Georgia Express Lanes Success

A brief overview
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Agenda

• Georgia Express Lanes
• I-75 South Metro Express Lanes
• I-85 Express Lanes Extension
• Northwest Corridor Express Lanes
Express Lanes Vision

- 2000: HOV System Plan
- 2006: Evaluated options to increase mobility on I-285 with Revive285
- 2007: ARC and GDOT adopt express lanes strategy to mitigate congestion
- 2009: Managed Lane System Plan adopted
- 2011: Open to traffic: I-85 Express Lanes (HOT conversion)
- 2015: Transportatio Funding Act of 2015
- 2016: MMIP announced
- 2017: Open to traffic: I-75 South Metro Express Lanes
- 2018: Open to traffic: Northwest Corridor Express Lanes; I-85 Express Lanes Extension
- 2019:
Georgia Express Lanes Network

In Operation
- I-85 Express Lanes
- I-75 South Metro Express Lanes
- I-85 Express Lanes Extension
- I-75 Northwest Corridor Express Lanes

MMIP
- I-285 Eastside Express Lanes
- I-285 Top End Express Lanes
- I-285 Westside Express Lanes
- SR 400 Express Lanes

Long-Range
- I-20 East Express Lanes
- I-20 West Express Lanes
- I-75 Gap Express Lanes

Express Lanes Key:
- Existing
- MMIP
- Long-Range
Express Lanes ROI

- **$1.13 benefit** for every $1 invested
- **44%** reduction in transit vehicle travel time
- **38%** travel time relief in 2040
- **8%** reduction in traffic fatalities/serious injuries
- **10%** fleet cost reduction
- **40 minutes** in planning time savings
- **9%** drop in pollution due to less congestion/faster travel times
Express Lanes Benefits

- More Reliable Travel Times
- More Consistent Travel Speeds
- Enhanced Transit Options and Opportunities
**Mobility Partnerships**

**GDOT**

Responsible for planning, constructing, maintaining, and improving the state’s roads, bridges, and interstates.

**ATL**

Metro Atlanta transit operators are responsible for operations of various transit options available including heavy rail, light rail, and bus transit system and the advancement of transit in the metro area.

**Collects toll revenue and responsible for operations for express lane systems within Georgia.**
I-75 South Metro Express Lanes
I-75 South Metro Express Lanes

- Opened to traffic in 2017
- 12.5 miles along the median
- Reversible system
I-75 South Metro Express Lanes Success

Total trips: 6.5 million

Travel speeds are 38% faster in the express lanes than in the general purpose lanes

Average daily fare: $0.91

Weekday trip average: 9,032
I-85 Express Lanes Extension
I-85 Express Lanes Extension

- Opened to traffic in 2018
- Extended the existing I-85 Express Lanes 10 miles north
- Original I-85 Express Lanes opened in 2011 as HOT lanes for 16 miles
Travel speeds are 25% faster in the express lanes than in the general purpose lanes.

Total trips: 56.7 million

Average daily fare (I-85): $3.44
Average daily fare (Extension): $0.49

Daily trip average: 29,049

Data includes both the original corridor and the extension.
Northwest Corridor Express Lanes
Northwest Corridor Express Lanes

- Opened to traffic in 2018
- 29.7 miles
- Most innovative express lanes system in the country
  - Multi-agency collaboration
  - Public-private partnership
  - Two interstates
  - Reversible system
  - Elevated and at-grade
  - Reversible
I-75 SB from I-575 to I-285 Volume Comparison

--- 2016
--- 2019
I-75 SB from I-575 to I-285 Travel Time Comparison
In 2018, the lowest average speed in the morning was about 25 mph.

In 2019, the lowest average speed in the morning was about 41 mph.

Duration of congestion (below 60 mph) in 2018 was about 9 hrs, 10 mins.

Duration of congestion (below 60 mph) in 2019 was about 3 hrs, 5 mins.
In 2018, the lowest average speed in the afternoon was about 26 mph.

In 2019, the lowest average speed in the afternoon was about 53 mph.

Duration of congestion (below 60 mph) in 2019 is about 2hrs 45mins.

Duration of congestion (below 60 mph) in 2018 was about 5hrs 15mins.
Typical Reversal Durations

I-75 South Metro Corridor: 45 minutes
Northwest Corridor: 90 minutes
Northwest Corridor User Base

These zip codes have the most active PeachPasses on the NWC.
Northwest Corridor Express Lanes Success

Rush hour has been reduced by over 1 hour in both the morning and evening commutes.

Total trips: 5.2 million

Travel speeds are 30% faster in the express lanes than in the general purpose lanes.

Average daily fare: $2.32

Weekday trip average: 25,500

GP lanes are up to 20 mph faster than they were before the express lanes opened.
THANK YOU
For Viewing

@GeorgiaDOT @GADeptofTrans @gadeploftrans www.dot.ga.gov/MMIP