

Major Mobility Investment Program (MMIP) Update

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Program Delivery Committee
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Presentation Overview

- Alternative Delivery Background
- Legacy Projects Update
- Major Mobility Investment Program (MMIP)
 - Program Overview
 - Consultant Opportunities
 - FY 2018 Project Updates
 - Engagement and Collaboration Activities
- Upcoming Activities

Addressing Transportation Needs – Innovation and Collaboration



Innovative Delivery and Financing



Focus on Connectivity for the Future



Current and Future Regional Collaboration

Legacy Projects

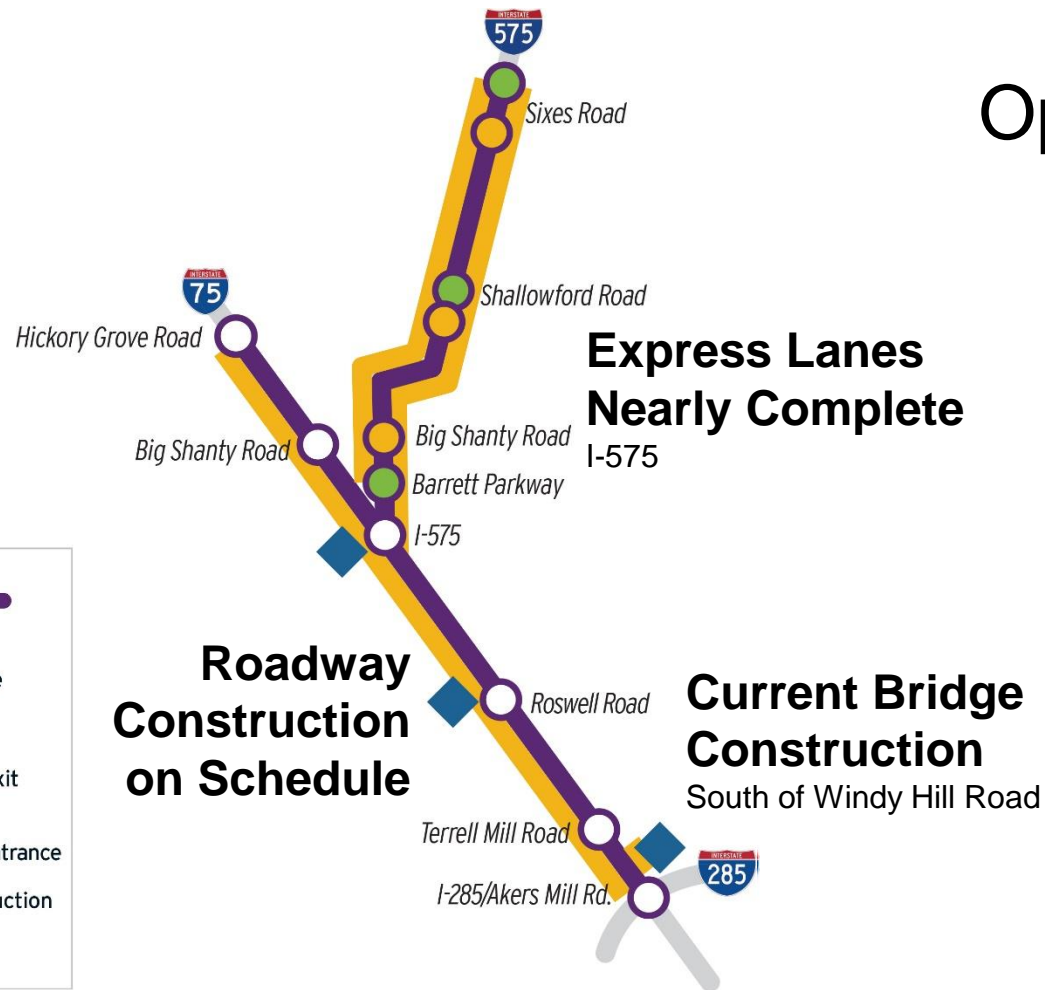
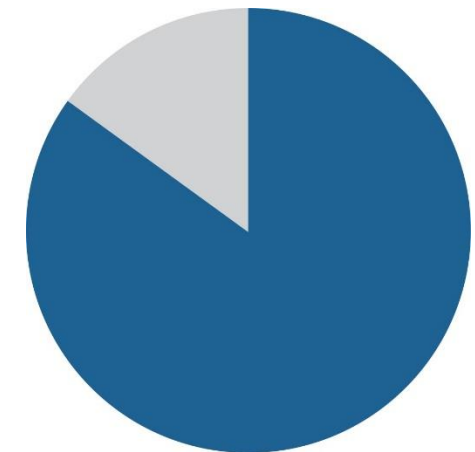


Northwest Corridor Construction

Schedule:
Opening to traffic



85% Complete



LEGEND:

Project

- Managed-Lane Interchanges
- Slip Ramp-Northbound Exit
- Slip Ramp-Southbound Entrance
- Major Construction Sites

