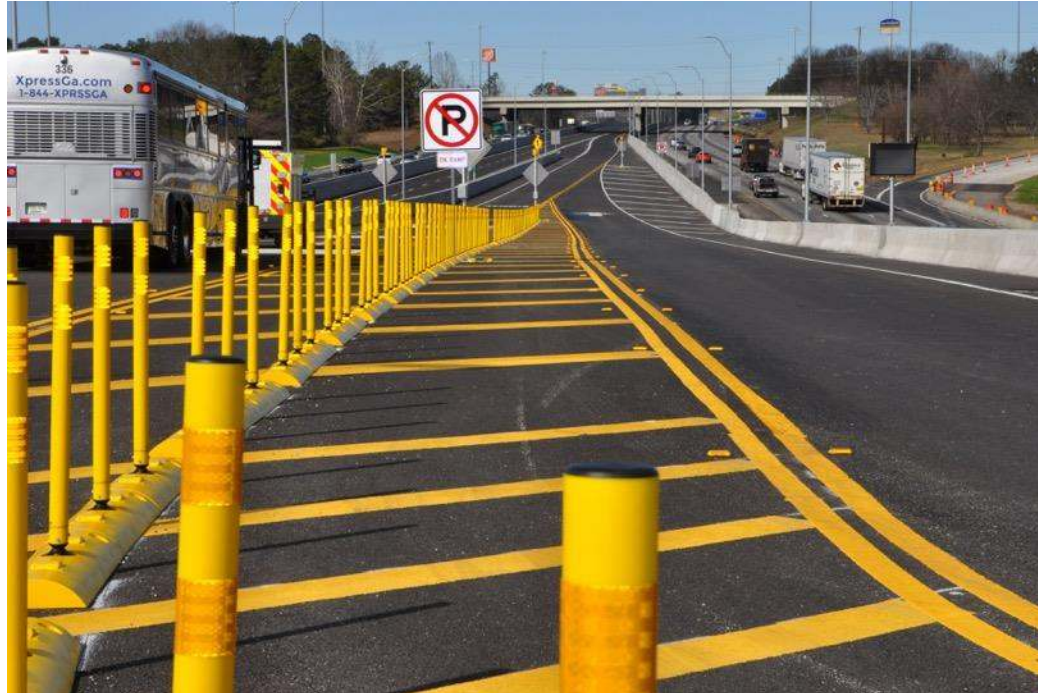




Design-Build Program Update

Andrew Hoenig
Office of Alternative Delivery
October 6, 2021



P3 Division

DELIVERY MODEL

**Design-
Build**

**Public-Private
Partnerships**

**Private
Revenue**

CONTRACTING METHODS

**Design-
Build**

**Design-Build-
Finance**

**Design-Build-
Finance-Maintain**

**Design-Build-
Finance-Operate-
Maintain**

PROCUREMENT METHODS

**One Phase Low Bid
Two Phase Low Bid
Best Value**

Best Value

Best Value

Design-Build Program

Benefits:

- Accelerated construction
- Earlier open to traffic
- Construction and design innovation
- More price certainty



Design-Build GEC/ CEI Procurement



GEC and CEI Opportunities

Existing Contracts

- Statewide GEC
 - Pre-Let
 - \$100M
 - Expires June 15, 2022
- Districts 1, 6, & 7 CEI
 - Post-Let
 - \$15M
 - Expires October 31, 2022
- Districts 2, 3, 4, & 5 CEI
 - Post-Let
 - \$15M
 - Expires October 31, 2022

Upcoming Opportunities

- New GEC and CEI contracts provide scope for pre-let and post-let services
- Projects grouped together by Georgia DOT District
- Anticipate a five-year IDIQ contract

