



Georgia Department of Transportation

# Freight & Logistics Commission (November 2019 GDOT presentation)

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## Approach, Warnings & Disclaimers



- ✓ **Future Needs 30 Year Horizon**
- ✓ **Lookback period: 8 year average**
- ✓ **Annualized funding amounts, Includes large projects**
- ✓ **State System only\***

# Rail Program Overview

**Types of Projects:** At-grade crossing safety;  
Short line rehab/upgrade/reactivation/bridge  
replacements/op enhancements

**30 year Future Needs:**  
**\$2.3B - \$2.6B**

NOTE: State Rail Plan is currently being updated,  
which may revisit the numbers & identify new  
investment needs



# Rail Program

## Examples of Future Project Needs



- At-grade crossing safety
- Shortline rehabilitation (tracks & bridges)
- Shortline upgrade (286k-lb & 25 mph standards)
- Shortline reactivation
- Shortline bridge replacements
- Shortline operational enhancements
- Freight Network Capacity Analysis

# Aviation Program

## Overview

**Types of Air Cargo Projects:** Runway extension; Air cargo apron; Air cargo facility; Ramp expansion; Approach lighting system

**30 year Air Cargo Future Needs:**  
**\$69.8M - \$78.9M**



 **NOTE:** Air cargo needs above relate to public airports in GA with the exception of Hartsfield-Jackson Atlanta International Airport

# Aviation Program

## Examples of Future Project Needs



- Runway Extension
- Install ground communication outlet
- Apron rehabilitation
- Justification & Analysis including EA for  
Runway Improvement & Extension
- Construct Air cargo ramp expansion
- Install approach lighting system
- Air cargo apron
- Construct air cargo facility

# Ports & Waterways Program

## Overview

**Types of Projects:** Lands easements;  
Rights-of-way; Relocations & disposal  
areas (LERRDs) associated with keeping  
the Federal Navigation Channel clear;  
Dike construction and raising

**30 Year Future Need:**  
**\$1.5B - \$1.7B**



**NOTE:** Does Not include GPA capital or Inland Ports

# Ports & Waterways Program

## Examples of Future Project Needs



- Savannah River crossing replacement
- Relocation of overhead transmission lines at dredging disposal area
- Acquisition of Additional Real Estate to Support Dredging Operation
- Build dikes
- Construction of new dredged material containment area (DMCA)

# Traffic Operations & Safety Program

## Overview

**Types of Projects:** ITS; Operational Improvements; Safety; Signals

**30 year Future Need:**  
**\$3.5B - \$3.9B**



**NOTE:** The Department oversees traffic management & information systems, and improves highway safety & traffic control along Georgia interstates & state routes.

# Traffic Operations & Safety Program

## Examples of Future Project Needs



- Statewide ITS upgrades and enhancements
- Operational improvements at interchanges
- Cable barriers
- Rumble strips
- Roundabouts
- Truck parking availability system
- Truck alerting arterial ITS equipment
- Freight staging study
- Over height vehicle detection system at low bridges

# Roadway Maintenance Program

## Overview

### Examples of Future Project Needs:

Resurfacing; Routine maintenance;  
Pavement markings; Invitation to bid;  
Rapid maintenance  
response

### 30 Year Future Need:

**\$7.0B - \$7.9B**



**NOTE:** Figures reflect roadway maintenance for the Statewide Freight Network roadways

# Bridge Program

## Overview

**Types of Projects:** Replacement;  
Construction of new bridges

**30 Year Future Need:**  
**\$ 3.4B - \$ 3.9B** State Freight Network  
**\$ 11.8B - \$13.4B** Other



**NOTE:** The bridge program received \$100 million in bonds/year for FY 16-19

# Bridge Program

## Railroad Grade Separations



- There are 268 cities in GA with a Class I rail line running through
- To construct just one grade separation per city, the cost is estimated to be **\$4 BILLION**

# Bridge Maintenance Program

## Overview

**Examples of Future Project Needs:**  
Rehabilitation; Preservation

**30 Year Future Need:**  
**\$2.3B - \$2.6B**



**NOTE:** The bridge maintenance program is housed under the Bridge Office at GDOT, alongside the bridge program

# Capacity Program

## Overview

**Types of Projects:** Widenings; Interchanges; Express lanes; Commercial vehicle lanes; Bypasses; Extensions; Passing lanes

