



WELCOME

PROJECT INFORMATION SESSION

Ad# 25535

I-95 Interchange at Malabar Rd. PD&E Study, FM # 453587-1, and I-95 Interchange at S.R. 40 PD&E Study, FM # 453588-1

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Ad# 25542

S.R. 60 From Prairie Lake Rd to Florida's Turnpike PD&E Study. FM # 452574-1

July 15th, 2024



I-95 Interchange PD&E Studies

Ad #25535

S.R. 40 (Grenada Blvd.) Interchange, Volusia County
FPID: 453588-1-22-01

S.R. 514 (Malabar Rd.) Interchange, Brevard County
FPID: 453587-1-22-01

July 15th, 2024

FDOT PLEMO Team

- **Project Managers:**
 - David Graeber
 - Maria Serrano-Acosta

- **Department Designee:**
 - Steven Buck

- **TRC Members:**
 - Kellie Smith
 - Joseph Fontanelli
 - Casey Lyon



Contract Information

▪ Procurement

- Letter of Response and Presentation will be *based on the S.R. 40 Interchange only.*
- Letters of Response - submit to d5.profserv@dot.state.fl.us
- Five (5) firms will be shortlisted based on Letters of Response
- Two (2) firms will be selected based on Oral Presentations
 - SR40 Interchange contract limit \$3.5 million
 - Malabar Rd Interchange contract limit \$3.5 million

