

I-95 at Pioneer Trail Interchange

Project Development & Environment (PD&E) Study

from Williamson Boulevard to Turnbull Bay Road
Volusia County

Financial Project ID No. (FPID): 436292-1

PUBLIC HEARING

September 30, 2020
5:30 p.m. to 7:30 p.m.

Live webinar and in-person
at the Brannon Center
105 S. Riverside Drive
New Smyrna Beach, Florida 32186

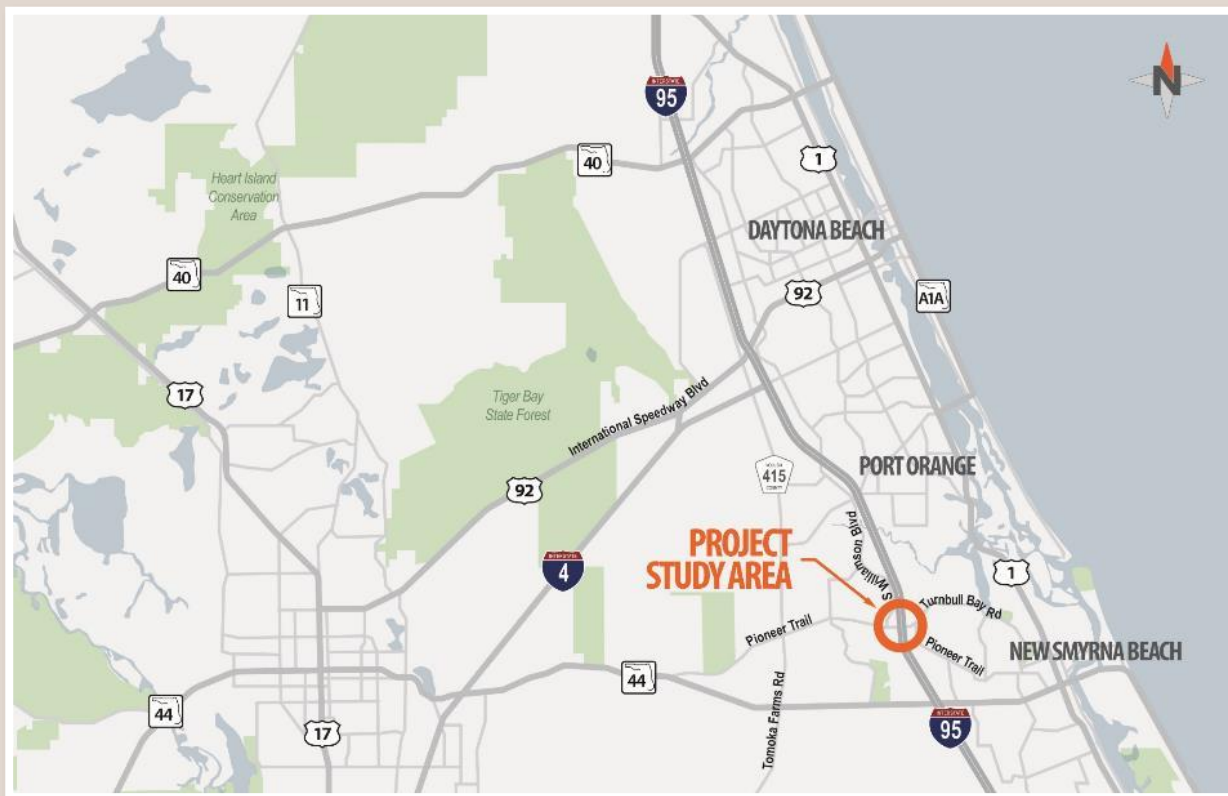


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Welcome



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Hearing Purpose and Speakers

The purpose of this public hearing is to share information with the general public about the proposed improvement, its conceptual design, all alternatives under study, and the potential benefit and adverse social, economic, and environmental impacts upon the community.

