

I-24 Accelerated Bridge Construction project Industry Forum

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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.

Design-Build Overview

- Design-Build
 - Combines design engineering and other preconstruction related services with construction services into a single contract
- 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*)
- Design-Build Manual

Design-Build Overview

Design-Build (DB) combines design engineering and other preconstruction services with construction services into a single contract. DB is regulated at GDOT by state statute, FHWA regulations, and by State Transportation Board Rules. DB projects allow the contractor to participate in the project's design in an effort to reduce costs, improve communication and expedite project delivery.

Accelerated Bridge Construction

- Accelerated Bridge Construction (ABC)
 - Reduction in site time for actual bridge replacement
 - Promotes safety
 - Innovative construction methods



I-24 Project Goals with Accelerated Bridge Construction

Improve:

- Site Constructability

- Total Project Delivery Time

- Work-zone Safety For The Traveling Public

Reduce:

- Traffic Impacts

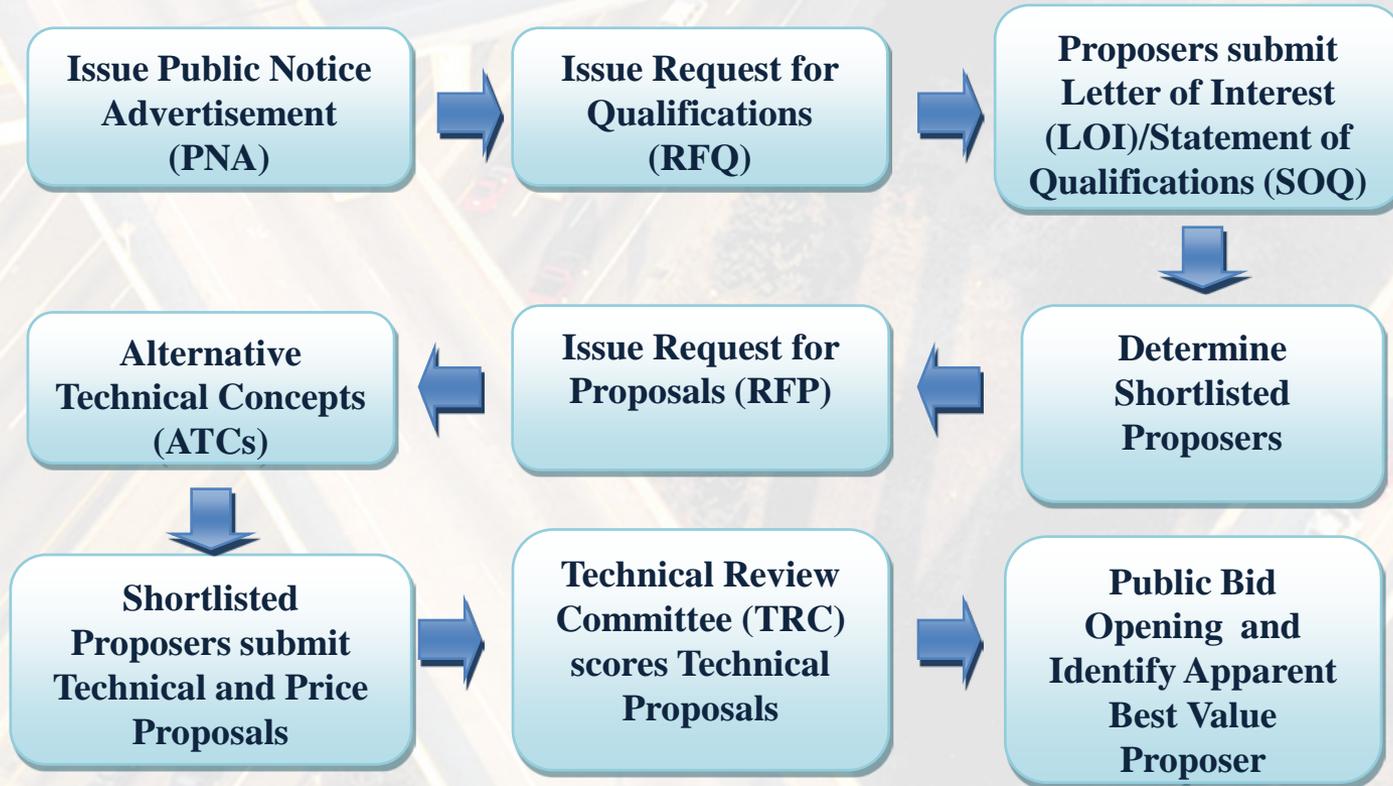
- Onsite Construction Time

- Weather-related Time Delays

Provide:

