OID Engineering Services Industry Forum

I-285 Westside Express Lanes
PI 0013917, Cobb/Fulton Counties

I-285/I-20 West Interchange
PI 0013918, Fulton County

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March 16, 2018
Disclaimer Statement

At this meeting the Department will provide information about each 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 the Department shall be considered as informational only and is subject to change.**
Major Mobility Investment Program – Delivering the Governor’s Promise to Georgians
Today’s Agenda

• MMIP Overview
• Engineering Services for Office of Innovative Delivery (OID)
  • General
  • I-285 Westside Express Lanes
  • I-285/I-20 West Interchange
• Disadvantaged Business Enterprise (DBE)
• Open Discussion
Competitive Environment

• Availability of Information

• Firewall
  • Fair
  • Communications
  • Level Field

• Transparency
11 MMIP Projects

- 3 Major Interchange Projects
- 4 Major Express Lanes Projects
- 3 Major Interstate Widening Projects
- 1 Commercial Vehicle Lanes Project
MMIP Projects Map

* Project Limits are under review
Project Schedules

Interchange Reconstruction:

I-285/I-20 West

Express Lanes:

I-285 Westside
I-20 to I-75

Legend:
- Engineering, Environmental, Design, Right-of-Way
- Final Design, Right-of-Way, Construction
- Est. Construction Start
- Developer Procurement Start
## Consultant Opportunities

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<tr>
<th>Innovative Delivery</th>
<th>Owner’s Rep</th>
<th>Developer Team</th>
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<tr>
<td>Program Management Consultant (PMC)</td>
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<td>Programmatic General Engineering Consultant (GEC)</td>
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<td>Right-of-Way Service Provider</td>
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<tr>
<th>Major Mobility Investment Program</th>
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<td>I-85 Widening (Hamilton Mill to SR 53)</td>
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<td>I-16/I-95 Interchange and Widening (Post Let)</td>
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<td>SR 400 Express Lanes</td>
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<td>Fall 2020</td>
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<td>I-285 Eastside Express Lanes</td>
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<td>I-285/I-20 East Interchange</td>
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<td>I-285 Top End Express Lanes</td>
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<td>I-75 Commercial Vehicle Lanes</td>
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<td>I-85 Widening (SR 53 to US 129)</td>
<td>December 2022</td>
<td>January 2023</td>
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Engineering Services for Office of Innovative Delivery
Program Delivery Model - PMC & GECs
Opportunity Conflict

GEC prime and major subconsultants on any given project cannot participate with a Developer on the same project.
Conflicts of Interest (General Rules)

Programmatic PMC Role
Prime and Major Sub-Consultants **SHALL NOT** participate on GEC Teams or Developer Teams for projects within the program being overseen by the PMC.

Programmatic and MMIP GEC Role
Prime and Major Sub-Consultants **SHALL NOT** participate on Developer Teams for projects subject to oversight by the GEC. The Prime and Major Sub-Consultants **MAY** participate on multiple GEC Teams and **MAY** also participate on Developer Teams for projects not subject to their own oversight.
Conflicts of Interest (General Rules)

**Developer Designer & CEI**
Prime and Major Sub-Consultants not conflicted as previously noted **MAY** participate on Developer Teams.

Minor Sub-Consultants’ eligibility for participation at multiple levels in the program delivery model **SHALL BE** in conformance with current state guidelines.

GDOT retains the right to modify these rules at their discretion and retains ultimate authority for determining issues surrounding conflicts of interest.

**Communication is key. Make the request as early as possible.**
Anticipated Area Classes for the Prime

Area Class:
3.05 Multi-lane Urban Interstate Limited Access Design
## Anticipated Area Classes for Subconsultants

