

FY 2016 Bridge Replacements Design-Build Industry Forum 11/05/2015

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Disclaimer Statement

At this meeting the Department will provide information about the project's delivery goals, anticipated scope, anticipated Design-Build procurement process, and potential risks. Participants will be encouraged to ask questions during this meeting; however any information provided by Department shall be considered as informational only and is subject to change.

Agenda

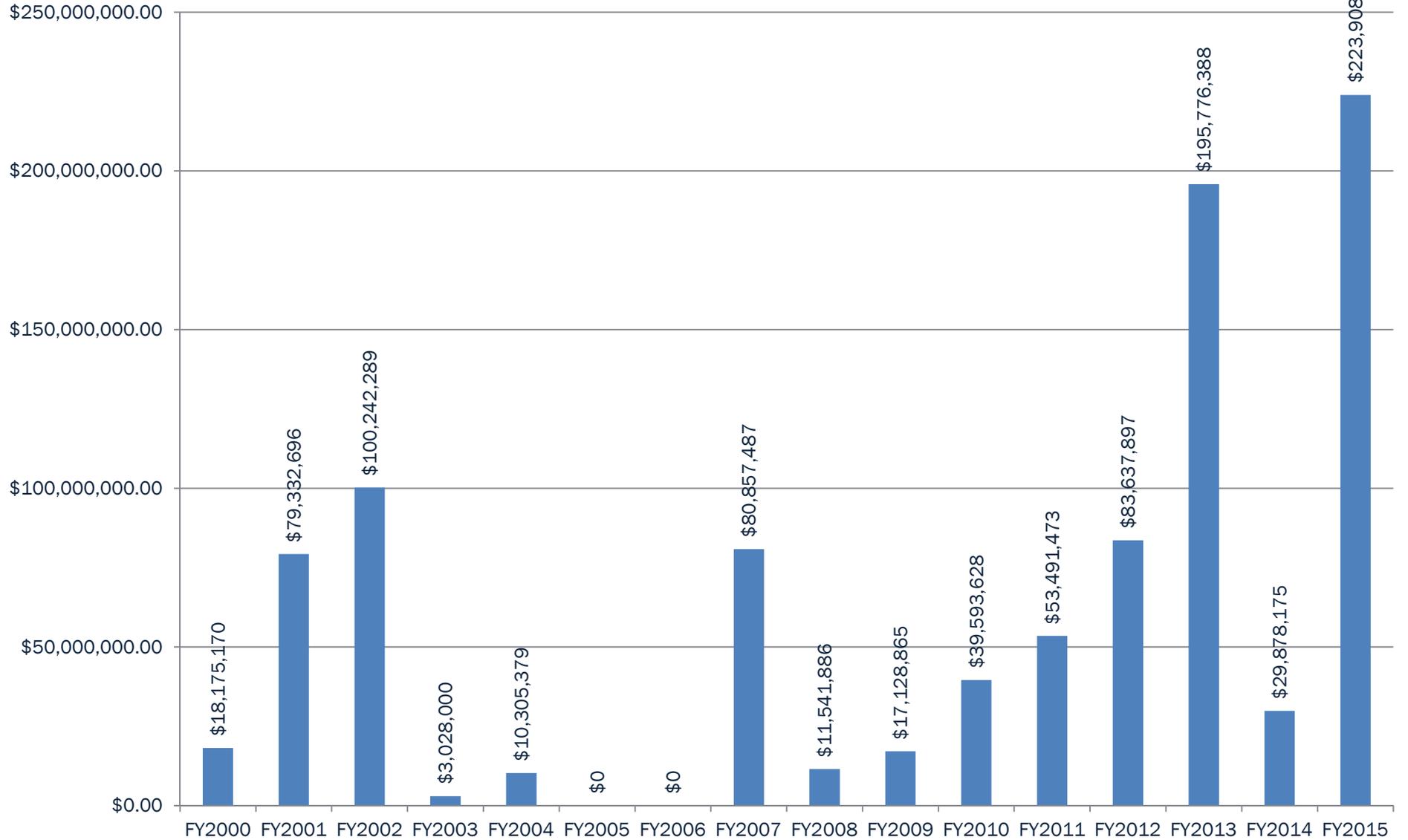
- Design-Build Overview
- Bridge Locations
- Project Goals and Overview
- Risk Mitigation Strategies
- Procurement Process
- Schedule
- Open Discussion