▪ Schedule

- Schedule – 24 Month Schedule

Procurement Questions?
Ask via email: d5.profserv@dot.state.fl.us

Contract Information – Work Types

- **Major Work Type - 2.0**— Project Development & Environmental (PD&E) Studies

- **Minor Work Type**

 - 3.2 - Major Highway Design

 - 3.3 – Control Access to Highway Design

 - 4.1.1 - Minor Bridge Design

 - 4.1.2 - Miscellaneous Structures

 - 4.2.1 - Major Bridge Design - Concrete

 - 4.2.2 - Major Bridge Design - Steel

 - 5.4 - Bridge Load Rating

 - 6.1 - Traffic Engineering Studies

 - 6.2 - Traffic Signal Timing

 - 6.3.1 - Intelligent Trans Systems Analysis & Design

 - 6.3.3 - Intelligent Trans Traffic Engin. Communications

 - 7.1 - Signing, Pavement Marking & Channelization

 - 7.2 - Lighting

 - 7.3 - Signalization

 - 8.1 - Control Surveying

 - 8.2 - Design, Right of Way, Construction Surveying

 - 8.3 - Photogrammetric Mapping

 - 8.4 - Right of Way Mapping

 - 9.1 - Soil Exploration

 - 9.2 - Geotechnical Classification Lab Testing

 - 9.4.1 - Standard Foundation Studies

 - 9.5 - Geotechnical Specialty Lab Testing

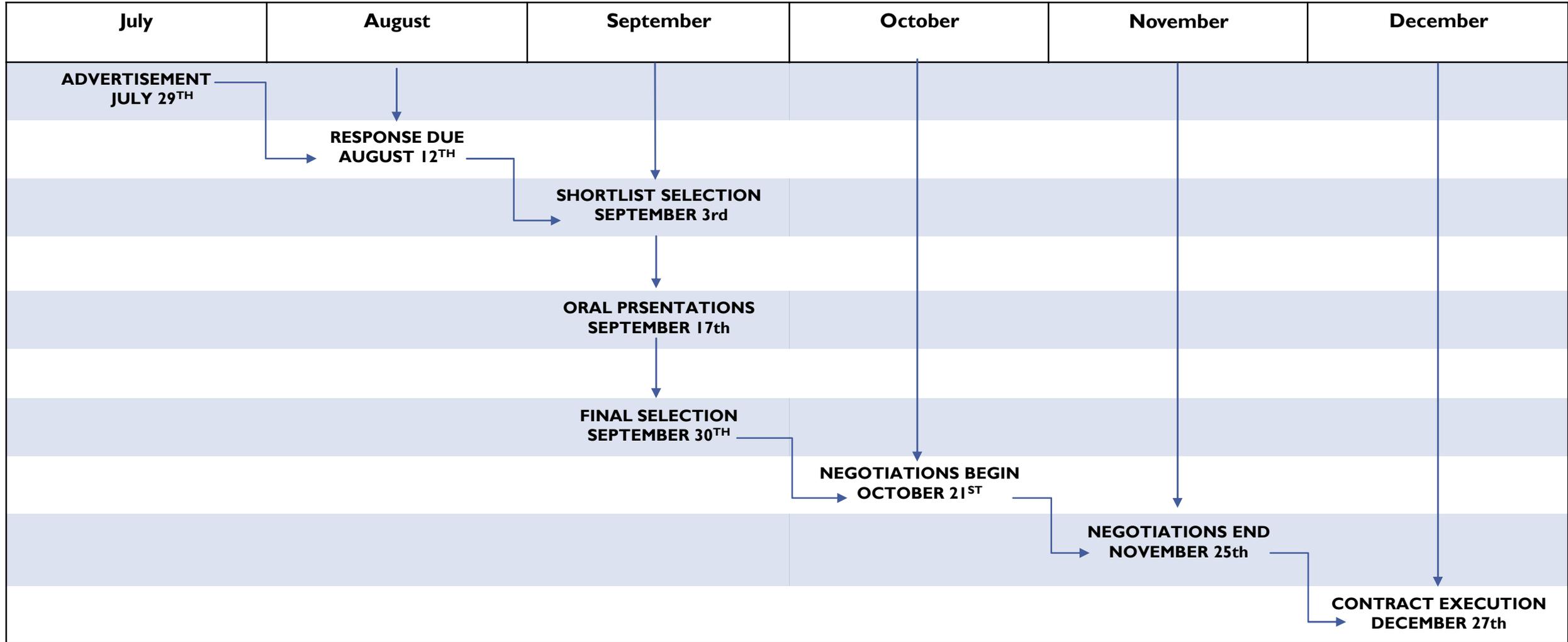
 - 13.4 - Systems Planning

 - 13.5 - Subarea/Corridor Planning

 - 15.0 - Landscape Architect



Procurement Schedule 2024



*These are tentative dates and are subject to change, frequently check FDOT websites.

Project Location and Description

- **I-95 at S.R. 40 (Grenada Blvd.)**
 - Volusia County
 - City of Ormand Beach
- **Evaluate improvements to the existing interchange of Interstate 95 at S.R. 40 (Grenada Blvd.)**
- **Existing tight diamond interchange**
- **S.R. 40 (Grenada Blvd.) Intersections**
 - Booth Road (signalized) – Approximately 1,200 Feet from Southbound Ramps
 - Interchange Blvd. (median opening) – Approximately 700 Feet from Southbound Ramps
 - Williamson Blvd. (signalized) – Approximately 800 Feet from Northbound Ramps



Project Location and Description

- **I-95 at S.R. 514 (Malabar Road)**
 - Brevard County
 - City of Palm Bay
- **Evaluate improvements to the existing interchange of Interstate 95 at S.R. 514 (Malabar Road)**
- **Existing diamond interchange**
- **S.R. 514 (Malabar Road)Intersections**
 - San Filippo Drive (Signalized) – Approximately 1,000 feet from Southbound Ramps
 - Directional Median Opening – Approximately 650 Feet from Southbound Ramps
 - Babcock Street (Signalized) – Approximately 2,500 Feet from Northbound Ramps
- **Malabar Road is County Road east of the southbound ramps**



Purpose and Need – Existing and Future Capacity/Traffic and Safety

- The purpose of these projects is to evaluate interchange improvements
- The primary needs for this project are to improve existing operational deficiencies, meet future travel demand, and improve safety.



Known Issues and Needs - I-95 at S.R. 40 (Grenada Blvd.)



Check CAP website regularly for updates

▪ Capacity/Transportation:

- High Growth Area
 - Future Developments in Volusia County
- Existing Interchange Delays
 - Interaction of Interchange Blvd with Interchange
- Traffic Data is Posted to CAP

▪ Safety:

- Crash Data
 - 106 Crashes from February 1, 2017, to January 31, 2022
- **Traffic Operations Study (2021) is posted to CAP**

Known Issues and Needs - I-95 at S.R. 514 (Malabar Rd.)



