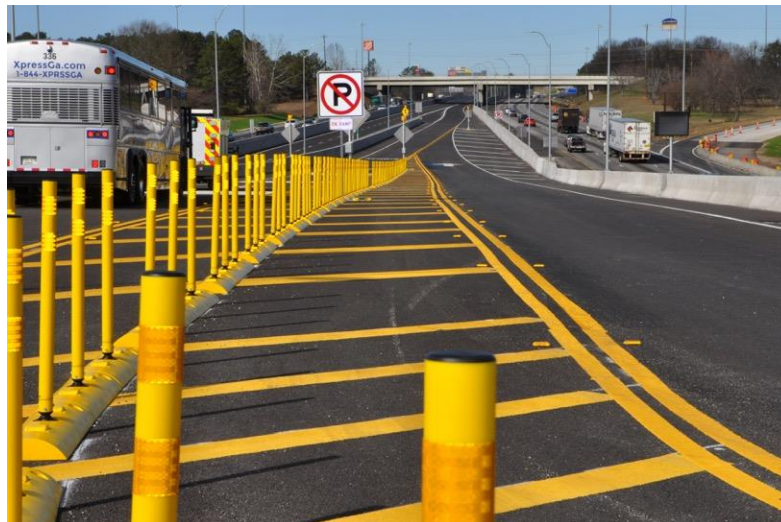




# Program Delivery Committee: Major Projects Update

January 16, 2019

Joe Carpenter, P.E., P3 Director



## We Will Cover

- Design-Build Program
- P3 Projects
  - Northwest Corridor Express Lanes
  - Transform 285/400
- Major Mobility Investment Program

# Design-Build Program Approach



# Design-Build Approach



Targeted Outcomes



Faster Construction



Severe Distress/  
Emergency Impacts



Reduces Lengthy  
Detours



Economic Impacts



Freight Movement



Posting on Weight



## Recent DB Developments



*Wilkes County, FY16 Bridge Bundle*



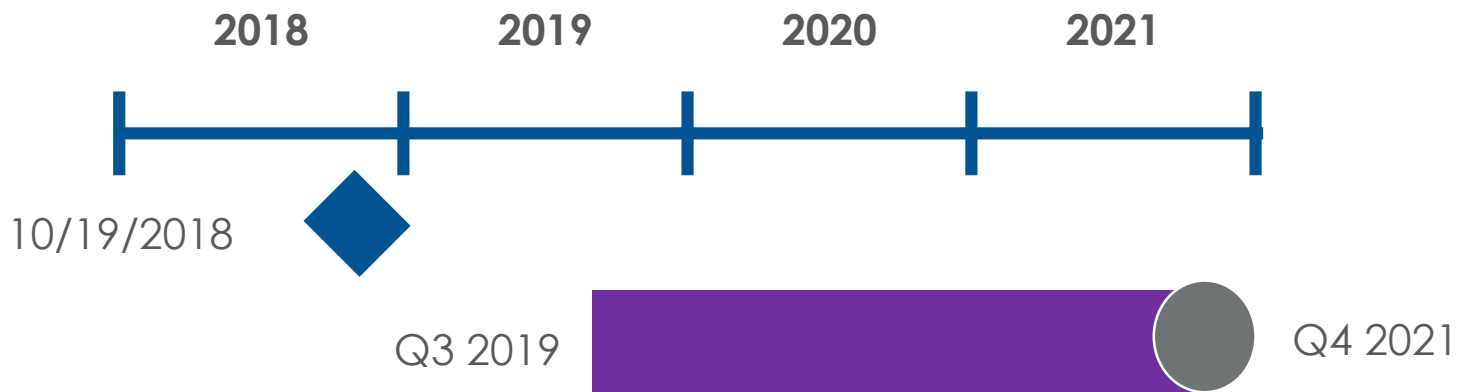
*SR 21 Pedestrian Bridge*



*Courtland Street Bridge*

## Recent DB Developments: I-20 at Savannah River Bridge

- DB Team: Superior Construction Company Southeast, LLC and WSP
- Total Budget: \$87.4M
- GDOT's first bi-state DB project; joint effort between SC and GA



### Legend

- ◆ Project Let
- Construction
- Open to Traffic

# Recent DB Developments: FY16 Bridge Bundle

- DB Team: 3 Teams
- Total Budget: \$50.2M
- Updating aging infrastructure
- 17 of 24 bridges are open to traffic



