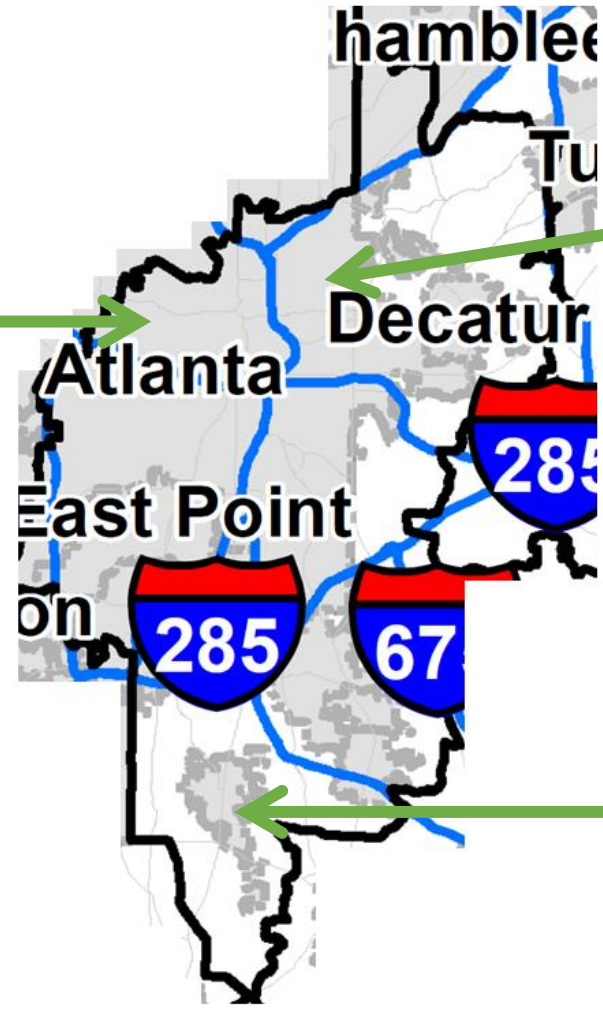
Randal Mangham  
SD-55 (D)

# Newly Elected Legislators

## Congressional District 5



Rashuan Kemp  
SD-38 (D)



Bryce Berry  
HD-56 (D)



Kenya Wicks  
SD-34 (D)

# Newly Elected Legislators

## Congressional District 6



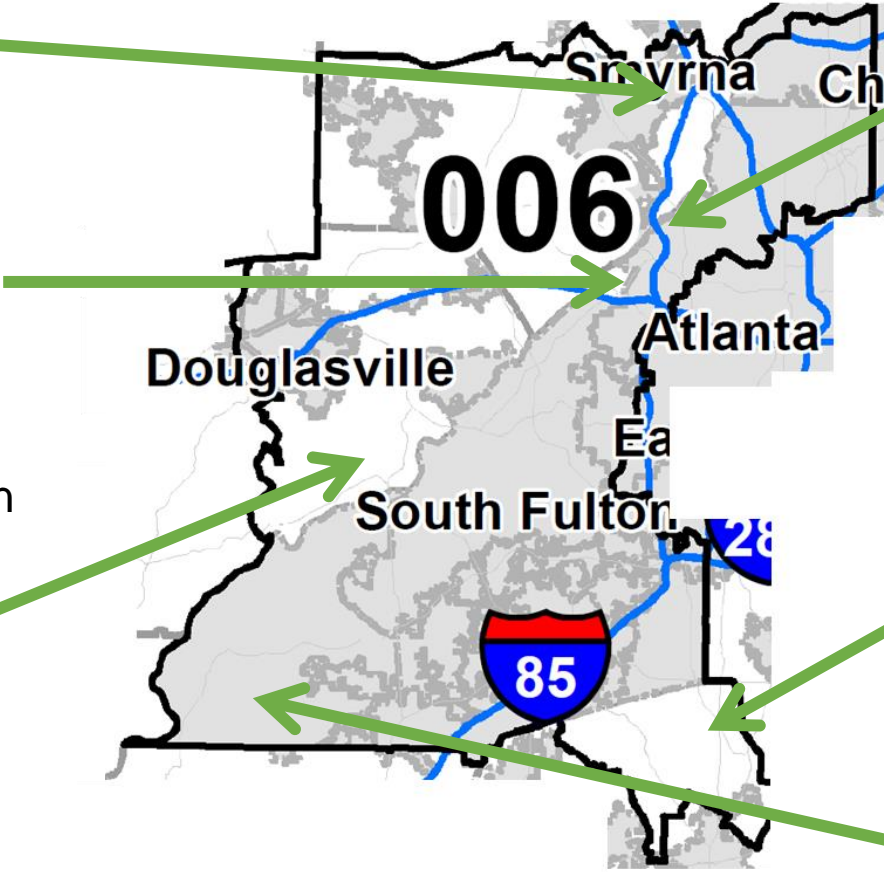
Gabriel Sanchez  
HD-42 (D)



Mekyah McQueen  
HD-61 (D)



Sylvia Baker  
HD-64 (D)



Rashuan Kemp  
SD-38 (D)



Kenya Wicks  
SD-34 (D)



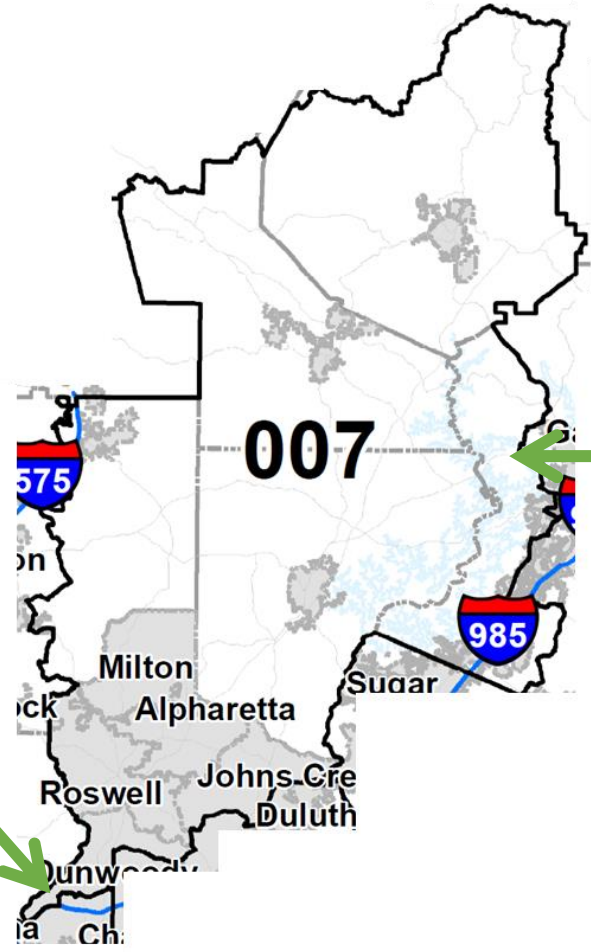
Robert Dawson  
HD-65 (D)

# Newly Elected Legislators

## Congressional District 7



Rashuan Kemp  
SD-38 (D)



Drew Echols  
SD-49 (R)

# Newly Elected Legislators

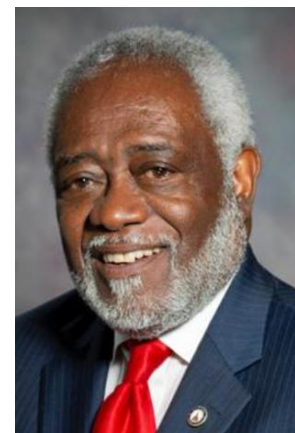
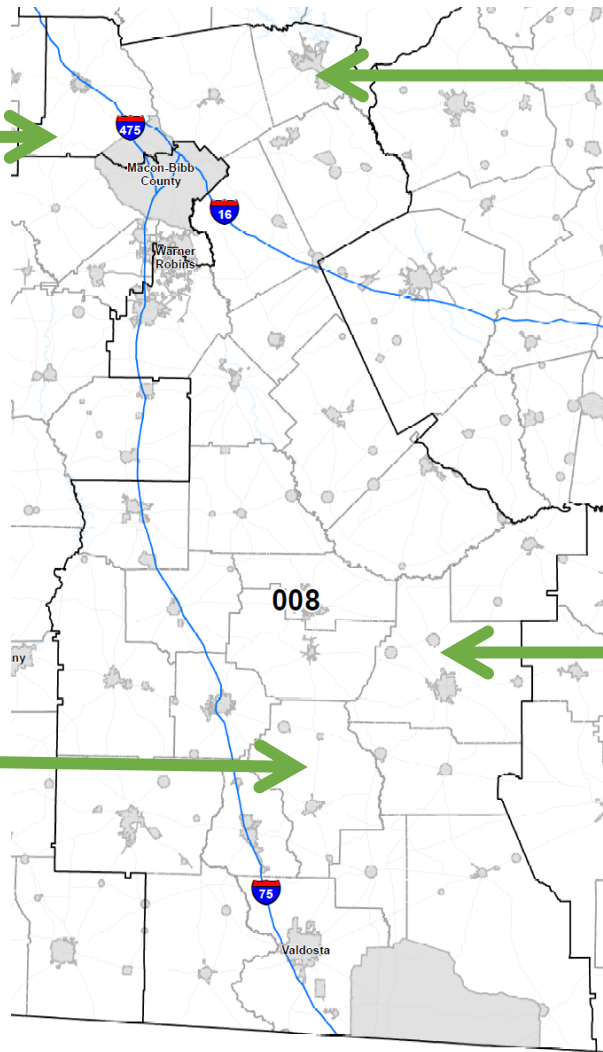
## Congressional District 8



Tangie Herring  
HD-145 (D)



Jaclyn Ford  
HD-170 (R)



Floyd Griffin  
HD-149 (D)



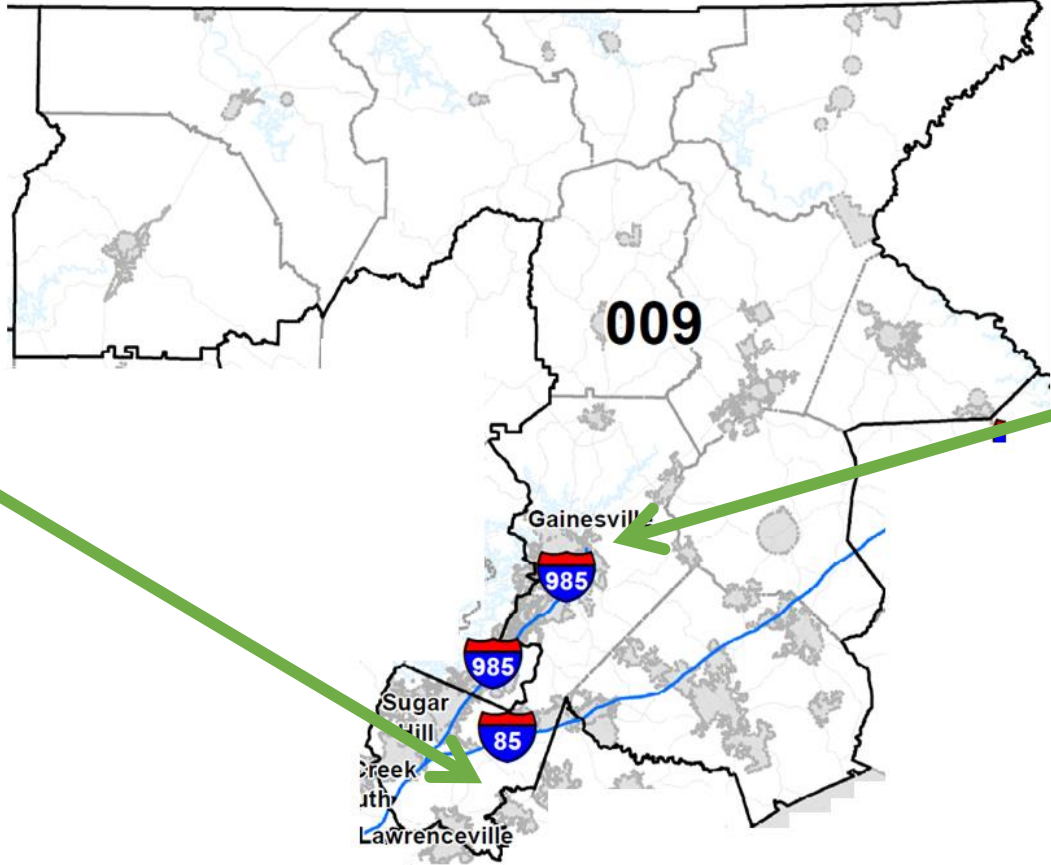
Angela O'Steen  
HD-169 (R)

# Newly Elected Legislators

## Congressional District 9



Sandy  
Donatucci  
HD-105 (R)



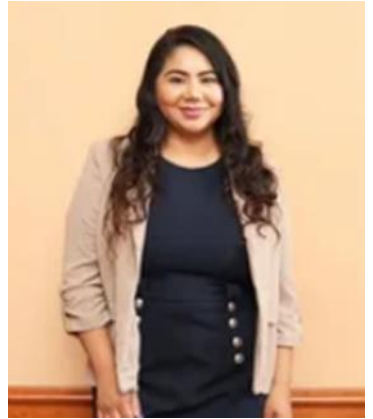
Drew Echols  
SD-49 (R)

# Newly Elected Legislators

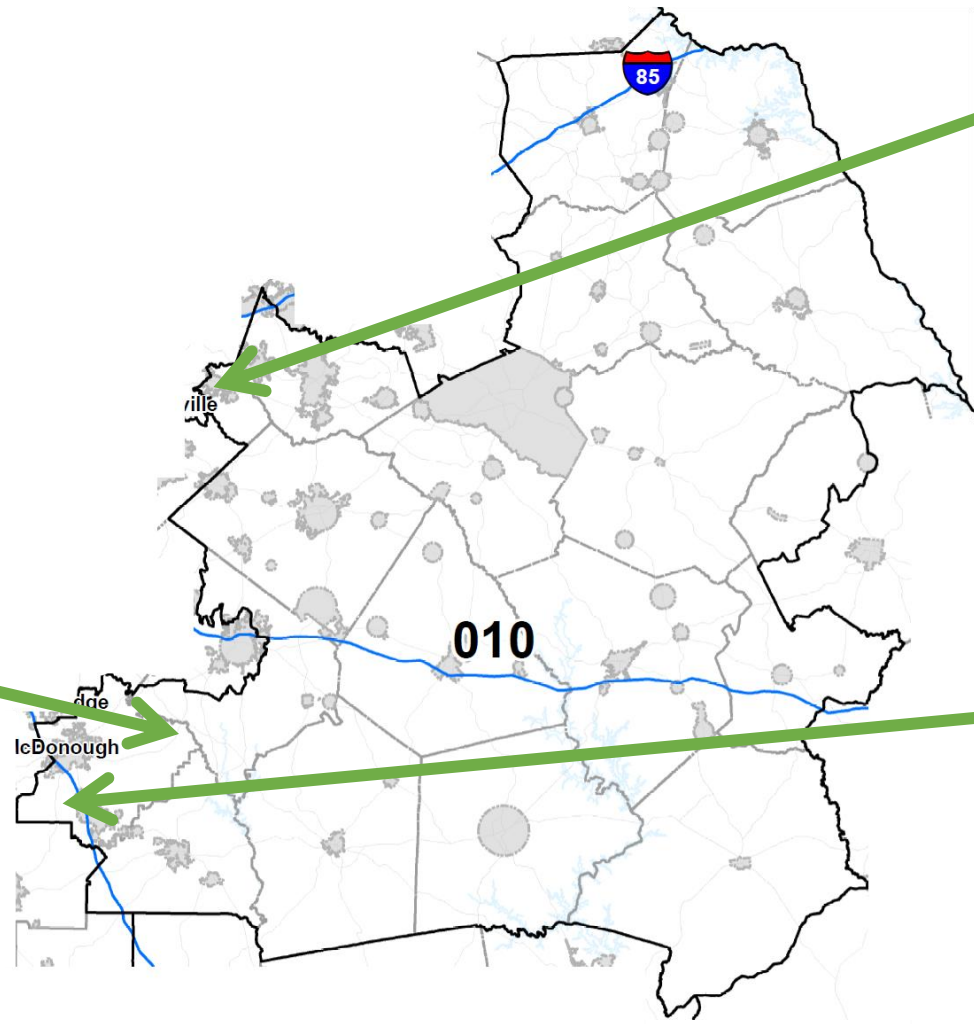
## Congressional District 10



Sandy  
Donatucci  
HD-105 (R)