Anticipated GEC/CEI Roles & Responsibilities

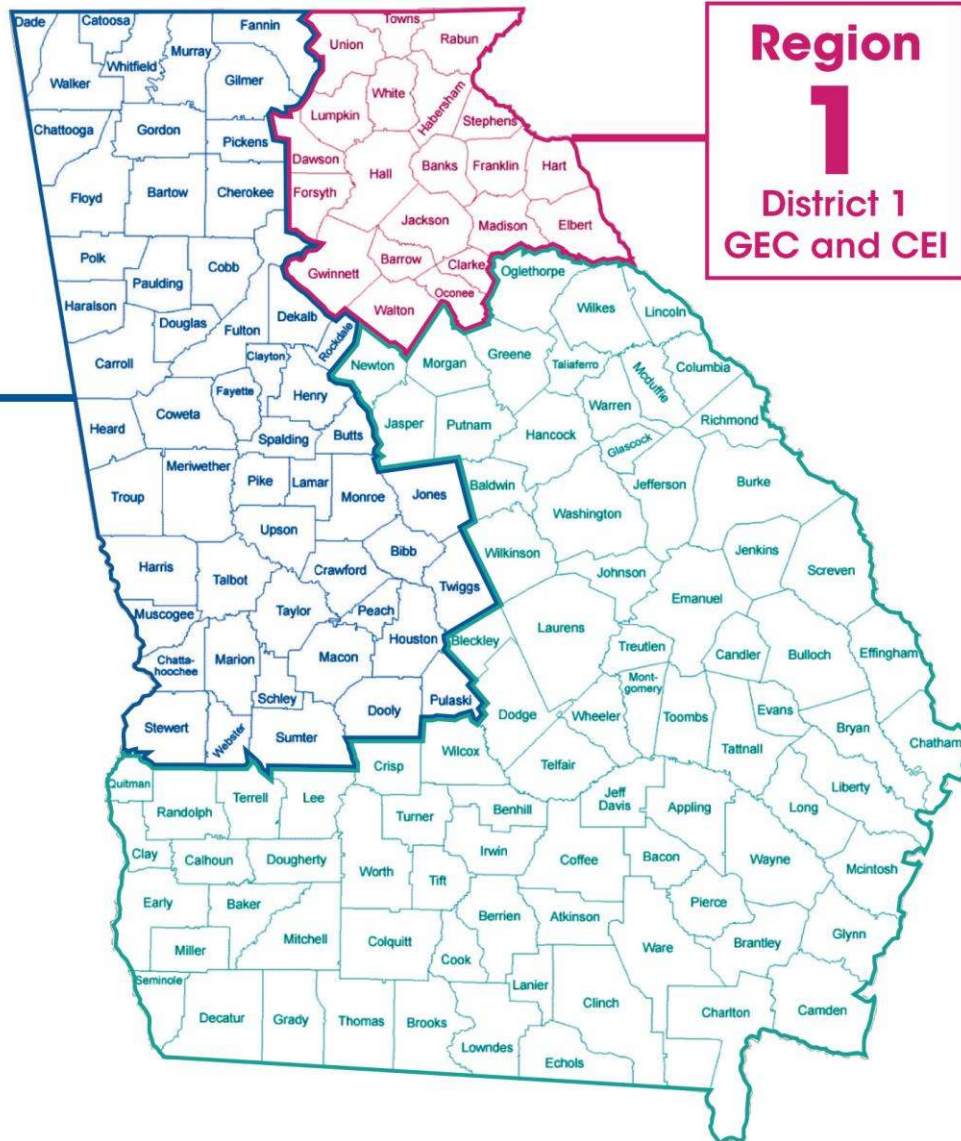
Pre-Let Roles & Responsibilities

- Potential Designer of Record including design development services to align with alternative contracting methods, specifically CMGC as defined in Section 32-2-82 of the Official Code of Georgia Annotated
- Procurement support
- Project studies and analyses
- Pre-scoping and early schematics
- Scoping and Costing Plans through NEPA approval
- Environmental studies and documents through NEPA approval
- Cost estimating services
- CPM schedules
- Concept Report development
- Utility coordination and SUE

Post-Let Roles & Responsibilities

- NEPA revaluation support
- Design oversight/submittal review
- Construction Engineering Inspections (CEI)
- ROW plan preparation (does not include ROW acquisition services)
- Cost estimating services
- Contractor CPM schedule reviews

GEC and CEI Contract Regions



Region	Approximate Contract Value	Approximate D&C Value
Region 1	\$55 million	\$538 million
Region 2	\$25 million	\$181 million
Region 3	\$10 million	\$105 million

Region 3
Districts 2, 4, & 5 CEI

Post-let Projects

<http://www.dot.ga.gov/PS/Innovative/DesignBuild>



SR 135 over Altamaha River Bridge

- Bridge replacement – new bridge built west of existing w/ no closure to traffic
- Partially TIA funded
- Scott Bridge Company/Heath & Lineback
- New bridge opened Sept 24
- Existing bridge demo starts October 2021
- Estimated substantial completion
 - Q2, CY 2022