**FDOT Project Manager
Mary McGehee**

**Project Consultant
Luis Diaz, P.E.**

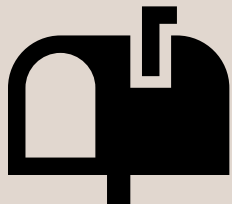


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Public Notice



Property owner/tenant letters



Emails to project contacts list



Department or project webpage



Florida Administrative Register



Newspaper



Social media



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Public Comment

During hearing

Virtual



Typed
comment or
request to
speak via
Questions
Pane

In-person



Verbally
during public
comment
or directly
to court
reporter

After hearing

1. Florida Department of Transportation, MS 501
Attn: Mary McGehee
719 S. Woodland Boulevard
DeLand, Florida 32720
2. Phone: 386-943-5063
3. mary.mcgehee@dot.state.fl.us



www.cflroads.com ( in top right corner and search 436292-1)



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Title VI

This hearing is being conducted without regard to race, color, national origin, age, sex, religion, disability or family status. Persons wishing to express their concerns relative to FDOT compliance with Title VI may do so by contacting:

District Five

Florida Department of Transportation
District Five Title VI Coordinator
Jennifer Smith
719 South Woodland Boulevard
DeLand, FL 32720-6834
386-943-5367
Jennifer.Smith2@dot.state.fl.us

Central Office

Florida Department of Transportation
Statewide Title VI Coordinator
Jacqueline Paramore
605 Suwannee Street, MS 65
Tallahassee, FL 32399-0450
850-414-4753
Jacqueline.Paramore@dot.state.fl.us

All inquiries or complaints will be handled according to FDOT procedure and in a prompt and courteous manner



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FPID: 436292-1 ETDM No.: 14193

NEPA Assignment

The environmental review, consultation, and other actions required by applicable federal environmental laws for this project are being, or have been, carried out by the Florida Department of Transportation (FDOT) pursuant to Title 23 U.S.C. §327 and a Memorandum of Understanding dated December 14, 2016 and executed by the Federal Highway Administration and FDOT.



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FPID: 436292-1 ETDM No.: 14193

Public Hearing Format

- ❖ Presentation
 - Project Overview
 - Purpose and Need
 - Study Alternatives
 - Recommended Alternative
 - Evaluation Factors
 - Next Steps
- ❖ Formal Public Comment Period



I-95 at Pioneer Trail Interchange PD&E Study

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FPID: 436292-1 ETDM No.: 14193

How do we get there?

THE PROJECT DEVELOPMENT PROCESS



Note: Start date for each individual phase depends on funding availability

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What is a PD&E Study?

A Project Development and Environment (PD&E) study is an environmental and engineering process used to document social, economic, and environmental impacts associated with a proposed transportation improvement project.

❖ The process to analyze a transportation project includes:

- Engineering Analysis
 - Identify potential design solutions
- Environmental Evaluations
 - Evaluate potential impacts to the natural, social, and physical environments
- Public Involvement
 - Inform and involve interested parties
 - Seek public input