Bridges In Design: **3**

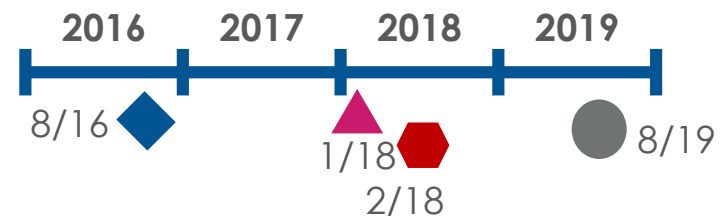


Bridges Under Construction: **4**



Bridges Open: **17**

## Example Timeline: Sandtown Road



### Legend



Kick-Off Meeting



Closed to Traffic



Construction starts

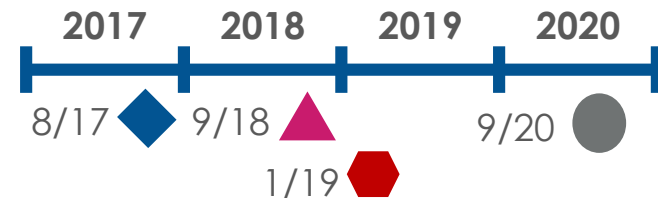


Contract Completion

# Recent DB Developments: FY17 Bridge Bundle

- DB Team: United Consulting/ICE
- Total Budget: \$24.8M
- Updating aging infrastructure
- Construction on first three bridges begins January 2019

## Example Timeline: Jones Martin Road



Bridges In Design: **10**



Bridges Under Construction: **3**

### Legend





# Recent DB Developments: FY18 Bridge Bundle

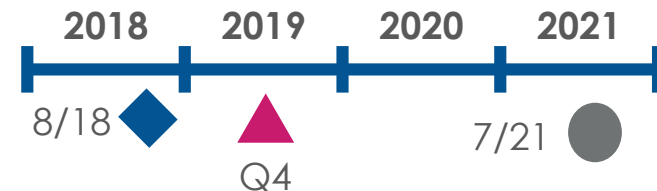
## FY18 Bridge Bundle

- DB Team: 2 Teams
- Total Budget: \$25.5M
- Updating aging infrastructure
- First bridge closures: Q3 2019



Bridges In Design: **11**

## Example Timeline: Houston Valley Road



### Legend



Kick-Off Meeting



Contract Completion

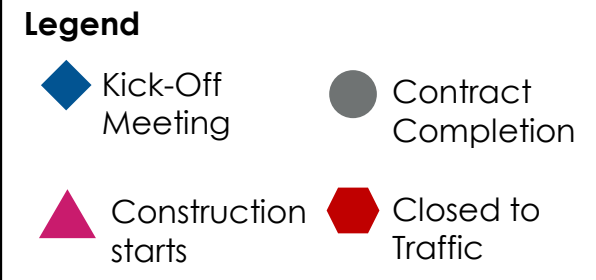


Construction starts

# Recent DB Developments: I-85 Corridor Bridges

- DB Team: Georgia Bridge & Concrete/Wolverton & Assoc.
- Total Budget: \$15.5M
- Updating aging infrastructure and to accommodate for the future widening of I-85
- Upcoming activities
  - Old Stagecoach Road closure: January 2019
  - Cedar Ridge Road closure: February 2019

## Example Timeline: Plainview Road



Bridges In Design: **2**



Bridges Under Construction: **2**



Bridges Open: **1**

# Recent DB Developments

## **SR 135 at Altamaha River**

- Total Budget: \$21.6M
- Includes TIA Band 2 Funding
- Upcoming activities
  - RFP: March 2019
  - Letting: July 2019

## **SR 53 at Chattahoochee River**

- Total Budget: \$25.5M
- Design is below the current design standards
- Upcoming activities
  - RFP: March 2019
  - Letting: July 2019

## **SR 247 and CR 5813 over Norfolk Southern Bridges**

- Total Budget: \$6.3M
- New bridge will allow for double-stacking containers
- Upcoming activities
  - RFP: April 2019
  - Letting: Q3 2019

## **Houlihan Bridge and Middle River Bridge**

- Total Budget: \$52.4M
- Degrading structural and foundational integrity
- Upcoming activities
  - RFP: February 2019
  - Letting: June 2019

# P3 Projects



# Northwest Corridor Express Lanes

## Opened to traffic September 8, 2018

- 39 bridges
- 68 retaining Walls
- 1.9 million square feet of sound barriers
- 13 toll access points
- 11 supplemental agreements



**98.8% of total DBF Contract Sum**



**\$35M of developer financing for payment to developer at Final Acceptance**



**Project will be delivered within \$834M budget**



# Northwest Corridor Express Lanes Success



Rush hour has been reduced by 1 hour



Total trips: 1.8 million



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



Average weekly fare: \$1.60



Weekday trip average: 23,600



# Transform 285/400

Designed to help reduce traffic congestion and safety in and near the I-285/SR 400 interchange. Adds new flyover ramps, CD lanes, and bridge replacements.