SR 53 WB over Chattahoochee River/Lake Lanier

- Remove and replace WB bridge structure
- DB team - E.R. Snell/Atlas
- NTP 3 issued, construction in progress
- Estimated substantial completion – Q4, CY 2022
- <https://app.oxblue.com/open/ersnell/sr53@chattahoochee>



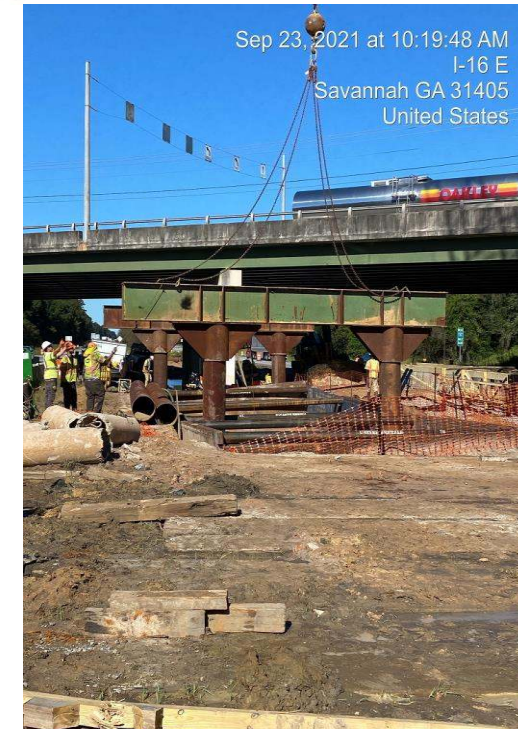
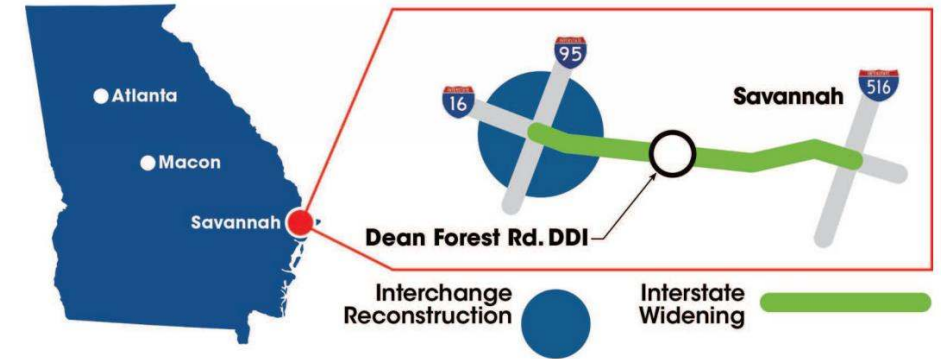
I-20 @ Savannah River Bridge

- Replaces bridges over Savannah River and Augusta Canal
- Widens 1.8 miles of roadway
- Superior Construction Company Southeast, LLC and WSP USA
- Estimated substantial completion CY 2023
- https://share.earthcam.net/tJ90CoLmq7TzrY396Yd88E4PKLLrvx4liWZfyl2yNzo!/i-20_bridge_augusta_georgia/camera_1/dashboard



SR 307/Dean Forest at I-16 DDI

- Replaces existing bridge and constructs a Diverging Diamond Interchange
 - Adds bicycle & pedestrian facilities on two bridges
- Reeves/ ICE
- Construction underway
- Estimated substantial completion – Q4, CY 2022



Statewide ITS DMS Deployment

- Installs 5 Dynamic Messaging Signs (DMS)
 - 3 in Cobb and Cherokee Counties for I-75 and I-575 Express Lanes
 - 2 in Chatham County
- Brooks-Berry-Haynie/Atkins
- Final plans approved & fabrication in progress
- Estimated substantial completion – Q1, 2022



I-285 Eastside Bridge Replacements – Advanced Improvement Project

- Bridge replacements over I-285 at SR12 (Covington Highway); Redwing Circle; Glenwood Road
- Archer Western/ ICE
 - Lowest Price & Highest Technical
- NTP 1 issued July 2021
- DB team working on final design
- ROW acquisition in progress
- Estimated substantial completion Q2, CY 2023 (719 days from NTP 1)



I-285/PIB Interchange Improvements- Advanced Improvement Project

- Combines I-285 Westbound exit ramps to Peachtree Industrial Boulevard North and South
- Adjusts horizontal curve of the North exit ramp to reduce bottleneck from I-285
- E.R. Snell/Atlas
- NTP 1 – May 2021
 - Final design in progress
- Estimated substantial completion Q4, CY 2023