- Pilot Project for State of Georgia

Anticipated Procurement Process



Anticipated SOQ Evaluation Criteria

- Must demonstrate required Consultant Area Classes
- Relevant project experience, qualifications, and availability of the:
 - Lead Design Consultant
 - Lead Design Consultant Project Manager
 - Lead Contractor
 - Lead Contractor Project Manager
 - Key Team Leaders (e.g. Heavy Move Subcontractor)
- Suitability to provide services for project
- Past performance

Anticipated Best Value Selection Criteria

- Technical Proposal - 25%
 - Raw Score is based on a 1000 maximum total points
 - Technical Score = Raw Score * 25%
 - Evaluation Criteria may include:
 - Schedule/ Duration
 - Traffic Control/ Maintenance of Traffic
 - Project Management Plan
 - Technical Approach
- Price Proposal - 75%
 - Raw Score is based on a 1000 maximum total points where the Lowest Price Proposal receives 1000 maximum total points
 - Raw Score = $(\text{Price Proposal}_{\text{Lowest Bid}} \div \text{Price Proposal}_{\text{Respective Proposer's Bid}}) * 1000.00$
 - Price Score = Raw Score * 75%

Anticipated Best Value Selection Criteria Example

Example						
	Technical Proposal <u>25% Weighting</u>		Price Proposal <u>75% Weighting</u>			
Proposer	Raw Score	Weighted Score	Price	Raw Score	Weighted Score	Highest Combined Score
1	800	200	\$20,000,000	1000	750	950
2	900	225	\$22,000,000	909	682	907
3	840	210	\$27,000,000	815	611	821

Anticipated Stipend

- Amount to be disclosed in the RFP
- 0.4% of the anticipated Design-Build Contract Value per Table 1.2 of the Design-Build Manual below:

Table 1.2 Stipulated Fee Amount

Design-Build Estimated Contract Value	Best Value	Two Phase Low Bid (w/ Shortlist)	Two Phase Low Bid (all qualified)	One Phase Low Bid
>\$50M	0.2 % Minimum 0.2 % Recommended	0.1 % Minimum 0.2 % Recommended	0.0 % Minimum 0.1 % Recommended	No Stipulated Fee
<\$50M	0.2 % Minimum 0.4 % Recommended	0.1 % Minimum 0.2 % Recommended	0.0 % Minimum 0.1 % Recommended	No Stipulated Fee

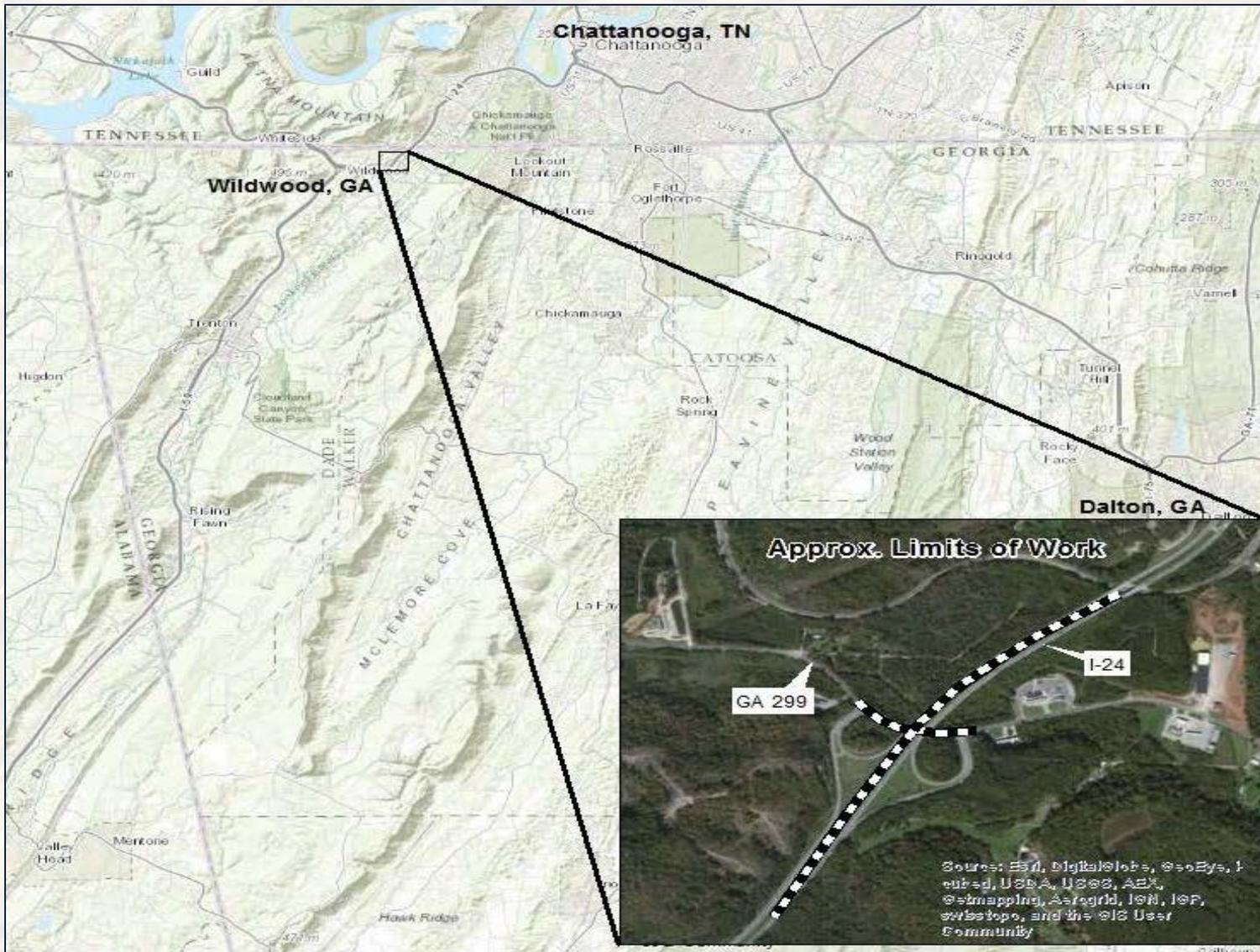
I-24 Accelerated Bridge Construction Industry Forum PI 0011682

