



# US 278 Widening & Frontage Road

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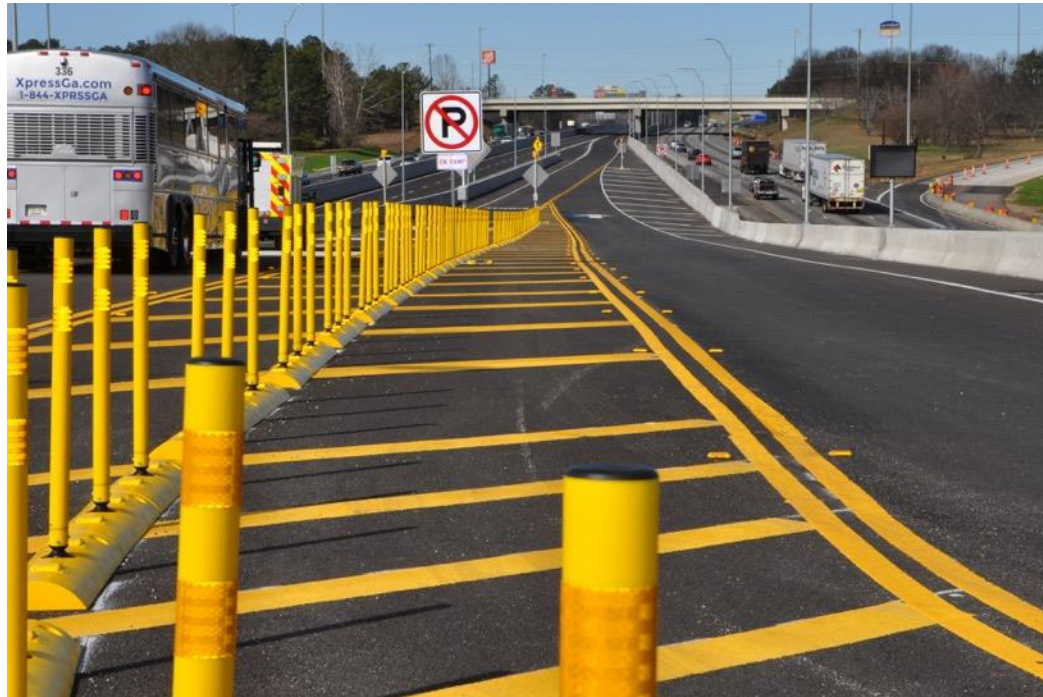
**Marlo L. Clowers. P.E., DBIA**

*Alternative Delivery Program Manager*

**Kathe Ahmed**

*OAD Project Manager*

Friday, May 27, 2022



# Disclaimer Statement

During this industry forum, Georgia DOT will provide information about the projects' delivery goals, anticipated scope, anticipated Design-Build procurement process, and potential risks.

This is a recorded presentation. **Any information provided by Georgia DOT shall be considered as informational only and is subject to change.**

# Agenda

- **Design-Build Overview** – Marlo Clowers
- **US 278 Widening & Frontage Road Projects Overview** – Kathe Ahmed
- **Procurement Overview** – Marlo Clowers



# Design-Build Overview

**Marlo L. Clowers. P.E., DBIA**

*Alternative Delivery Program Manager*



# 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 improve communications, expedite project delivery, and reduce costs.

## **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 and 2013)

# Upcoming Design-Build Projects

Project	PI Number(s)	County	Anticipated Selection Method	Letting
SR 400 Phase 1 DB Project	0001757	Fulton	2 Ph Low Bid	April 2022
I-285 Westbound Auxiliary Lane Extension	0017130	Fulton	2 Ph Low Bid	May 2022
FY 2022 Bridge Replacements	0018362	District 4	2 Ph Low Bid	June 2022
I-85 @ Druid Hills Interchange	0016054	Fulton	BV	Q2 2023
SR 316 @ SR 211 & SR 316 @ Barber Creek Rd	0010352 0013910	Barrow	BV	Q2 2023
I-20 at Old Mill Road Interchange	0018361	Morgan	BV	Q3 2023
SR 316 @ Jimmy Daniel Rd, SR 316 @ Virgil Langford & SR 316 @ Oconee Connector	0013767 0013768 0013769	Oconee	BV	Q4 2023
I-75 at Bethlehem Road Interchange	0017182	Henry	BV	Q2 2024
SR 316 @ Carl - Bethlehem Rd & SR 316 @ Kilcrease Rd	0013902 0013903	Barrow	BV	Q2 2024
SR 25 @ Darien River Bridge Replacement	0013599	McIntosh	BV	Q1 2025