Map is not to scale

Northwest Corridor Construction – On Schedule

39 Bridges:



- **33** complete
- **6** under construction
- **91%** (199 of 219)
bridge deck spans complete

68 Retaining Walls:



- **58** complete
- **10** under construction

Northwest Corridor Construction

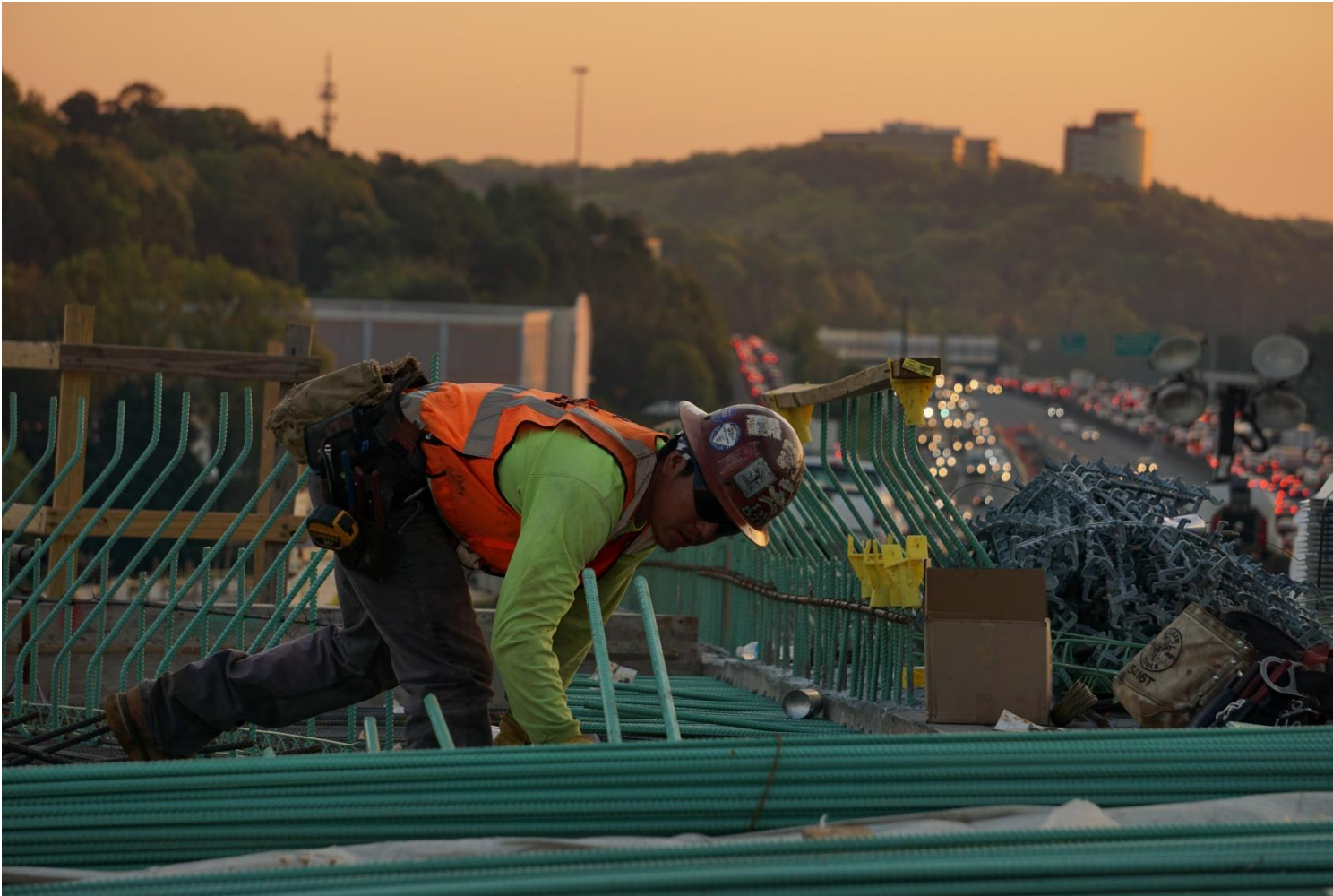


Northwest Corridor Construction



Nighttime beam setting at I-75/I-285 interchange

Northwest Corridor Construction



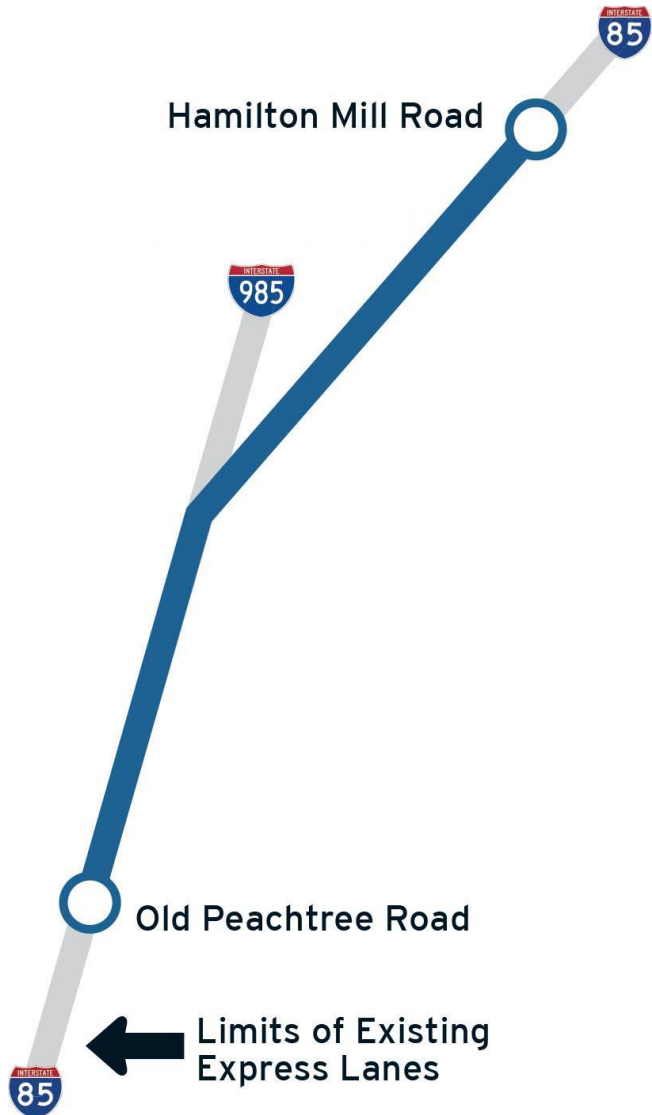
Construction at the I-75/I-285 interchange

Northwest Corridor Construction



I-75/I-285 Interchange

I-85 Extension



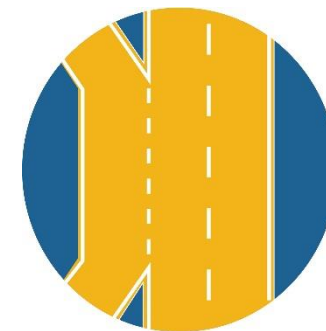
Schedule:
Opening to traffic



10 miles of newly constructed roadway



**1 new northbound lane
1 new southbound lane