I-85 Widening, Phase III

- Widens I-85 one lane on the inside median northbound and southbound beginning at US 129 in Jackson County and ending at US 441 in Banks County
- E.R. Snell/WSP-USA
- NTP 1 – September 2021
- October pre-construction kick-off
- Estimated substantial completion Q3, CY 2024



SR 25 over Savannah River/Middle River Bridges

- Replaces 2 bridges in Chatham County
- Awarded to Scott Bridge Company/Michael Baker Inc. on Oct 4
- \$65.5 Million - Lowest Price & Highest Technical
- Early Opening of Houlihan Bridge 865 days after NTP 1
- Substantial Completion 1159 days after NTP 1



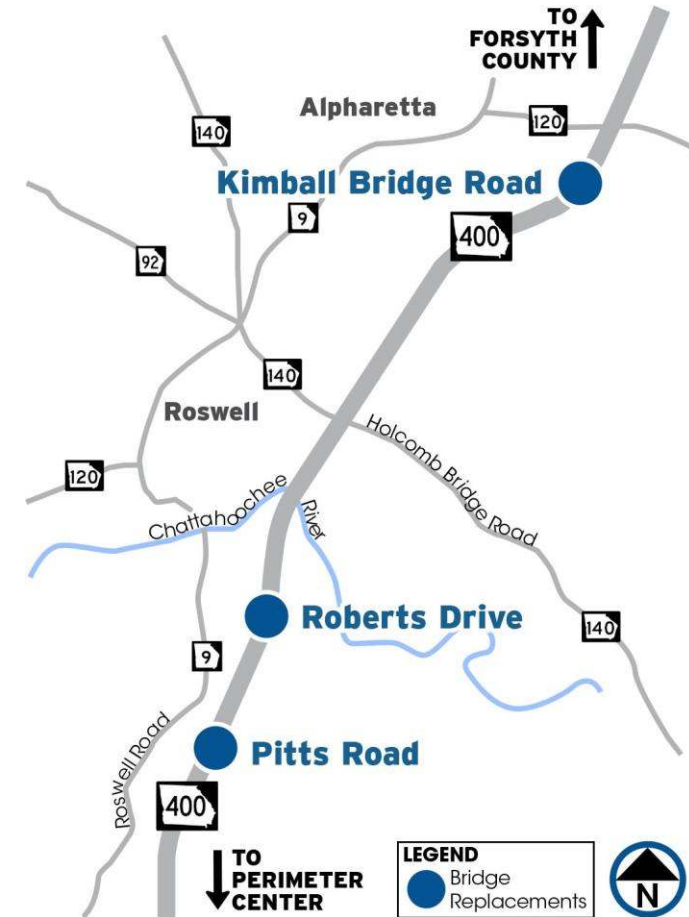
Pre-Let Projects

<http://www.dot.ga.gov/PS/Innovative/DesignBuild>



SR 400 Phase I Design-Build

- Replace existing **Pitts Road**, **Roberts Drive**, and **Kimball Bridge Road** bridges over SR 400
- Environmentally cleared under SR 400 Express Lanes (PI# 0001757)
- PNA and NTC - 9/30/21
 - <https://ssl.doas.state.ga.us/gpr/eventDetails?eSourceNumber=2248401PNA-484-09302021DB-A&sourceSystemType=doas>
- RFQ Advertisement – Oct 29 2021
 - Low Bid (All Qualified)
- Letting – April 2022



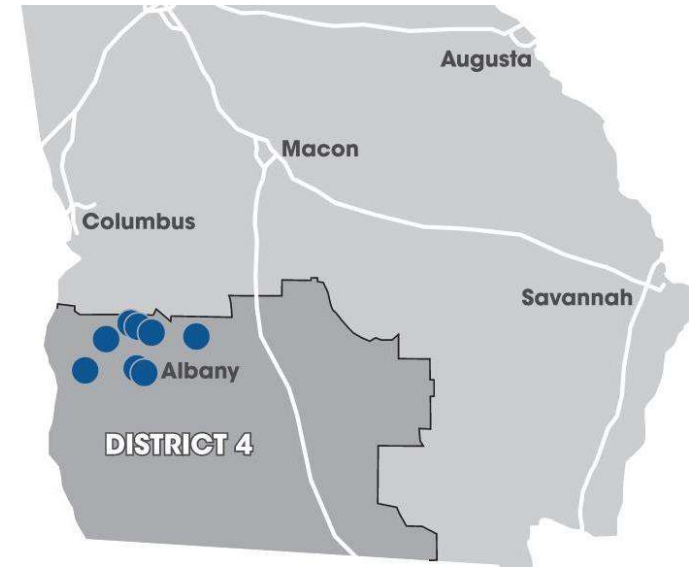
I-285 Westbound Auxiliary Lane Extension – Advanced Improvement Project

