



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

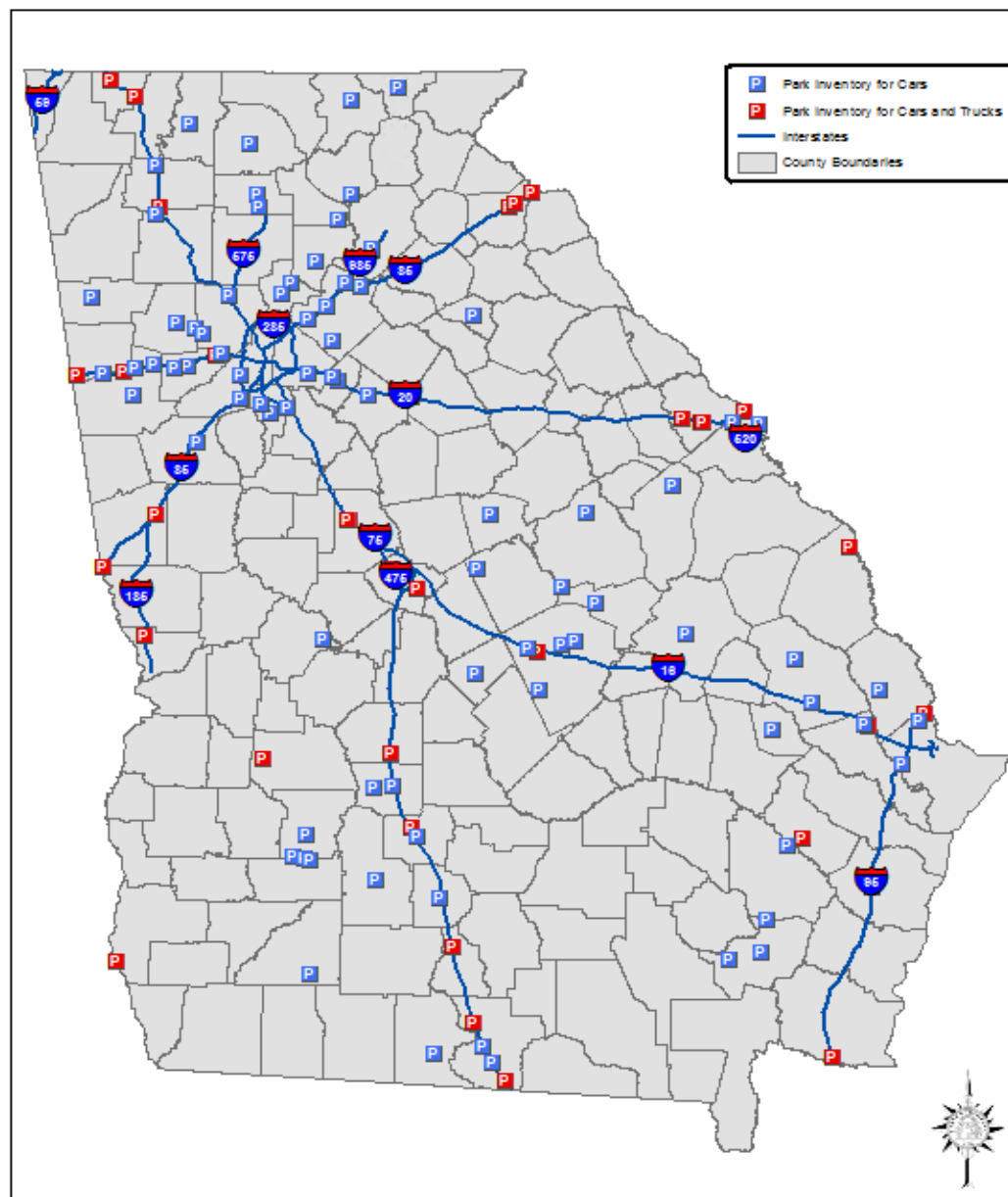
Project Type	Interstate	Non-Interstate
Express Lane	\$25.9B - \$29.2B	\$4.7B - \$5.3B
Commercial Vehicle Lane	\$4.0B - \$4.5B	
Interchange	\$3.1B - \$3.4B	\$1.7 - \$1.9 M
Capacity	\$40.1B - \$45.4B	\$23.7B - \$26.8B
TOTAL	\$73.1B - \$82.5B	\$30.1B - \$34.0B