Mary Ann Santos  
HD-117 (D)



Noelle Kahaian  
HD-81 (R)

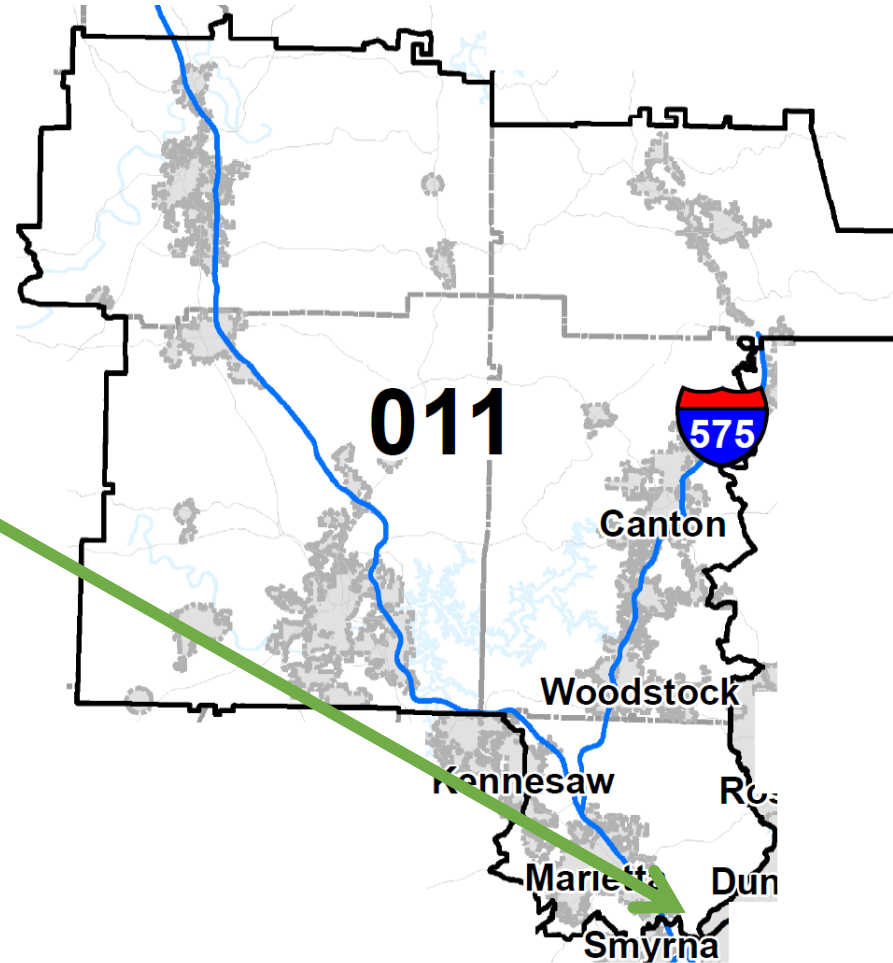


# Newly Elected Legislators

## Congressional District 11



Gabriel Sanchez  
HD-42 (D)

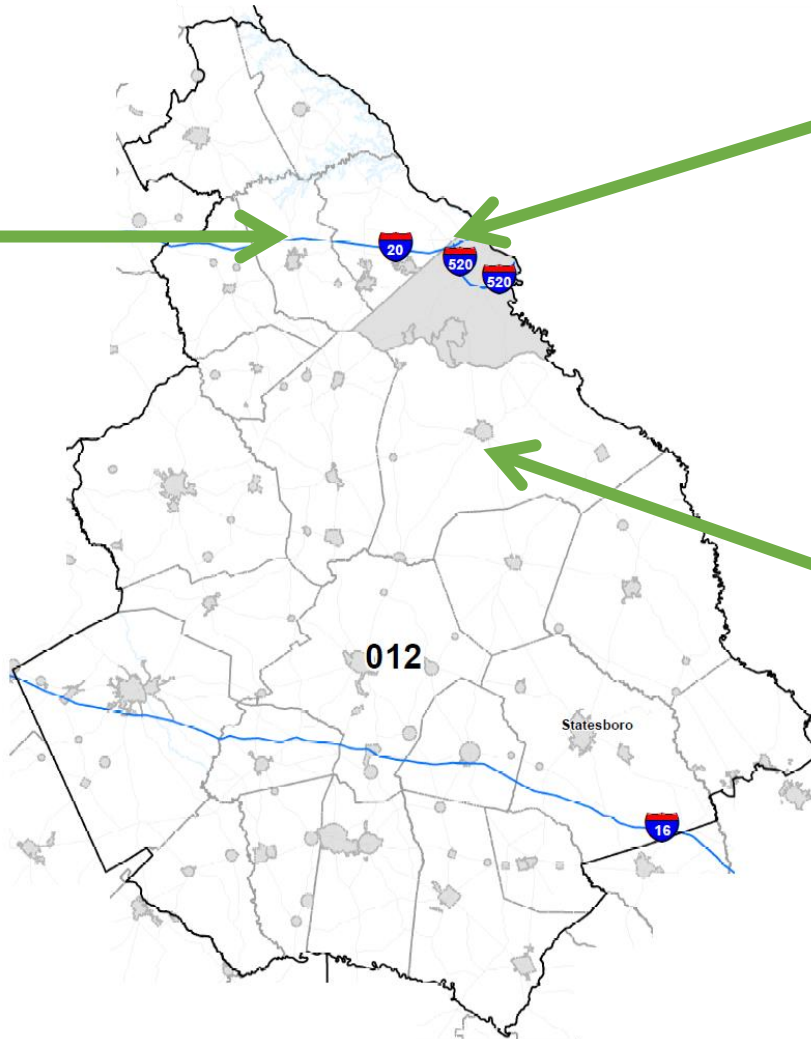


# Newly Elected Legislators

## Congressional District 12



Gary Richardson  
HD-125 (R)



Rob Clifton  
HD-131 (R)



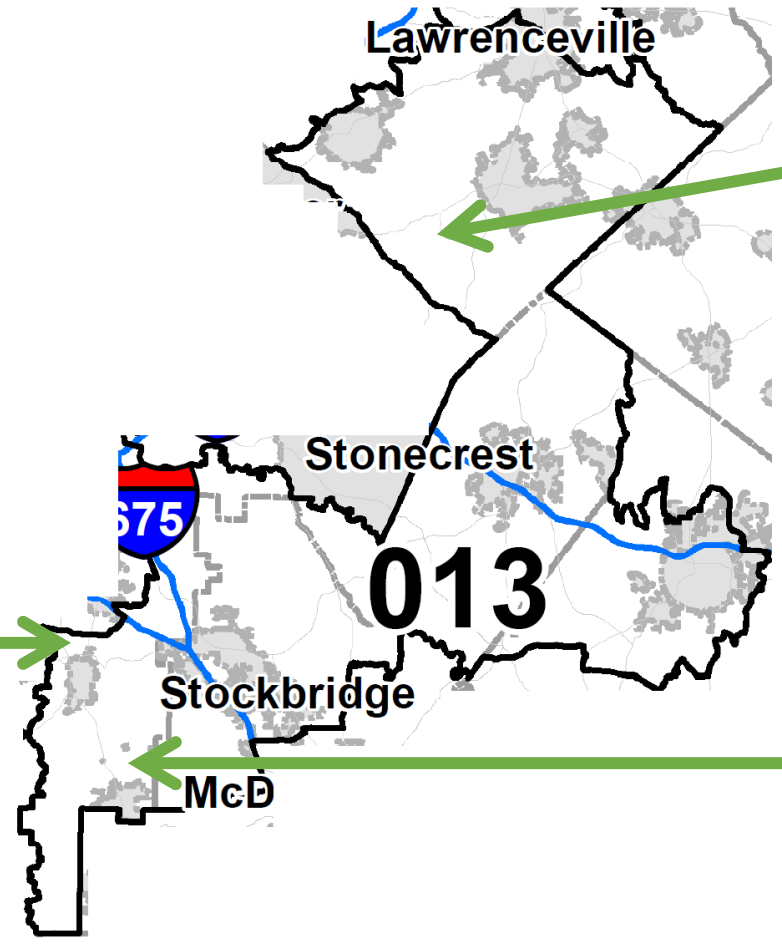
L C Myles, Jr.  
HD-126 (D)

# Newly Elected Legislators

## Congressional District 13



Kenya Wicks  
SD-34 (D)



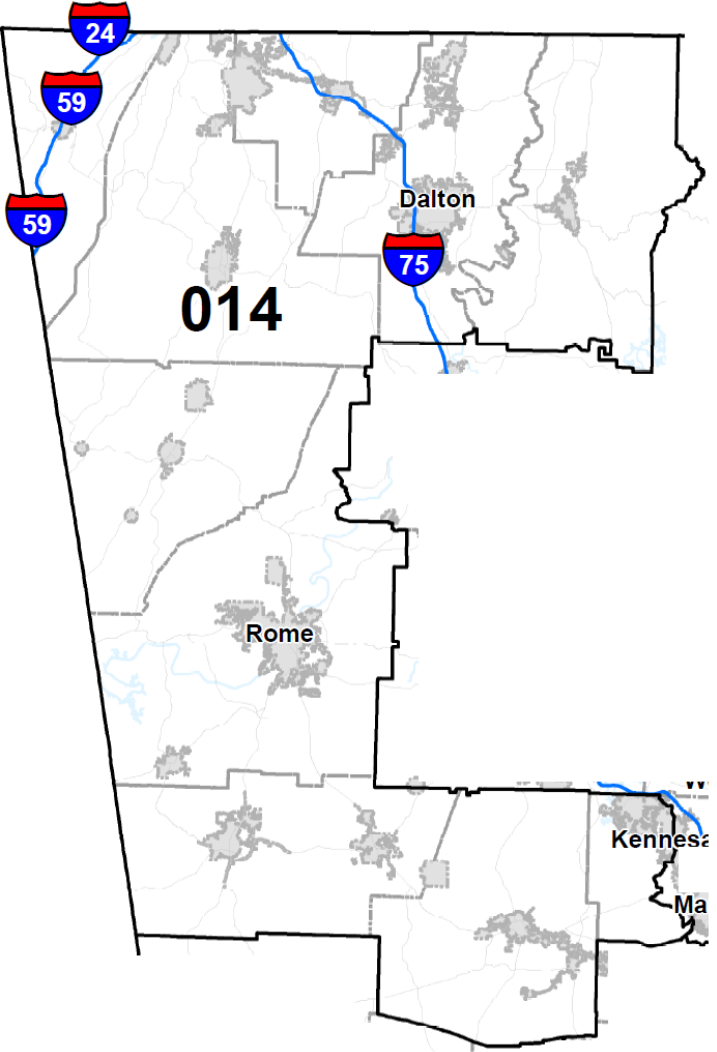
Randal Mangham  
SD-55 (D)



Robert Flournoy  
HD-74 (D)

# Newly Elected Legislators

## Congressional District 14



# General Assembly 2025-2026 Leadership

## Georgia House of Representatives



Speaker Jon Burns



Jan Jones  
Speaker Pro  
Temp



Chuck Efstration  
Majority Leader



James Burchett  
Majority Whip



Carolyn Hugley  
Minority Leader



Sam Park  
Minority Whip



Saira Draper  
Minority Deputy  
Whip



Bruce Williamson  
Majority Caucus  
Chairman



Houston Gaines  
Majority Caucus  
Vice Chairman



Ginny Ehrhart  
Majority Caucus  
Treasurer



Tanya Miller  
Minority Caucus  
Chair



Spencer Frye  
Minority Caucus  
Vice Chair



Park Cannon  
Minority Caucus  
Secretary



Solomon  
Adesanya  
Minority  
Caucus  
Treasurer

# General Assembly 2025-2026 Leadership

## Georgia Senate



John F. Kennedy  
President Pro  
Temp



Steve Gooch  
Majority Leader



Randy Robertson  
Majority Whip



Harold Jones II  
Minority Leader



Kim Jackson  
Minority Whip



Elena Parent  
Minority Caucus  
Chair



Jason Anavitarte  
Majority Caucus  
Chairman



Matt Brass  
Majority Caucus  
Vice Chairman



Larry Walker III  
Majority Caucus  
Secretary



Sonya Halpern  
Minority Caucus  
Vice Chair



Jason Esteves  
Minority Caucus  
Finance Chair



Nan Orrock  
Minority Caucus  
Secretary

# 2025 GDOT Legislative Agenda Consideration

## Proposed Statutory Amendments

- Enumerate in statute the structure of GDOT's Towing Recovery and Incentive Program (TRIP).
- For GDOT right-of-way acquisition and negotiation, clarify the agent/point of contact for common property governed by an owners' association.
- Update the timing and format of public meeting notices to reflect changes in local newspaper publishing frequency.



## Federal Update



# Current & Recent Continuing Resolutions (CR) Timelines

## Federal FY20 to FY25 CR/Appropriations Enactment Timelines

FFY25	1			*Current CR Expires December 20th								
FFY24	1	2		3	*Enacted on March 9th							
FFY23	1		2	3	*Enacted on December 29th							
FFY22	1		2		3	4	*Enacted on March 15th					
FFY21	1		2	3	4	5	*Enacted on December 27th					
FFY20	1	2		*Enacted on December 20th								
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept

Continuing Resolution

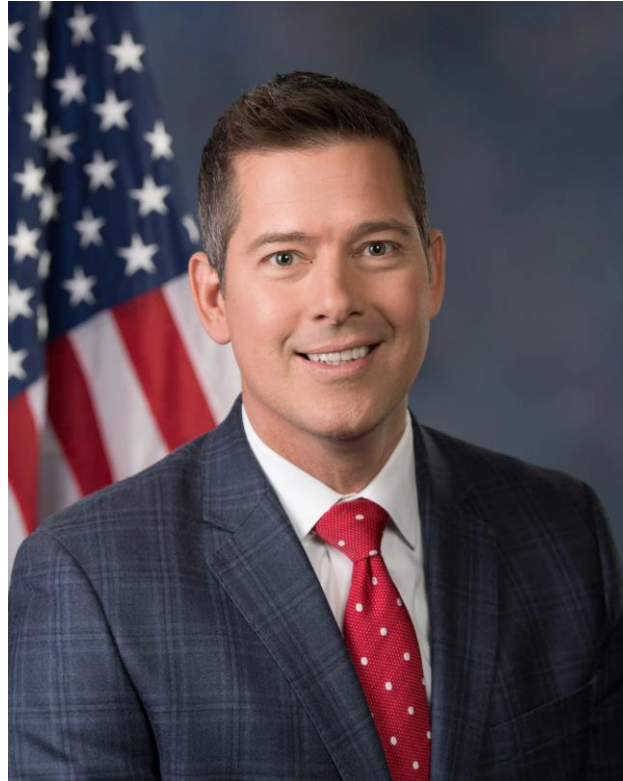
Full Year Appropriations

# 2024 Congressional Calendar Remaining



November							December						
S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2	1	2	3	4	5	6	7
3	4	5	6	7	8	9	8	9	10	11	12	13	14
10	11	12	13	14	15	16	15	16	17	18	19	20	21
17	18	19	20	21	22	23	22	23	24	25	26	27	28
24	25	26	27	28	29	30	29	30	31				
<b>House in Session</b>							<b>Senate in Session</b>						