**Design-Build Web Page:** <http://www.dot.ga.gov/PS/Innovative/DesignBuild>

# US 278 Widening & Frontage Road Projects

**Kathe Ahmed**

OAD Project Manager





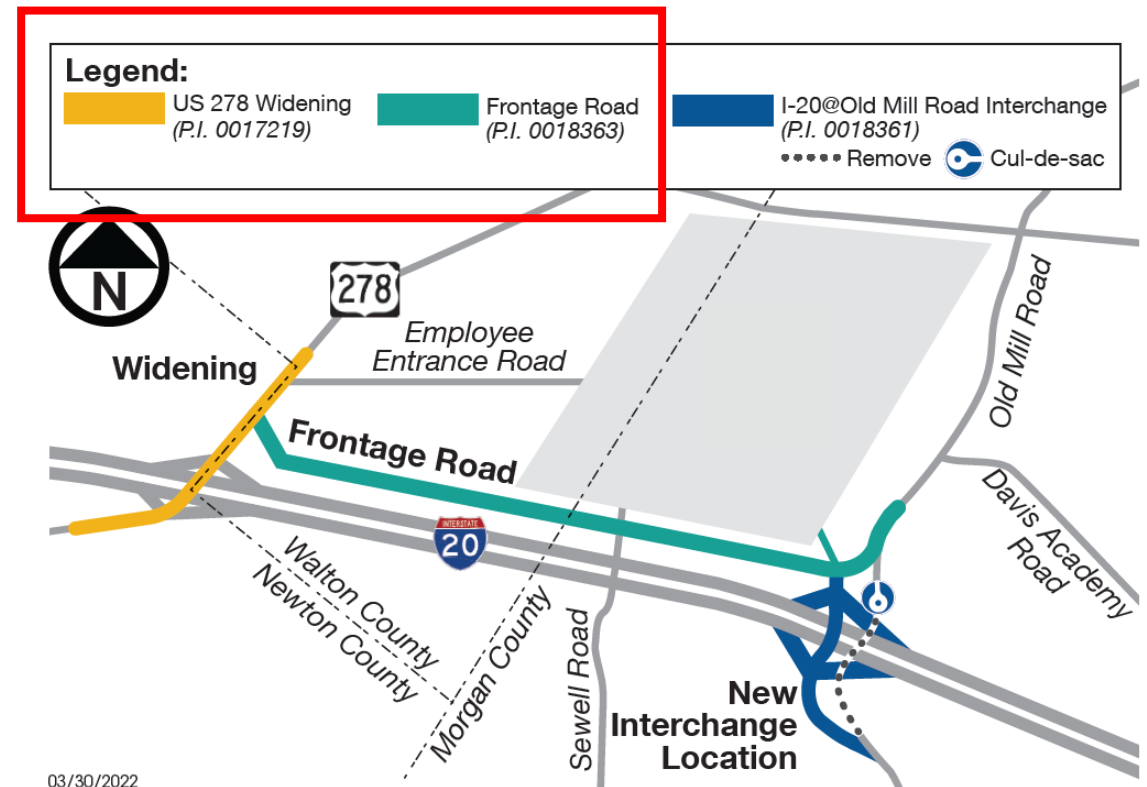
# US 278 Widening & Frontage Road Improvements

## Project Overview

- Provide easier and safer access to new developments in the area.
  - Widening of US 278
  - Constructing new Frontage Road
  - Constructing multiuse path along new Frontage Road

## Current Status

- Preparing for Public Information Open House (PIOH) – June 2022
- Conducting environmental studies and analysis
- Drafting initial roadway and interchange design



03/30/2022



# Purpose of Projects

With large scale economic development projects in the area, the projects are being designed to provide:



Direct access to  
new developments

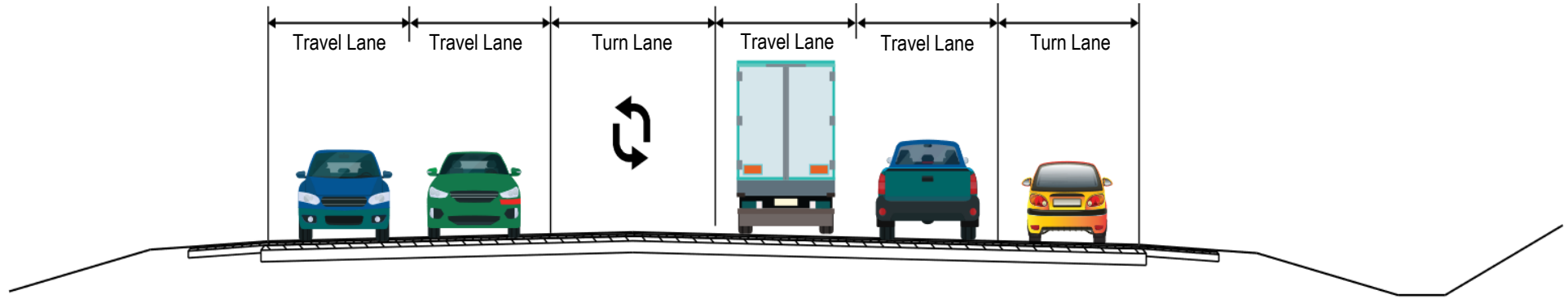


Traffic  
congestion relief

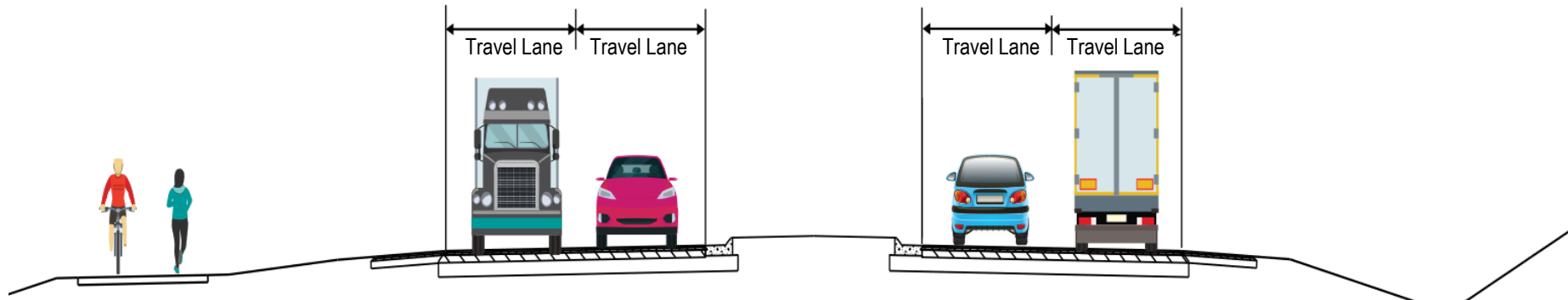


Increased  
safety

# Proposed Typical Sections



**US 278**



**Frontage Road**

# Design-Build Team Roles and Responsibilities

- Design and construction
- Schedule development/management
- Maintain traffic control and construction signage
- Detour notification support
- Utility coordination
- Complete project within a defined timeline

# Georgia DOT Roles and Responsibilities

- Submittal review by Georgia DOT/Arcadis
- Media relations by Georgia DOT
- Construction Oversight by Georgia DOT/Arcadis
  - Material Testing will be provided by OMAT
  - CEI performed by Georgia DOT's Office of Alternative Delivery (OAD)/Arcadis. CEI consultant may not be a Prime consultant or an Engineer of Record on any Design-Builder.



# Risks and Mitigation Strategies

Risk	Mitigations for RFP
Environmental	<ul style="list-style-type: none"> <li>• CE approval anticipated Q3 2022</li> <li>• Re-eval anticipated during post-let</li> </ul>
Utilities	<ul style="list-style-type: none"> <li>• Limited number of utility adjustments are anticipated</li> <li>• Subsurface Utility Engineering files will be included in the RFP</li> </ul>
Right-of-Way	<ul style="list-style-type: none"> <li>• No anticipated major ROW acquisitions</li> </ul>
DE/DV	<ul style="list-style-type: none"> <li>• To be provided in the RFP</li> </ul>