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<thead>
<tr>
<th>Class</th>
<th>Area Classes</th>
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<tr>
<td>1.06(a) NEPA</td>
<td>3.06 Traffic Operations Studies</td>
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<tr>
<td>1.06(b) History</td>
<td>3.07 Traffic Operations Design</td>
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<td>1.06(c) Air Quality</td>
<td>3.08 Landscape Architecture Design</td>
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<td>1.06(d) Noise</td>
<td>3.09 Traffic Control Systems Analysis, Design and Implementation</td>
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<td>1.06(e) Ecology</td>
<td>3.10 Utility Coordination</td>
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<tr>
<td>1.06(f) Archaeology</td>
<td>3.12 Hydraulic and Hydrological Studies (Roadway)</td>
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<td>1.06(g) Freshwater Aquatic Surveys</td>
<td>3.15 Highway Lighting</td>
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<td>1.06(h) Bat Surveys</td>
<td>4.01(a) Minor Bridge and Miscellaneous Highway Structure</td>
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<td>1.07 Attitude, Opinion, and Community Value Studies (Public Involvement)</td>
<td>4.02 Major Bridge Design</td>
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<tr>
<td>1.09 Location Studies</td>
<td>4.04 Hydraulic &amp; Hydrological Studies (Bridges)</td>
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<td>1.10 Traffic Analysis</td>
<td>5.01 Land Survey</td>
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<tr>
<td>3.02 Two-Lane or Multi-Lane Urban Roadway Design</td>
<td>5.02 Engineering Survey</td>
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<tr>
<td>3.03 Multi-Lane Urban Roadway Widening and Reconstruction</td>
<td>5.03 Geodetic Surveying</td>
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<td>3.04 Multi-Lane Rural Interstate Limited Access Design</td>
<td>5.04 Aerial Photography</td>
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<td>3.05 Aerial Photogrammetry</td>
<td>5.05 Cartography</td>
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<td>3.06 Traffic Operations Studies</td>
<td>5.08 Overhead-Subsurface Utility Engineering SUE</td>
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<tr>
<td>3.07 Traffic Operations Design</td>
<td>6.01(a) Soil Survey Studies</td>
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<td>3.08 Landscape Architecture Design</td>
<td>6.01(b) Geological and Geophysical Studies</td>
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<tr>
<td>3.09 Traffic Control Systems Analysis, Design and Implementation</td>
<td>6.02 Bridge Foundation Studies</td>
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<td>3.10 Utility Coordination</td>
<td>6.03 Hydraulic and Hydrologic Studies (Soils and Foundation)</td>
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<tr>
<td>3.12 Hydraulic and Hydrological Studies (Roadway)</td>
<td>6.04(a) Laboratory Materials Testing</td>
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<td>3.15 Highway Lighting</td>
<td>6.04(b) Field Testing of Roadway Construction Materials</td>
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<td>3.16 Highway Lighting</td>
<td>6.05 Hazardous Waste Site Assessment Studies</td>
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<td>3.17 Highway Lighting</td>
<td>8.01 Construction Engineering and Supervision</td>
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<td>3.18 Highway Lighting</td>
<td>9.01 Erosion, Sedimentation, and Pollution Control Plan</td>
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<td>3.19 Highway Lighting</td>
<td>9.03 Field Inspections for Compliance of Erosion and Sedimentation Control Devices</td>
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Program Management Consultant (PMC)

- Allows for Strong Owner (Georgia DOT) with Limited Staff
- Program Management, Oversight & Administration
  - Program Management
  - Oversight & Administration
  - Procurement Management
  - Program and Project Controls
  - Programmatic Studies & Analyses
  - Project Mgmt.& Administration
  - DB & P3 Procurement
  - Quality Management
- Accountability
- Construction Management
- DBE Mentoring and Program Oversight
- Communications and Outreach
- Mega Project Management Team(s)
- Toll Systems Integration Coordination
- Risk Management
- Ability to Fill Other Roles to Backstop
MMIP GEC Roles & Responsibilities

- Pre-Let
  - Traffic Studies & Analyses
  - Concept
  - Survey Database
  - Environmental/Public Involvement
  - Costing Plans
  - Right-of-Way Plans
  - Communications
  - Project Controls
  - Estimating
  - Phase I/II, as needed
  - Drainage Studies
  - P3 Procurement Support – Technical

- Post-Let
  - P3 Developer Submittal Reviews
  - Environmental Re-Evaluation
  - Permit Reviews
  - Co-Location
  - Owner’s Verification Firm (OVF)
  - Oversight
    - Final Design and Construction
    - Quality
    - Safety
  - Communications
  - Project Controls
MMIP GEC Keys To Success

- Experienced Project Manager
- Qualified Key Team Leads
- Appropriate Team Structure
- Proven Responsiveness
- Proactive Coordination
- Committed to DBE Success

- Schedule Expeditor
- Innovative Delivery Approaches
- Strategic Communications
- Public Engagement – Best Practices
- Local and National experience
- Potential O&M expertise
MMIP GEC Key Team Leads

Key Team Leads
- Roadway
- Structural
- Environmental
- Estimating
- Utilities
- Survey
- Traffic Operations
- Communications
- Geotechnical
- O&M (potential)
- Construction

Owner Verification Firm (OVF) Team
- Project Resident Engineer
- Assistant Project Resident Engineer
- Roadway Project Engineer
- Bridge Project Engineer
- Materials
Owner’s Verification Firm (OVF)