Range of Investments Summary

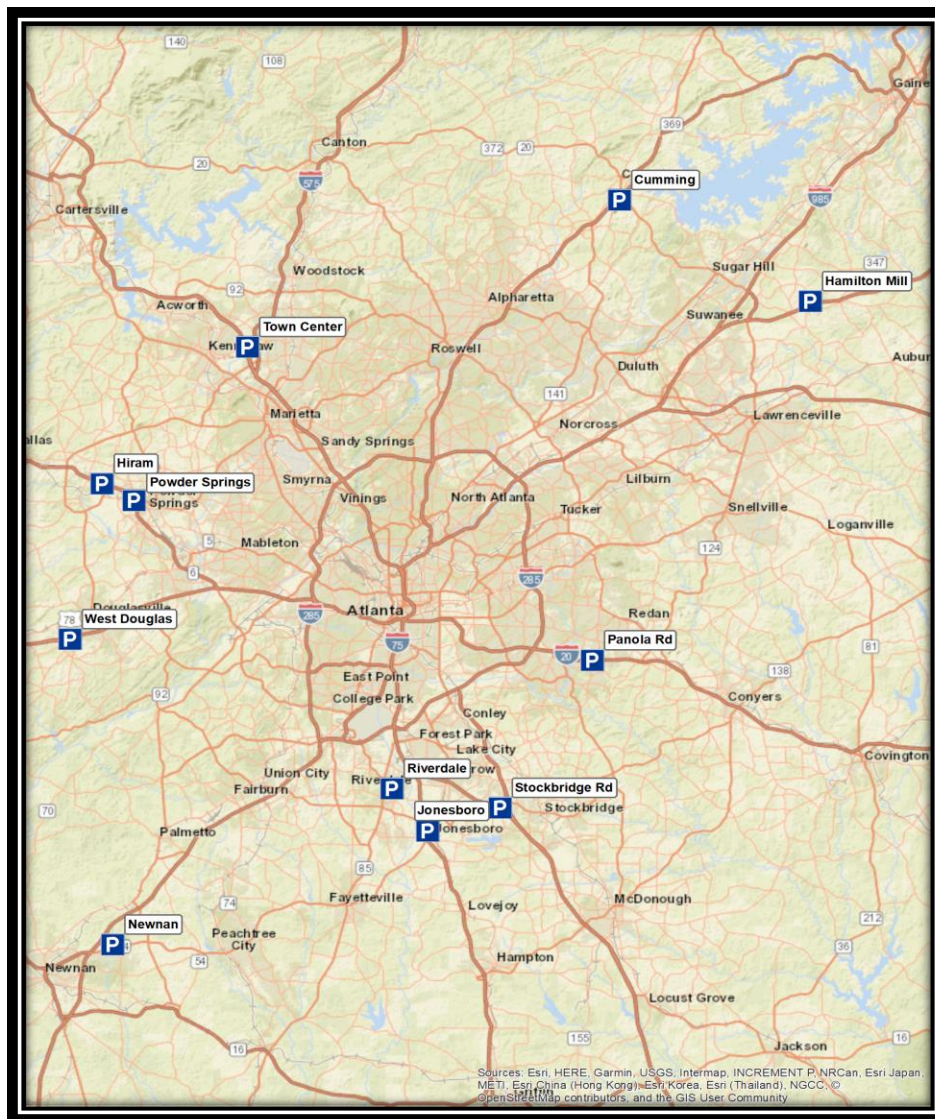
Range of Investment Needs Est. Costs

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

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
TOTAL	132	17,528	1,714