# U.S. Secretary of Transportation Nominee



**Sean Duffy**  
**Former U.S. Congressman (WI)**

THANK  
**YOU**



Georgia **Your**  
**Dollar\$**  
**Building**  
**A Better**  
**Georgia**





# STATE TRANSPORTATION BOARD

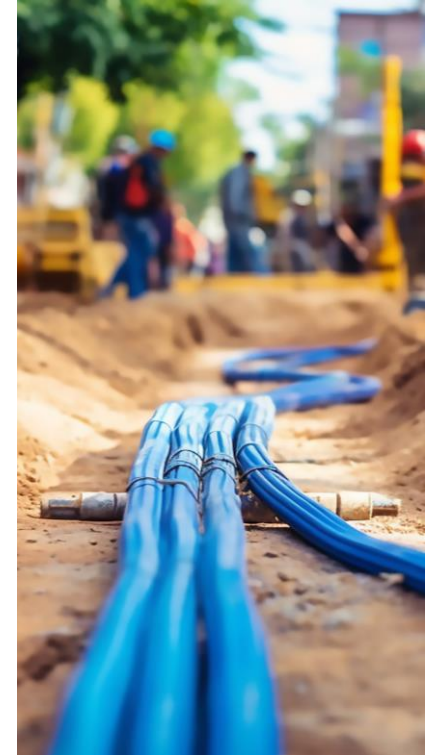
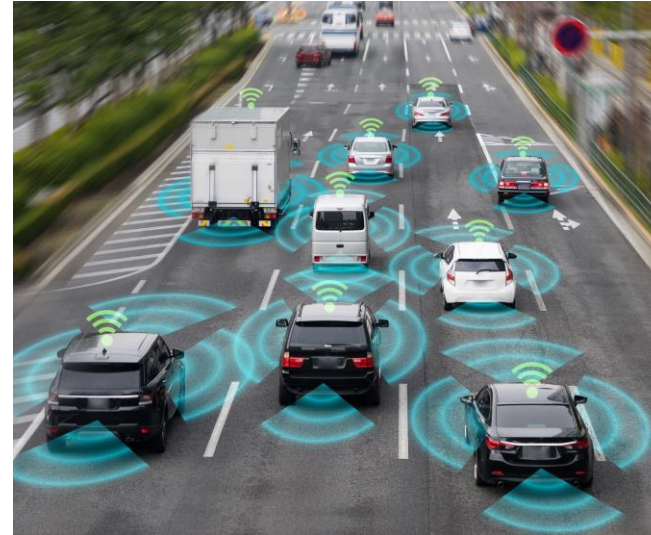
## P3 Committee

November 20, 2024



# Statewide Broadband Operations, Maintenance, and Commercialization (OMC) Project PI 0015924

Andrew Heath, P.E.  
Deputy Chief Engineer  
November 20, 2024



# Background

## Hurricane Irma

- **September 2017**
- At the time, the **most powerful** Atlantic Ocean hurricane in recorded history
- A record **6.5M** Floridians evacuated
- Over **500K** on GA coast received evacuation orders
- **Contraflow** lane reversal took effect on I-16

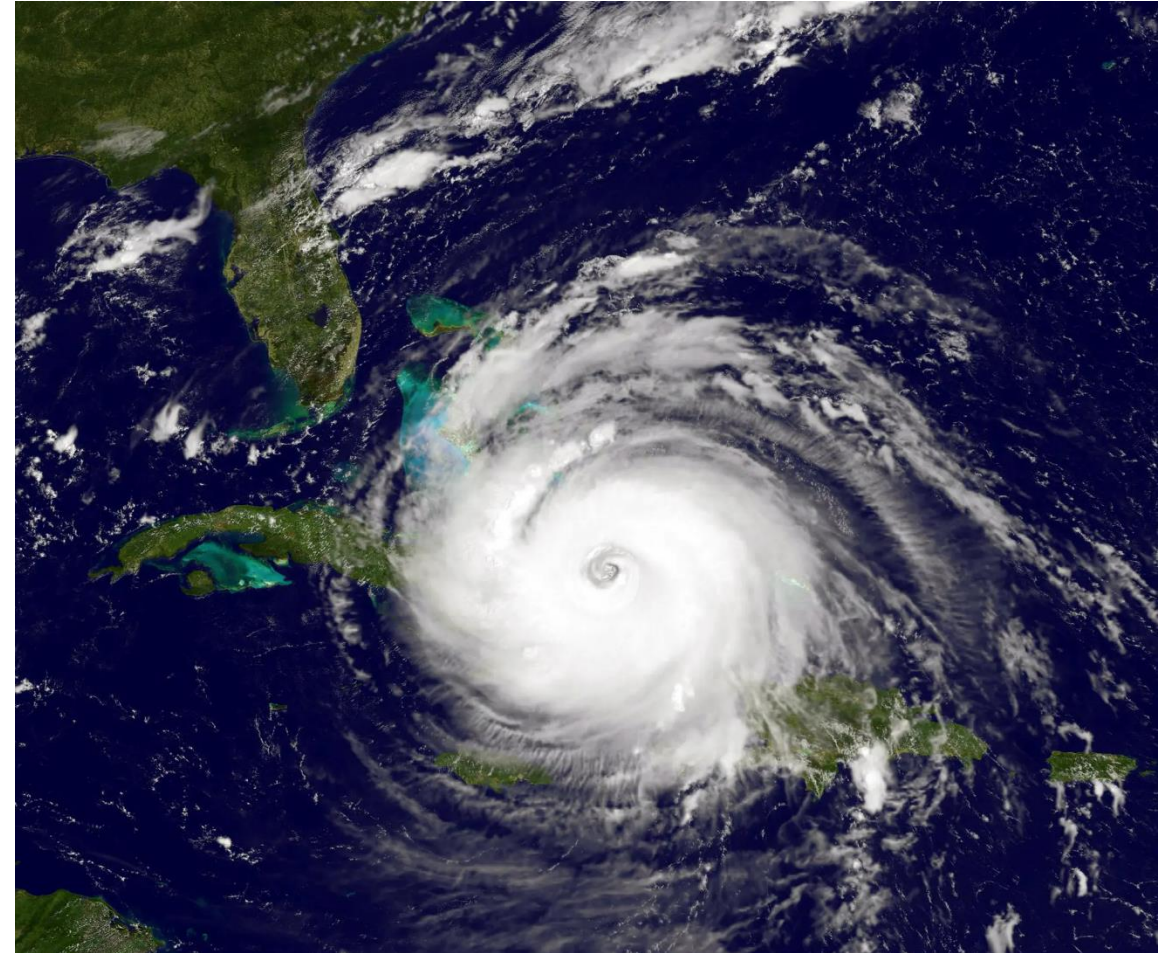


Photo credit: NOAA

# Background



Photo credit (left, right top, right bottom): ABC News



# Background

**COVID-19** highlighted the **importance** of internet access



Remote work  
and education



Healthcare and  
telemedicine



Public health  
information



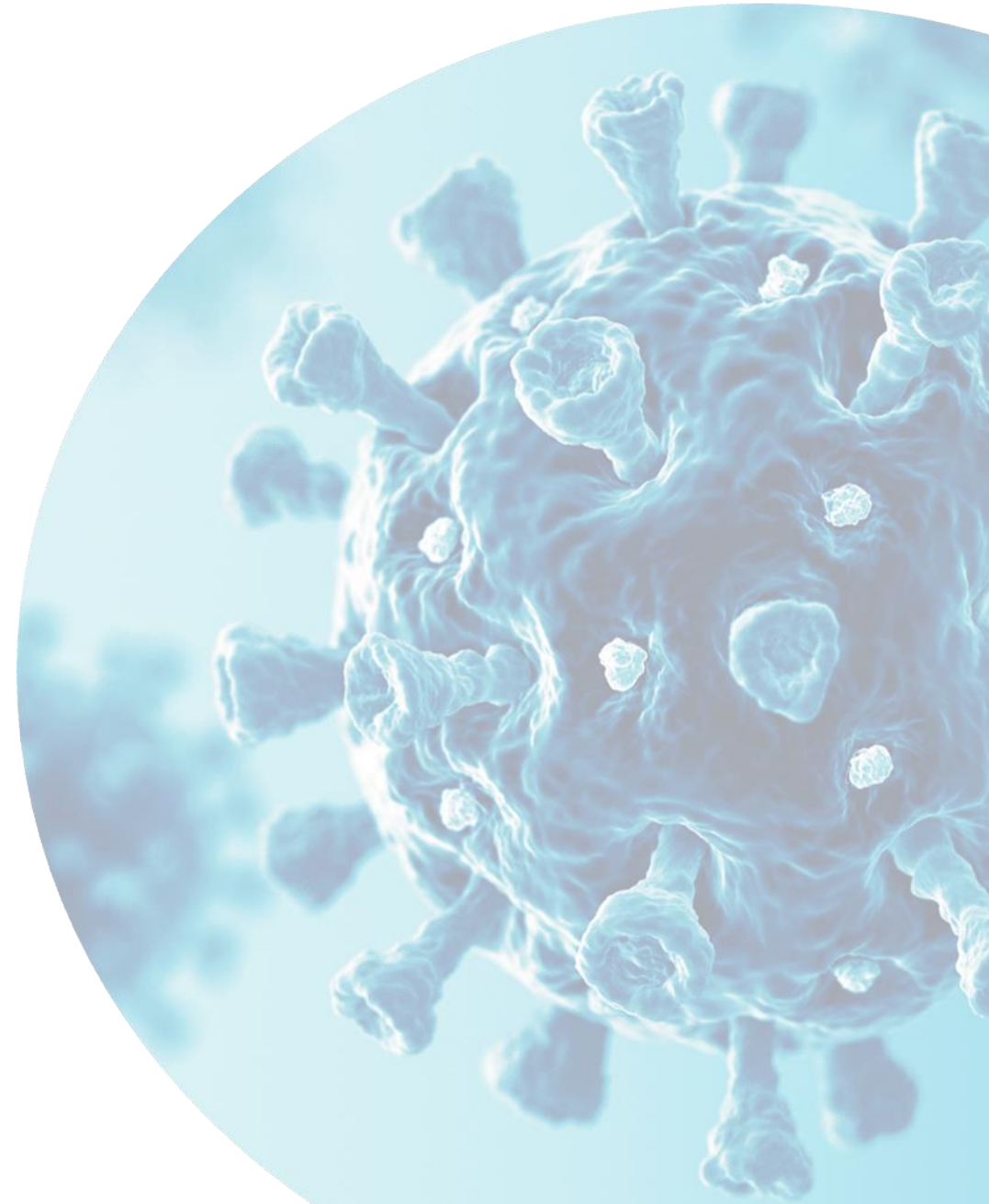
Social  
Connectivity



Economic  
stability

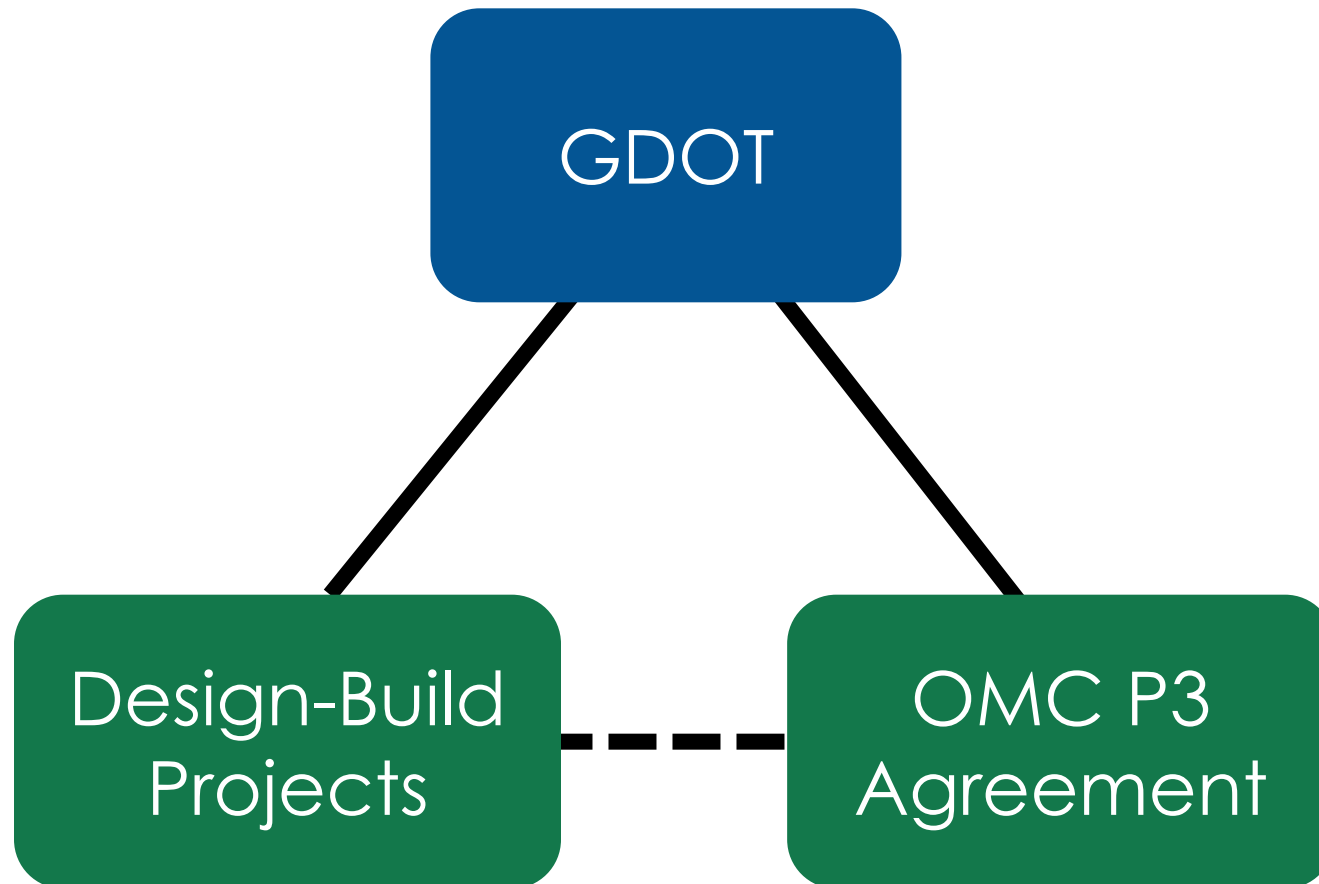


Access to  
services



# Background

The Georgia DOT Broadband Program consists of two distinct but related elements.



# Broadband Program Overview

**A series of Design-Build projects** is being used to construct a Statewide Broadband Network within limited access ROW dedicated to Georgia DOT traffic operations (GDOT Network) with additional capacity for commercialization (Commercial Network)

**An Operate-Maintain-Commercialize (OMC) contractor** will be procured to undertake:

- Maintenance of the GDOT Network constructed via the Design-Build projects
- Operations, maintenance, and commercialization of the Commercial Network



## GDOT Network:

- Georgia DOT will have two conduits for its operations

## Commercialization Network:

- Total of five conduits are designated for commercialization as more fully explained in the OMC Agreement
- One conduit will have 288 strands of fiber, and four empty micro-ducts/conduits are available for commercialization services by the OMC Contractor

# Design-Build Projects Overview

## Awarded Projects:

Design-Build #1  
PI# 0019550      Status: NTP 3 (Construction)  
Approximately 322 miles

Design-Build #2  
PI# 0019551      Status: NTP 1 (Pre-Design)  
Approximately 215 miles

## In Development:

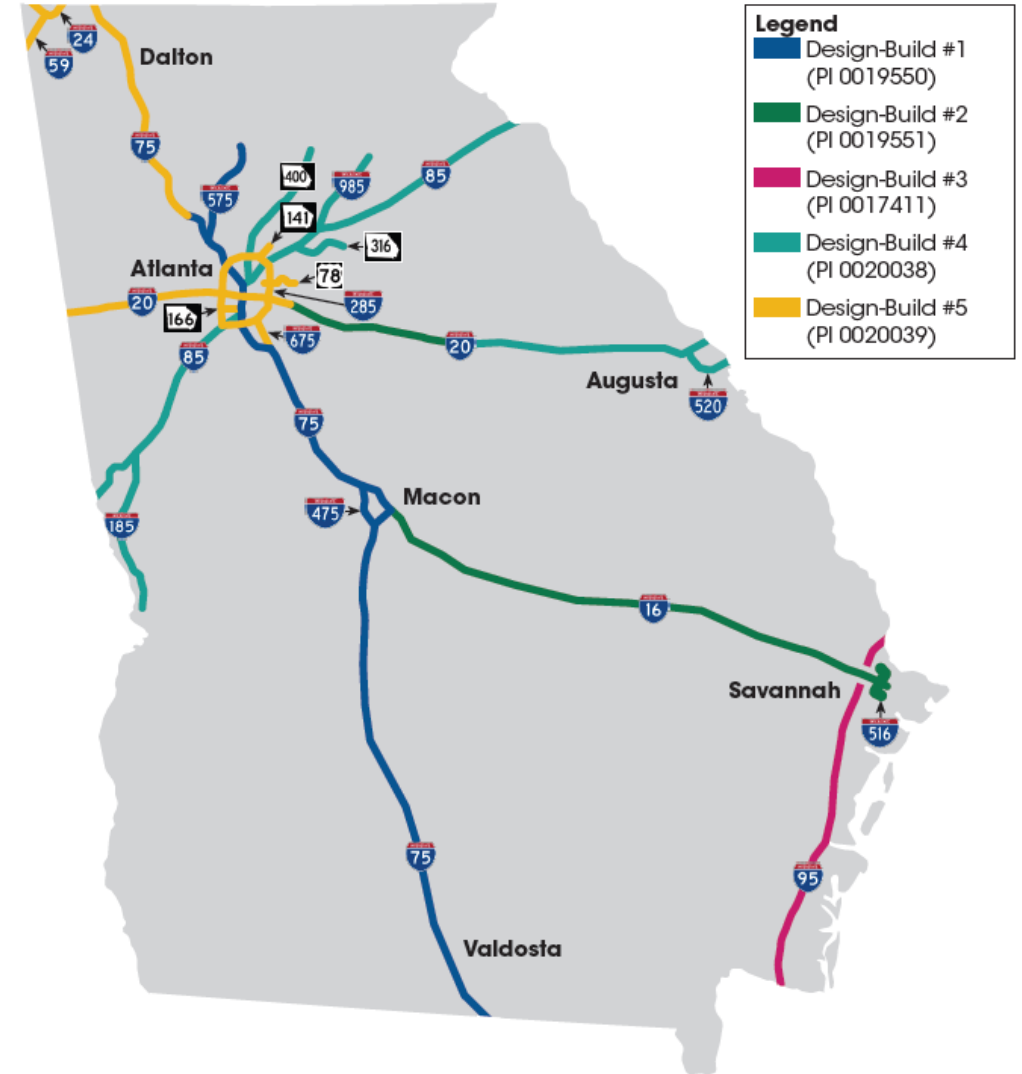
Design-Build #3  
PI# 0017411      Status: In Development  
Approximately 112 miles

## Future Programmed Projects:

Design-Build #4  
PI# 0020038      Status: Programmed

Design-Build #5  
PI# 0020039      Status: Programmed

**Up to 1,400 miles total!**



# OMC Project Overview

## Key considerations

- **A P3 Procurement**
- **25-year** base contract
- **Procurement timeline** structured to onboard OMC Contractor in time for asset acceptance of Design-Build #1 by Georgia DOT
- The OMC Contractor will maintain the broadband network infrastructure dedicated to GDOT's use and will operate, maintain, and commercialize the broadband network dedicated to commercial use.
- OMC Contractor will provide revenue payments to Georgia DOT based on the commercial revenue derived from their commercialization of the network for re-investment into ITS network.