- Extends the westbound auxiliary lane between SR 9 (Roswell Road) and Riverside Drive
- Design GEC – Arcadis/Jacobs
- Replaces Mt. Vernon Bridge
- PNA and NTC - 9/30/21
 - <https://ssl.doas.state.ga.us/gpr/eventDetails?eSourceNumber=2248401PNA-484-09302021DB-B&sourceSystemType=doas>
- RFQ Advertisement – December 2021
 - Low Bid (shortlist)
- Letting – May 2022



FY 22 Bridge Replacements

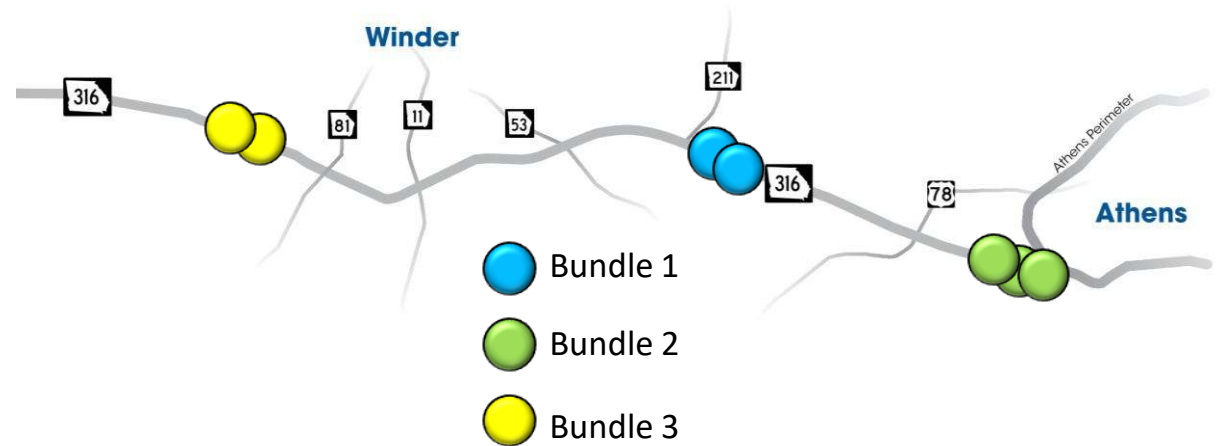
- Replaces bridges in District 4
- Design GEC – Arcadis
- Developing accelerated design schedule
- PNA advertisement – December 2021
- Letting – Summer CY 2022
- Anticipate Low Bid (All Qualified)



County	Location (Road Carried)	Over
Calhoun 1	CR 149 / Elam Church Rd	Falling Creek
Calhoun 2	CR 134 / Rice Rd	Falling Creek
Lee	CR 3 / Smithville Rd	Muckaloochee Creek
Randolph 1	CR 160 / Morgan Rd	Cemochechobee Creek
Randolph 2	CR 152 / Recreation/Camp	Pachitla Creek
Terrell	CR 82 / Cox Rd	Mossy Creek