# Risks and Mitigation Strategies

Risk	Mitigations for RFP
Geotechnical	<ul style="list-style-type: none"> <li>Existing BFIs will be provided</li> </ul>
Local Outreach	<ul style="list-style-type: none"> <li>Early and ongoing coordination with stakeholders</li> </ul>
Cost Estimate	<ul style="list-style-type: none"> <li>Continue to monitor industry trends</li> </ul>
Overall Contract Duration	<ul style="list-style-type: none"> <li>Established in RFP</li> <li>Critical Path Method Schedule is required</li> </ul>

# Procurement Overview

**Marlo L. Clowers. P.E., DBIA**

*Alternative Delivery Program Manager*



# RFP Process

- One-Phase Low Bid procurement
- Multiple volumes
  - Instructions to Proposers
  - Design-Build Agreement
  - Technical Provisions
- Proposer feedback
  - During one-on-one meetings
  - Question and Response
- Proposal packages will include an administrative information submittal, technical proposal, and a price proposal to include firm-fixed pricing secured by a proposal bond
- ATCs will be not accepted



# Anticipated Area Classes for Lead Design Consultant

NUMBER	AREA CLASS
3.01	Rural Roadway Design

# Anticipated Area Classes for DB Team Members

NUMBER	AREA CLASS
1.06 (b)	History
1.06 (e)	Ecology
1.06 (f)	Archaeology
3.05	Attitude, Opinion, and Community Value Studies
3.06	Urban Interstate Highway Design
3.07	Traffic Operation Design
3.08	Landscape Architecture
3.10	Utility Coordination
3.13	Bicycle and Pedestrian Facility Design
3.15	Highway Lighting and Outdoor Lighting

NUMBER	AREA CLASS
4.01 (a)	Minor Bridge Design
5.01	Land Surveying
5.02	Engineering Surveying
5.08	Overhead/Subsurface Utility Engineering (SUE)
6.01 (a)	Soil Survey Studies
6.02	Bridge Foundation Studies
6.03	Hydraulic and Hydrologic Studies (Soils & Foundations)
9.01	Erosion, Sedimentation and Pollution Control Plan (ESPCP) Preparation
9.02	Rainfall and Runoff Reporting
9.03	Field Inspections for Compliance of Erosion and Sedimentation Control Device Installations

# Key Personnel

- RFP Required/Key Personnel
  - Lead Contractor Project Manager
  - Lead Design Consultant Project Manager
  - Engineer of Record
  - Contractor Superintendent
  - Quality Control Manager
  - Environmental Compliance Manager

# Required Information – RFP Phase (1/2)

- Three (3) packages in each submitted Proposal
- Administrative Information Submittal
  - Professional Consultant Qualifications
  - Certificate of Qualification
  - Key Personnel Resumes
  - Basic Company Information
  - Industrial Safety Record



# Required Information – RFP Phase (2/2)

- Technical Proposal
  - Construction Staging and Traffic Management Narrative
  - Project Management Approach
  - Proposal Schedule
  - Material Indexation Adjustments
- Price Proposal
  - Contract Sum Information

# Anticipated Stipulated Fee

Section 1.6 of the Design-Build Manual:

Design-Build Contract Value	Best Value	Two Phase Low Bid (with Shortlist)	Two Phase Low Bid (all qualified)	One Phase Low Bid
≥\$50 M	0.2% Minimum 0.2% Recommended	0.1% Minimum 0.2% Recommended	0% Minimum 0.1% Recommended	No Stipulated Fee
<\$50 M	0.2% Minimum 0.4% Recommended	0.1% Minimum 0.2% Recommended	0% Minimum 0.1% Recommended	No Stipulated Fee

# Tentative Procurement Schedule

ACTIVITY	
PNA Advertisement	4/22/2022
Industry Forum	5/27/2022
Industry One-on-One Meetings	5/31 – 6/1/2022
Advertise RFP	6/16/2022
Receive Proposals	8/18/2022
Letting/Announce Successful Bidder	8/31/2022

# Questions?

During project procurement, all proposer questions shall be submitted to the Department via email:

[FR-US278WidenDB@dot.ga.gov](mailto:FR-US278WidenDB@dot.ga.gov).

## **References:**

Georgia DOT Design-Build Web Page

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

Georgia DOT Design-Build SharePoint Site

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





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