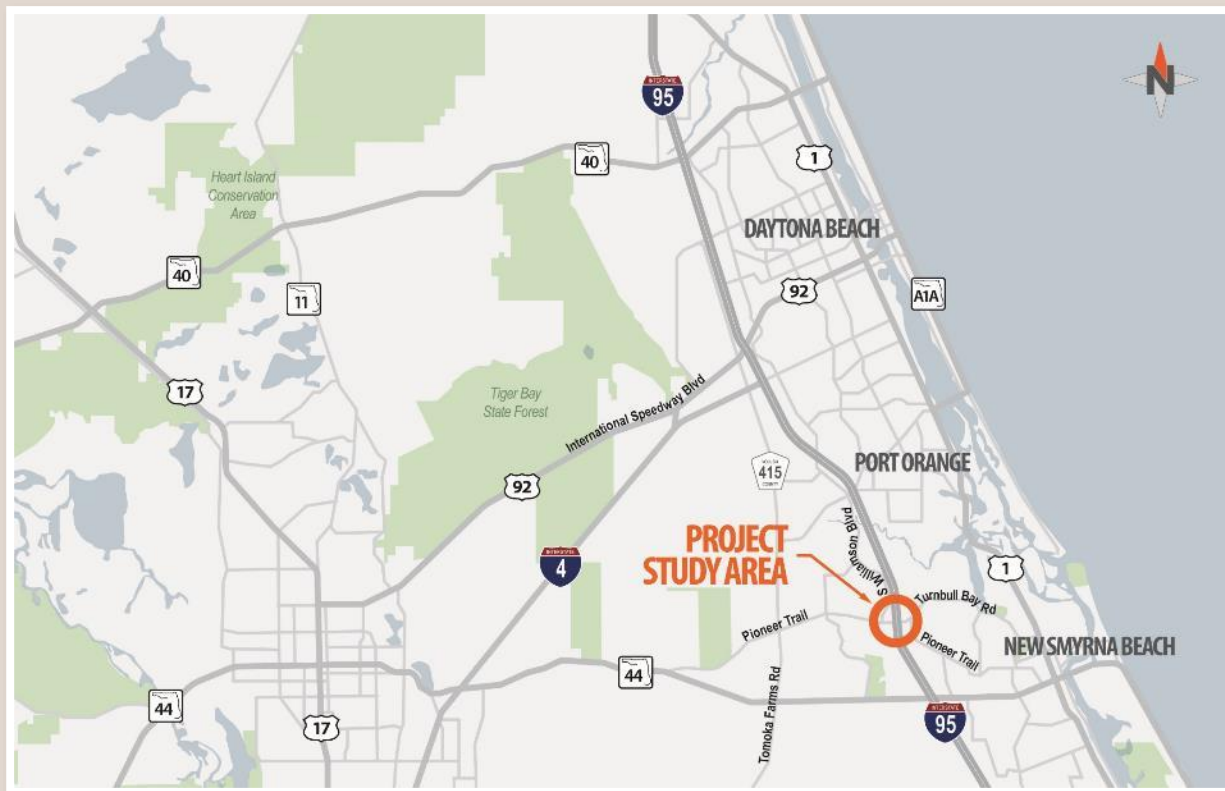


I-95 at Pioneer Trail Interchange PD&E Study

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Study Location



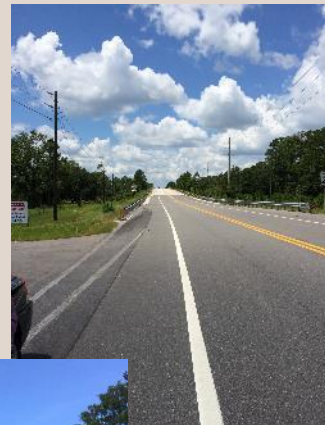
I-95 at Pioneer Trail Interchange PD&E Study

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FPID: 436292-1 ETDM No.: 14193

Purpose and Need

- ❖ Sustain projected future growth while preserving the character of existing communities and environment
- ❖ Improve regional mobility in southeast Volusia County
- ❖ Improve traffic safety
- ❖ Enhance emergency evacuation and safety
- ❖ Included in River to Sea Transportation Planning Organization (TPO) Priority Projects



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Alternatives Considered

- ❖ No Build Alternative
- ❖ Three (3) Build Alternatives
 - Diamond Interchange
 - Partial Cloverleaf #1 – Includes southbound loop off-ramp
 - Partial Cloverleaf #2 – Includes southbound and northbound loop off-ramps



Diamond Interchange



Partial Cloverleaf #1



Partial Cloverleaf #2



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FPID: 436292-1 ETDM No.: 14193

Public Engagement

- ❖ Public Kickoff Meeting – June 13, 2018
 - Opposition – increased traffic volumes and potential environmental impacts
 - In support – improved interstate access and emergency evacuation

- ❖ Alternatives Public Meeting – April 30, 2019
 - 28 comments in support of the No Build Alternative
 - 61 comments in support of an interchange
 - 12 - Diamond interchange
 - 0 – Partial Cloverleaf #1
 - 43 – Partial Cloverleaf #2
 - 6 – No preferred alternative



I-95 at Pioneer Trail Interchange PD&E Study

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FPID: 436292-1 ETDM No.: 14193

Evaluation Criteria

- ❖ Cultural
- ❖ Social and Economic
- ❖ Natural
- ❖ Physical
- ❖ Engineering
- ❖ Project Cost



I-95 at Pioneer Trail Interchange PD&E Study

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FPID: 436292-1 ETDM No.: 14193

