

March 30, 2017

# Major Mobility Investment Program (MMIP)

Building a Better Georgia Today

**DBE Outreach Event – Atlanta , GA**

June 21, 2017

# Agenda

Time	Topic
6:00 pm – 6:15 pm	<b>Welcome</b>
6:15 pm – 6:30 pm	<b>Major Mobility Investment Program (MMIP) Overview</b>
6:30 pm – 6:45 pm	<b>Getting Started – DBE Compliance &amp; Certification</b>
6:45 pm – 7:00 pm	<b>What is Your Role as a DBE?</b> <ul style="list-style-type: none"><li>• How to Get Involved</li><li>• Introduce Online MMIP Readiness Program</li></ul>
7:00 pm – 7:15 pm	<b>Design-Build &amp; P3 Procurement</b>
7:15 pm – 8:00 pm	<b>Closing Remarks/Networking Opportunities with GECs</b>

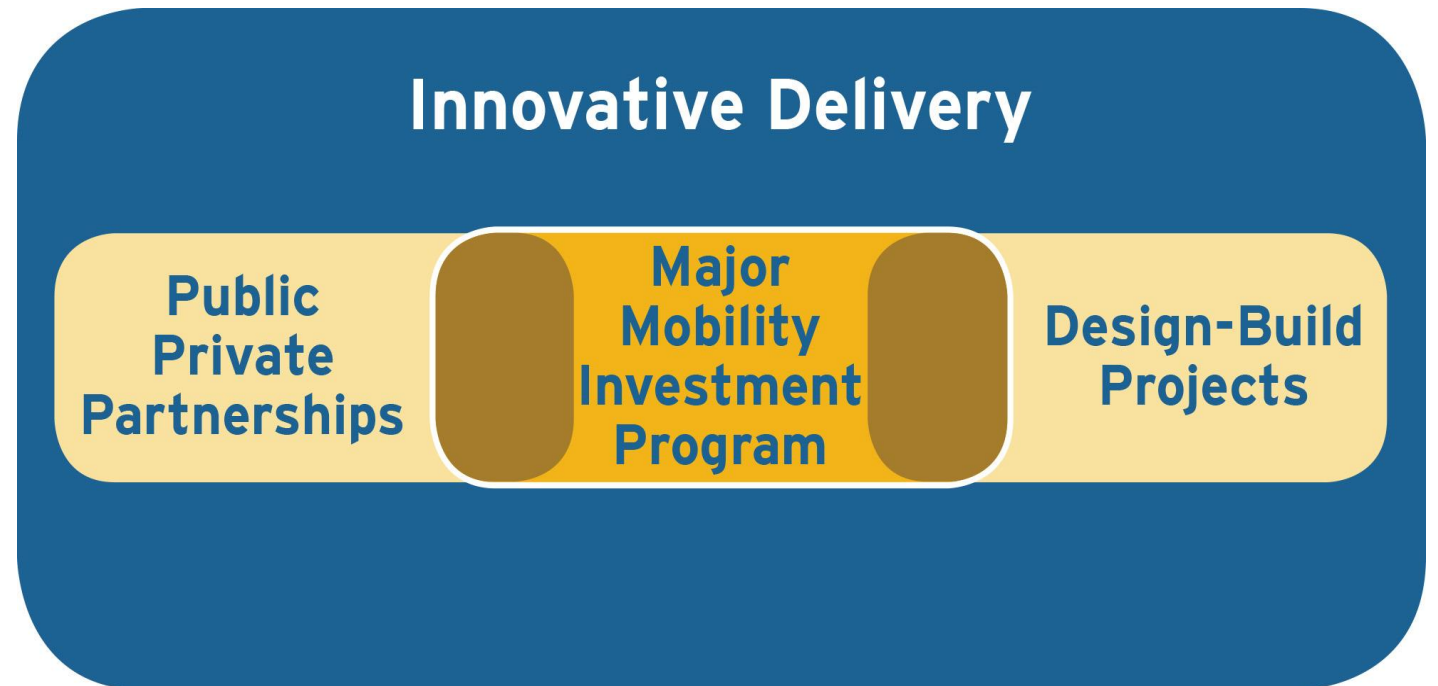


# Welcome and Major Mobility Investment Program Overview

Joe Carpenter, P.E., Division Director of P3

# Division of P3 Overview

- Oversees Public-Private Partnerships (P3) and Design-Build (DB) project delivery
- Focusing on major mobility projects
- Working to deliver major projects quickly



# Design-Build Program

## Benefits:

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



*I-75 South Metro Express Lanes*



# Public-Private Partnerships

All benefits of Design-Build plus:

- Brings financial partnerships
- Maximizes use of available funding
- Provides ability to provide more mobility solutions earlier



**NORTHWEST EXPRESS**  
ROADBUILDERS



*The I-75 Northwest Corridor Express Lanes project is an example of a Public-Private Partnership*

# Statewide Projects

Current Public-Private Partnership (P3) projects:

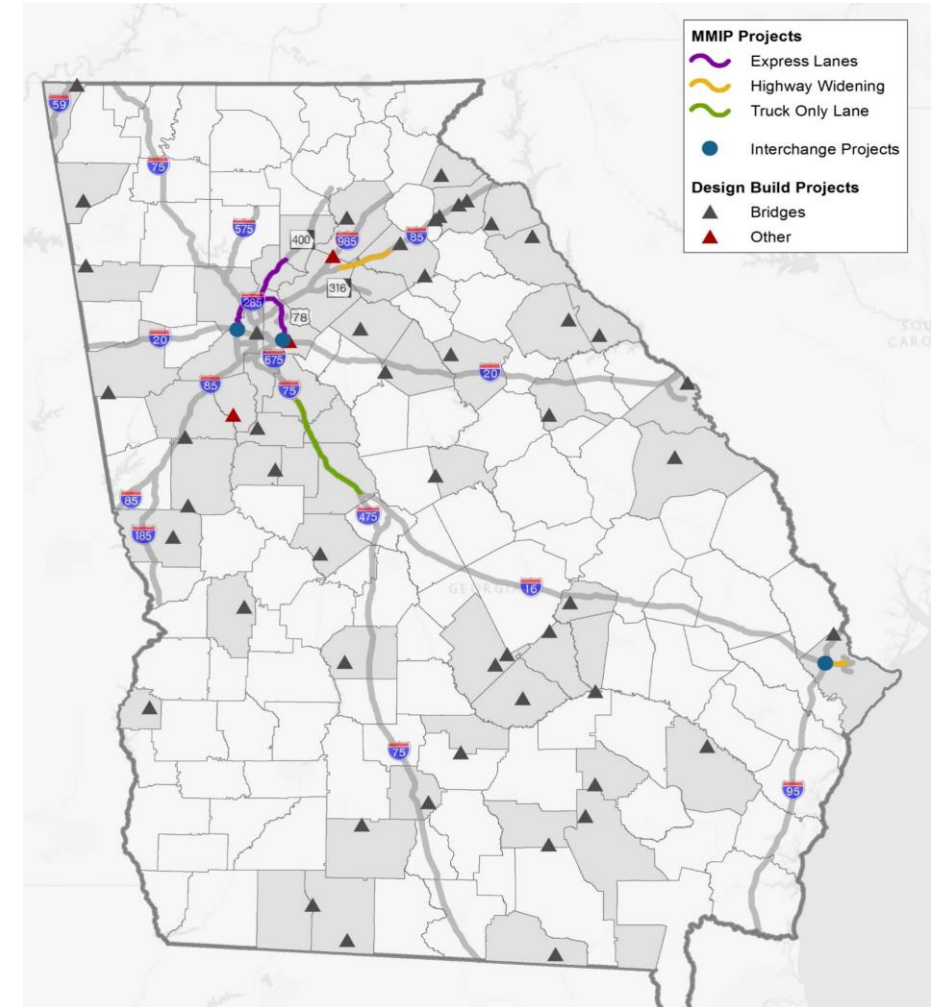
- Northwest Corridor
- *Transform 285/400*