# Networks – Key Assumptions

## Commercial Network



O&M and commercialization services for Design-Build projects



OMC may request additional services connections as set forth more fully in the UAM pursuant to special encroachment permits and utility permits



Share of net revenues for the Project flow back to Georgia DOT



Open access network with non-discriminatory pricing



Compliance with FCC requirements



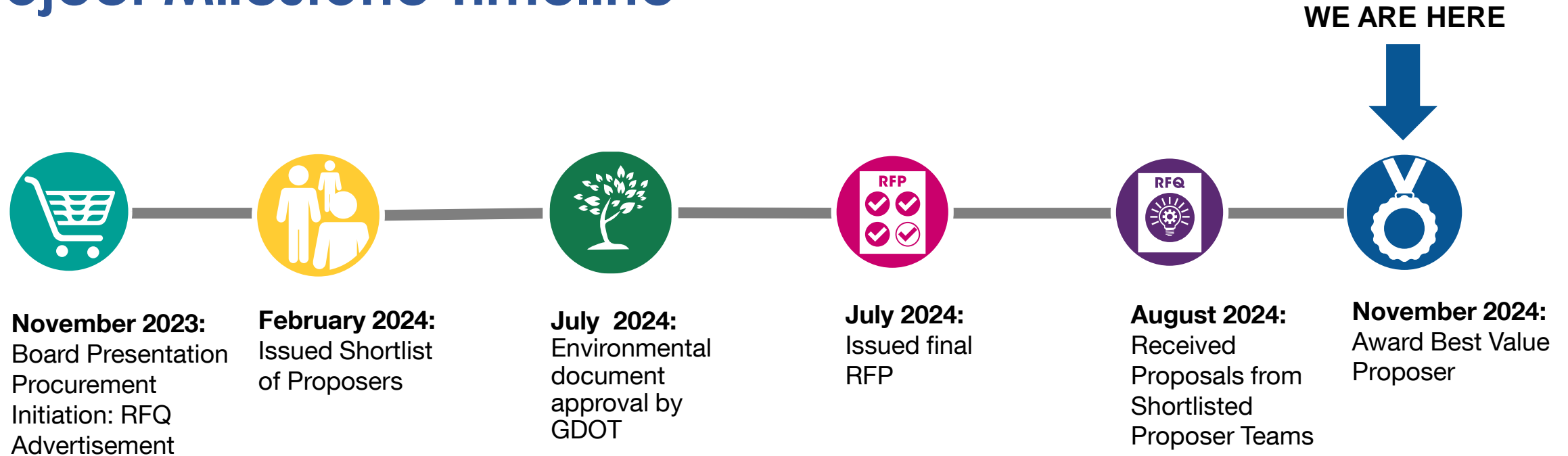
Maintenance and Operation of Commercial network, funded by commercial revenues, not paid by Georgia DOT

## GDOT Network



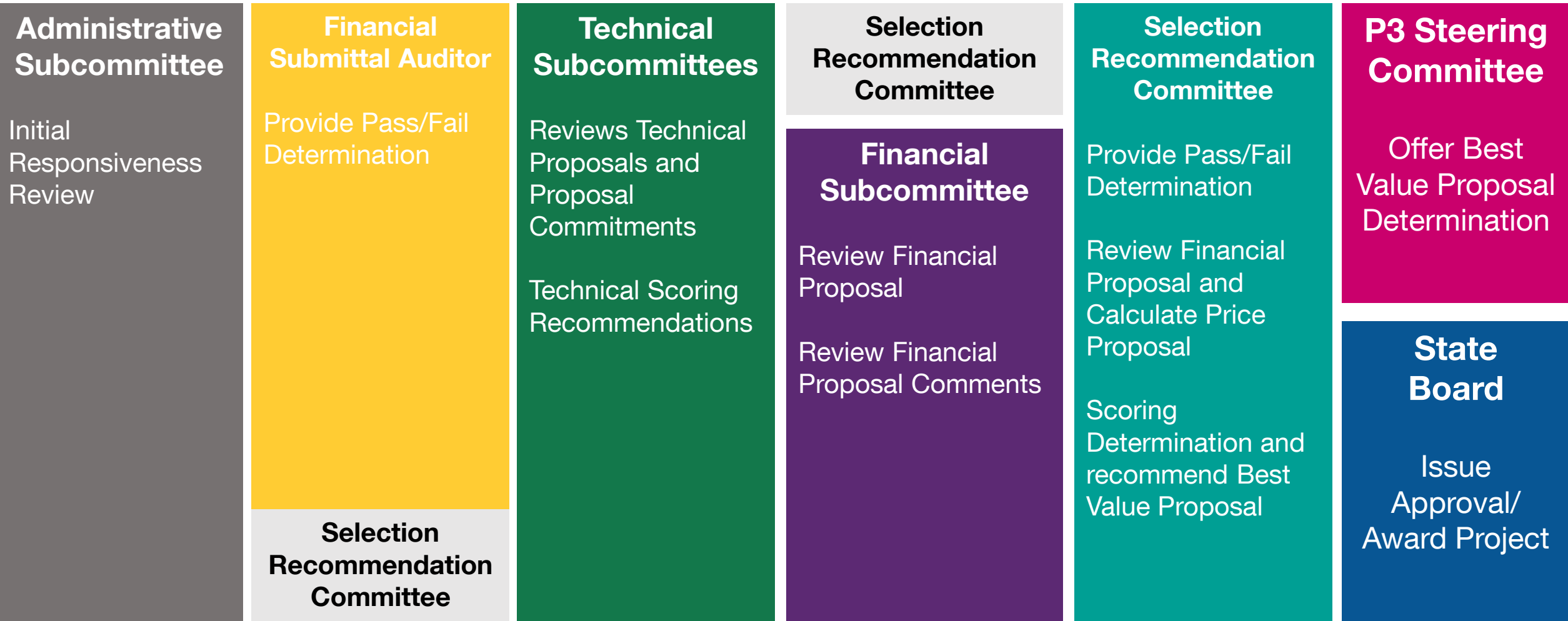
Maintenance of fiber only, paid by Georgia DOT

# Project Milestone Timeline



**Continuous Coordination with Project Stakeholders**

# Committees & Proposal Evaluation Process





# RFP: Technical & Financial Submittals



Project Administrative  
Approach



Quality Management  
and Safety Approach



GDOT Infrastructure  
Services Approach



OMC Infrastructure  
O&M Services Approach



Commercial  
Activities  
Approach



Net Revenue  
Score



Net Fee Value  
Score

## Next Steps

- **Today:**

- P3 Steering Committee

- Action: Seek P3 Committee approval to recommend Apparent Best Value Proposer and Approve Project Agreement (PA) to STB**

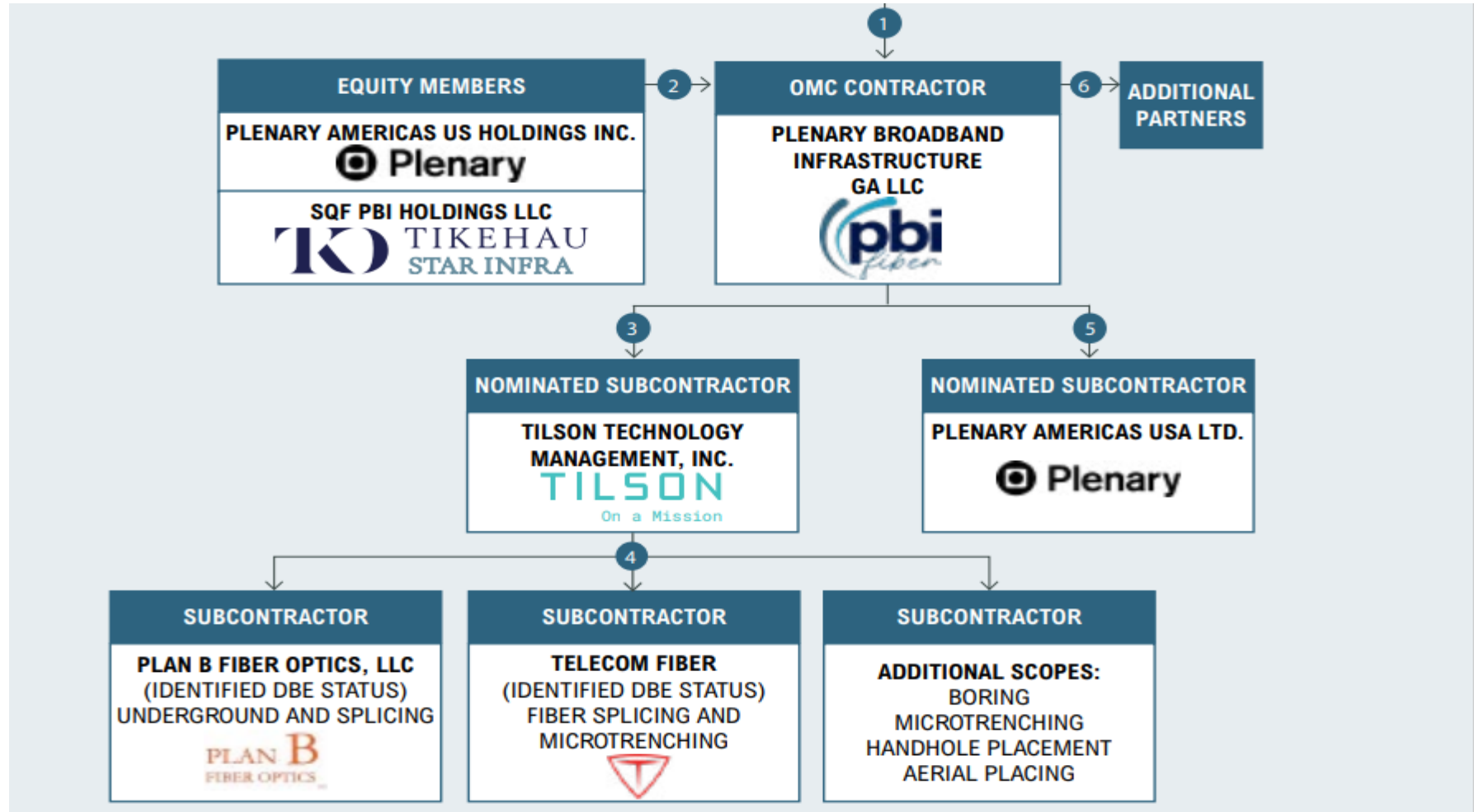
- **Tomorrow:**

- Action: Seek STB approval to award to Apparent Best Value Proposer and Approve Project Agreement (PA)**

- **Upcoming:**

- Upon STB approval, GDOT will commence steps to finalize and execute a contract with the Apparent Best Value Proposer (ABVP).

# Recommended Apparent Best Value Proposer



## Requested Action

- Action: Seek P3 Committee approval to recommend Apparent Best Value Proposer and Approve Project Agreement (PA) to State Transportation Board**



# STATE TRANSPORTATION BOARD

## Committee of the Whole

November 20, 2024



# Emergency Operations Update

Emily Fish

Assistant State Maintenance Engineer

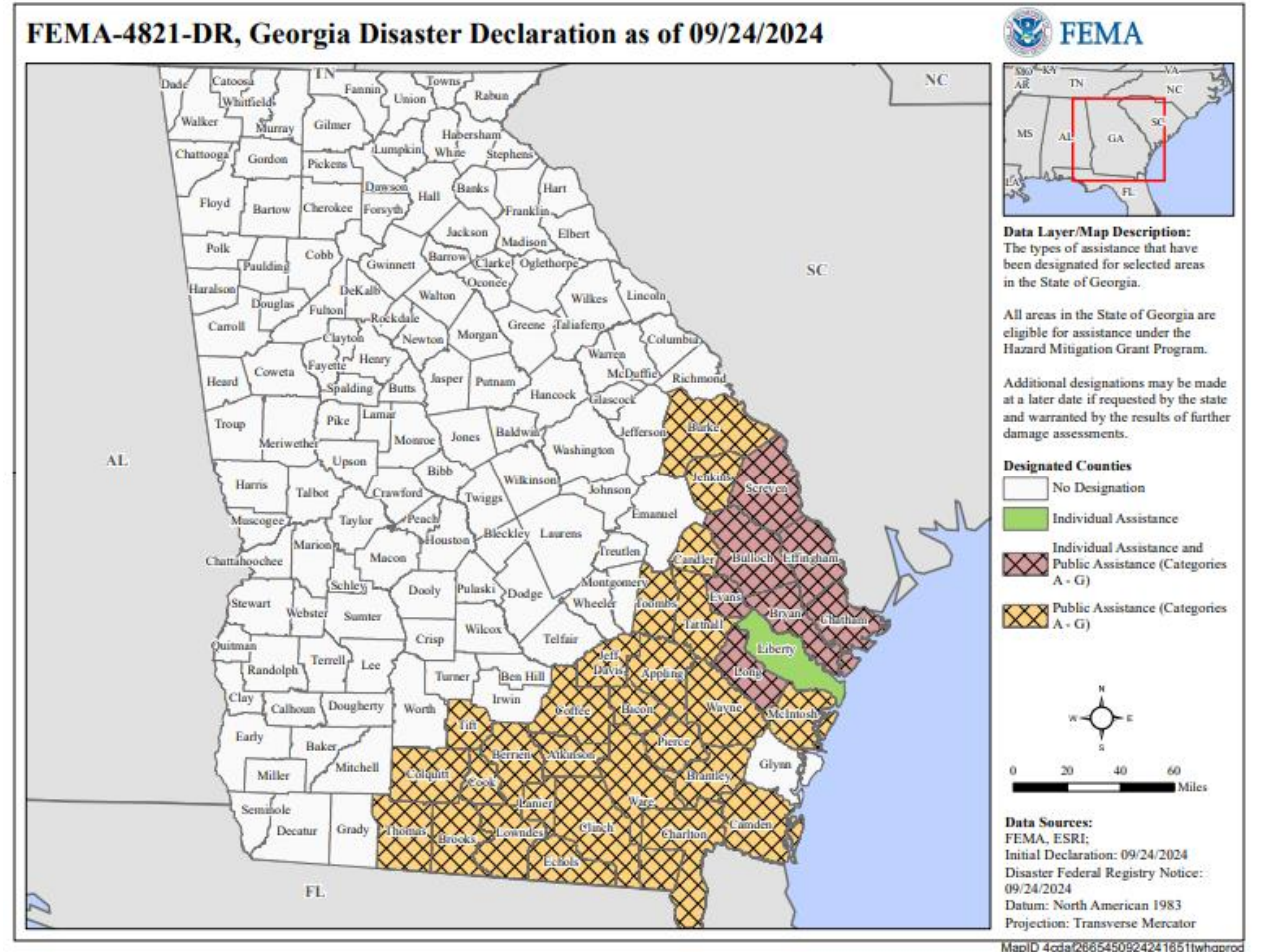
Emergency Operations

November 20, 2024



# Hurricane Debby Update

- Occurred on August 5,6,7
- Federally declared on September 24
  - Helene consecutively
- 34 counties
- Assisted with hauling and road repairs
- 1,141 employees
- Filing for FEMA reimbursement  
Approx. \$1-\$2 million