- Similar approach to Northwest Corridor and I-285/SR 400 Interchange
- Oversight Inspection and Verification Sampling and Testing as per 23 CFR 637(b)
- Observe work and report significant discrepancies
- Monitor the Developer’s CEI for conformance to contract
- Design Oversight
- Submittal Review
Project Overview:
I-285 Westside Express Lanes
I-285 Westside Express Lanes

I-75 to I-20

Interchange Reconstruction:
1. I-16/I-95
2. I-285/I-20 West
3. I-285/I-20 East

Express Lanes:
4. I-285 Top End
   I-75 to I-85
5. SR 400
   I-285 to McFarland Pkwy
6. I-285 Eastside
   I-85 to I-20
7. I-285 Westside
   I-20 to I-75

Interstate Widening:
8. I-85 North
   Hamilton Mill Rd to SR 53
9. I-16
   I-95 to I-516
10. I-85 North
    SR 53 to US 129

Commercial Vehicle Lanes:
11. I-75
    SR 155 to I-475
I-285 Westside Express Lanes

- Anticipate Design-Build-Finance (DBF) delivery method
- Current Scope
  - One express lane in each direction between I-20 and I-75
  - Potential two express lanes between I-75 and Raider Dr.*
- NEPA EA Anticipated
  - NEPA scoping
  - Alternatives development & analysis
- Compressed schedule
- Project Limits and access points to be determined
I-285 Westside Express Lanes

• Pre-Planning Development Level
  • Limited Information Available

• Conceptual Layouts and Feasibility Studies, will be available via TSP SharePoint site

• Estimated Cost: $655 million*

• Est. Construction Letting: Summer 2022

* Pre-Planning Development level cost estimate and does not include finance costs or revised project limits
## I-285 Westside Express Lanes Schedule

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*Schedule subject to change*
Project Overview:
I-285/I-20 West Interchange
I-285/I-20 West Interchange

Interchange Reconstruction:
1. I-16/I-95
2. I-285/I-20 West
3. I-285/I-20 East

Express Lanes:
4. I-285 Top End
   I-75 to I-85
5. SR 400
   I-285 to McFarland Pkwy
6. I-285 Eastside
   I-85 to I-20
7. I-285 Westside
   I-20 to I-75

Interstate Widening:
8. I-85 North
   Hamilton Mill Rd to SR 53
9. I-16
   I-95 to I-516
10. I-85 North
    SR 53 to US 129

Commercial Vehicle Lanes:
11. I-75
    SR 155 to I-475
I-285/I-20 West Interchange

• Anticipate Design-Build-Finance (DBF) delivery method

• Current Scope includes:
  • Additional lane eastbound along I-20 from Factory Shoals Rd to I-285/I-20 West Interchange.
  • New I-20 westbound CD system from I-285/I-20 through Fulton Industrial Blvd.
  • New lane along I-285 southbound from DL Hollowell Pkwy to I-285/I-20 West Interchange.
  • Reconstruction of ramps at the I-285/I-20 West Interchange to remove the left exits and improve the speed design.

• NEPA EA Anticipated
  • NEPA scoping
  • Alternatives development & analysis

• Compressed schedule
I-285/I-20 West Interchange

- **Pre-Planning Development Level**
  - Limited Information Available
- **Conceptual Layouts and Feasibility Studies, will be available via TSP SharePoint site**
- **Estimated Cost:** $790 million
- **Est. Construction Letting:** Summer 2022

* Pre-Planning Development level cost estimate and does not include finance costs
# I-285/I-20 West Interchange Schedule

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Schedule subject to change
DBE Goal and Mentoring Program

- DBE Goal
- GEC Mentoring Program
  - RFQ will require Mentoring Program implementation plan
## Anticipated Procurement Schedule

<table>
<thead>
<tr>
<th>Event Description</th>
<th>Date</th>
<th>Time</th>
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<tbody>
<tr>
<td>a. Georgia DOT issues Public Notice Advertisement (PNA)</td>
<td>02/28/2018</td>
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<td>b. Industry Forum – Georgia DOT</td>
<td>03/16/2018</td>
<td>11:00</td>
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<td>c. One-on-One Meetings</td>
<td>03/19/2018</td>
<td>9:00 – 4:00</td>
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<td>d. Georgia DOT issues Request for Qualifications (RFQ)</td>
<td>04/06/2018</td>
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<td>e. Statement of Qualifications due</td>
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<td>f. Anticipated Award of GECs</td>
<td>08/02/2018</td>
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Dates are tentative and subject to change. Refer to RFQ.
Questions & Answers

Program Information and Contract Opportunities:
www.dot.ga.gov/PS/Innovative
MMIP Program Information

www.dot.ga.gov/MMIP

@GeorgiaDOT

@GADeptofTrans

@gadeptoftrans