▪ Capacity/Transportation:

- High Growth Area
 - Improvements to local road network
- Existing Interchange Delays
 - Interaction of Median Opening just west of SB Ramps
- Traffic Data is Posted to CAP

▪ Safety:

- Existing Southbound S.R. 514 Ramp Back-up
- Crash Data
 - 167 Crashes from January 1, 2020, to December 31, 2022
- **Traffic Operations Study (2023) is posted to CAP**

Check CAP website regularly for updates

S.R. 40 Adjacent Projects

- **6-Lane Design Project (FPID 428947-1)**
 - Ongoing design project
 - Breakaway Trail to Williamson Blvd
- **S.R. 40 PD&E Study (FPID 428947-1)**
 - SEIR Completed in 2014
 - Breakaway Trail to Williamson Blvd

S.R. 514 Adjacent Projects

- **Malabar Road PD&E Study (FPID 437210-1)**
 - Ongoing LAP project – City of Palm Bay
 - Minton Road to St Johns Heritage Parkway
- **Malabar Road PD&E Study (430136-1)**
 - SEIR Completed in 2018
 - US 1 to Babcock Street

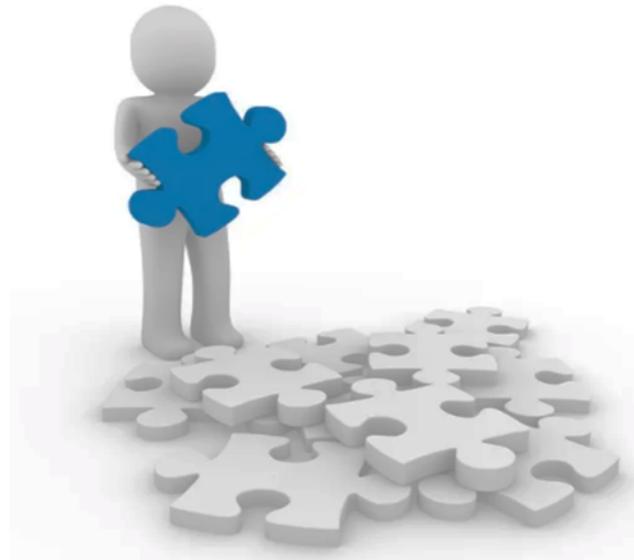
Please visit <http://www.cflroads.com> for all D5 Project website information

Other S.R. 40 Project Information

- Interchange Modification Report (IMR) to be Completed by FDOT
- ETDM (Ongoing)
 - Anticipated to be complete Early 2025
- Tomoka River (OFW)
 - North Crossing I-95
 - West Crossing SR 40

Other S.R. 514 Project Information

- Interchange Modification Report (IMR) to be Completed by FDOT
- ETDM (Ongoing)
 - Anticipated to be complete Early 2025



Project Information



The study will include:



Engineering to establish and analyze alternatives including the no build condition (traffic, horizontal and vertical roadway alignment, bridge alternatives analysis, utilities, access management, stormwater, etc)



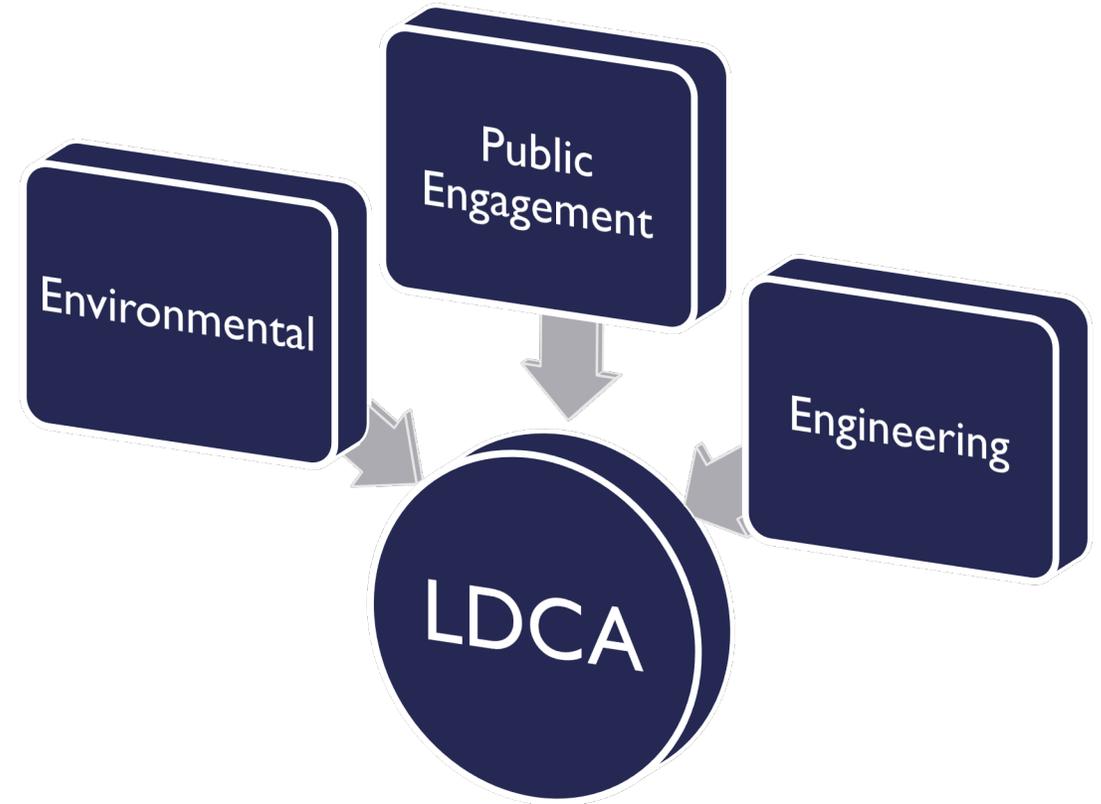
Environmental analysis to determine potential impacts on the social, economic, cultural, natural, and physical environment