**30 Year Future Need:**  
**\$103.2B - \$116.5B**



 **NOTE:** Capacity program includes the cost of MMIP projects

# Capacity Program

## Future Needs by Category

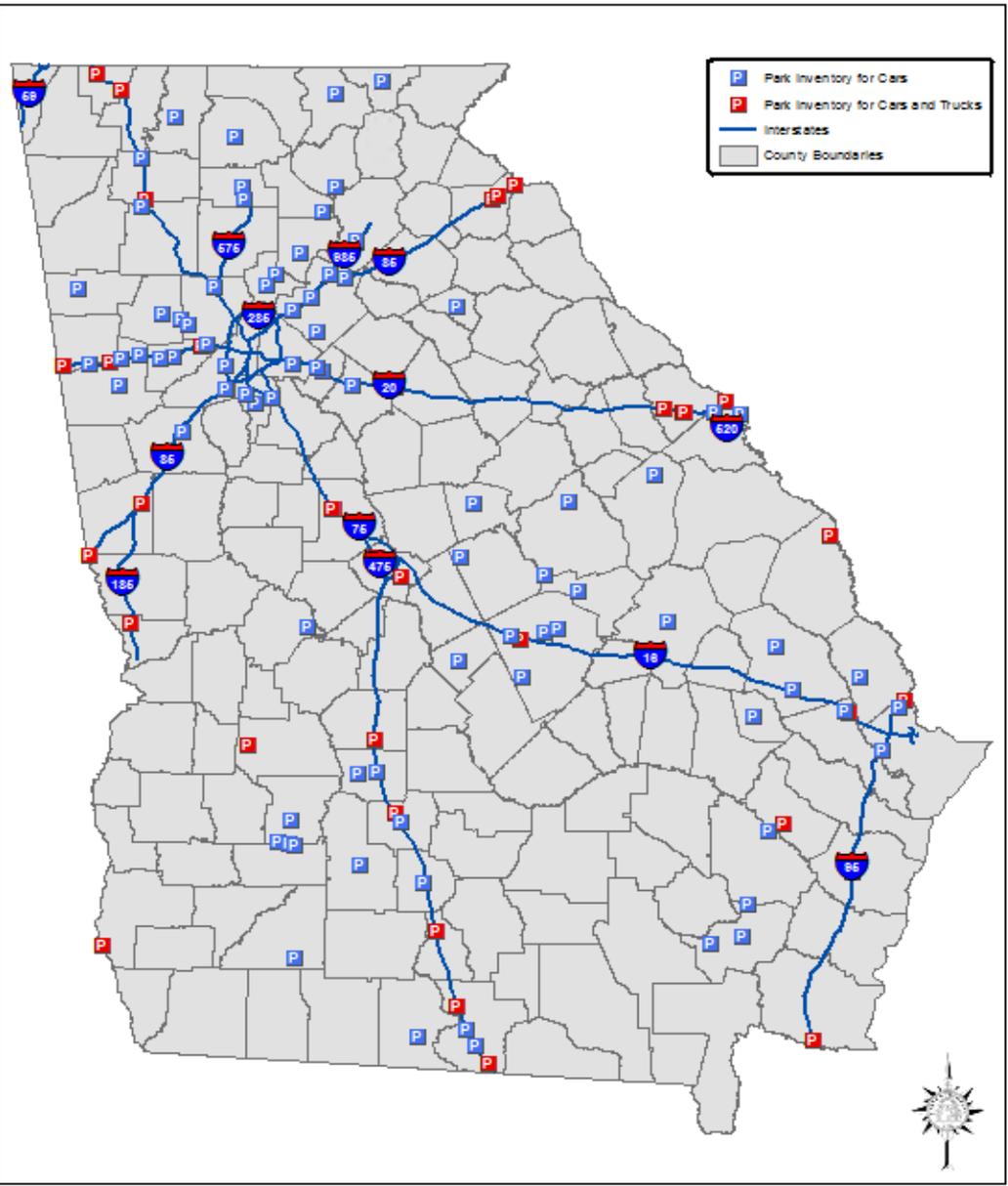
Project Type	Interstate	Non-Interstate
Express Lane	\$25.9B - \$29.2B	\$4.7B - \$5.3B
Commercial Vehicle Lane	\$4.0B - \$4.5B	
Interchange	\$3.1B - \$3.4B	\$1.7 - \$1.9 M
Capacity	\$40.1B - \$45.4B	\$23.7B - \$26.8B
<b>TOTAL</b>	<b>\$73.1B - \$82.5B</b>	<b>\$30.1B - \$34.0B</b>