## Bridges

- Total: 32
- Under Construction: 10



## Retaining Walls

- Total: 152
- Under Construction: 14



## Sound Barriers

- Total: 16
- Under Construction: 1

## • Upcoming activities

- Mount Vernon Highway, phase 1 completion: Q2 2019
- Roadway cuts and fills
- Drainage installation
- Roadway surfacing
- Bridge installation
- MSE walls construction
- Noise barrier construction
- Utility relocations at Abernathy Road
- Blasting on I-285 eastbound



Bridge footing work at I-285 westbound





MSE wall construction





I-285/SR 400 interchange

# Major Mobility Investment Program



## 11 MMIP Projects



3 Major  
Interchange  
Projects



4 Major  
Express Lanes  
Projects



3 Major  
Interstate  
Widening  
Projects



1  
Commercial  
Vehicle  
Lanes Project



# Proactive Outreach to Date

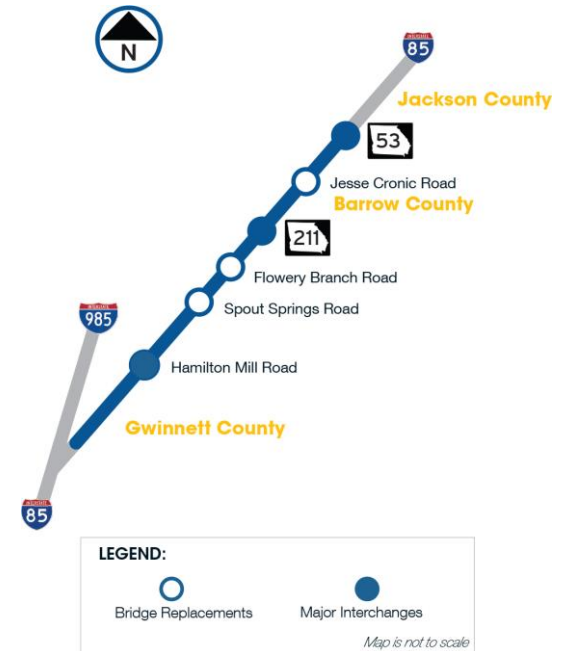
**Over 130 meetings** in  
the past 24 months  
with:

- HOAs
- Cities
- Counties
- Rotary clubs
- CIDs
- Schools



# I-85 Widening

- DB Team: C.W. Matthews, Infrastructure Consulting & Engineering
- \$135M
- Adds 26 new lane miles and replaces three overpass bridges
- Construction start: July 2018
- Open to traffic: 2020
- Second phase to begin in 2025
- Upcoming activities
  - Spout Springs Road Bridge detour and demolition: January 21
  - Grading
  - Median drainage



