Updates: Major Mobility Investment Program & I-285 Advanced Improvement Projects

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GCAA Management Workshop & Expo
February 19, 2020
We Will Cover

• Major Mobility Investment Program (MMIP)
• MMIP Projects
  • Pre-Let
  • Post-Let
• Working with the Industry and Opportunities
Major Mobility Investment Program
Division of P3 Organization

- Working to deliver major projects quickly
- Aligning resources for P3 and Design-Build delivery
- Focusing on major mobility projects

Innovative Delivery

- Public-Private Partnerships
- Major Mobility Investment Program
- Design-Build Projects
Major Mobility Investment Program

Major Interchange Projects
- I-16/I-95
- I-285/I-20 West
- I-285/I-20 East
- I-285/Peachtree Industrial Boulevard Interchange Improvements

Major Express Lanes Projects
- I-285 Eastside
- I-285 Top End East
- I-285 Top End West
- I-285 Westside
- SR 400

Major Interstate Widening Projects
- I-85 Phase 1
- I-85 Phase 2
- I-16
- I-285 Westbound Collector-Distributor Lanes

Commercial Vehicle Lanes Project
- I-75

Bridge Improvement Projects
- I-285 Westside Railroad Crossings Bridge Widening
- I-285 Westside Bridge Replacements
- I-285 Eastside Bridge Replacements
- I-285 Westbound Auxiliary Lane Extension

= Under Construction
MMIP Project Locations

Interchange Reconstruction:
1. I-16/I-95
2. I-285/I-20 West
3. I-285/I-20 East

Express Lanes:
4. I-285 Eastside
5. I-285 Top End (two construction packages)
6. I-285 Westside
7. SR 400

Interstate Widening:
8. I-85 Phase I
9. I-85 Phase II
10. I-16

Commercial Vehicle Lanes:
11. I-75

I-285 Advanced Improvement Projects:
12. I-285 Westbound Collector-Distributor Lanes
13. I-285/Peachtree Industrial Boulevard Interchange Improvements
15. I-285 Westside Bridge Replacements
16. I-285 Eastside Bridge Replacements
17. I-285 Westbound Auxiliary Lane Extension

= Under Construction
MMIP Statewide Benefits and ROI

$1.10 benefit for every $1 invested

44% reduction in transit vehicle travel time

15% travel time relief in 2040

13% reduction in traffic fatalities/serious injuries

13% fleet cost reduction

45 minutes in planning time savings

13% drop in pollution due to less congestion/faster travel times
Major Mobility Investment Program will use approximately 10 million cubic yards of aggregate; that’s enough to fill a line of dump trucks all the way from Atlanta to Juneau, Alaska!
MMIP Projects
(pre-let)
SR 400 Express Lanes

- Project limits between the North Springs MARTA Station and McFarland Parkway
  - Two express lanes in each direction between the North Springs MARTA Station and McGinnis Ferry Road
  - One express lane in each direction from McGinnis Ferry Road to McFarland Parkway

**Construction Start 2022**

**Open to Traffic 2027**
• Industry feedback drove decision to split into **two smaller construction packages**

• Environmental phase
  - Local coordination regarding express lanes and transit access points
  - **Public comment period open until Feb. 25, 2020**
I-285 Top End East Express Lanes

- Two new barrier-separated express lanes in both directions – at-grade and elevated
  - One lane in both directions from I-85 to Henderson Road
- I-285 limits: Henderson Road to SR 400
- SR 400 limits: Glenridge Connector to the North Springs MARTA Station
- Ties to the I-285 Eastside Express Lanes, I-285 Top End West Express Lanes, and SR 400 Express Lanes

Construction Start 2023
Open to Traffic 2028
I-285 Top End West Express Lanes

- Two new barrier-separated express lanes in both directions – at-grade and elevated
  - One lane in each direction from I-75 to Paces Ferry Road
- Limits: Just south of Paces Ferry Road to SR 400
- Ties to the I-285 Top End East Express Lanes, Northwest Corridor Express Lanes, and I-285 Westside Express Lanes

Construction Start 2026
Open to Traffic 2032
I-285 Eastside Express Lanes

• One at-grade express lane proposed in each direction inside the existing general purpose lanes
• Limits between Henderson Road and I-20
• Ties to the I-285 Top End East Express Lanes
• Recently completed Public Information Open Houses (PIOHs)

Construction Start 2024  Open to Traffic 2028
I-285 Advanced Improvement Project Locations

1. **I-285 Westbound Collector-Distributor Lanes**
   Between Chamblee Dunwoody Road and Ashford Dunwoody Road

2. **I-285/Peachtree Industrial Boulevard Interchange Improvements**
   Improving the I-285/Peachtree Industrial Boulevard Interchange

3. **I-285 Westside Railroad Crossings Bridge Widenings**
   I-285 over CSX Rail (south of Atlanta Road)
   I-285 over Norfolk Southern Rail (south of South Cobb Drive)