# Hurricane Helene Update

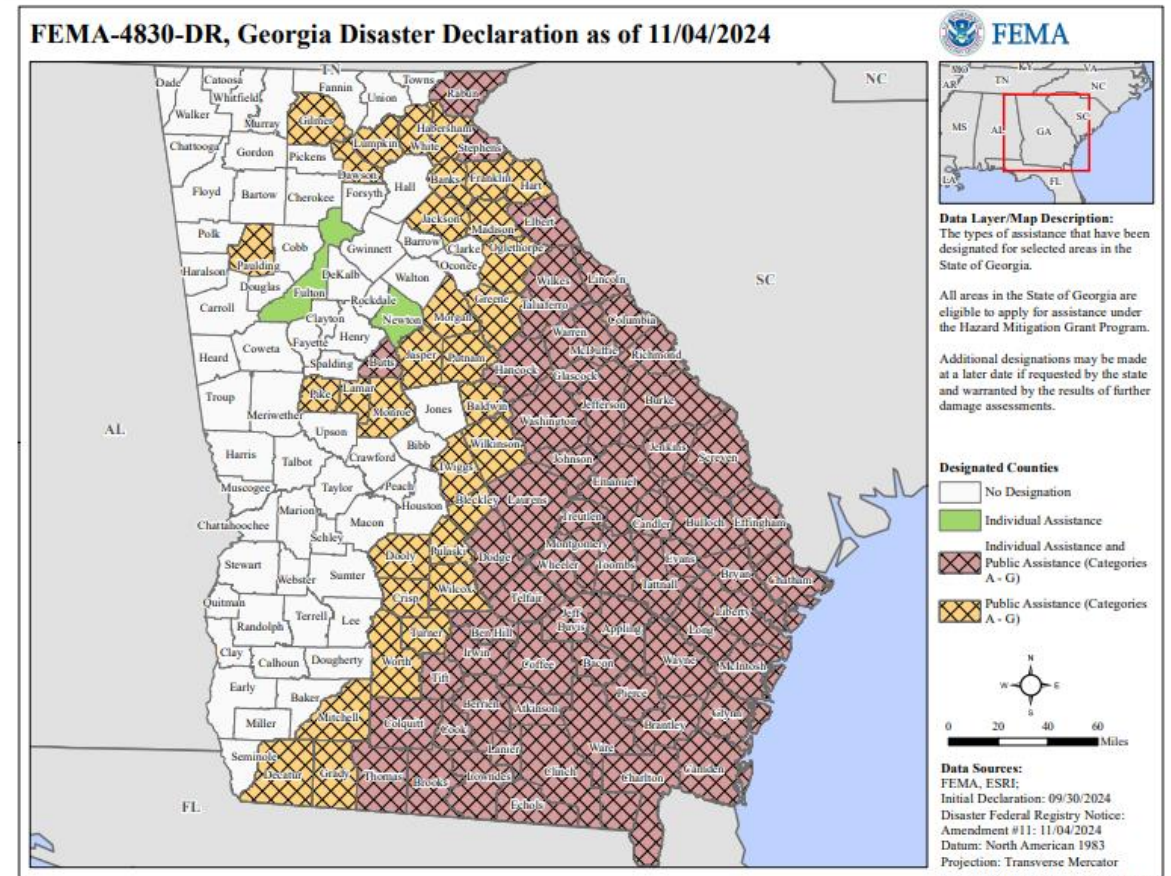
- Employees: 2,122
- Work Hours: 228,722
  - (through Oct 31<sup>st</sup>)
- SOE Days: 43 Days
  - Sept 24 – Nov 6
- Signs Replaced: 16,103
- Sign Maintenance :15,000 +
- Roads closed: 181 closed, 124 passable
- Signals: 282 without power, 719 damaged





# Hurricane Helene Recovery

- 92 PA declared counties
- First 90 days of emergency and debris work is 100% reimbursable through FEMA
  - Hope to extend to 180
- Applying for expedited funding
  - Approx 50% of anticipated costs



# FHWA GDOT Infrastructure

- Total of 14 projects
- Signs
- Signals
- Road repairs
- Estimated Costs: \$8.1m





# Hurricane Helene Debris

- Debris Operations
  - Debris Contractor
    - Haul Debris
  - Debris Monitor
    - QA/QC the hauler
- Necessary for reimbursement



# November Flooding

- Occurred on November 6 & 7 with downstream flooding occurring through the weekend
- 24 counties in the SOE – 2,4,5
- Damages to 3 SR
- Anticipate assisting counties with repairs
- 9 resource requests
  - Barrels, road closed signs
  - 1 damage assessment team, 3 road repair teams (Montgomery, Candler)



# Winter Weather 2024

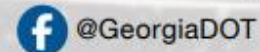
- 2024 Fact Sheet Information
- Snapshot in time of employees and assets
- Published yearly
- Annual winter meeting

## Georgia - Statewide (approximately)



- 1,908 Employees on call covering 49,525 Lane Miles Interstate & State Routes
- 41,143 tons of Salt
- 46,603 tons of Gravel
- 1,387,700 gal. of Brine
- 127,900 gal. of Calcium Chloride
- 431,490 lbs. of Calcium Chloride (*Granular*)
- 343 snow Removal Dump Truck Units  
(1 Plow + Spreader + Dump Truck = 1 Dump Truck Unit)
- 56 F-250 Pickups with Plows & Spreaders
- Storage Capacity 1,387,700+ gal. of Brine
- Storage Capacity 127,900+ gal. of Calcium Chloride
- Can Produce 60,000 gal. of Brine per hour, statewide
- GDOT may relocate district resources to the most - needed areas during an event

**Media Contact: (404) 631-1814**



@GeorgiaDOT



@GADeptofTrans

# Winter Weather 2024

## D1 Improvements

- I-85 NB in Franklin County
- Provides access to I-85 and SR-59
- New salt barn and new brine plant
  - 8 x 10,000 gallon tanks
  - Shelter
  - Electricity
- All work done by GDOT employees



# Stockpile Reports

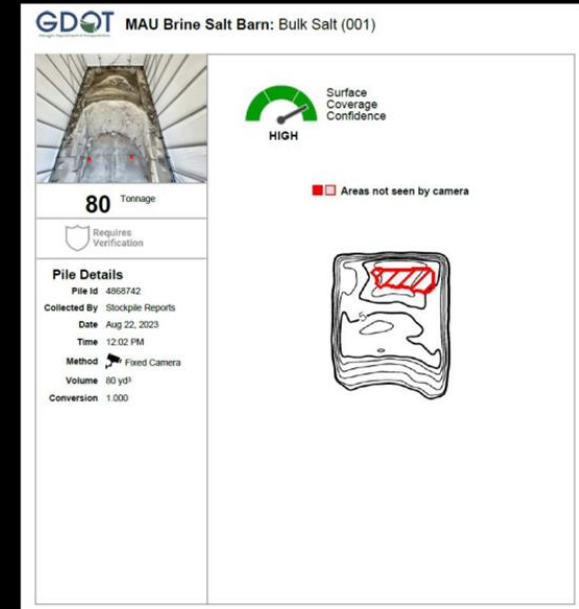


## Use cases for GDOT Emergency Response

- ✓ Validate on hand bulk material
- ✓ Verify deliveries or supply
- ✓ Measure disaster debris

### Benefits

- ✓ Automated measurements reduce fire drills
- ✓ Improves confidence in salt on hand
- ✓ Reliable view to piles during storms
- ✓ Saves time and reduces stress



Example Shed Report



# Example: Real-Time Shed Monitoring

## STOCKPILE REPORTS

### Site: Salt Sheds: District 3: Thomaston

#### Overview

#### Total product on site

STATUS	PRODUCT	DAYS ON HAND	SPACE	DAILY USE	QUANTITY	PERCENT FULL	LOCATIONS	AS OF
OK	Bulk Salt	--	775 t	--	725 t	48%	1	Thu, Oct 31 12:00pm

#### TOTAL QUANTITY

725 t

Bin status (based on threshold values) ■ Full ■ Ok ■ Low ■ Offline ▲ Old measurement

#### Material by location

STATUS	LOCATION / MATERIAL	CHANGE OVER TIME (LAST 40 MEASUREMENTS)
OK	PILE 1 Bulk Salt	
	MOST RECENT	725 t
	SPACE	775 t
		725 t Thu 5 Sep 12:00pm
		725 t Thu 31 Oct 12:00pm
		725 t TIPPER
		150 t LOWER
		1500 t MAX

#### Pile 1, Bulk Salt

Find date   
 Thu Oct 31 12:00pm  
 Wed Oct 30 12:00pm  
 Tue Oct 29 12:00pm  
 Mon Oct 28 12:00pm  
 Fri Oct 25 12:00pm

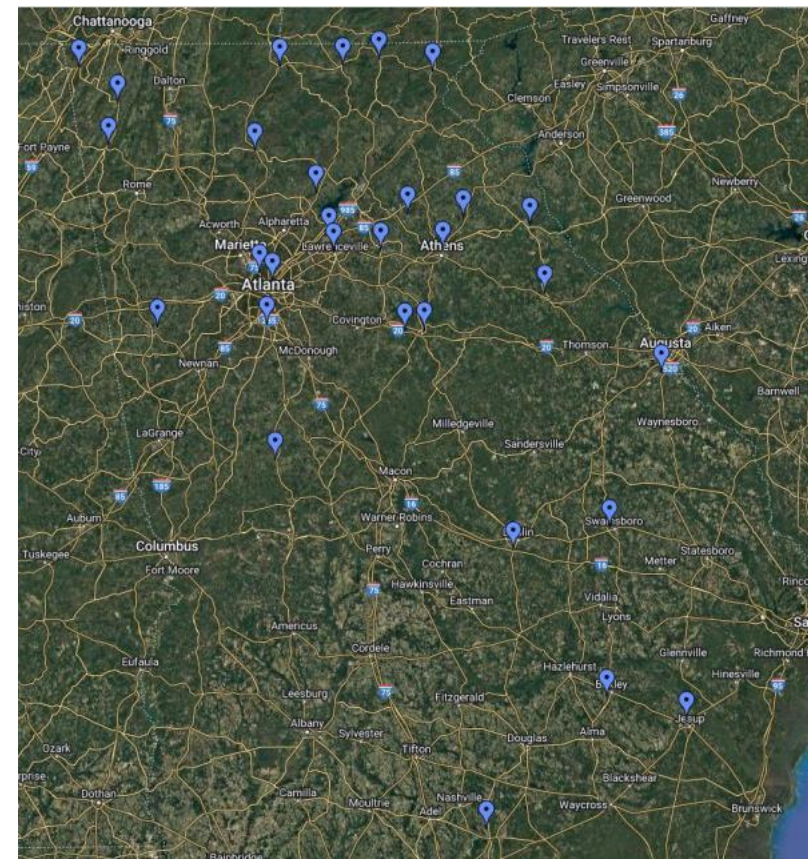
**725 t** 725 yd<sup>3</sup>  
 as of Thu 31 Oct, 12:00pm

Report Details  
 Collected By Stockpile Reports  
 Method Fixed Camera  
 Conversion 1.050 t/yd<sup>3</sup>