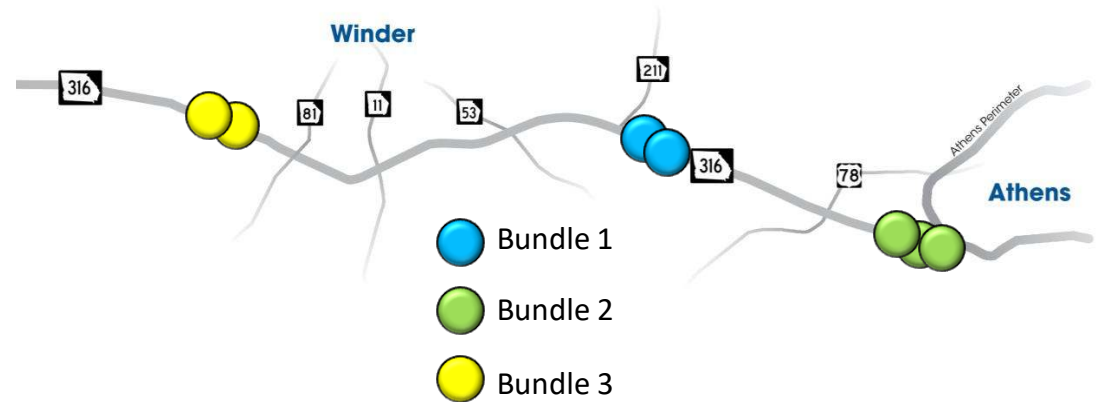
SR 316 Grade Separation - Bundle 1

- Barrow County
- Two Interchanges at SR 211 and Barber Creek Road
- Design GEC – Arcadis
- Concept Report in development
- Environmental surveys in progress
- PIOH – Spring 2022
- Letting – mid-year 2023



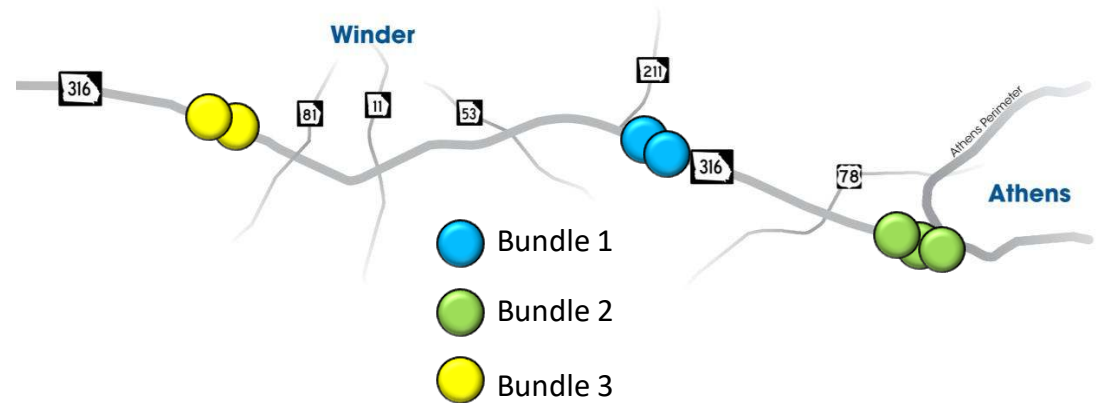
SR 316 Grade Separation - Bundle 2

- Oconee County
- Two Interchanges at Jimmy Daniel Road and the Oconee Connector, one grade separation at Virgil Langford
- Design GEC – Arcadis & CHA
- Concept Report in development
- Environmental surveys in progress
- PIOH – Late CY 2022
- Letting – Late 2023