Alternatives Evaluation Matrix

Evaluation Factors	Alternative								
	No Build		Diamond		Partial Cloverleaf 1		Partial Cloverleaf 2		
PLANNING CONSISTENCY									
Consistency with Long Range Transportation Plan	NO		YES		YES		YES		
SOCIAL ENVIRONMENT									
# of Parcels Impacted	N/A		16		16		16		
# of Potential Relocations	N/A		1		1		1		
Total Right of Way required (acres)	N/A		81.5		85.1		79.5		
PHYSICAL ENVIRONMENT									
Potentially Contaminated Sites	N/A		4 – LOW, 1- MEDIUM		4 – LOW, 1- MEDIUM		3 – LOW, 1 - MEDIUM		
NATURAL ENVIRONMENT									
Wetland Impacts (acres)	N/A		46.0		47.3		47.0		
Cultural Impacts	N/A		0		0		0		
Floodplain Impacts (acre-feet)	N/A		7.6		7.7		7.7		
Wildlife Impacts	N/A		0		0		0		
ENGINEERING ANALYSIS									
Traffic Operations - Delay*	AM	PM	AM	PM	AM	PM	AM		PM
S.R. 421 – Dunlawton Avenue (sec/veh)	78.9	57.6	23.3	21.9	23.3	21.9	23.3	21.9	
Pioneer Trail (sec/veh)	N/A	N/A	28.9	21.0	26.3	25.2	22.2	15.6	
S.R. 44 (sec/veh)	97.8	26.1	24.4	19.2	24.4	19.2	24.4	19.2	
Bike/Pedestrian/ADA	NO IMPROVEMENTS		BIKE LANES & SIDEWALKS		BIKE LANES & SIDEWALKS		BIKE LANES & SIDEWALKS		
Emergency Evacuation	NO IMPROVEMENTS		BETTER – ADDITIONAL ACCESS		BETTER – ADDITIONAL ACCESS		BETTER – ADDITIONAL ACCESS		
Estimated Roadway Construction Cost (includes MOT, Mobilization and Contingencies)	\$0		\$39,950,000		\$41,320,000		\$36,800,000		

*Amount of delay experienced by drivers while traveling through an intersection.



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FPID: 436292-1 ETDM No.: 14193

