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
- Reduces Lengthy Detours
- Economic Impacts
- Severe Distress/Emergency Impacts

Freight Movement
Posting on Weight
Recent DB Developments

- Located in 17 Counties
- Open to Traffic by 2018
- Close up to 180 days during construction

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
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
- Blue diamond: Kick-Off Meeting
- Red: Closed to Traffic
- Pink triangle: Construction starts
- Grey: Contract Completion

Timeline:
- 2016: 8/16
- 2017: 1/18, 2/18
- 2019: 8/19
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
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

Example Timeline:
Houston Valley Road

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>Kick-Off Meeting</td>
<td>8/18</td>
</tr>
<tr>
<td>2019</td>
<td>Construction starts</td>
<td>Q4</td>
</tr>
<tr>
<td>2020</td>
<td>Contract Completion</td>
<td>7/21</td>
</tr>
</tbody>
</table>

Legend:
- ▲ Construction starts
- ■ Kick-Off Meeting
- ● Contract Completion
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
  o Old Stagecoach Road closure: January 2019
  o 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 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

**SR 53 at Chattahoochee River**
- Total Budget: $25.5M
- Design is below the current design standards
- Upcoming activities
  - RFP: March 2019
  - Letting: July 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
- Travel speeds are 30% faster in the express lanes than in the general purpose lanes
- Total trips: 1.8 million
- 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
• GEC: Jacobs
• $4.6B
• Upcoming activities
  o TIP Amendment to adjust project limits and budget
  o Early ROW acquisitions
  o Community meetings: Q1 2019
  o Public Information Open Houses (PIOHs): Late-2019/Early-2020
  o 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
THANK YOU
For Viewing

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