# Range of Investments Summary

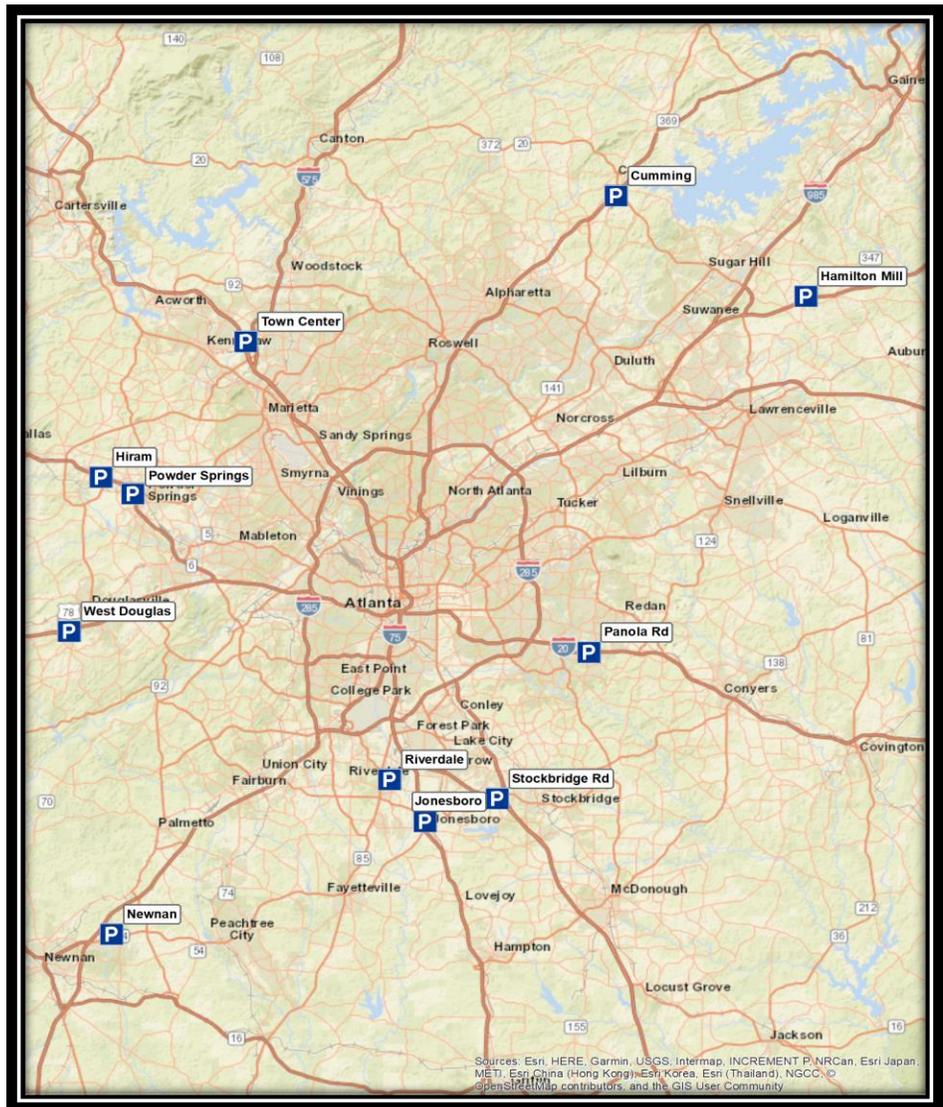
## Range of Investment Needs Est. Costs

<b>30 Year Future Need</b>	<b>\$135.7B</b>	<b>\$153.3B</b>
<b>Expected Investment</b>	<b>\$ 31.8B</b>	<b>\$ 31.8B</b>
<b>30 Year Unmet Need</b>	<b>\$103.9B</b>	<b>\$121.5B</b>
<b>Unmet Annualized Investment</b>	<b>\$ 3.4B</b>	<b>\$ 4.0B</b>

# Public Parking



# GRTA Xpress Parking



# Parking Inventory

FACILITY TYPE	# OF LOCATIONS	# PARKING SPACES (CAR)	# PARKING SPACES (SEMI)
Park & Ride Lot	73	6,593	0
Rest Area	17	1,898	720
Weight Station	19	169	667
Welcome Center	10	1,016	327
GRTA Parking	13	7,852	0
<b>TOTAL</b>	<b>132</b>	<b>17,528</b>	<b>1,714</b>