Existing Design-Build (DB) projects:

- I-85 Express Lanes Extension
- 53 statewide bridge replacement projects
- \$2B in construction statewide

11 MMIP projects

- 10 years
- \$11 Billion



# 11 Major Mobility Improvement Projects



**3 Major  
Interchange  
Projects**



**4 Major Express  
Lanes Projects**



**3 Major Interstate  
Widening Projects**



**1 Commercial  
Vehicle Lanes  
Project**



# MMIP Program

11 major mobility projects in construction in 10 years

- \$11 billion program
- Improve passenger and freight movement
- Use Innovative Delivery to accelerate solutions



## Interchange Reconstruction:

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

## Express Lanes:

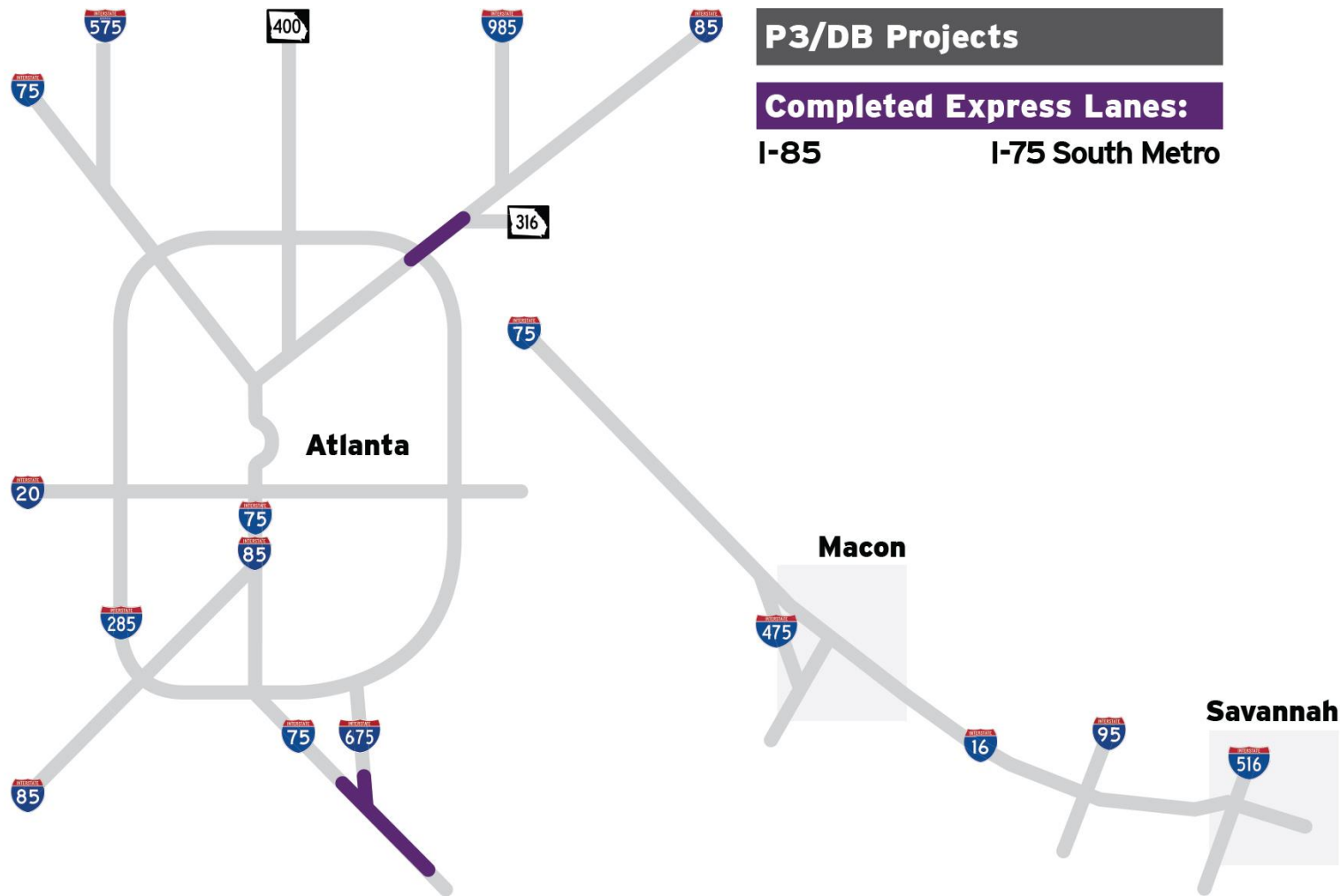
4. Revive 285 Express Lanes  
I-75 to I-85
5. SR 400 Express Lanes:  
I-285 to McFarland Rd.
6. I-285 East Wall Express Lanes  
I-85 to I-20
7. I-285 West Wall Express Lanes  
I-20 to I-75

## Interstate Widening:

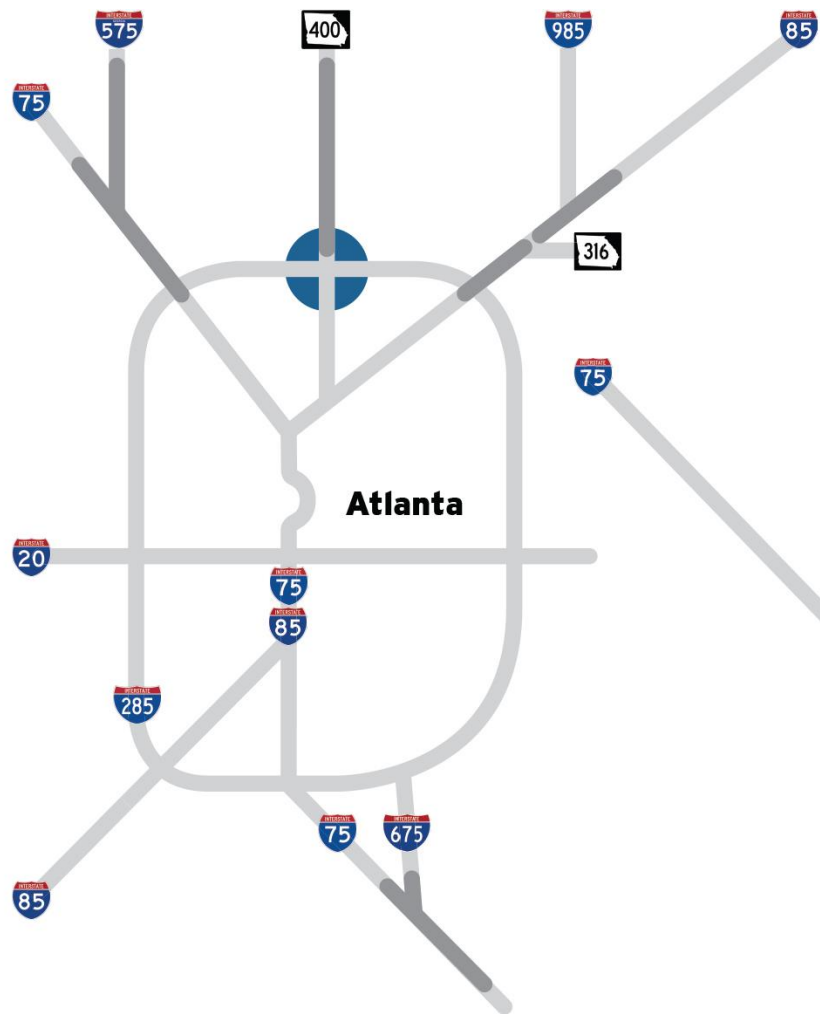
8. I-85 North Widening  
Hamilton Mill Rd. to SR 211
9. I-16 Widening  
I-95 to I-516
10. I-85 North Widening  
SR 211 to US 129