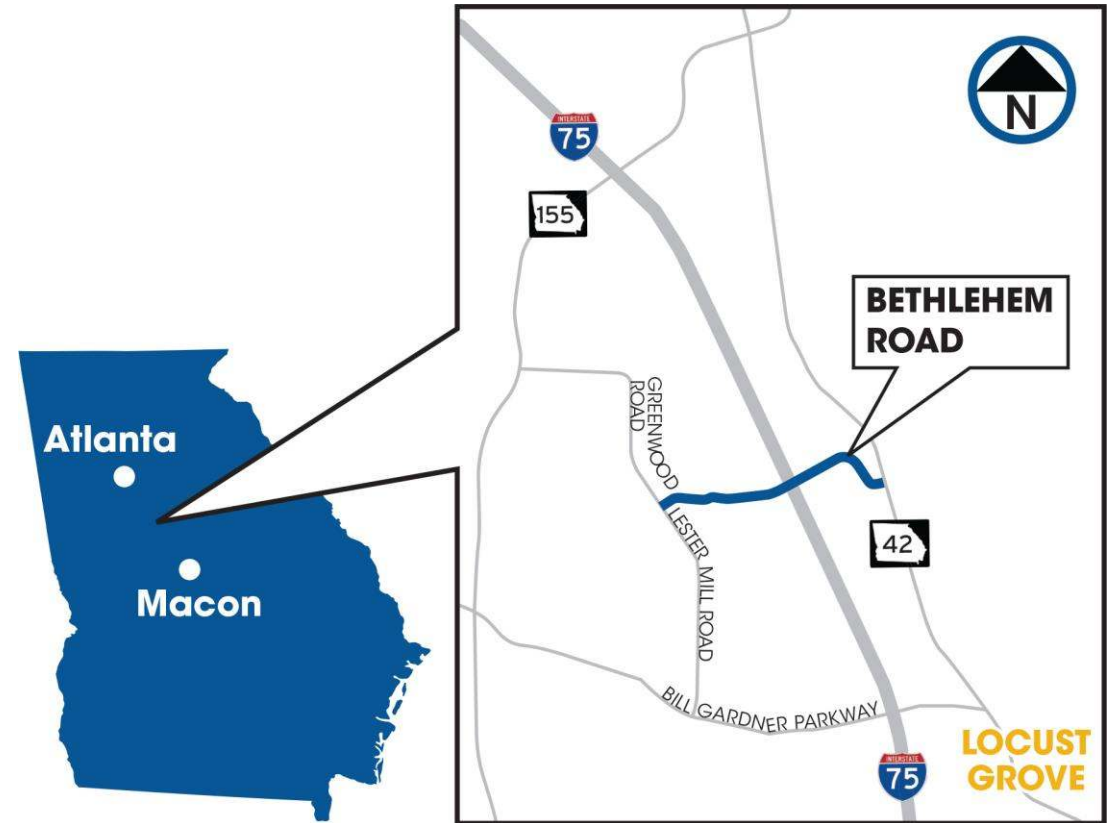
SR 316 Grade Separation - Bundle 3

- Barrow County
- One grade separations at Carl-Bethlehem Road and one Interchange at Kilcrease Road
- Design GEC – Arcadis
- Baseline design schedule being developed



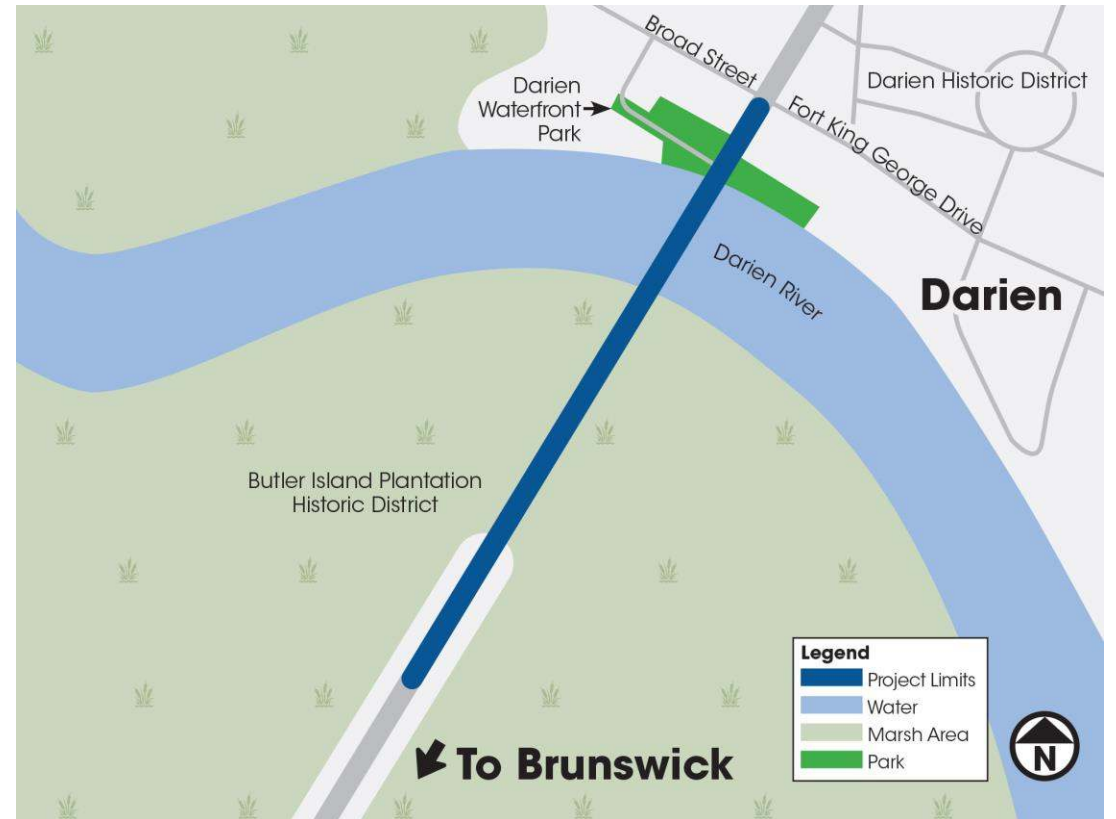
I-75 at Bethlehem Road Interchange

- New Diamond interchange with general purpose ramps and local access connections
- Design GEC – Arcadis
- Coordinating work with I-75 Commercial Vehicle Lanes
- Developing design alternatives
- Environmental field work in progress