Preferred Alternative Partial Cloverleaf 2

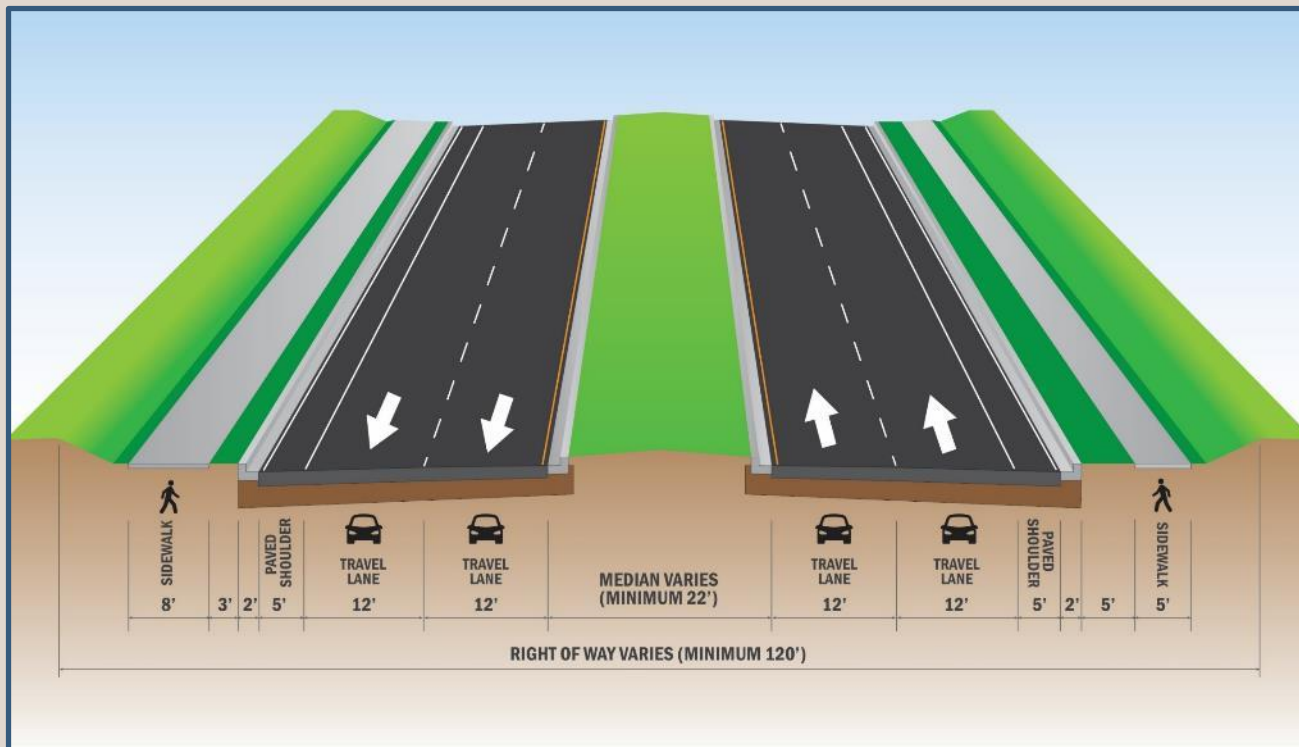


I-95 at Pioneer Trail Interchange PD&E Study

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FPID: 436292-1 ETDM No.: 14193

Preferred Typical Section Pioneer Trail

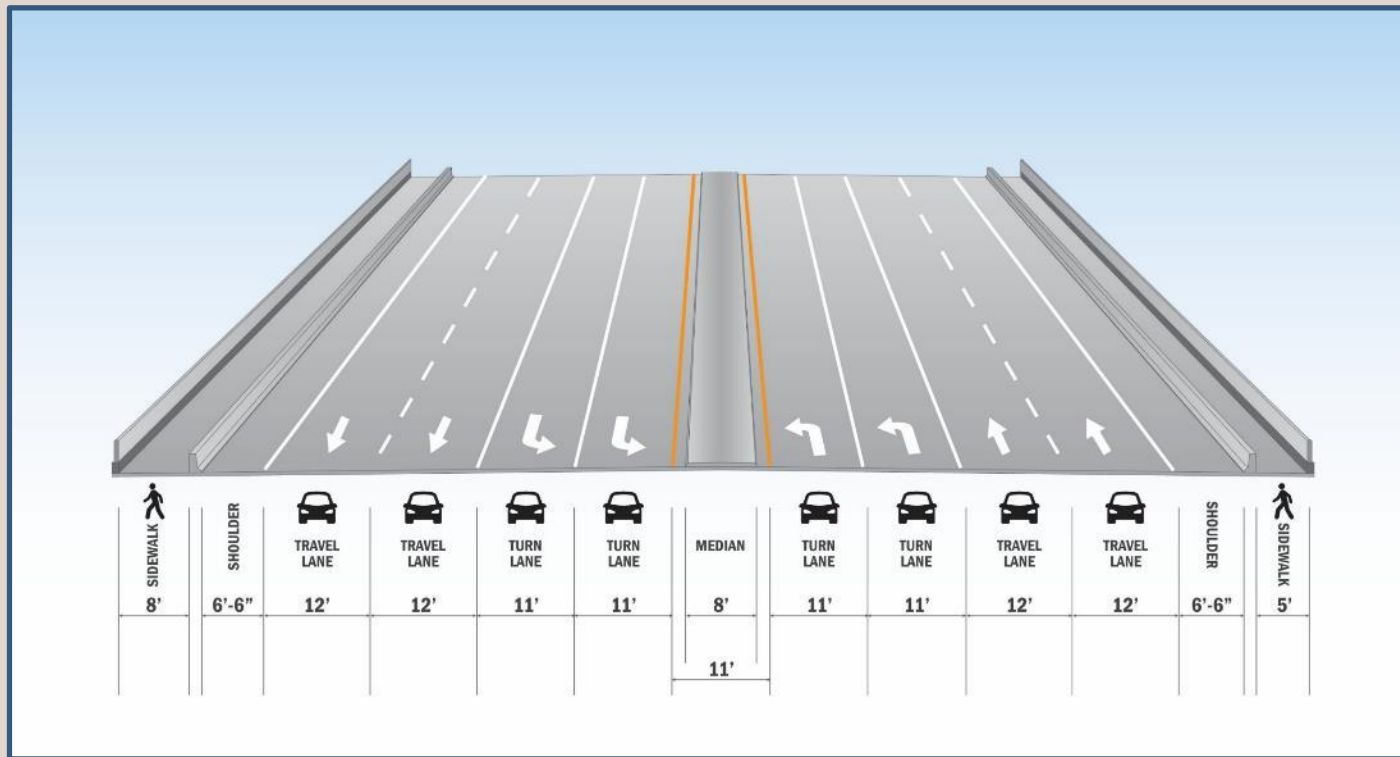


I-95 at Pioneer Trail Interchange PD&E Study

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FPID: 436292-1 ETDM No.: 14193