## Commercial Vehicle Lanes:

11. Commercial Vehicle Lanes  
SR 155 to I-475







### P3/DB Projects

#### Completed Express Lanes:

I-85

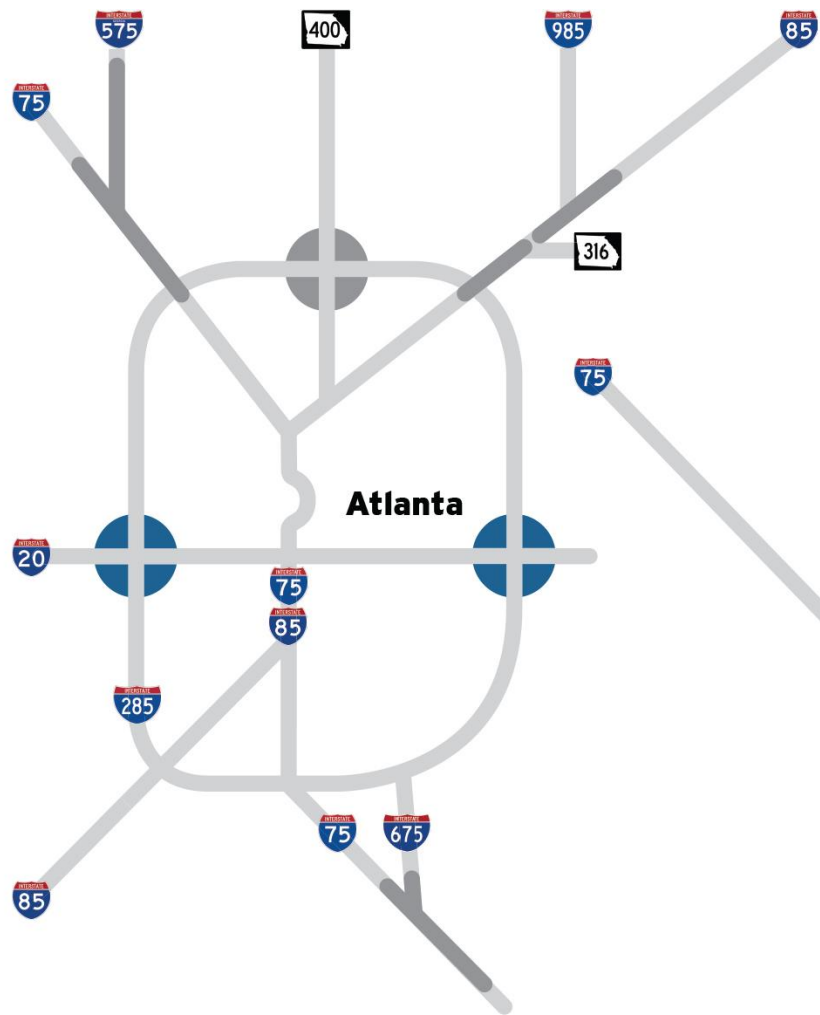
I-75 South Metro

#### Ongoing Express Lanes:

I-75 Northwest I-85 Extension  
Corridor

#### Interchange Reconstruction:

Transform 285/400



**P3/DB Projects**

**Completed Express Lanes:**

I-85                      I-75 South Metro

**Ongoing Express Lanes:**

I-75 Northwest   I-85 Extension  
Corridor

**Interchange Reconstruction:**

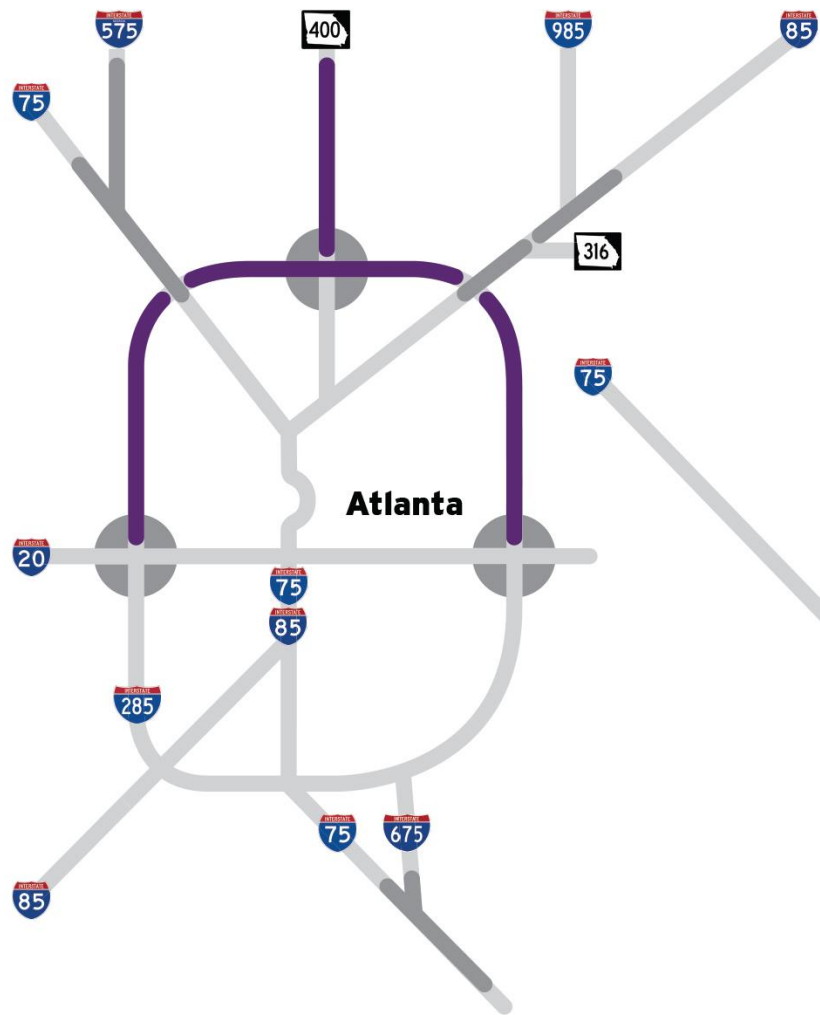
Transform 285/400

**MMIP Projects**

**Interchange Reconstruction:**

I-16/I-95              I-285/I-20 West  
I-285/I-20 East





**P3/DB Projects**

**Completed Express Lanes:**

I-85                      I-75 South Metro

**Ongoing Express Lanes:**

I-75 Northwest   I-85 Extension  
Corridor

**Interchange Reconstruction:**

Transform 285/400

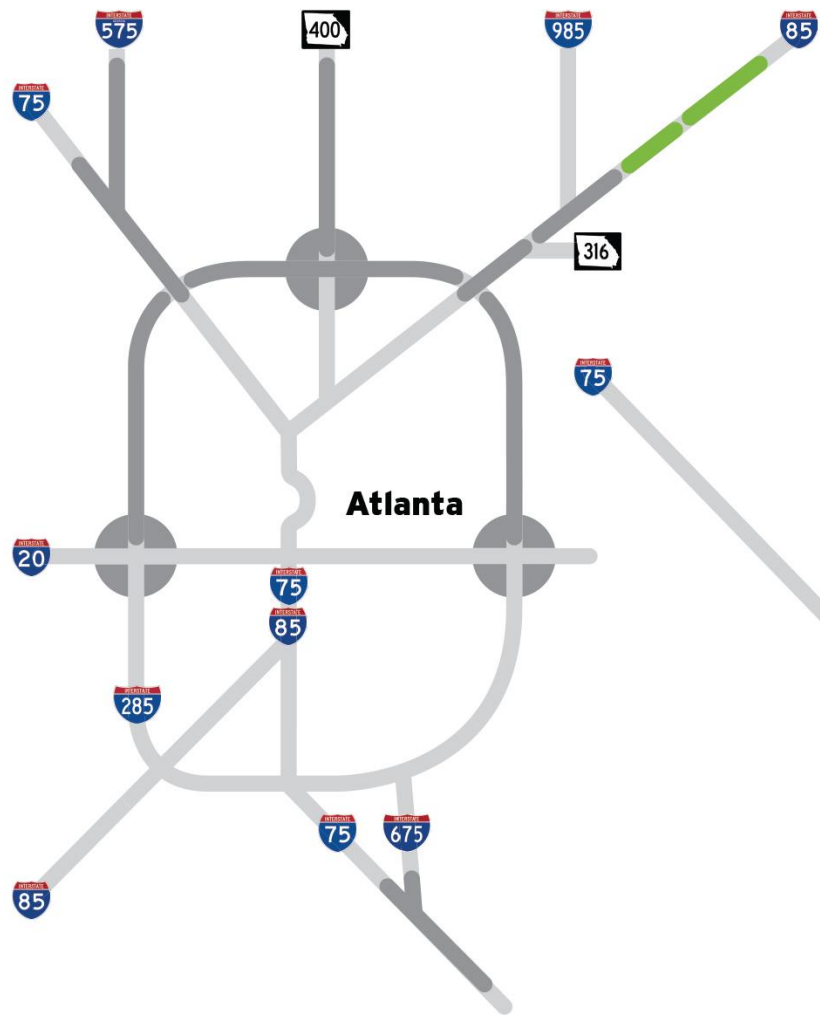
**MMIP Projects**

**Interchange Reconstruction:**

I-16/I-95              I-285/I-20 West  
I-285/I-20 East