SR 25 over Darien River Bridge

- McIntosh County
- Replaces the existing bridge over Darien River
- Design GEC – Arcadis
- Previously design-bid-build
- Concept Report approved
- Environmental documents in progress
- Developing schedule for DB



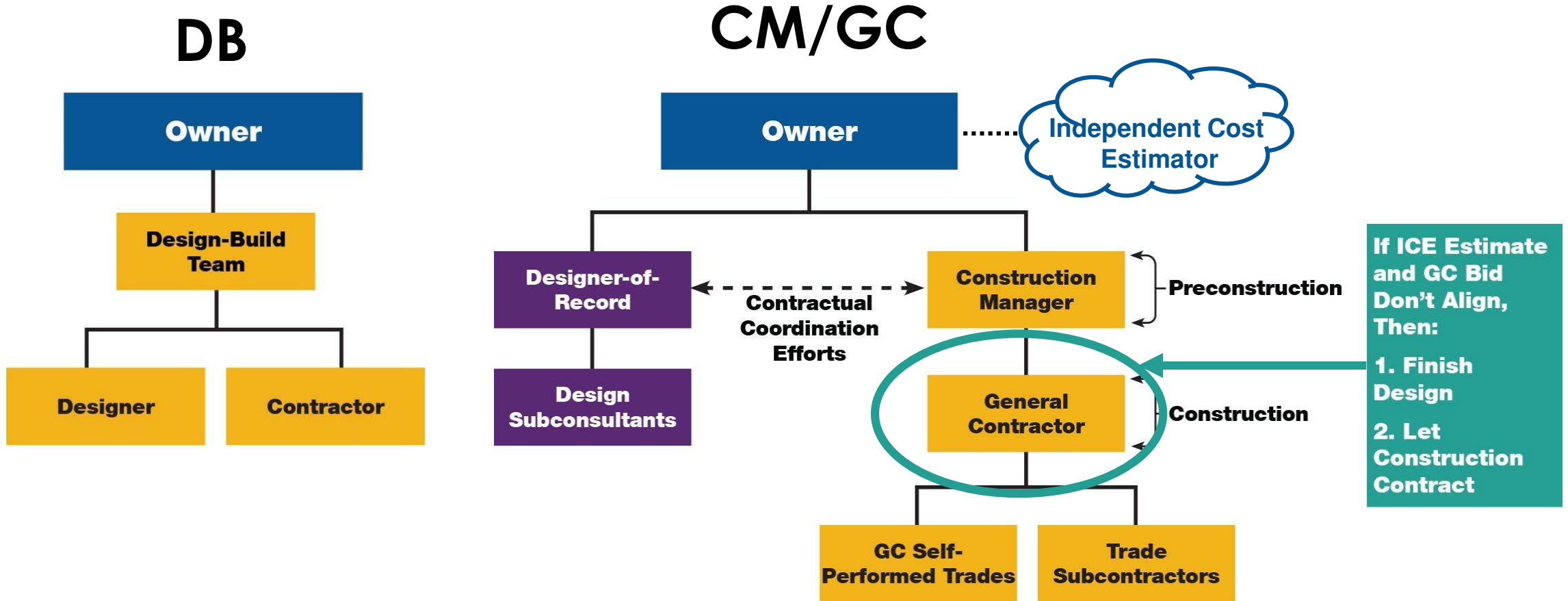
CM/GC



Construction Manager/General Contractor Alternative Delivery Method

- **HB 577** enacted and signed into law
 - Authorizing GDOT to utilize the Construction Manager/General Contractor (“CM/GC”) alternative contract delivery method
- GDOT is in the process of drafting **Rules & Regulations**
- GDOT will develop a **CM/GC Manual**

Design-Build (DB) vs. CM/GC (Board Slide)



Notes:

- CM/GC must self-perform 30% of the total price of the construction work on the project
- Subject to the successful negotiation of terms

THANK
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