(HOT 3+)**



Additional auxiliary lanes will provide better traffic flow

I-85 Express Lanes Extension

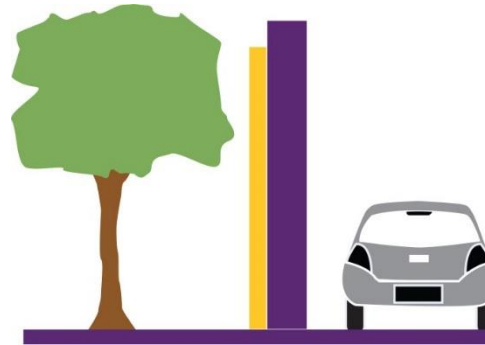
Bridge Construction:



3 bridges

- SR 20 widening: **100%** completed
- NB Express Lane over I-985: **17%** completed
- I-85 SB over I-985: **39%** completed

Noise Barrier Wall Construction:



9 walls

- **26%** completed

Asphalt Placement:



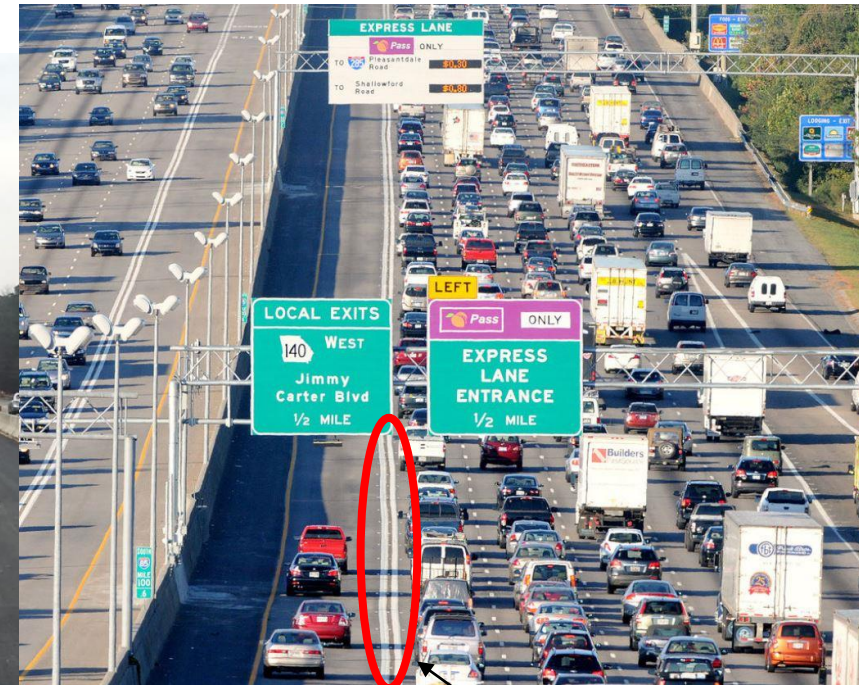
56% completed

I-85 Express Lanes Extension



Newly widened bridge for I-85 Express Lanes

I-85 Express Lanes Extension



Buffer Separated

Asphalt paving and median barrier footing north of SR 20

I-85 Express Lanes Extension



Median grading north of I-985



Transform 285/400

Transform 285/400 Construction

Legend:

-  Project Area
-  Major Interchange Reconstruction Area
-  Bridge Work
-  Bridge Widening
-  Bridge Replacement
-  New Diverging Diamond Interchange (DDI)

Map is not to scale



Schedule:
Estimated Construction Completion



Current and Upcoming Activities

Current Work:



**Mount Vernon Highway
bridge over SR 400
replacement**



**SR 400 and I-285 site
preparation & tree clearing**



**Daily Flexible Shoulder
Lane (flex lane) closures**



Utility relocations

Upcoming Work:



Grading on SR 400



**Construction of drainage and
retaining walls on SR 400**



**Permanent flex lane
closures**



**Detours within the I-285/SR
400 interchange**

Existing I-285/SR 400 Interchange

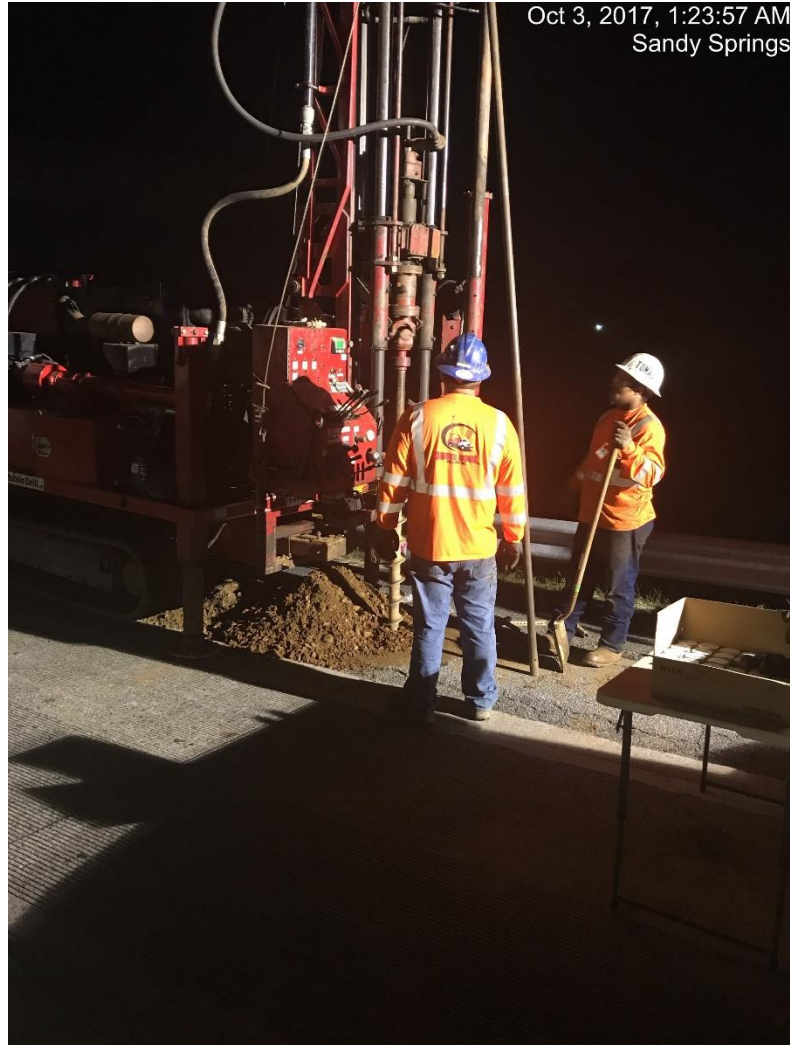


Proposed I-285/SR 400 Interchange