725 t 48% OK  
 Thu 31 Oct 12:00pm

NEXT MEASUREMENT  
 Fri 1 Nov 12:00pm



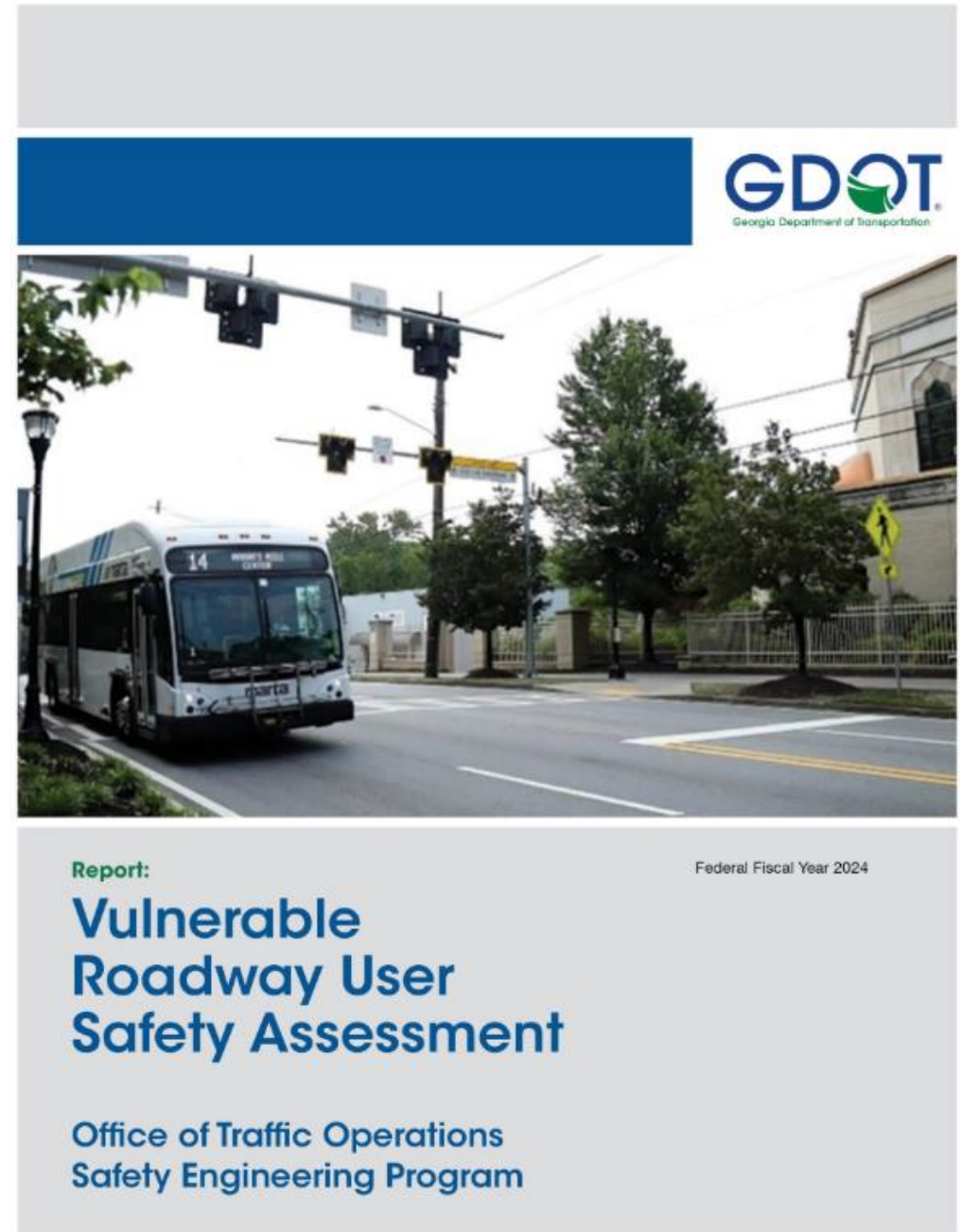






# GDOT's Vulnerable Roadway User (VRU) Safety Assessment

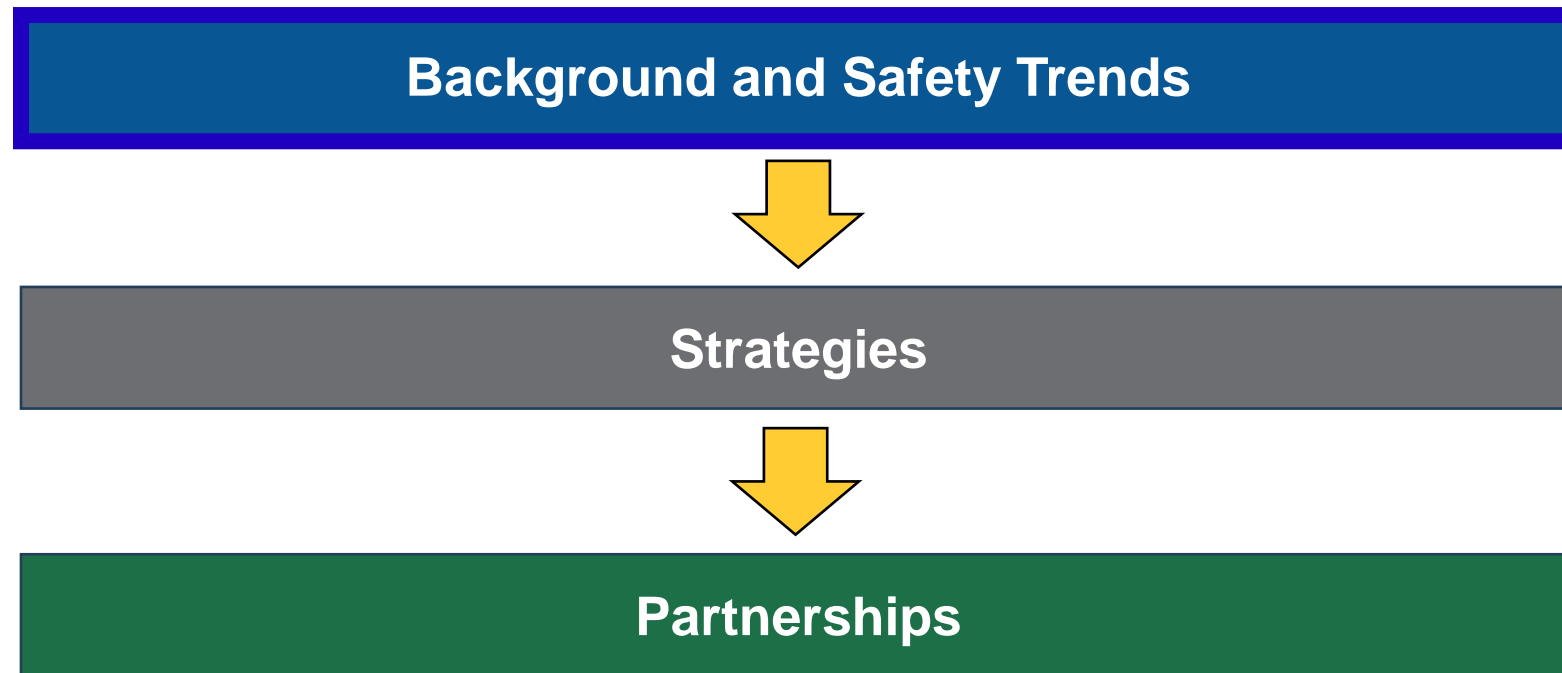
**Ron Knezevich, P.E.**  
**State Safety Engineering Supervisor**  
**November 20, 2024**



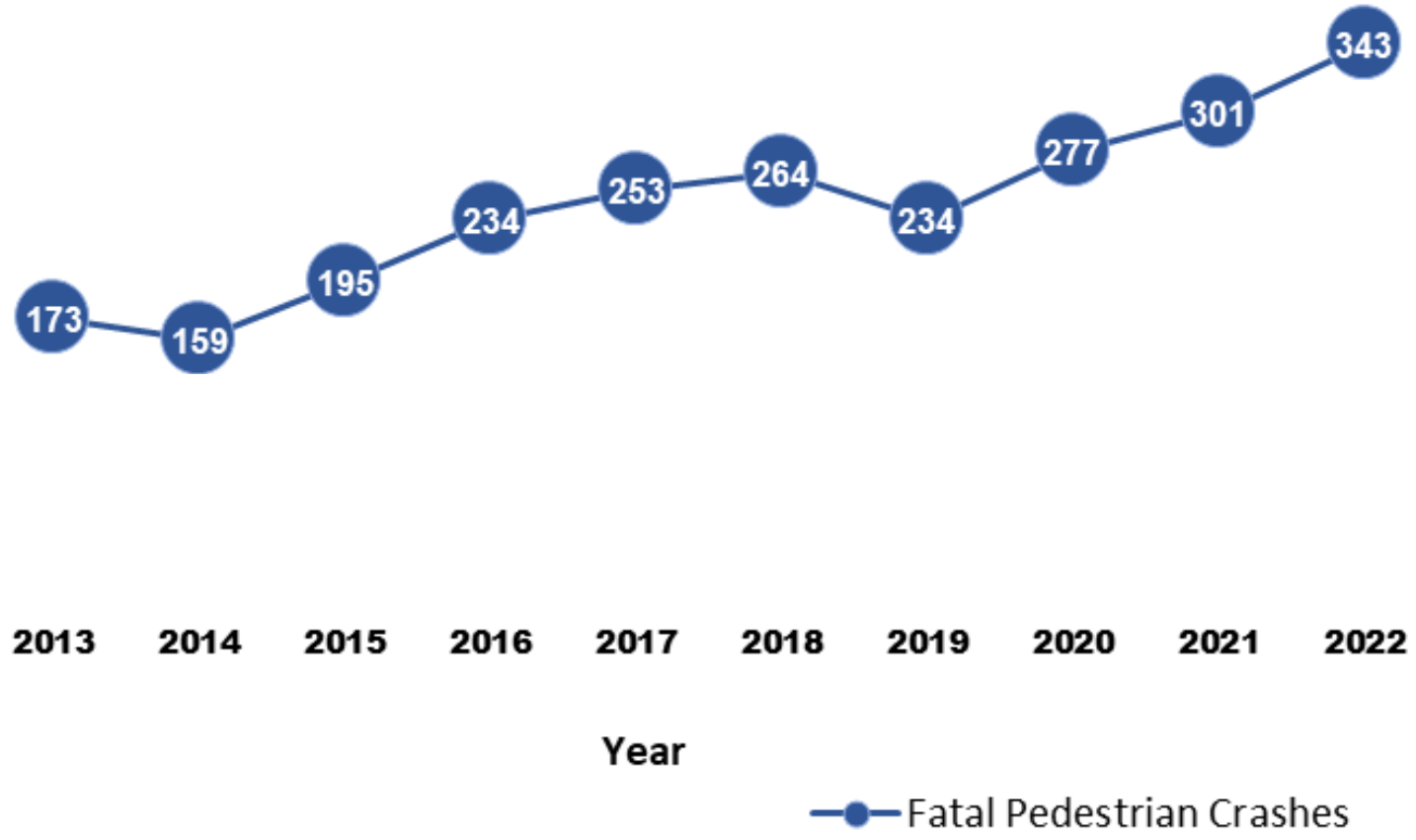
## Takeaways

1. Shifting to **systemic** safety projects rather than site-specific
2. Necessary to be **proactive** with data and project identification
3. **Data-driven** identification of projects and countermeasure selection is vital

# Outline

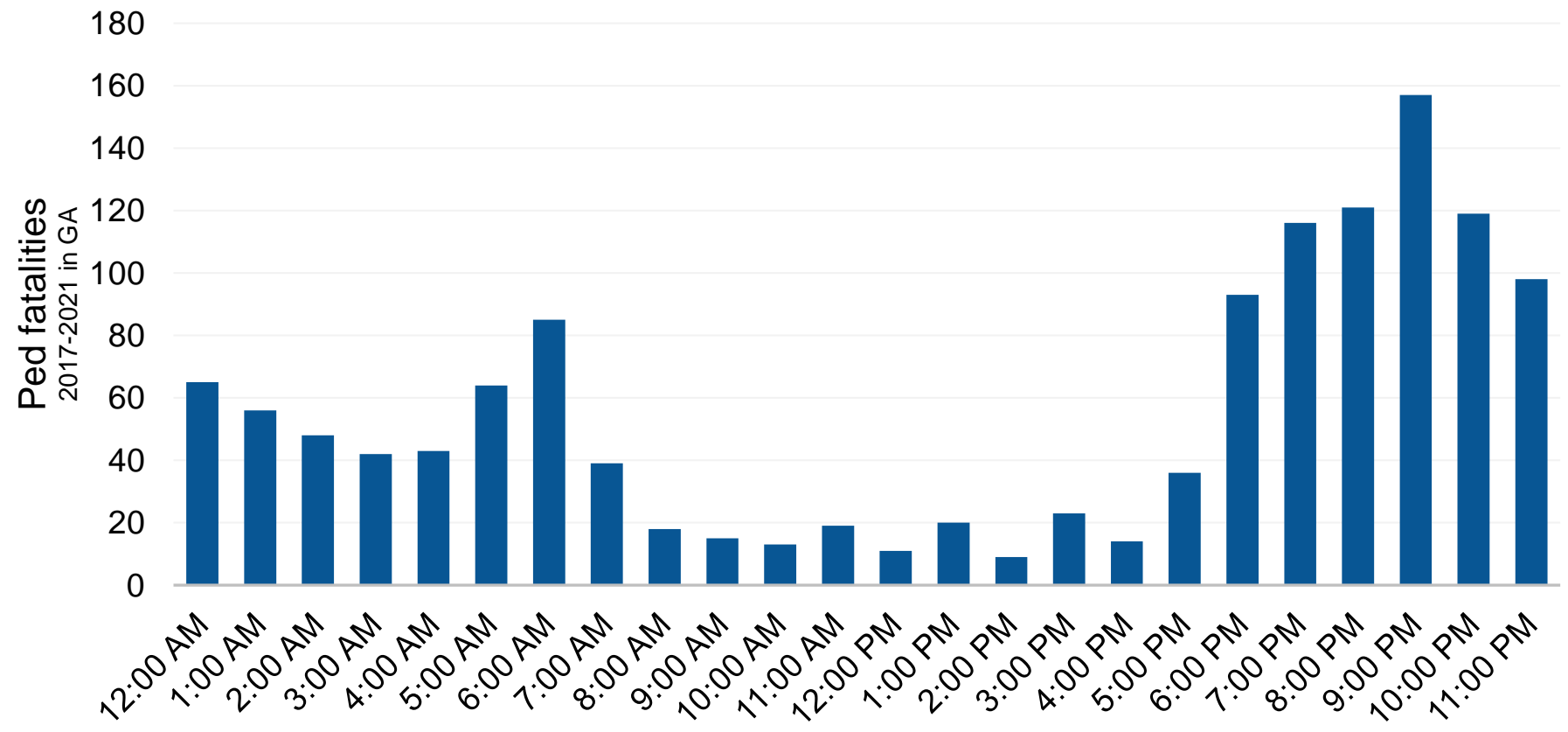


# Georgia Increase in Pedestrian Fatalities



Source: FIRST Crash Query

# 77% Of Pedestrian Fatalities are at Night



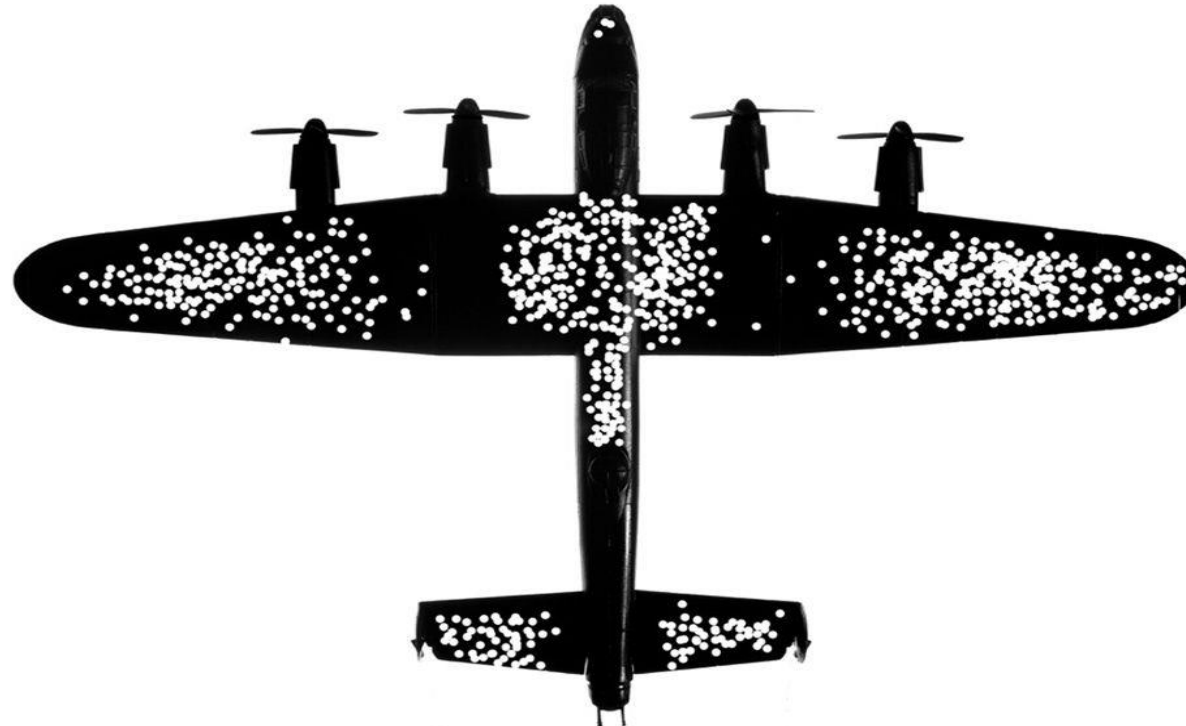
Source: FIRST Crash Query



# Proactive Safety

Anticipating fatalities and injuries before they happen  
*(rather than reacting after)*

*FHWA Safe Systems Approach*



*Image source: Trevor Bragdon Twitter*

# Under Representation of VRU Crashes

Vehicle crashes  
at an intersection



Pedestrian crashes  
at an intersection



< 1 % of  
crashes

~20% of  
fatalities

Source:  
GA Numetric

Image source: Numetric



Fatal



Severe  
injury



Minor  
injury





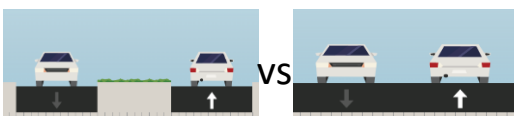
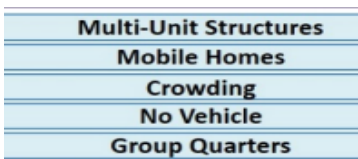