Public Engagement to engage the stakeholders and agencies



Result: Location and design concept acceptance (LDCA) in accordance with FDOT policy, procedures, and requirements.



Grading Criteria

• Management (45)

- Team dynamic (10)
- Project Management (10)
- Staffing (10)
- Schedule (10)
- QA/QC (5)

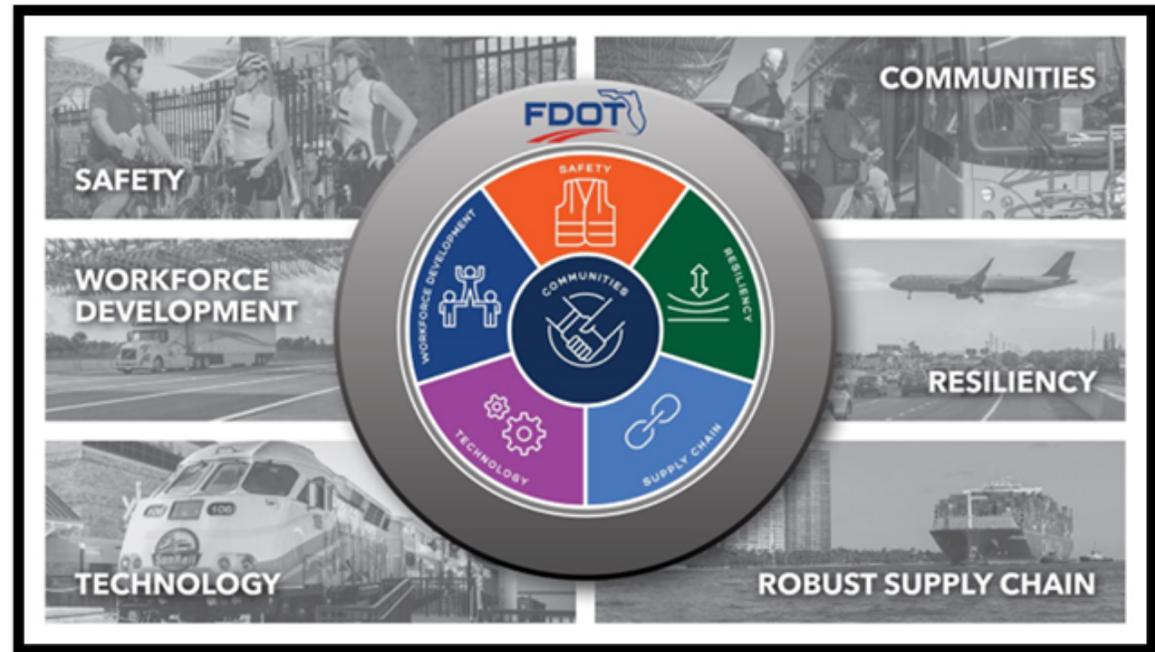
• Technical (25)

- Project approach (15)
- Innovation/Value add (5)
- Environmental approach (5)

• Engagement (25)

- Stakeholder and community

• Presentation (5)





Reminders

Submit your Letters of Response and all project questions must be submitted to:
D5.profserv@dot.state.fl.us.

This presentation will be linked
to our PLEMO CAP site located at:
<https://www.cflroads.com/d5fdotdesign/>