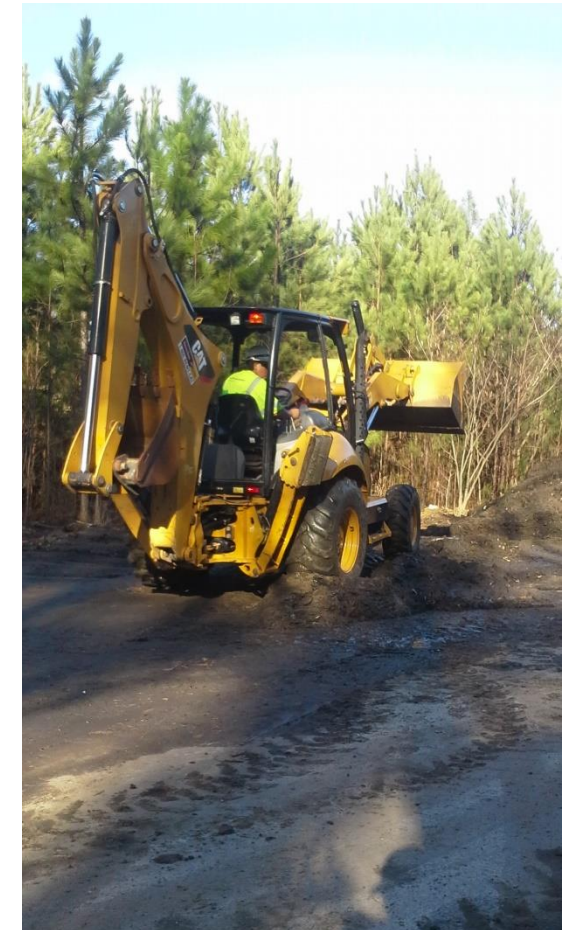


Bike/Ped
Path

Project Progress



Project Progress



Major Mobility Investment Program (MMIP)



Major Mobility Investment Program (MMIP)



\$11 Billion Program



11 projects under contract
in 10 years (by 2026)



Uses Innovative Delivery and
Public-Private Partnerships
to accelerate projects

MMIP Projects



3 Major Interchange Projects



4 Major Express Lanes Projects



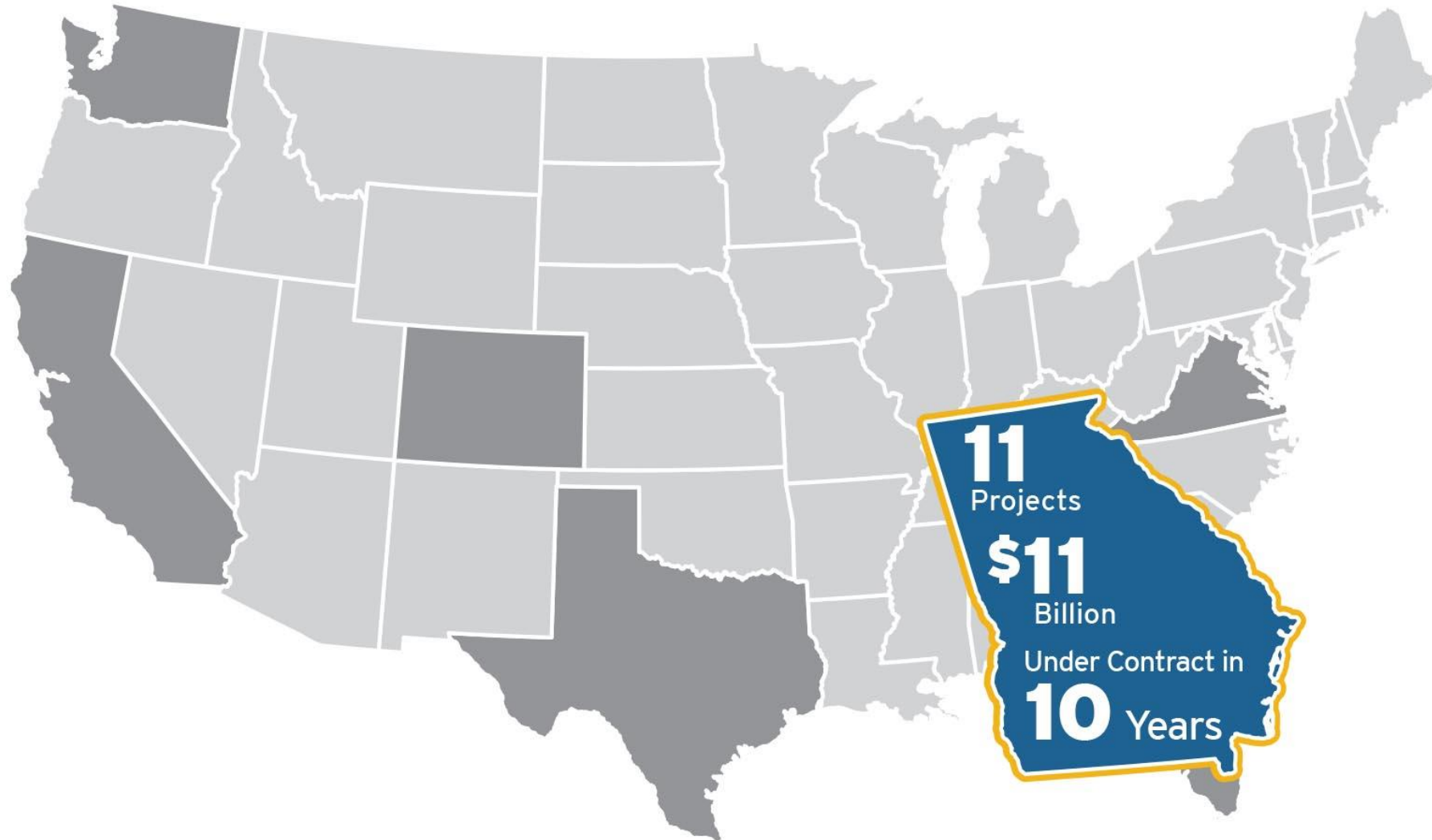
3 Major Interstate Widening Projects



1 Commercial Vehicle Lanes Project



One of the Largest Programs in Country



MMIP Schedule

Interchange Reconstruction:

I-16/I-95

I-285/I-20 East

I-285/I-20 West

Express Lanes:

I-285 Top End

I-75 to I-85

SR 400

I-285 to McFarland Pkwy.