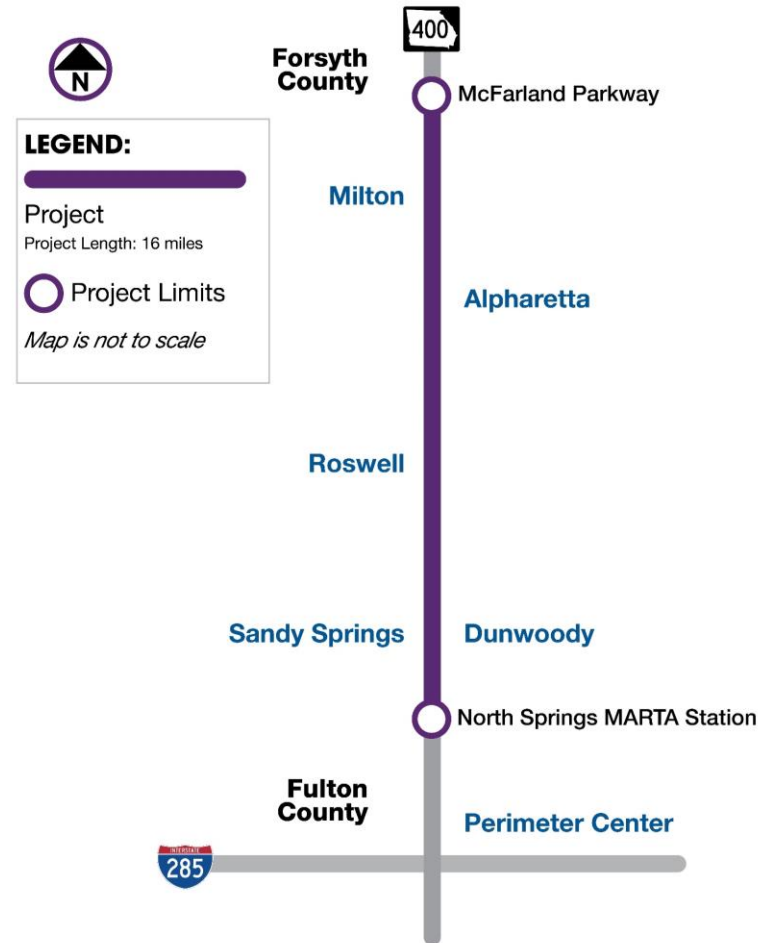
# 16@95 Improvement Projects

- DB Team: Savannah Mobility Contractors (SMC)
- \$308.2M
- Reconstructs directional ramps at I-16/I-95 interchange and widens I-16
- Upcoming activities
  - Mobilization of project team to Savannah
  - Community/neighborhood outreach
  - Project field data collection
  - Ceremonial groundbreaking: Q2/Q3 2019



# SR 400 Express Lanes

- GEC: AECOM
- \$1.2B
- Upcoming activities
  - ROW impact meetings: February
  - PNA: Q2 2019
  - RFQs: Q4 2019
  - Construction to start late-2021