Compliant

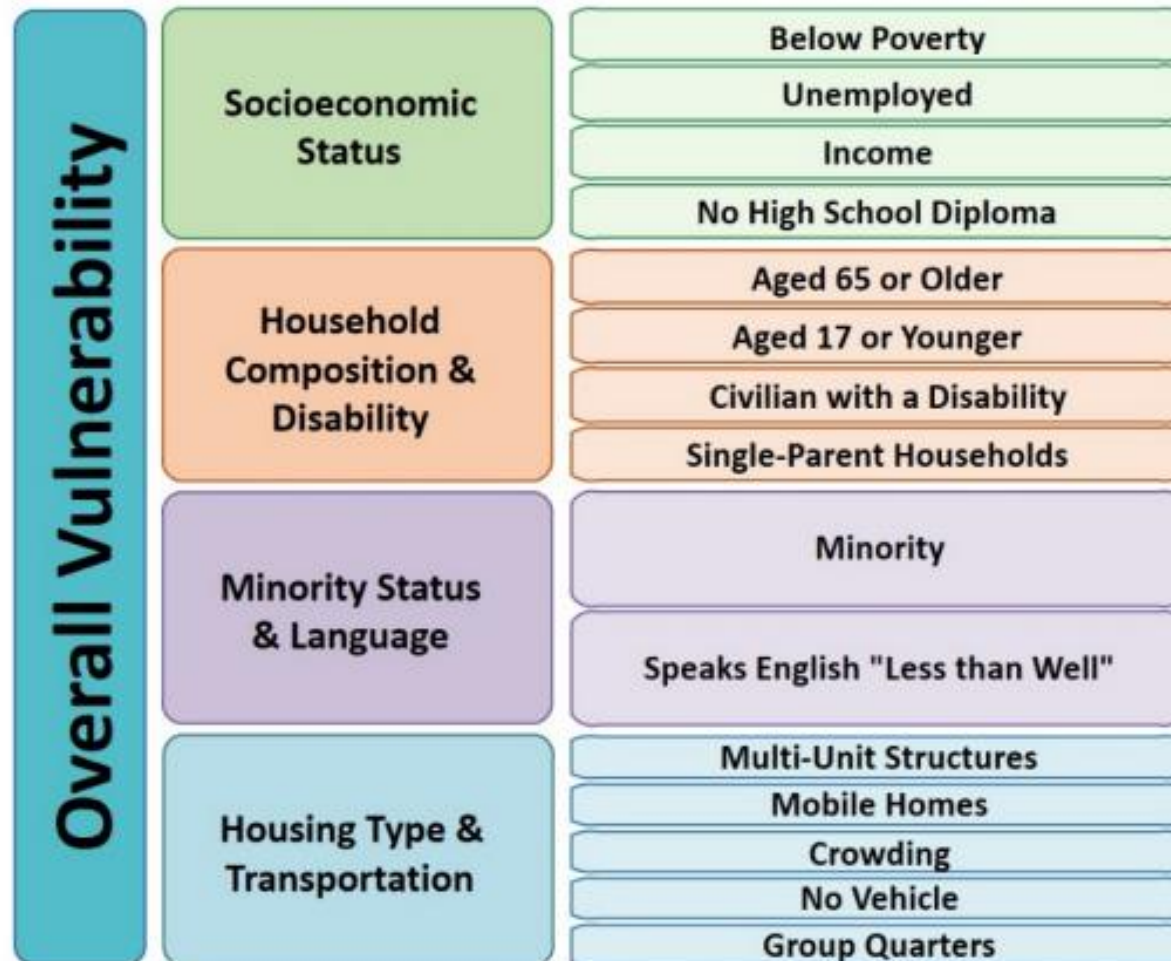


No  
injury

# Pedestrian Crash Prediction

Risk factor/ Exposure	Association to crashes	
# of Pedestrians	↑	
100 ft from an intersection (1=intersection 0 =midblock)	↑	
Lane Number	↑	
# of Vehicles	↑	
Median Presence (1=median 0 =no median)	↓	
SVI (CDC's social vulnerability index)	↑	

# CDC's Social Vulnerability Index

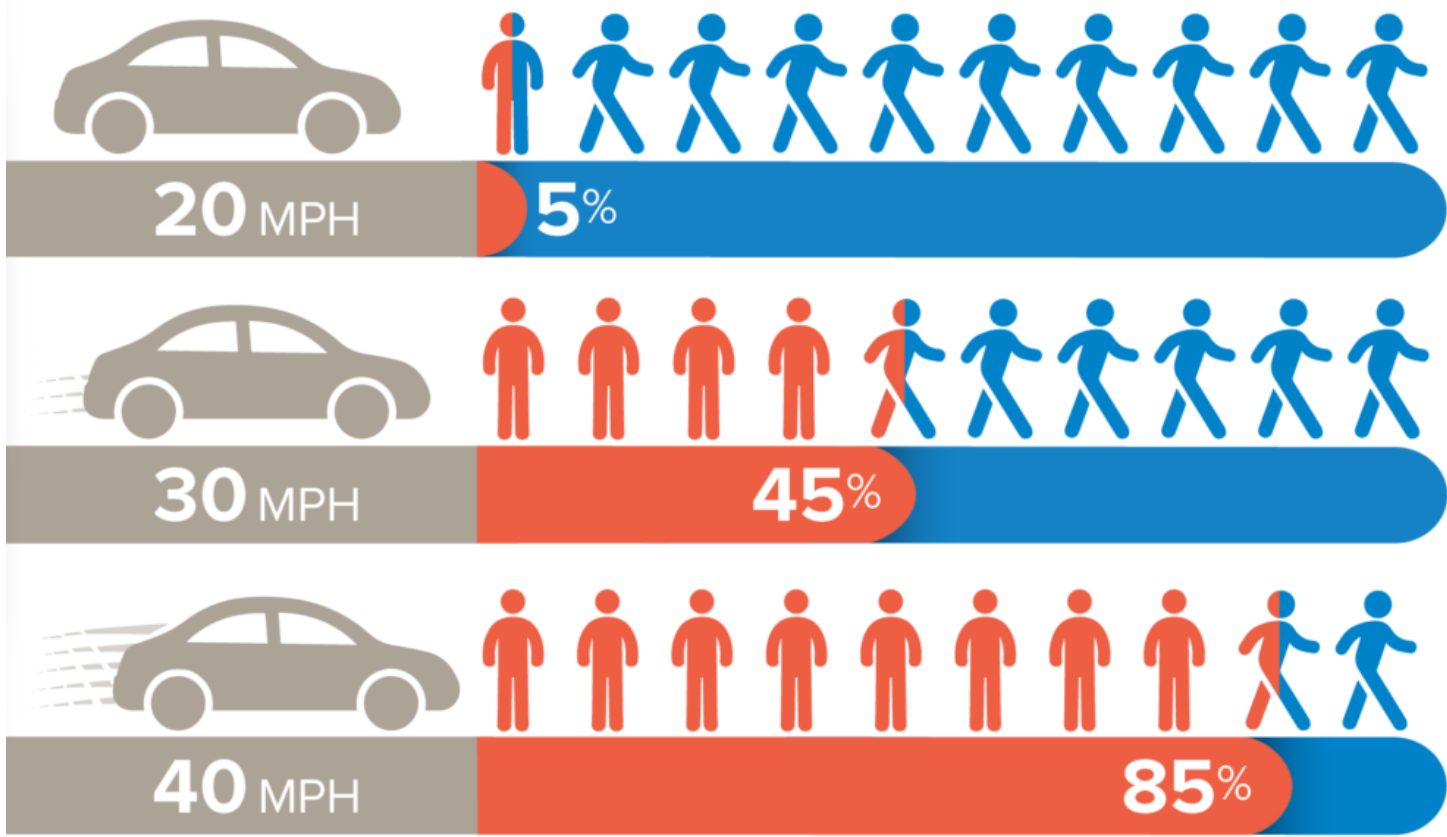


- Statistically correlated to VRU injuries
- Embedded into Numetric crash analysis tool

# Higher Severity at Higher Speed

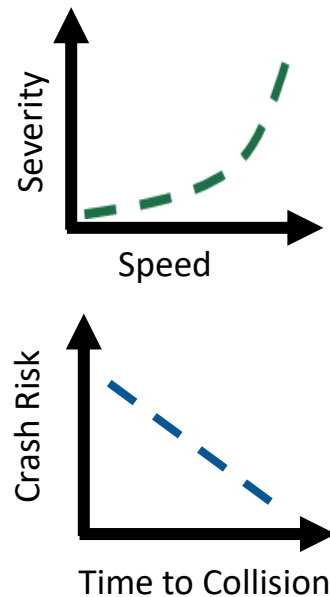
If hit by a car traveling:

● Fatality ● Person survives collision



# Near Miss Detection

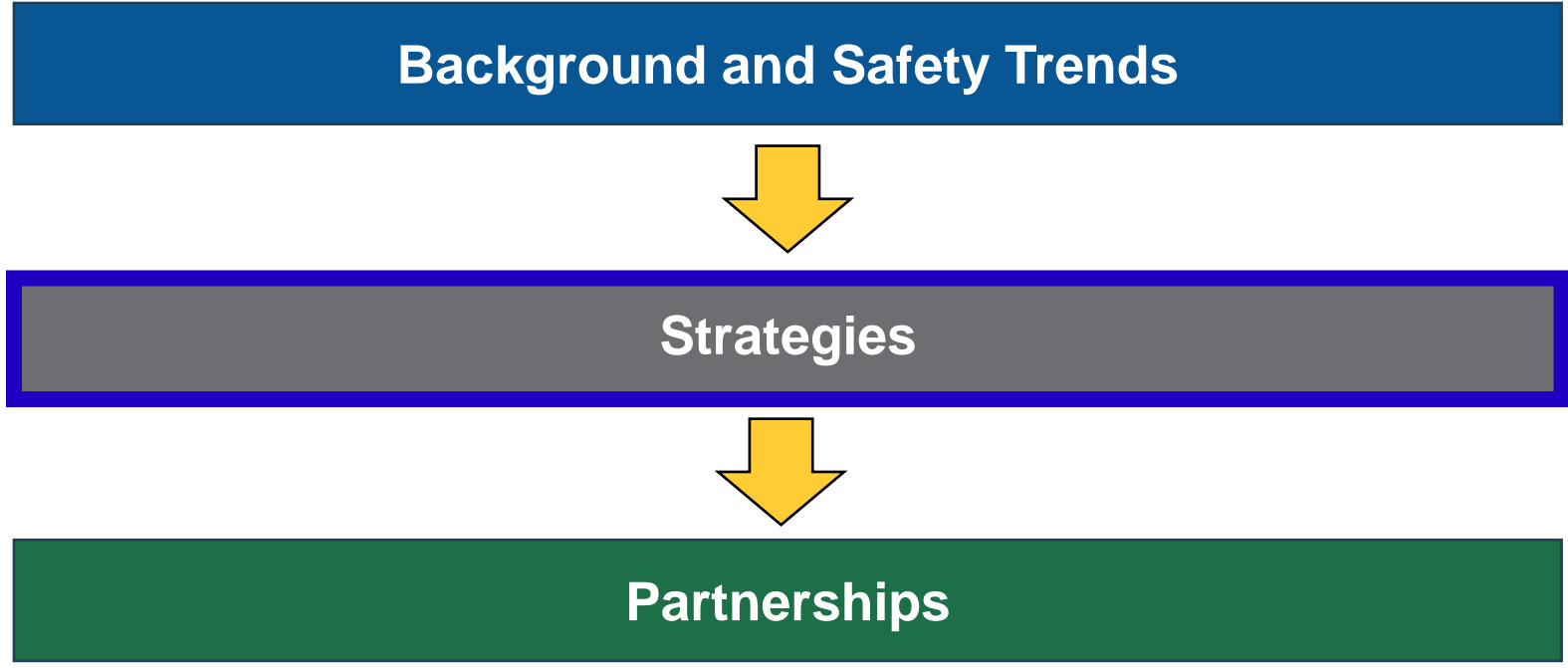
- Focus on midblock VRUs
- Object detection is utilized to assess speed and time to collision
- Video is collected the same way we typically collect counts  
*(GDOT does not own or store this video)*



**Midblock Ped Crossing Near Miss**



# Outline



# Systemic Pedestrian Safety Analysis at Bus Stops

## THE EXTRA MILE® BLOG

Georgia DOT, MARTA working together to improve safety at bus stops

Posted:  
August 3, 2023, 9:00 AM



- People cross the road to get to a bus stop
- 150+ midblock bus stop crossings identified
- Risk Factors & crash data used to prioritize
- Average  $\frac{\text{Benefit}}{\text{Cost}}$  of 13
- Hundreds more across the state



a: Raised Crosswalk



b: Rectangular Rapid Flashing Beacon (RRFB)



c: Pedestrian Hybrid Beacon (PHB)



# Roadway Reconfigurations

## Identify Where Capacity Exceeds Lane #

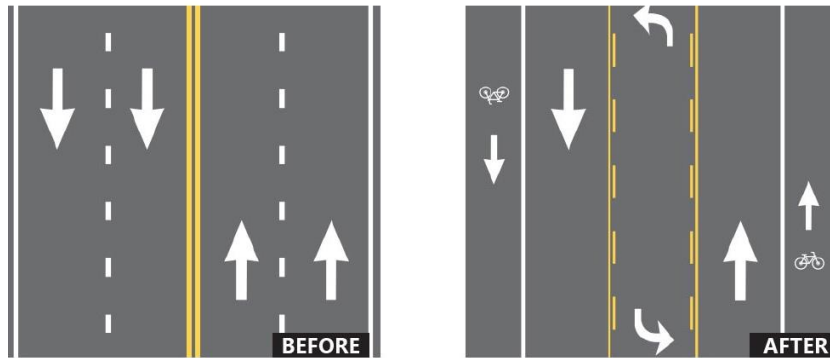
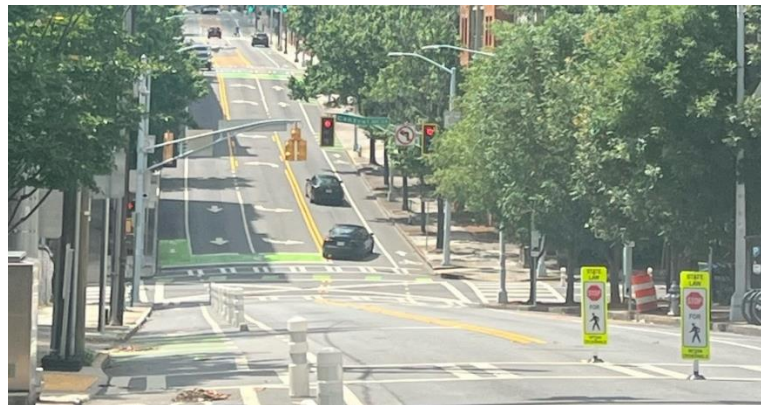


Image Source: FHWA

- 47 % less total Crashes
- Less weaving
- Better sightlines
- Shorter crossing distance
- Typ. improves traffic flow if less than 20,000 veh/day
- Avg  $\frac{Benefit}{Cost}$  of 32 in let projects



- **Collaboration with State Maintenance**

Trinity Ave Roadway Reconfiguration in ATL

# Equipment Purchase Program

We buy it locals implement it

- Over 90 projects implemented
- Average  $\frac{\textit{Benefit}}{\textit{Cost}}$  of 70
- Approximately \$2 million in equipment purchased



Pedestrian  
signal heads



Speed feedback signs  
*Image source: caramanah*



Accessible Pedestrian Signals  
*Image Source: NYCDOT*



RRFBs  
*Image source: caramanah*

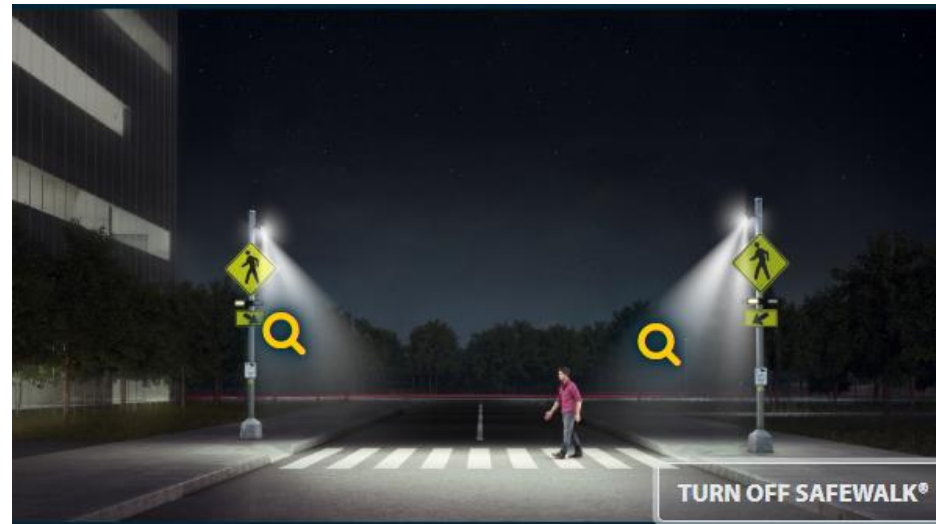
# Nighttime Visibility

## Everyday counts initiative with FHWA



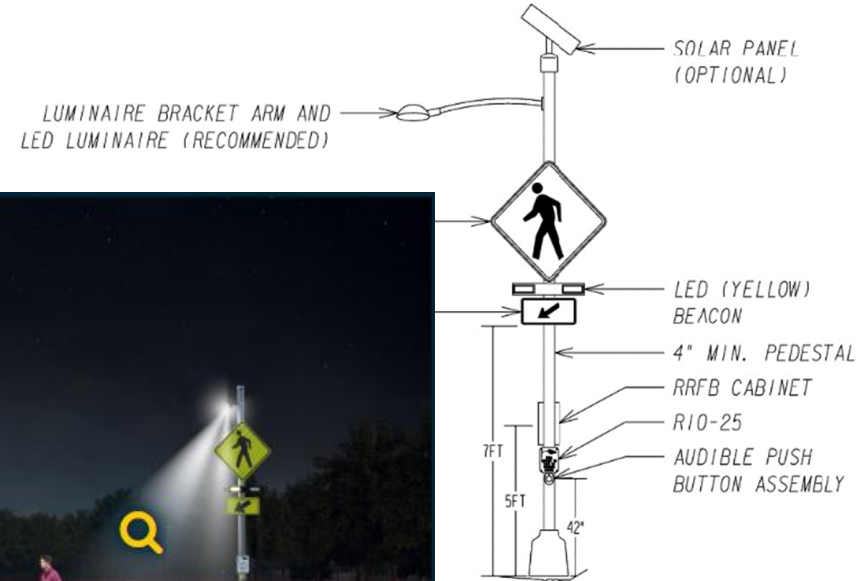
Low-cost lights on existing utility poles