**Express Lanes:**

Revive 285              I-285 East Wall  
SR 400                  I-285 West Wall



## P3/DB Projects

### Completed Express Lanes:

I-85 I-75 South Metro

### Ongoing Express Lanes:

I-75 Northwest I-85 Extension Corridor

### Interchange Reconstruction:

Transform 285/400

## MMIP Projects

### Interchange Reconstruction:

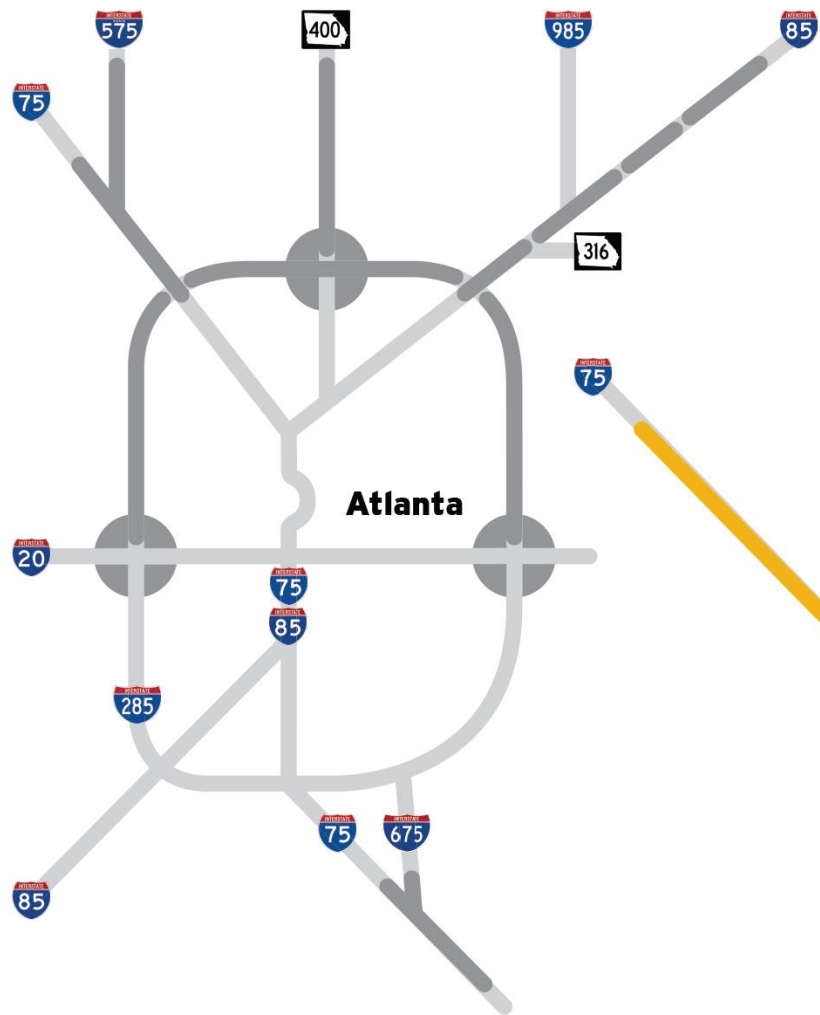
I-16/I-95 I-285/I-20 West  
I-285/I-20 East

### Express Lanes:

Revive 285 I-285 East Wall  
SR 400 I-285 West Wall

### Interstate Widening:

I-85 North I-16 Widening  
to SR 211  
I-85 North to US 129



### P3/DB Projects

#### Completed Express Lanes:

I-85                      I-75 South Metro

#### Ongoing Express Lanes:

I-75 Northwest    I-85 Extension  
Corridor

#### Interchange Reconstruction:

Transform 285/400

### MMIP Projects

#### Interchange Reconstruction:

I-16/I-95              I-285/I-20 West  
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#### Express Lanes:

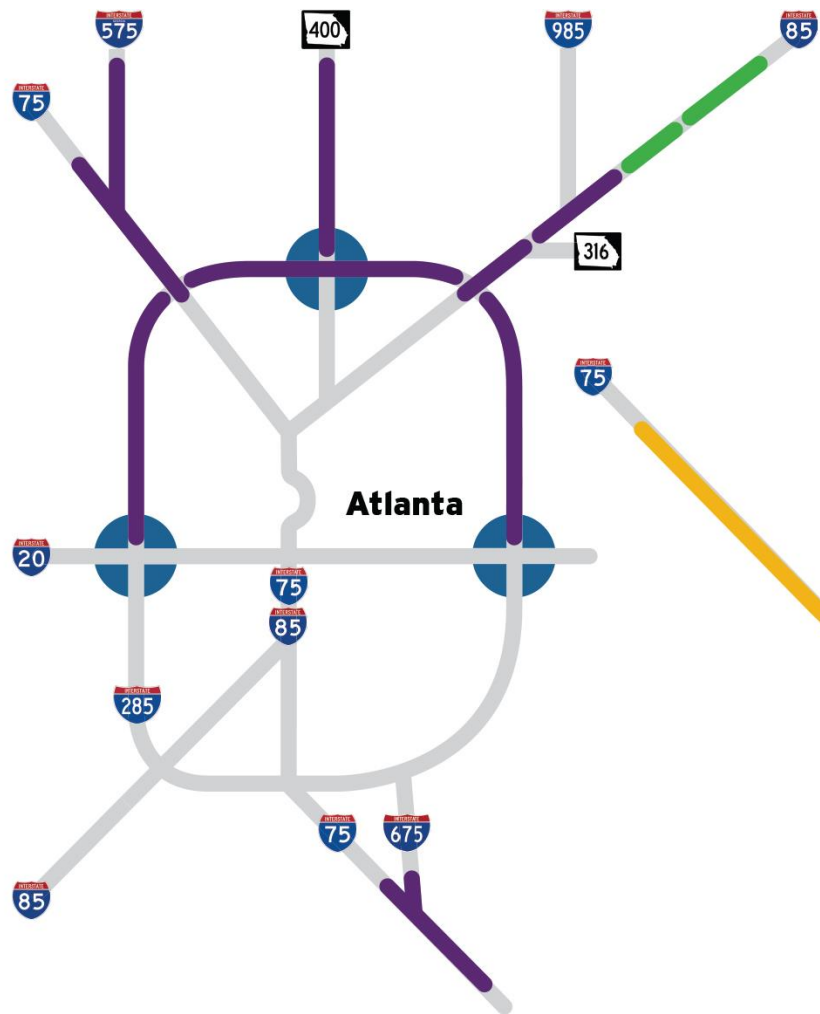
Revive 285            I-285 East Wall  
SR 400                I-285 West Wall