I-285 East Wall

I-85 to I-20

I-285 West Wall

I-20 to I-75

Interstate Widening:

I-85 North

Hamilton Mill Rd. to SR 211

I-16

I-95 to I-516

I-85 North

SR 211 to US 129

Commercial Vehicle Lanes:

I-75

SR 155 to I-475

2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029

10/04/2017 | Dates represented are calendar years



The Design-Build process compresses project schedules by overlapping activities in the design and construction phases.



FY 2018 Project Updates

I-85 Widening

I-16 Widening and I-16/I-95 Interchange Improvements

I-85 Widening

- **Early MMIP Project**

- Provides an additional general purpose lane in each direction
- Replaces three off-system overpass bridges and two mainline bridges along I-85

- **Status: Apparent Best Proposer Selected**

- C.W. Matthews (ICE) - \$114.7M
 - DBE Goal: 13%
- Best value, variable scope procurement approach resulting in a **4-mile addition of capacity** (16 total miles)
- This advanced project to the next interchange, which is where the Amazon warehouse is located
- Process allows for multiple segments of traffic to open early



I-85 Widening Project

Bridges:



5 Replaced

New Lanes:



1 General Purpose Lane
in Each Direction

Retaining Walls:



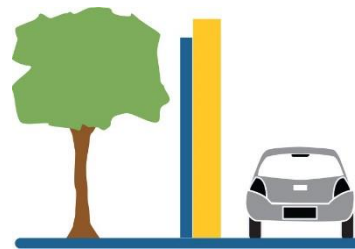
2 Proposed

Median Walls:



1 Proposed

Noise Walls:



10 Proposed

Cost:



Total Construction
Costs
\$135M

Procurement:

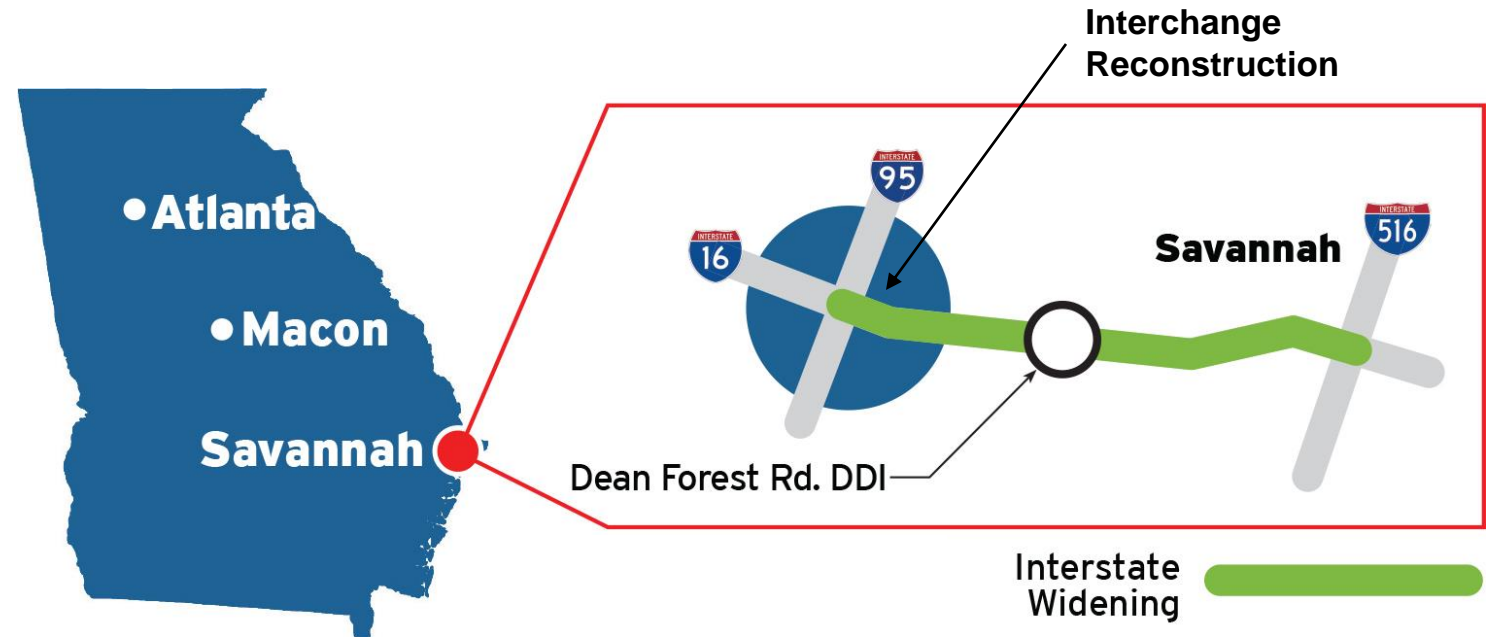


Design-Build

I-16 Widening and I-16/I-95 Interchange Improvement Projects

Early MMIP Project

- Reconstruct the busy I-16/I-95 interchange to improve safety and traffic flow
- Widen I-16 from 4-6 lanes from I-95 to I-516 to ease congestion
- Opportunity to reconstruct Dean Forest Road interchange if funds and bids align



Status: Procurement Phase

I-16/I-95 Improvements

Bridges:



- **2** flyover bridges
- **4** mainline bridges
- **2** bridges at Dean Forest Road

New Lanes:



- **2** loop ramps replaced with flyover bridges
- **1** collector-distributor (CD) lane
- **1** general purpose lane in each direction

Retaining Walls:



9 Walls

Improvements:



- **ITS** technology
- **New** lighting

Cost:



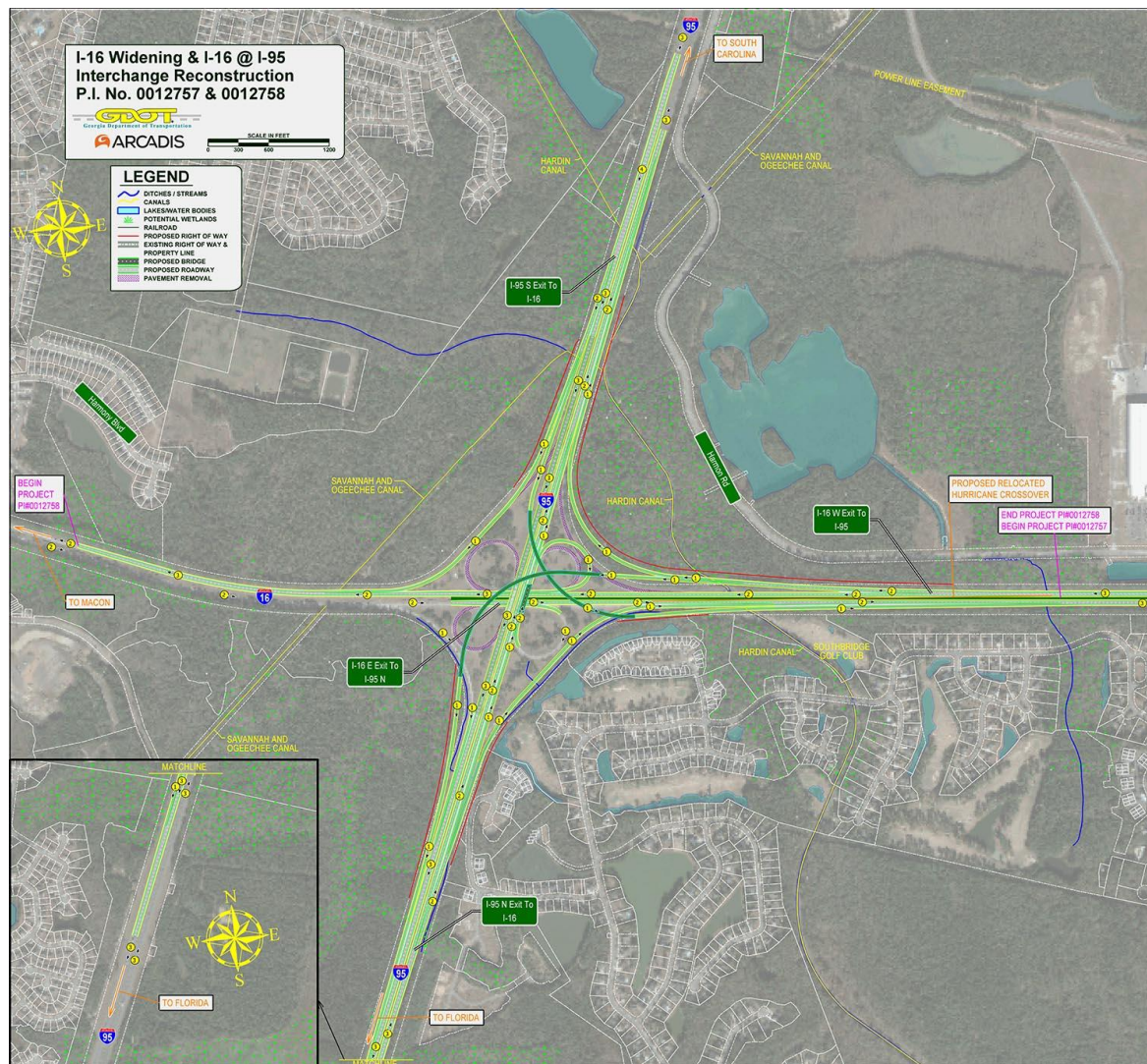
- I-16: **\$319M**
- Dean Forest DDI: **\$28M**