Preferred Bridge Typical Section



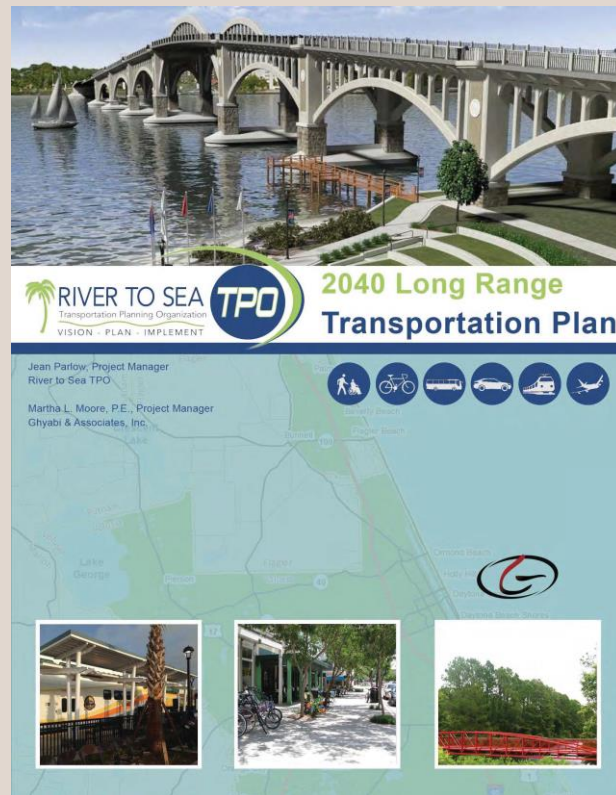
I-95 at Pioneer Trail Interchange PD&E Study

from Williamson Boulevard to Turnbull Bay Road

FPID: 436292-1 ETDM No.: 14193

Social and Economic

- ❖ Consistent with Adopted Plans
 - Strategic Intermodal System (SIS)
 - River to Sea TPO (R2CTPO)
 - State Transportation Improvement Program (STIP)
 - Local (Volusia County) Project
- ❖ Community Impacts
 - One (1) potential relocation
- ❖ Economic Development
 - Increase access and enhance mobility
 - Support future development
 - Support local economy and employment through construction activity



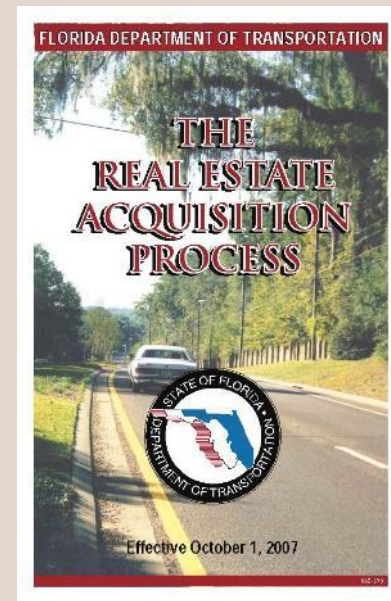
I-95 at Pioneer Trail Interchange PD&E Study

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FPID: 436292-1 ETDM No.: 14193

Right-of-Way Requirements

- ❖ 79.5 acres needed
 - Roadway and drainage
- ❖ One (1) potential relocation anticipated
- ❖ Right-of-way acquisition process
 - Uniform Relocation Assistance and Real Property Acquisition Act of 1970
 - FDOT Real Estate Acquisition Process



I-95 at Pioneer Trail Interchange PD&E Study

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FPID: 436292-1 ETDM No.: 14193

Cultural/Historic Resources and Section 4(f)