#### Interstate Widening:

I-85 North            I-16 Widening  
to SR 211  
I-85 North to US 129

#### Commercial Vehicle Lanes:

I-75



### P3/DB Projects

#### Completed Express Lanes:

I-85 I-75 South Metro

#### Ongoing Express Lanes:

I-75 Northwest I-85 Extension Corridor

#### Interchange Reconstruction:

Transform 285/400

### MMIP Projects

#### Interchange Reconstruction:

I-16/I-95 I-285/I-20 West  
I-285/I-20 East

#### Express Lanes:

Revive 285 I-285 East Wall  
SR 400 I-285 West Wall

#### Interstate Widening:

I-85 North I-16 Widening  
to SR 211  
I-85 North to US 129

#### Commercial Vehicle Lanes:

I-75



# We Need Your Help!



# Major Mobility Investment Program Timeline

## Interchange Reconstruction:

**I-16/I-95**

**I-285/I-20 East**

**I-285/I-20 West**

## Express Lanes:

**Revive 285**

I-75 to I-85

**SR 400**

I-285 to McFarland Rd.

**I-285 East Wall**

I-85 to I-20

**I-285 West Wall**

I-20 to I-75

## Highway Widening:

**I-85 North**

Hamilton Mill Rd. to SR 211

**I-16**

I-95 to I-516

**I-85 North**

SR 211 to US 129

## Commercial Vehicle Lanes:

**I-75**

SR 155 to I-475

06/09/2017 | Dates represented are calendar years

### Legend:

Engineering, Environmental  
Design, Right-of-Way

Final Design, Right-of-Way,  
Construction

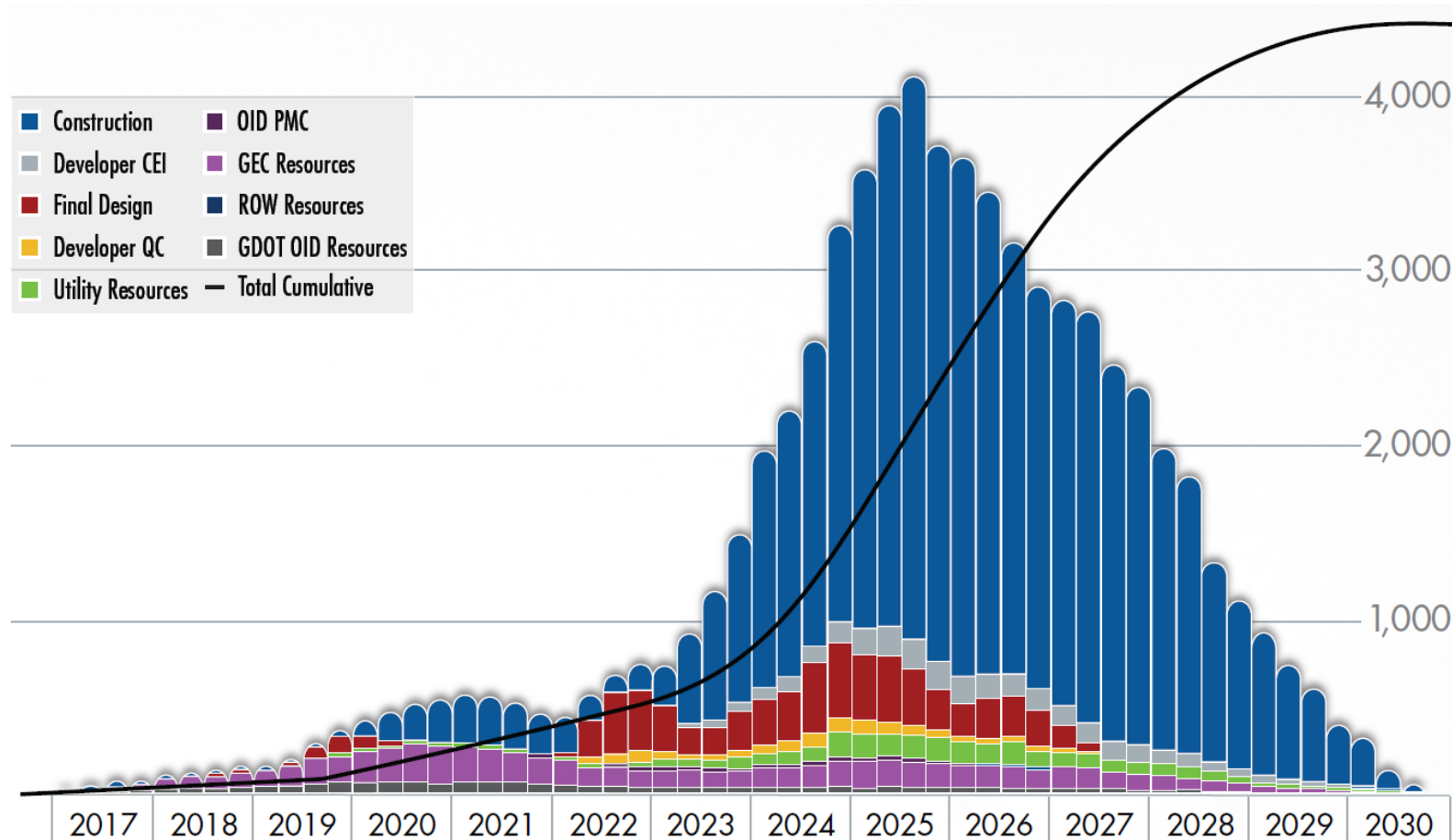


Est. Construction Start

The Design-Build process compresses project schedules by overlapping activities in the design and construction phases.



# Estimated Labor Needs for MMIP



# General Engineering Consultants(GECs)

<http://www.dot.ga.gov/PS/Business/Prequalification/PrequalConsultants>

1.06(a) NEPA	3.06 Traffic Operations Studies	5.04 Aerial Photography
1.06(b) History	3.07 Traffic Operations Design	5.05 Aerial Photogrammetry
1.06(c) Air Quality	3.08 Landscape Architecture Design	5.07 Cartography
1.06(d) Noise	3.09 Traffic Control Systems Analysis, Design and Implementation	5.08 Overhead-Subsurface Utility Engineering SUE
1.06(e) Ecology	3.10 Utility Coordination	6.01a Soil Survey Studies
1.06(f) Archaeology	3.12 Hydraulic and Hydrological Studies (Roadway)	6.01b Geological and Geophysical Studies
1.06(g) Freshwater Aquatic Surveys	3.13 Bicycle and Pedestrian Facility Design	6.02 Bridge Foundation Studies
1.06(h) Bat Surveys	3.15 Highway Lighting	6.03 Hydraulic and Hydrologic Studies (Soils and Foundation)
1.07 Attitude, Opinion, and Community Value Studies (Public Involvement)	4.01(a) Minor Bridge and Miscellaneous Highway Structure	6.04(a) Laboratory Materials Testing
1.09 Location Studies	4.02 Major Bridge Design	6.04(b) Field Testing of Roadway Construction Materials
1.10 Traffic Analysis	4.04 Hydraulic & Hydrological Studies (Bridges)	6.05 Hazardous Waste Site Assessment Studies
3.02 Two-Lane or Multi-Lane Urban Roadway Design	5.01 Land Survey	8.01 Construction Engineering and Supervision
3.03 Multi-Lane Urban Roadway Widening and Reconstruction	5.02 Engineering Survey	9.01 Erosion, Sedimentation, and Pollution Control Plan
	5.03 Geodetic Surveying	9.03 Field Inspections for Compliance of Erosion and Sedimentation Control Devices