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Georgia Department of Transportation

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Project Location



Tentative Schedule of Events

a. GDOT issues Public Notice Advertisement	01/17/2014	Complete
b. Industry Forum (to be held at GDOT in Room 403/404)	02/18/2014	9:00 AM
c. GDOT issues Request for Qualifications (RFQ)	2/21/2014	-----
d. Deadline for submission of written questions and Requests for Clarification	03/07/2014	2:00 PM
e. Deadline for submission of Letter of Interest (LOI)/Statement of Qualifications (SOQ)	03/21/2014	2:00 PM
f. GDOT issues the Notice to Finalists	4/4/2014	-----
g. GDOT issues the Request for Proposals (RFP) to the Finalists	4/18/2014	-----
h. Deadline for receipt of price and technical proposals	7/3/2014	2:00 PM
i. GDOT letting (publically open price proposals)	7/21/2014	-----

Anticipated Project Scope

- Design & Construction of SR 299 Bridge over I-24
 - 18-month Contract Duration (Design & Construction)
 - Bridge to be Replaced on the Existing Alignment
 - Clearing Restriction Between March 1st and October 1st
 - AT&T Early Relocation
 - All Construction Activity within Existing Right-of-Way
- Contractor Shall Use One of Two ABC Methods
 - Slide-in
 - Self-Propelled Modular Transport (SPMT)

Anticipated Project Scope

Maintenance of Traffic

- The Design-Build Team will be limited to a 56 hour closure of SR 299
 - Detour Meeting
 - Outreach with Tennessee
- 2 lanes of traffic must be maintained in each direction on I-24 during the ABC Period.
 - Anticipated to require 2 traffic crossovers in the median of I-24 to remove and replace the two bridge spans.
 - Pavement work for these crossovers will be allowed prior to the SR 299 weekend closure.

Anticipated Project Scope

Maintenance of Traffic

Accelerated Bridge Construction Steps

	Bridge Activity
Pre-ABC (Step 1)	Site Preparation; Foundation, Minor Approach, Piers, and Abutment Construction Activities, Temporary Pavement
ABC Period (Step 2)	Closure of S.R. 299 and Crossover of I-24 Eastbound Traffic Remove Existing Bridge Spans Over Eastbound Lanes and Place New Bridge Span
ABC Period (Step 3)	Crossover of I-24 Westbound Traffic. Remove Existing Bridge Spans Over Westbound Lanes and Place New Bridge Span
	Restore Normal Traffic Flow on I-24 Eastbound and Westbound; Finalize Approach Work on S.R. 299
	S.R. 299 Re-Opens to Traffic
Post-ABC (Step 4)	Finishing Activities on S.R. 299; Site Clean Up and Restorations, Minor Finish Work on Bridge and Roadway

Anticipated Project Risks

- All Construction Within Existing Right-of-Way
- NEPA (approval expected May 01, 2014)
- Utilities (AT&T attached to existing bridge)
- Maintenance of Traffic
- New Construction Method (ABC)
 - Completing bridge move in 56 hours
 - SPMT (Possible Structure Damage during move)
 - SPMT (Possible Roadway Damage from the weight)
- Bridge Demolition Method
- Geotechnical
- FY 2015 Let Date



Questions

Design-Build Contact Information

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Design-Build Webpage

<http://www.dot.ga.gov/doingbusiness/pages/designbuild.aspx>