Image source:  
<https://www.youtube.com/watch?app=desktop&v=3517wzUKx3E>



Actuated Lights at Midblock Crossings

Image source TAPCO



New rapid flashing beacon detail with luminaire

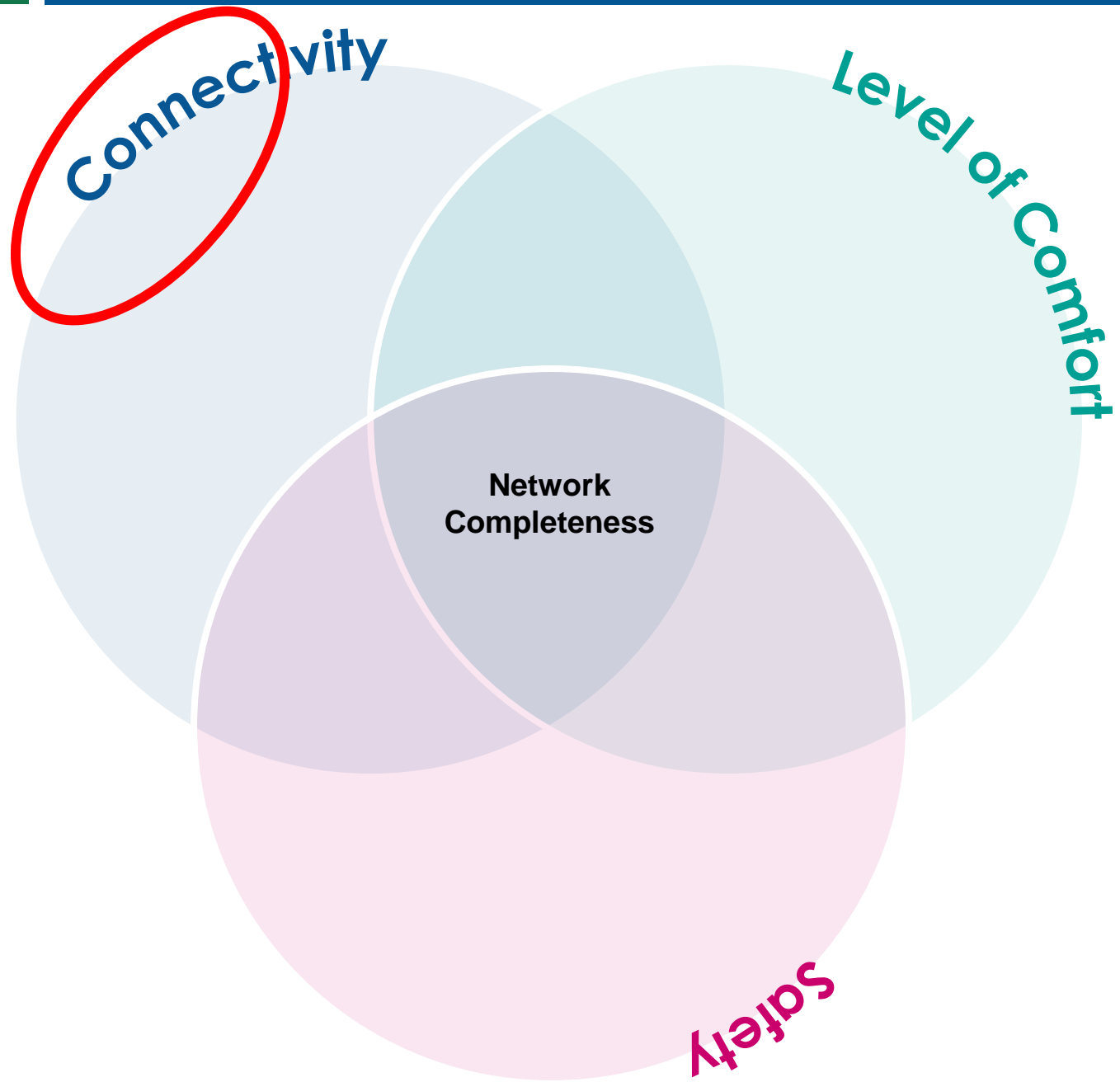
# Rural Active Transportation Plan

Set of Strategies Related to Rural Active Transportation

- Year 1 of 3
- Focus outside MPOs
- List of projects in communities < 5,000 population
- State bike route evaluation
- Review Complete Streets Policy



# Existing Conditions Assessment



# Connectivity

## Existing Active Transportation Network

- State Bicycle Route
- US Bicycle Route
- Rural Shared Use Path (>10 miles)

## Assess Demand

- Population
- Land use
- Employment Density

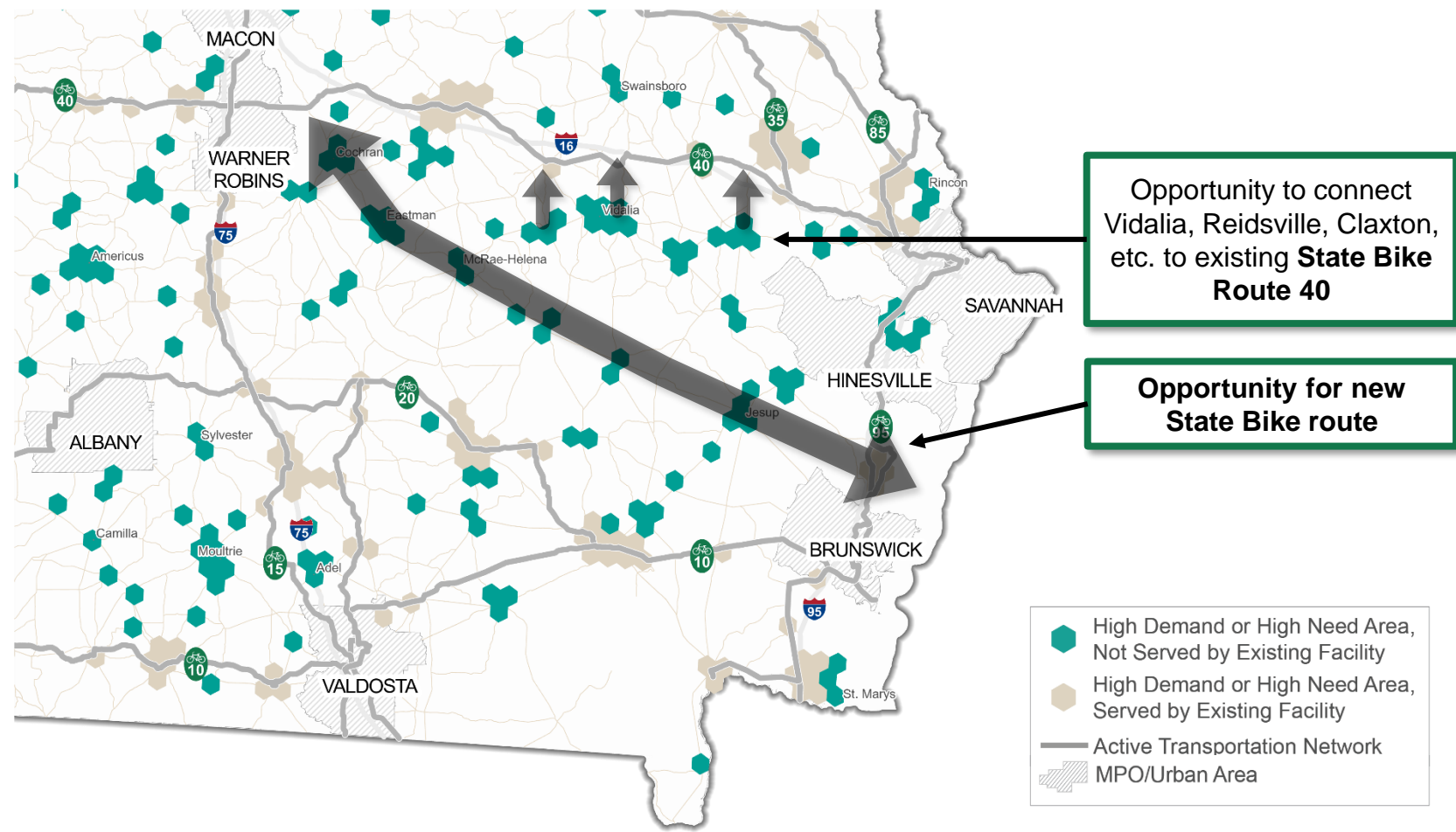
## Assess Need (Equity)

- SVI data







# Connectivity

## Assessing demand & need



Opportunity to connect Vidalia, Reidsville, Claxton, etc. to existing **State Bike Route 40**

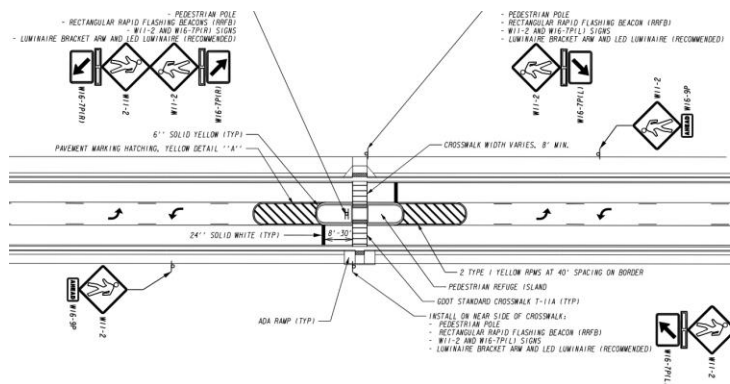
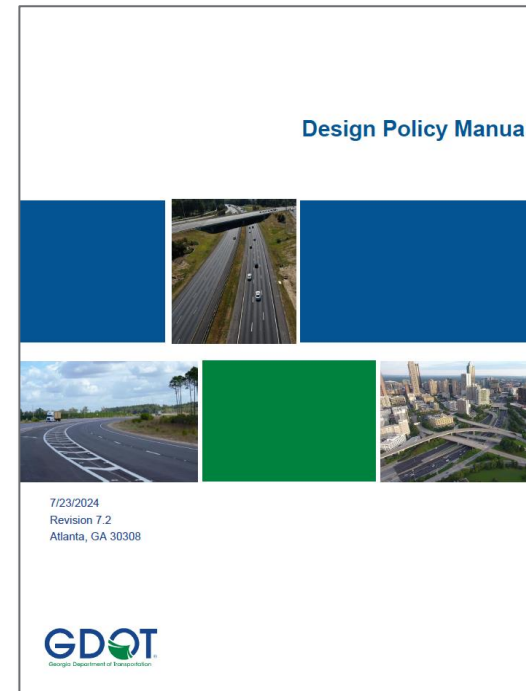
Opportunity for new **State Bike route**

-  High Demand or High Need Area, Not Served by Existing Facility
-  High Demand or High Need Area, Served by Existing Facility
-  Active Transportation Network
-  MPO/Urban Area

# Evaluating Complete Streets Policy

## Incorporate what we learn into policy and guidance

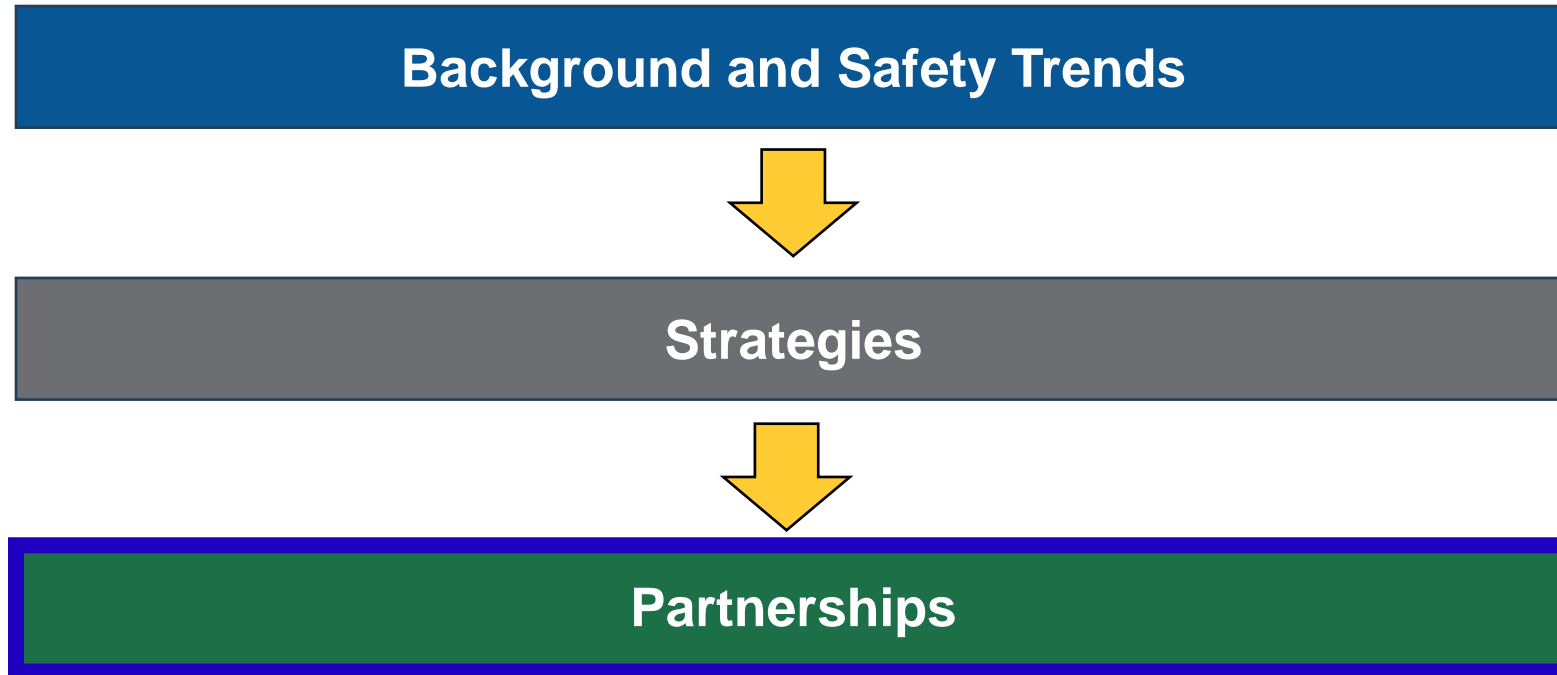
- Complete Streets Policy
- Details/specifications



**GDOT Rapid Flashing Beacon  
Detail**



# Outline



# VRU Task Teams



# Georgia Bikes

GDOT has a contract with the nonprofit Georgia Bikes (now known as Go Georgia)

Hosts Bike Walk live summit

Assists in management of Regional Commission bike/ped plans & funding applications



# Safe Routes to School



In 2023

- K-12 schools
- 523 schools
- 400 partner orgs
- 210 educational session
- 13 school safety walks



**Safe Biking Education**



**Biking School Bus**



**Walk to School Day**

# Public Communication



**GDOT Instagram Reel on How to Use a Pedestrian Hybrid Beacon**



**Ahead of the Curve Podcast on VRU Safety**



**GDOT/LEGO Protected Bicycle Intersection**



**GDOT See & Be Seen Campaign Video**



**Keep GA Safe a free K-12 Road Safety Program Bike Video**

# Takeaways

1. Shifting to **systemic** safety projects rather than site-specific
2. Necessary to be **proactive** with data and project identification
3. **Data-driven** identification of projects and countermeasure selection is vital

# Questions?

**Ron Knezevich**

**State Safety Engineering Supervisor**

[rknezevich@dot.ga.gov](mailto:rknezevich@dot.ga.gov)



# STATE TRANSPORTATION BOARD

## NOVEMBER 2024 COMMITTEE MEETINGS

November 20, 2024