# SR 400 Express Lanes Public Involvement Timeline



**2017:**  
Environmental  
process  
began



**2019:**  
**January 14**  
Fulton County  
Schools meeting

**January 16**  
Fulton County  
Schools meeting



**2019:**  
**February 5**  
Early ROW  
meeting

**February 7**  
Early ROW  
meeting



**2019:**  
**February 28**  
PIOH 1 & 2

**March 5**  
PIOH 3

**March 7**  
PIOH 4

**March 12**  
PIOH 5



**2019-2020:**  
Right-of-way  
(ROW)  
acquisition



**2021:**  
**Q1/Q2**  
PHOHs  
**Q3/Q4**  
Final EA

Construction  
starts

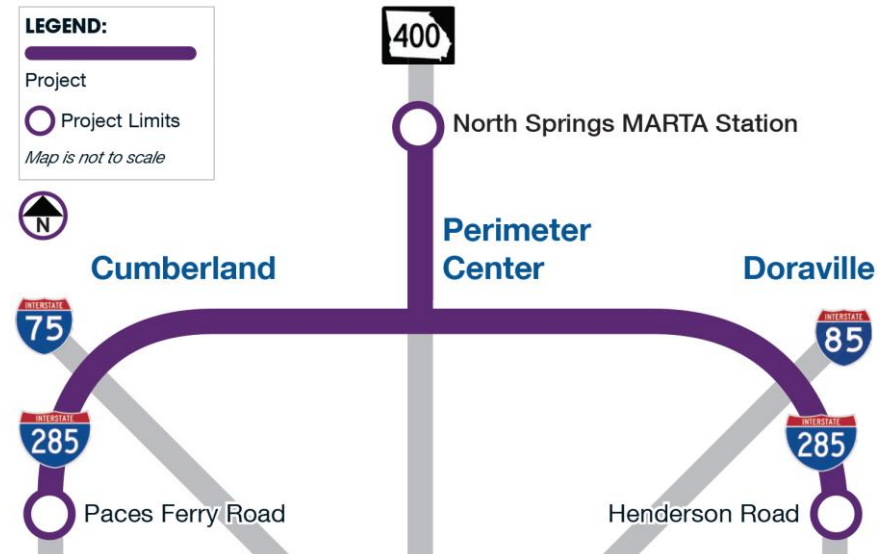


**2024:**  
Open  
to traffic

**Continuous Community Involvement**

# I-285 Top End Express Lanes

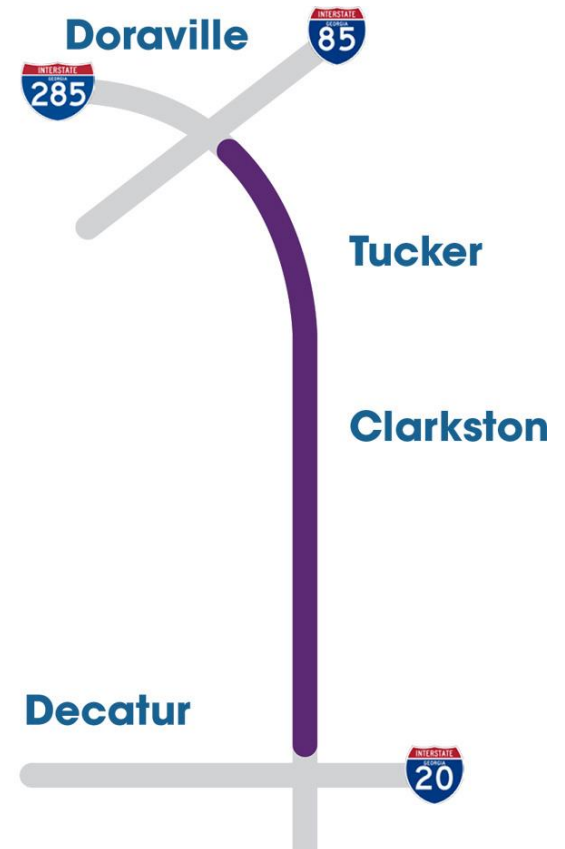
- GEC: Jacobs
- \$4.6B
- Upcoming activities
  - TIP Amendment to adjust project limits and budget
  - Early ROW acquisitions
  - Community meetings: Q1 2019
  - Public Information Open Houses (PIOHs): Late-2019/Early-2020
  - Construction to start 2022





# I-285 Eastside Express Lanes

- GEC: Atkins
- \$784M
- Upcoming activities
  - Finalize Need and Purpose
  - Draft Concept report: February
  - PIOHs: Q2/Q3 2019



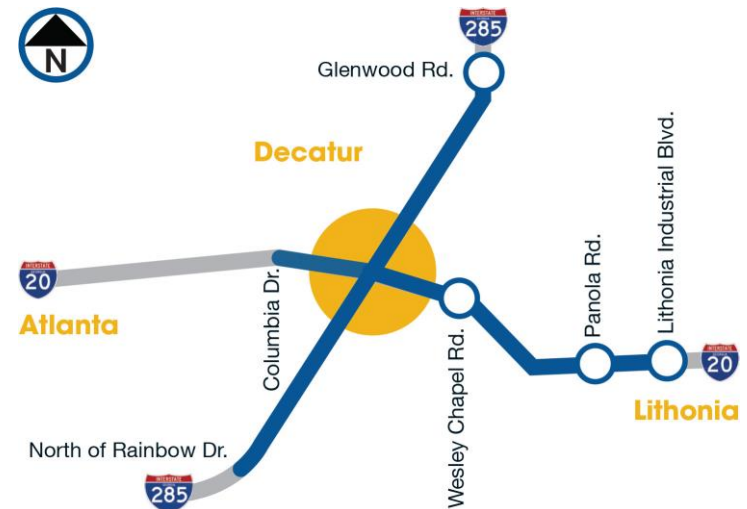
# I-285 Westside Express Lanes

- GEC: ARCADIS
- \$422.6M
- Upcoming activities
  - Traffic count collections
  - Status meetings with GEC to begin late-January/early-February
  - PIOHs: Q2/Q3 2020



# I-285/I-20 East Interchange

- GEC: Parsons Transportation Group
- \$449.7M
- Upcoming activities
  - Preparing Alternative Concepts that do not preclude the future I-20 Express Lanes.
  - Develop future year traffic volumes
  - PIOHs: Q2/Q3 2019



# I-285/I-20 West Interchange

- GEC: WSP
- \$412.5M
- Upcoming activities
  - Determining ROW needs
  - Status meetings with GEC to start late-January/early-February
  - On-board traffic count vendor
  - PIOHs: Q2/Q3 2020



# I-75 Commercial Vehicle Lanes

- GEC: RS&H, Inc
- \$1.6B
- Upcoming activities
  - Environment survey memos
  - Henry County SPLOST/engineering meeting: Q2 2019
  - PIOHs: Q2/Q3 2020



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