Design-Build Overview

- Design-Build
 - Combines preconstruction related services with construction services into **one contract**
 - Allows the contractor to participate in the project's design in an effort to **reduce costs, improve communication and expedite project delivery**
- Governed by
 - 23 Code of Federal Regulations (CFR) Part 636
 - Georgia Code Section 32-2-81 (*Enacted 2004*)
 - Board Rules, Chapter 672-18 (*Adopted 2006 & 2013*)

GDOT Design-Build Overview

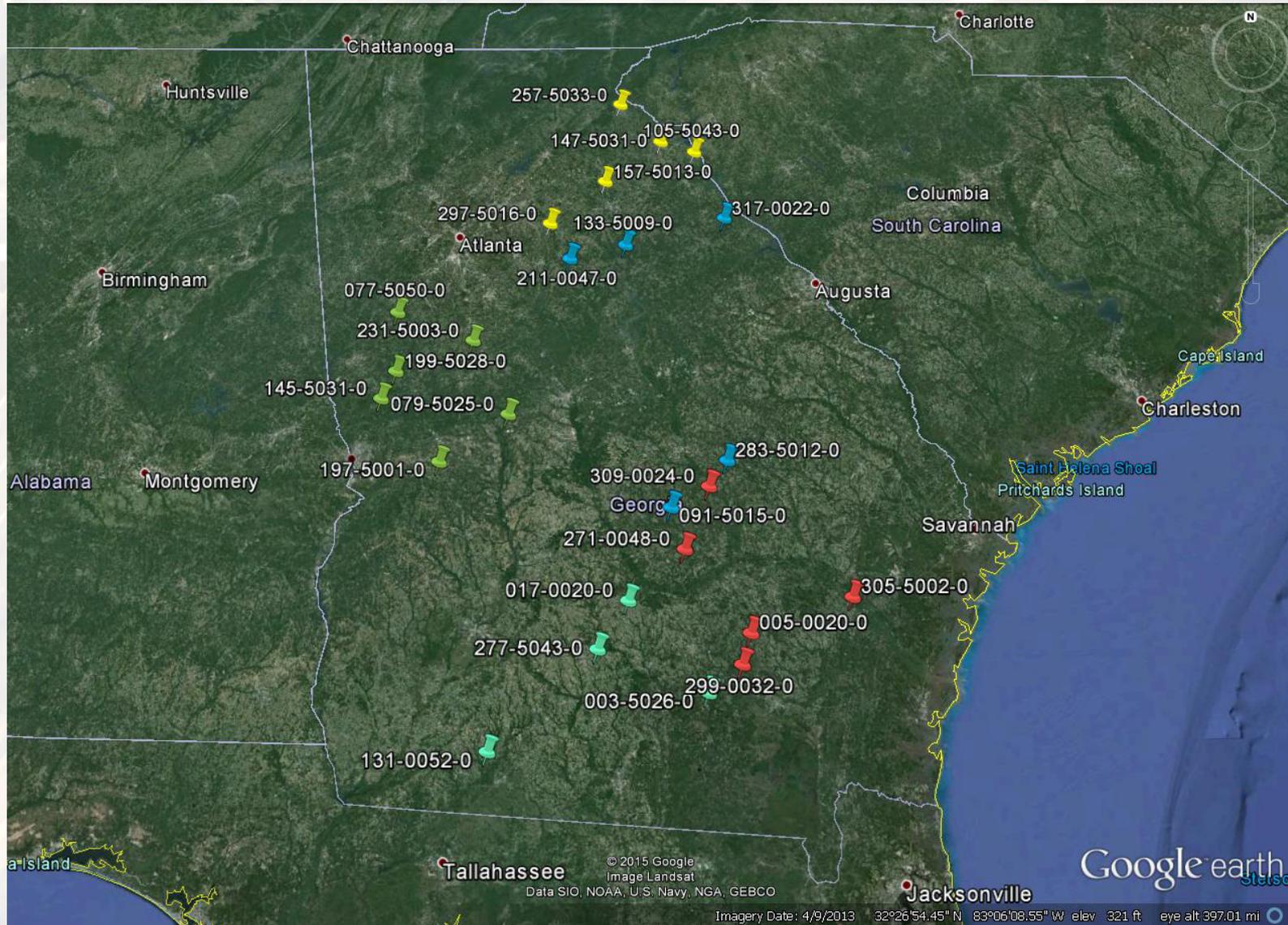
30 Contracts Awarded
\$946,898,025



Anticipated Project Locations

Bridge Serial Number	Feature Carried	Feature Intersected	Location	County Name	Dist	FEMA Zone
105-5043-0	CARPENTER ROAD	COLDWATER CREEK	4.5 MI NW OF RUCKERSVILLE	ELBERT	1	Zone A
297-5016-0	OLD GA 138	BIG FLAT CREEK	3 MI NE OF WALNUT GROVE	WALTON	1	Zone A
147-5031-0	CR 152	PRUITT CREEK	3 MI N OF VANNA	HART	1	Zone A
257-5033-0	CURRAHEE LANE	NORTH FORK BROAD RIVER	3.2 MI SW OF TOCCOA	STEPHENS	1	Zone A
157-5013-0	CHANDLER BRIDGE RD	NORTH OCONEE RIVER	1.9 MI SW OF CENTER	JACKSON	1	Zone A
133-5009-0	COPELAND ROAD	GREENBRIER CREEK	7.1 MI SW OF PENFIELD	GREENE	2	Zone A
211-0047-0	NEWBORN ROAD	LITTLE RIVER	5.9 MI SW OF RUTLEDGE	MORGAN	2	Zone A
091-5015-0	JAYBIRD SPRINGS RD	GUM SWAMP CREEK TRIB	5.2 MI NE OF CHAUNCEY	DODGE	2	Not mapped
317-0022-0	SANDTOWN ROAD	FISHING CREEK	3.3 MI NW OF METASVILLE	WILKES	2	Zone A
283-5012-0	KNOX MILL ROAD UNION CAMP RD	RED BLUFF CREEK	3.8 MI NW OF SOPERTON	TREUTLEN	2	Zone A