Procurement:



- **Best Value** Procurement
- **Design-Build** Delivery

I-16/I-95 Interchange Schematic





Engagement and Collaboration *Actions*

Industry Engagement



IBTTA Annual 85th Annual Meeting & Exhibition

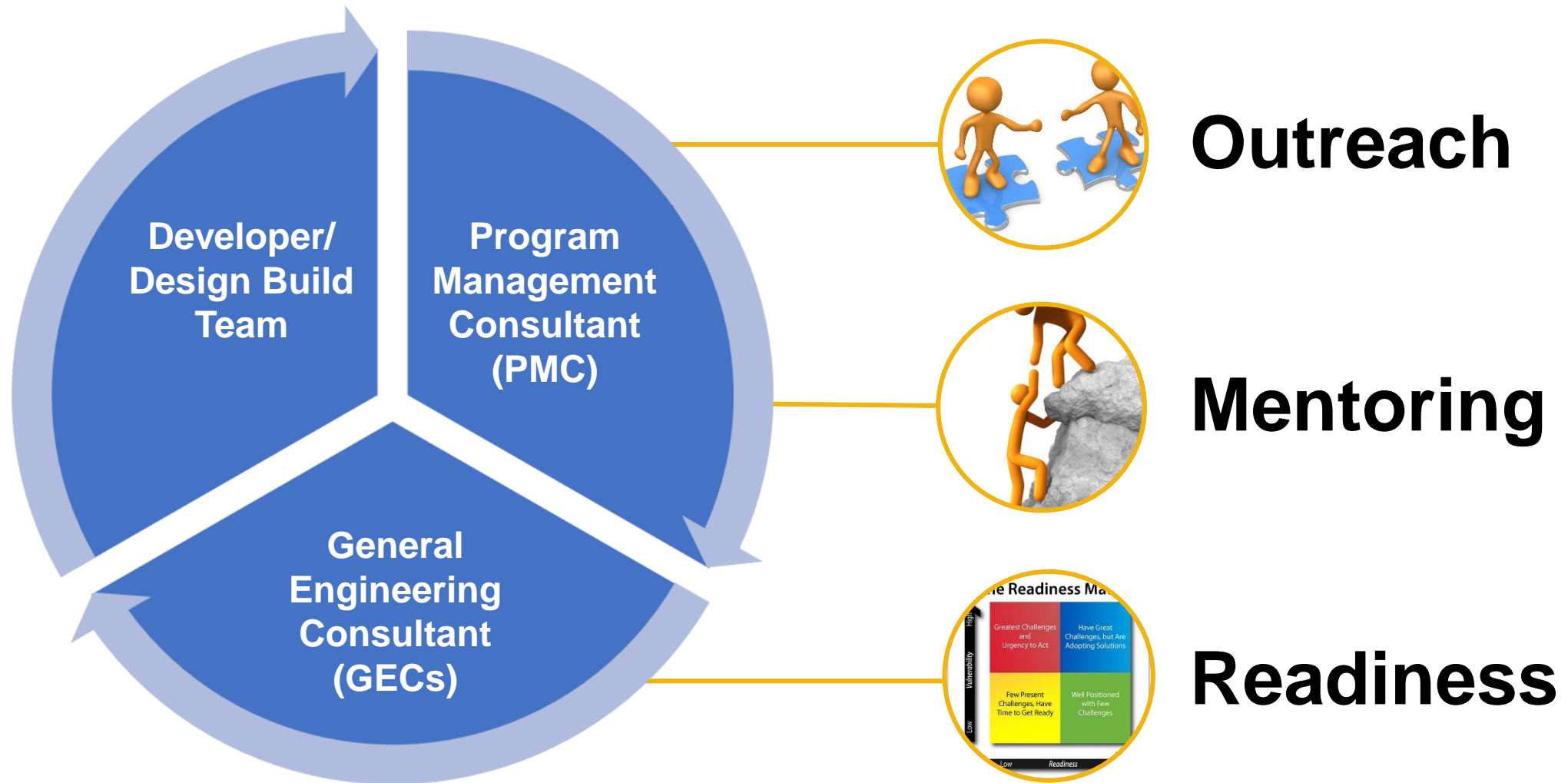
Community Collaboration



Transit Partnership



DBE Engagement



Key Upcoming Activities

Aligning
GEC Teams
for Success

Ongoing

STIP
Approval

Fall 2017

Procure
Remaining
GEC
Contracts

Fall 2017
Winter 2018

Northwest
Corridor
Express
Lanes Open

Summer 2018

I-85 Express
Lanes
Extension
Open

Fall 2018

Focus on Delivery

Program Contact and Information

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Program Information

www.garoads.org

www.dot.ga.gov/BS/Projects/MMIP