4. **I-285 Westside Bridge Replacements**
   South Cobb Drive over I-285
   Bolton Road over I-285
   D.L. Hollowell Parkway over I-285

5. **I-285 Eastside Bridge Replacements**
   Covington Highway over I-285
   Redwing Circle over I-285
   Glenwood Road over I-285

6. **I-285 Westbound Auxiliary Lane Extension**
   Extending auxiliary lane from Roswell Road to Riverside Drive
   and replacing the Mount Vernon Road Bridge over I-285
I-285 Westside Express Lanes

• One at-grade express lane proposed in each direction inside the existing general purpose lanes
• Limits between Paces Ferry Road and I-20
• Ties to the I-285 Top End West Express Lanes

Construction Start 2026
Open to Traffic 2032
I-285/I-20 East Interchange

• Improves traffic flow and safety at the busy I-285/I-20 East Interchange
• Reconstructs ramps and constructs new collector-distributor (CD) lanes
• Auxiliary lanes along I-20 and I-285
• Replaces the Miller Road, I-20 over Snapfinger Creek, and Fairington Road bridges
• Public Information Open Houses (PIOHs) completed November 2019
I-285/I-20 West Interchange

- Reconstruction of I-285/I-20 West Interchange to remove left-hand exits and loop ramp for improve operations and design speed.
- Modification/replacement of bridges and ramps at the interchange and along I-20 including CSX RR and the Chattahoochee River
- I-20 WB CD system from I-285/I-20 Interchange through Fulton Industrial Blvd.
- Addition of lanes along I-20 and I-285 to accommodate interchange improvements

Construction Start 2023
Open to Traffic 2027
I-75 Commercial Vehicle Lanes

- Adds two, barrier-separated, non-tolled commercial vehicle lanes
- Limits along I-75 from approximately the I-475/I-75 Interchange near Macon to the McDonough area
- Provides a commercial vehicle travel-only lane, which keeps the general purpose lanes open for typical motorists
- Counties: Henry, Spalding, Butts, Lamar, and Monroe

Construction Start 2024  Open to Traffic 2028
MMIP Projects (post-let)
I-85 Widening, Phase 1 (I-985 to SR 53)

- Design-Build project
- Adds **26 new lane miles** and replaces **three** overpass bridges that are more than 50 years old
- First MMIP project to break ground – project more than **90% complete**
- Opened **six miles** to traffic early from Hamilton Mill Road to SR 211 in October 2019

**Construction Start 2018**  **Open to Traffic 2020**
I-85 Widening, Phase 1 Quick Stats

- **5** Bridges
- **26** Lane miles
- **4** Retaining walls
- **8** Sound barriers
- Asphalt placed:
  - 379,669 tons (to date)
  - 384,907 tons (entire project)
16@95 Improvement Projects

- Design-Build project
- The interchange improvement will replace the existing (I-95S to I-16E and the I-16W to I-95S) loop ramps located on the west side of I-95 with ‘turbine’ configuration ramps
- Widens I-16 from existing median-divided, four-lane mainline section to a six-lane, barrier-separated section
- Adds collector-distributor (CD) lanes on I-95 northbound to help eliminate weaving to and from I-16

Construction Start Q4 2019  Open to Traffic 2022
I-16 at I-95 Interchange Reconstruction
Working with the Industry and Opportunities
Program Delivery Model

Georgia DOT:
- Owner
- Decision-maker

Program Management Consultant (PMC):
- Represents Georgia DOT
- Provides oversight of the entire program

General Engineering Consultants (GECs):
- Project-specific
- Performs pre-let and post-let work

Developers
- Contractors performing final design and construction
## MMIP GEC and Developer Teams

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<th>Project</th>
<th>GEC/OVF Team</th>
<th>DB Team</th>
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<td>16/95 Improvement Projects: I-16/I-95 interchange Reconstruction, and I-16 Widening I-95 to I-516 (Post-let)</td>
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<td>I-85 North Widening I 066 to SR 63 (Post-let)</td>
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Early Industry Coordination

Early coordination with industry

Assessing industry readiness

Creating opportunities for inclusion
One prime can’t do it all

Opportunities for new partnerships

Georgia DOT is relying on entire industry

Local Opportunities
DBE Opportunities

Industry forums and one-on-one meetings

Matchmaking events with DBEs

Strong relationships between owner and developers

Contact DBEMMIP@dot.ga.gov to explore MMIP DBE opportunities
Vendor Opportunities

- Aggregate
- Asphalt
- Portland Cement
- Masonry
- Concrete
- Pipe
- Steel
- Lumber and Timber

- Coatings
- Fencing
- Signage
- Lighting and Electrical
- Communication and Electronic Equipment
- Planting Materials
- Many others
THANK YOU