# MMIP Consultant Opportunities

	Public Notice Advertisement (PNA)	Request for Qualifications (RFQ)	Awarded
<b>Innovative Delivery</b>			
Program Management Consultant (PMC)	✓	✓	✓
Programmatic General Engineering Consultant (GEC)	✓	✓	✓
Programmatic Construction Engineering & Inspection (CEI)	✓	✓	Fall 2017
Right-of-Way Service Provider	October 2017	November 2017	Spring 2018
<b>Major Mobility Investment Program</b>			
I-85 Widening	✓	✓	✓
SR 400 Express Lanes	✓	✓	Summer 2017
I-285 East Wall Express Lanes	✓	✓	Summer 2017
I-285/I-20 East Interchange	✓	✓	Summer 2017
16/95 Interchange and Widening	June 2017	July 2017	Winter 2017
I-285 West Wall Express Lanes	November 2017	January 2018	Spring 2018
I-285/I-20 West Interchange	November 2017	January 2018	Spring 2018
I-75 Commercial Vehicle Lanes	November 2017	January 2018	Spring 2018
Revive 285	Summer 2021	Summer 2021	Spring 2022



# Getting Started DBE Compliance and Certification

Kimberly King, Director  
GDOT Office of Equal Employment Opportunity



# DBE Compliance and Certification

- DBE Certification Process
- DBE Interstate Certification
- DBE Personal Net Worth
- MARTA DBE Certification Application - Firms located in Fulton, DeKalb, or Clayton County

# Wide Range of Opportunities

## Pre-Construction

- Printing, Proposal Preparation, Engineering, Environmental, etc.

## Construction

- Paving, Drainage, Clearing & Grubbing, Hauling, Demolition, etc.

## Operations & Maintenance

- ITS, Variable Message Signs, Mowing, Pavement Resurfacing, etc.

# NAICS Codes

- 541330 Engineering Services
- 237310 Highway, Street, and Bridge Construction
- 541512 Computer Systems Design Services
- 541360 Geophysical Surveying and Mapping Services
- 541620 Environmental Consulting Services

# Prequalification Process

## **ENGINEERING CONSULTANT**

- Area Class: 3.05 Urban Interstate Highway Design Minimum Qualification

<http://www.dot.ga.gov/PS/Business/Prequalification/PrequalConsultants>.

# Prequalification Process

## **SPECIALTY SERVICES**

- Field, Laboratory, and other Geotechnical, Environmental and Pit Quarry Control Services

<http://www.dot.ga.gov/PS/Business/Prequalification/SpecialtyServices#tab-4>



# Small Business Enterprises

Small Business Enterprises (SBEs) that meet all requirements are encouraged to consider DBE certification to help meet the growing demand for a robust pipeline of available DBE contractors for the Major Mobility Investment Program.

# DBE Requirement

MMIP contracts are subject to the same requirements as any Design-Bid-Build contract issued by the State.

All projects receiving federal assistance are subject to standard federal procurement requirements that relate to DBEs.

# DBE Outreach Prerequisite

- DBE Certification Application
- Construction Pre Qualifications Summary
- Engineering Consultant Pre Qualifications Summary
- Prequalification Questionnaire – DOT Form 478
- DOT Form 477
- Consultant Prequalification Application
- DBE Brochure
- Subcontractor Prequalification Application
- RFP /Industry Forum Schedule(s)



# Design Build and P3 Procurement

Joseph Lewis, Program Management Team

# Design-Build/P3 Procurement

## **What is a Public-Private Partnership (P3)?**

- A P3 contract for transportation infrastructure combines the design, construction, and partial or full financing of a project into one umbrella contract
- A P3 contract may also include long-term operations and maintenance (O&M) in the contract
- A P3 contract places additional risk on the private contractor which, in turn, brings value to the public agency and citizens through efficiency and innovation

# Design-Build/P3 Procurement DBE Engagement

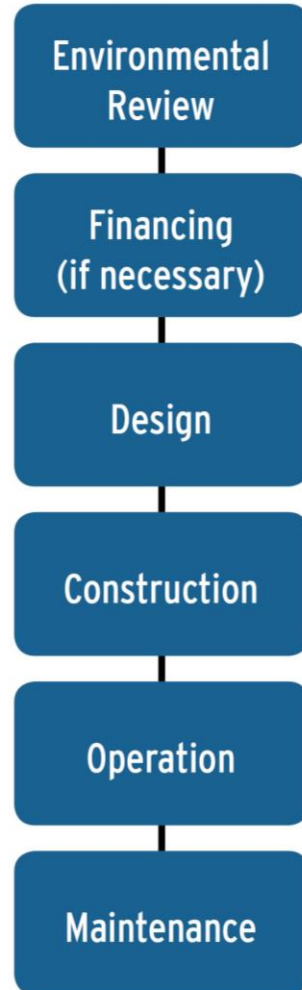
**The landscape for DBEs in P3 is different than that of Design-Bid-Build:**

- P3 projects are smaller in quantity with shorter timelines
- The P3 procurement process is long and time consuming
- Lack of knowledge of projects in the early stages of development