077-5050-0	BRADBURY ROAD	YELLOW JACKET CREEK	2.7 MI E OF GRANTVILLE	COWETA	3	Zone A
145-5031-0	FORTUNE HOLE RD	LITTLE PALMETTO CREEK	1 MI SE OF HAMILTON	HARRIS	3	Zone A
197-5001-0	WALTER WELLS RD	SHOAL CREEK	5.5 MI NE OF BUENA VISTA	MARION	3	Zone A
231-5003-0	WILLIAMS MILL ROAD	LITTLE POTATO CREEK	2 MI NE OF MEANSVILLE	PIKE	3	Zone A
199-5028-0	CO LINE CHURCH RD.	WHITE SULPHUR CREEK	1.5 MI S OF DURAND	MERIWETHER	3	Zone A
079-5025-0	AVERY ROAD	CULPEPPER CREEK	5 MI S OF ROBERTA	CRAWFORD	3	Zone A
003-5026-0	COGDELL ROAD	RED BLUFF CREEK	APP 8.5 MI SE PEARSON	ATKINSON	4	Zone A
131-0052-0	OLD THOMASVILLE RD	BARNETTS CREEK	THOMAS COUNTY LINE	GRADY	4	Zone A
277-5043-0	LOWER BROOKFIELD R	NEW RIVER	APP 5 MI SE OF TIFTON	TIFT	4	Zone A
017-0020-0	PERRY HOUSE ROAD	WILLACOOCHEE CREEK	3.7 MI SOUTH OF FITZGERALD	BEN HILL	4	Zone A
299-0032-0	OLD NICHOLS HWY.	HOG CREEK TRIB	15 MI NW OF WAYCROSS	WARE	5	Zone A
305-5002-0	WOODS ROAD WOODS BRIDGE ROAD	GOOSE CREEK	4 MI N OF JESUP	WAYNE	5	Zone A
309-0024-0	FAS 1120 SNOW HILL ROAD	OCHWALKEE CREEK	16 MI N OF ALAMO	WHEELER	5	Zone A
005-0020-0	FAS 1827 HWY 64	LITTLE HURRICANE CREEK	4 MI SW OF ALMA	BACON	5	Zone A
271-0048-0	FAS 585 HWY 240	LITTLE HORSE CREEK	10.6 MI SE OF MILAN	TELFAIR	5	Not mapped

Anticipated Project Locations



Anticipated Project Locations



077-5050-0



309-0024-0



105-5043-0



271-0048-0



Department Goals

- Successfully replace existing off-system bridges
- Minimize overall public inconvenience
- Industry Participation
- Price/Budget