# Design-Build/P3 Procurement Scope

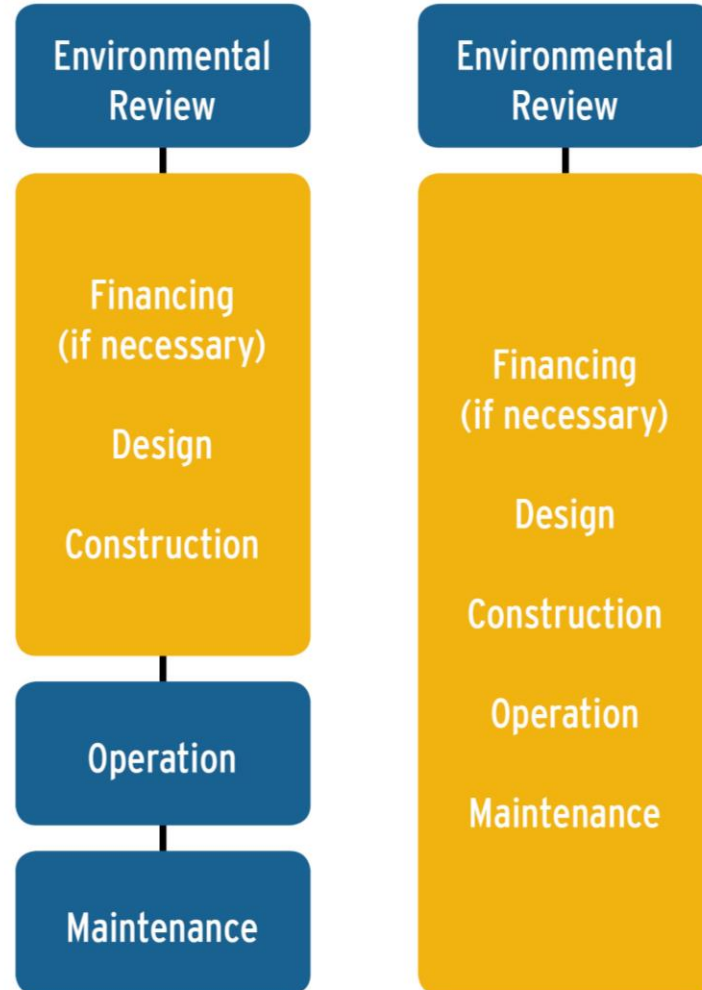
## Design-Bid-Build



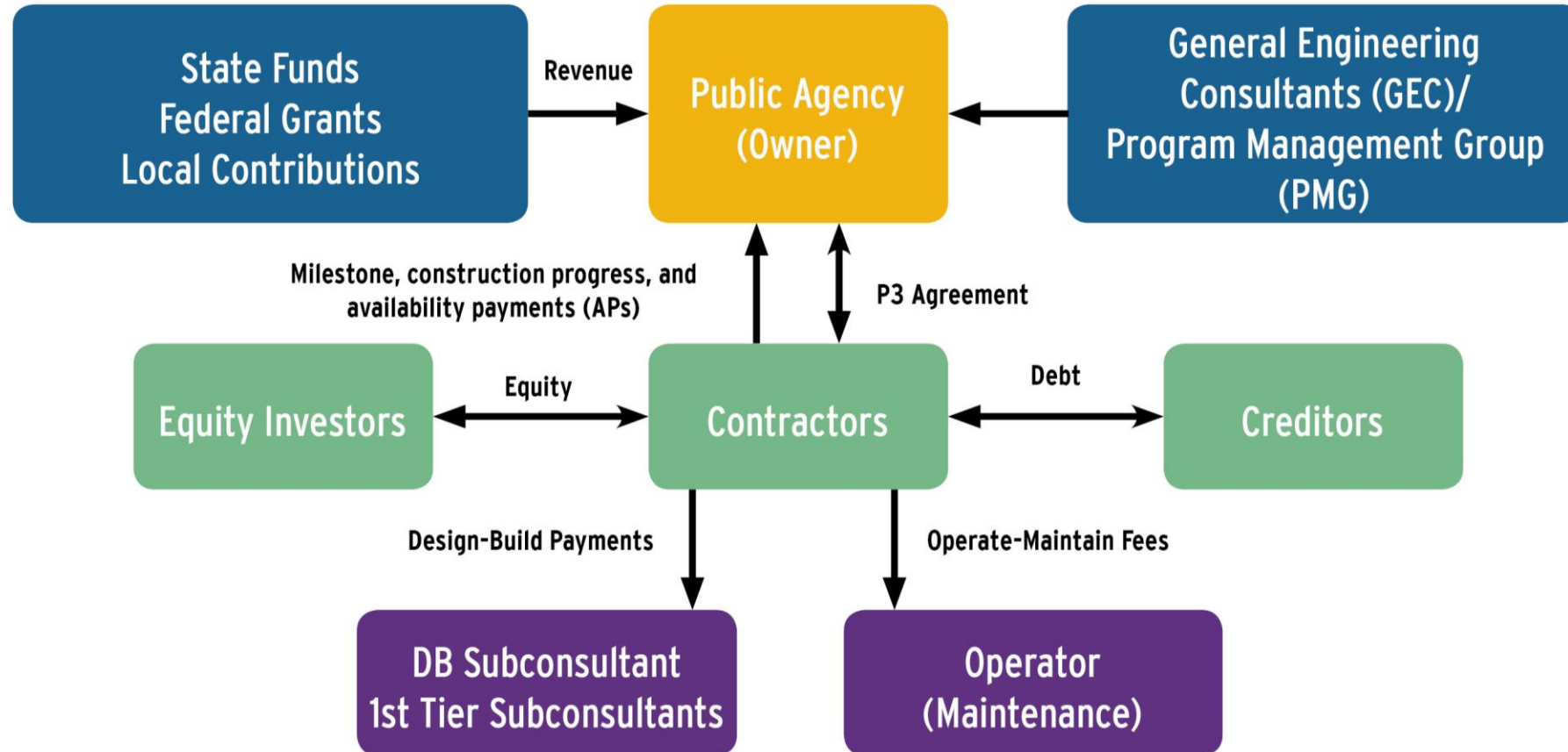
## Design-Build



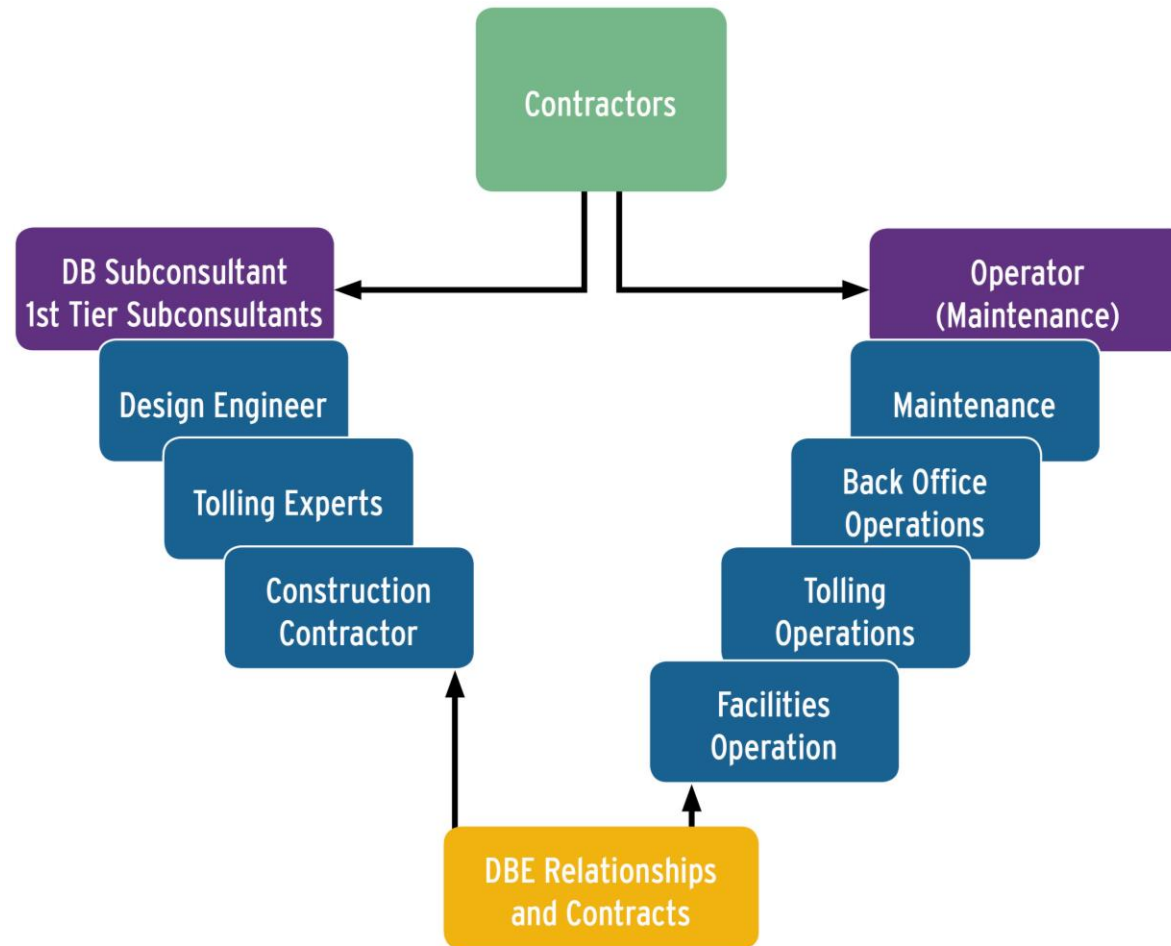
## Public-Private Partnerships



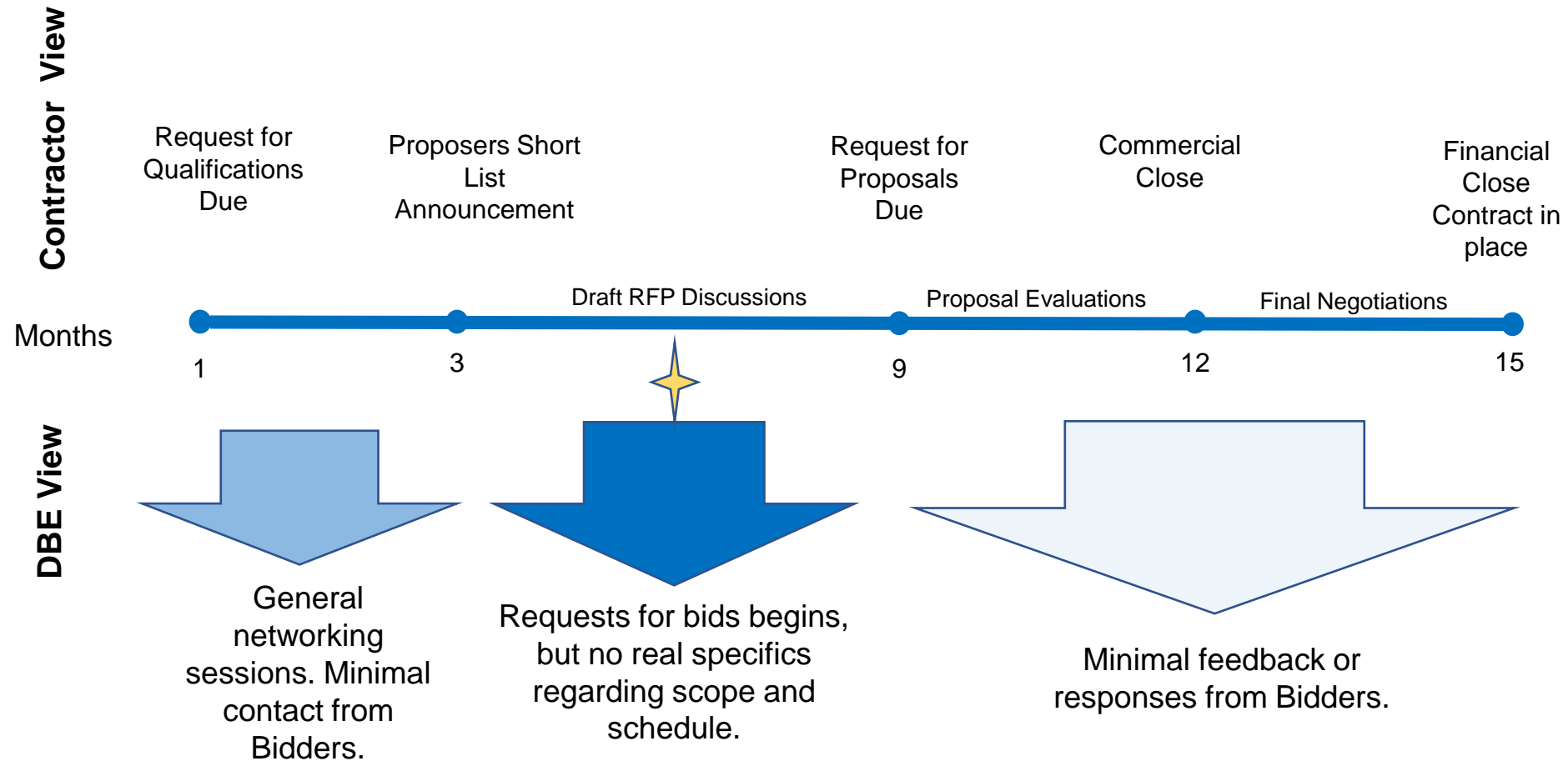
# Design-Build / P3 Procurement Subconsultant Team Structure



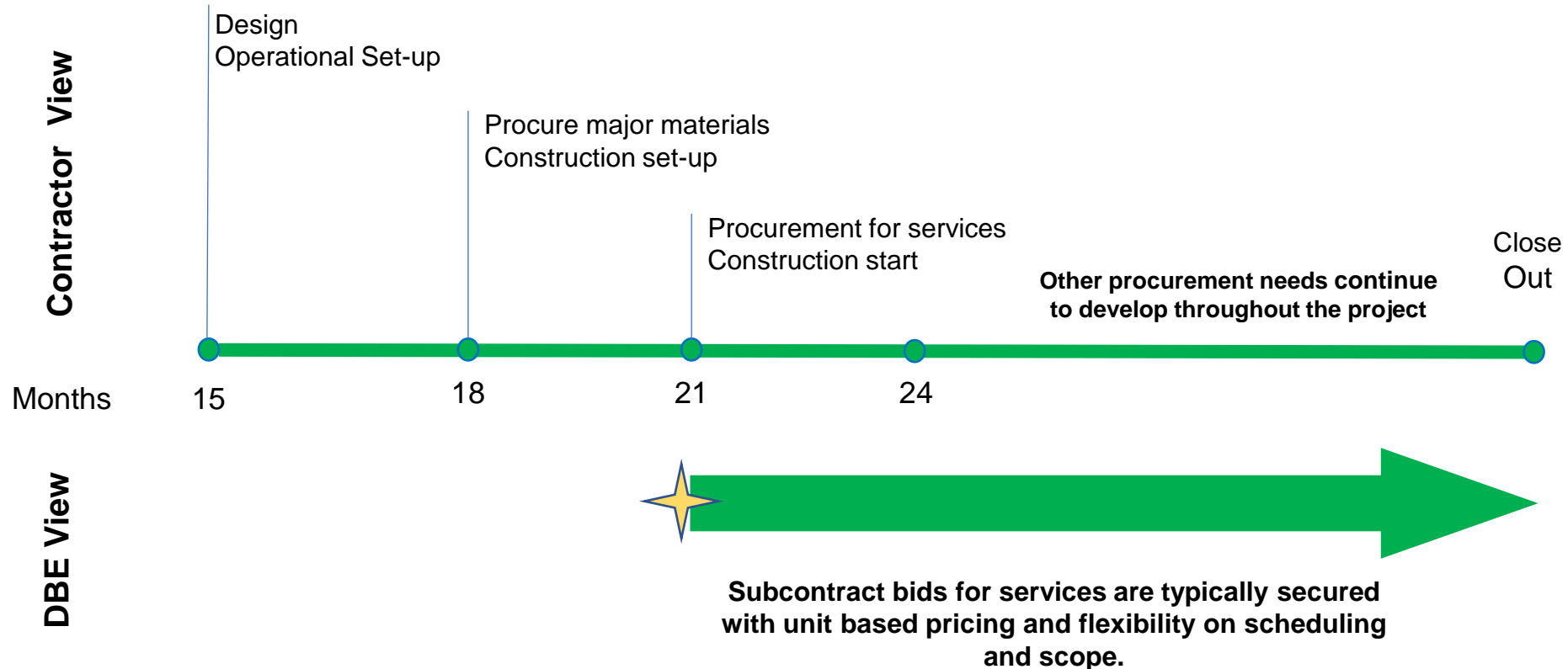
# Design-Build / P3 Procurement Subconsultant Team Structure



# Design-Build / P3 Procurement Cycle



# Design-Build / P3 Procurement Cycle



# DBEs Need to be “Opportunity Ready”

## Marketing

- Understand your value to the team
- Develop relationships with people
- Engage early and often
- Stay aware

## Bidding/Proposing

- Bonding
- Pricing mobilization
- Financial preparedness
- Staffing and workload management

## Execution

- Multiple inspections
- Daily logs
- Execution plans
- Safety officer
- Back-office support



The background of the slide features a faded, high-angle photograph of a multi-lane highway with several cars in motion. At the top of the slide, there is a horizontal bar with a grey rounded rectangle above it. The bar itself is divided into two sections: a yellow section on the left and a dark blue section on the right.

# What is your role as a DBE?

# Your role as a DBE

- Obtain DBE certification through Georgia DOT
- Maintain DBE Certification
- Connect online with the new MMIP Readiness Tool

# How to Get Involved

## ☑ Register in the “MMIP Readiness Tool”

- Go to <http://www.dot.ga.gov/PS/BusinessDBE>
- Click on “How I can Get Ready to Help GDOT Build A Better Georgia”
- This will take you to the “MMIP Readiness Program” for registration
- After you complete your “Readiness Tool” you will be connected

## ☑ Benefits of the “MMIP Readiness Tool”

- Timely information regarding DBE opportunities
- Direction and education to assist in securing contracts
- Supportive Services from GDOT providers
- Insight to prepare DBE’s to win work



# Closing Remarks

Networking Opportunity with GECs