Project Overview

- State funds
- Off-site detours (number of days will vary per site)
- Low impact (minimal utility, hydraulic & env impacts)
- No ROW
- Maintain existing profile (or minimum modification)
- Up to 5 Contracts (4 – 6 bridges per contract)

Risks and Mitigation Strategies

Risk Item	Mitigation Measure
Geotechnical	Include geotechnical boring logs/samples in the RFP
Survey Database	Include reliable survey database in the RFP
ROW	Off-site detour Evaluate constructability scenarios pre-let Obtain ROW certification from Locals during the RFP development
Environmental	Select locations with minimal environmental impacts Perform environmental screening pre-let RFP to include environmental related scope items RFP to include anticipated review/approval durations
Industry	Perform industry outreach early and actively listen Provide as much information as early as possible (e.g. <u>draft</u> RFP)
Design Variance Design Exception	Evaluate need for DV/DE during RFP development Include approved known instances of DV/DE in the RFP
Hydraulics	Select locations where FEMA coordination is not required Perform hydraulics screening during RFP development Include hydraulic opening parameters in the RFP Include all hydraulic related data in the RFP Pre-approve known hydraulic variance(s)
Utilities	SUE QL-D (completed by December 2015) Early coordination with utility owners Executed MOUs included in the RFP

Risks and Mitigation Strategies

Risk Item	Mitigation Measure
Locals Outreach/ Detour	Early and ongoing coordination with Locals during development of the RFP Obtain ROW certification from the Locals Post-let coordination with Locals regarding detour schedule Conducting detour meeting post-let for each location
Cost Estimate	Continue to monitor industry trends Be open during the development of the RFP to opportunities to reduce costs
Submittals Review Durations	Early collaborations with SMEs to establish aggressive yet realistic review timeframes
Detour Duration	Evaluate and establish reasonable durations to perform the work for each bridge relocation
Overall Contract Duration	Establish reasonable durations per contract in order to complete all of the work

Roles and Responsibilities

- Design-Build Team
 - Schedule development/management
 - Bridge design
 - Geotechnical reports
 - Stream buffer variance application (if needed)
 - Detour meeting participation, and install detour signage
 - Utility/coordination and relocation (if needed)
 - Replace each bridge within allowable detour duration
- GDOT
 - Submittal reviews and GEPA preparation/approval
 - Permit preparation and mitigation costs
 - Construction Oversight/CEI

Anticipated Procurement Process

- Two Phase Low Bid
 - All qualified – no shortlist
- Phase I - Request for Qualifications (RFQ)
 - January 8 (note: restriction on communications)
 - Area classes and organizational info for the team
 - Past project examples (design-build or bid-build)
 - Pass/Fail evaluation
 - One team may pursue one or all bridge “batches”
 - Multiple Statement of Qualifications (SOQ) if different team members

Anticipated Procurement Process

- Phase II - Request for Proposals (RFP)
 - March 25 – draft RFP
 - Advertised on GDOT’s SharePoint Site
 - One RFP for all “batches”
 - April 22 – final RFP
 - Advertised on Bid Express
 - **Price Proposal**
 - Submitted via Bid Express
 - Design complete/construction complete pay items
 - **Technical Proposal**
 - Simple narrative describing approach to designing and constructing multiple bridges

Tentative Schedule of Events

a. GDOT issues Public Notice Advertisement (PNA)	10/16/2015	-----
b. Industry Forum – GDOT Room 403/404	11/5/2015	10:00 A.M.
c. Industry one-on-one meetings – GDOT Room 407*	11/5/2015	12:00 - 4:30
d. GDOT issues Request for Qualifications (RFQ)	01/08/2016	-----
e. Deadline for the submission of written questions and Requests for Clarification	01/22/2016	-----
f. Deadline for Statement of Qualifications (SOQ)	02/05/2016	2:00 P.M.
g. GDOT issues the Notice to Finalists	02/19/2016	-----
h. GDOT issues <u>draft</u> Request for Proposals (RFP) to the Finalists	03/25/2016	
i. GDOT issues <u>final</u> Request for Proposals (RFP) to the Finalists	04/22/2016	-----
j. GDOT letting (receipt of bid/technical proposal from Finalists)	06/17/2016	-----



Questions

GDOT Design-Build Webpage

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

GDOT Design-Build SharePoint Site

<http://mydocs.dot.ga.gov/info/designbuild/default.aspx>

Note: The sign-in sheet and presentation will be posted on the Design-Build webpage.

Anticipated Procurement Process