- ❖ Conducted in compliance with Section 106 of the National Historic Preservation Act of 1966; the National Environmental Policy Act of 1969; and Chapter 267, Florida Statutes
- ❖ Historic Resources - two previously recorded historic linear resources
 - Fort Kingsbury to New Smyrna Road (8VO07656)
 - Pioneer Trail (8VO07660)
 - Neither were recommended for listing in the National Register of Historic Places (NRHP)
 - The project will have NO EFFECT on NRHP-listed or –eligible historic properties
- ❖ Archeological Resources
 - No artifacts and no archeological sites or occurrences identified
- ❖ Section 4(f) Properties
 - None identified



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Wetlands and Floodplains

- ❖ Wetland Impacts
 - 46.9 acres
 - 17 wetlands affected
- ❖ There are two permitted mitigation banks that meet both state and federal criteria to offset impacts from the project
- ❖ Floodplain Impacts
 - 7.7 acre-feet of encroachment
- ❖ 8.7 acre-feet of compensatory storage will be provided to offset impacts



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FPID: 436292-1 ETDM No.: 14193

Wildlife and Habitat

- ❖ In accordance with Title 50, Code of Federal Regulations, Part 402 of the Endangered Species Act of 1973, as amended
- ❖ Potential for six (6) federally protected animals and three (3) federally protected plants to occur within the study area
 - “May affect, but not likely to adversely affect”
 - Eastern Indigo Snake
 - Florida Scrub-jay
 - Bald Eagle
 - Wood Stork
 - Rugel’s Pawpaw
 - Okeechobee Gourd
 - “No effect” determination
 - Everglade snail kite
 - Red-cockaded woodpecker and
 - Fragrant prickly apple
- ❖ No adverse effects are anticipated with State-protected plant or animals
- ❖ No involvement with Essential Fish Habitat



I-95 at Pioneer Trail Interchange PD&E Study

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FPID: 436292-1 ETDM No.: 14193

Air Quality and Noise Evaluations

❖ Air Quality

- Performed using methodology established in the FDOT Project Development and Environment (PD&E) Manual, Part 2, Chapter 19
- Project is in an attainment area
- Criteria pollutants under National Ambient Air Quality Standards (NAAQS) are considered to be at an acceptable level

❖ Noise Evaluation

- Completed in accordance with the CFR Title 23, part 772 (23 CFR 772) and Section 335.17, Florida Statutes
- No noise sensitive areas or noise receptors within the project study area



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FPID: 436292-1 ETDM No.: 14193

Potential Contamination Sites

- ❖ Contamination Screening Evaluation conducted and identified five potential sites located in the southeast quadrant of the proposed interchange area
 - Four (4) Low-Risk Sites
 - Sampling Station #27080084
 - Sampling Station #27080085
 - USGS Site 1
 - USGS Well #8455
 - One (1) Medium-Risk Site
- ❖ Level II Impact to Construction Assessments (ICAs) recommended by FDOT for the Medium-Risk Site



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Utilities

- ❖ Utilities within the project area
 - Electric/ Power
 - Power transmission line on the west side of the interstate
 - Communications
- ❖ Coordination with utility owners to minimize impacts
 - Majority of utilities are located within the existing right of way by permit
 - The Florida Power and Light facility is an existing easement
 - City of New Smyrna Beach Utilities Commission power easement in the southwest quadrant



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Stormwater and Drainage Evaluation

- ❖ St. Johns River Water Management District (SJRWMD), FDOT and applicable Volusia County criteria
- ❖ Project area within Spruce Creek Watershed in the Northern Coastal Basin
 - Spruce Creek is an Outstanding Florida Water (OFW)
- ❖ Wet Detention Ponds
 - Six (6) new proposed and one (1) existing modified
 - Minimize offsite impacts
 - Existing cross drains will be abandoned. New roadside ditches and new cross culverts will be added
- ❖ Portions of project lie within 100-year floodplain
 - Five (5) floodplain compensation ponds proposed
 - No adverse impacts are anticipated to the 100-year flood stage



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Project Costs

Roadway Construction	\$ 36,805,000
Construction Engineering & Inspection	\$ 3,681,000
Engineering Design	\$ 4,049,000
Right-of-Way	\$ 7,698,000
Utilities	\$ 1,900,000
Mitigation	\$ 4,000,000
Estimated Total Cost	\$ 58,133,000



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Next Steps

- ❖ PD&E Study Phase
 - Study complete - Winter 2021
- ❖ Design Phase
 - Preliminary design work is on-going
 - Final design plans - Spring 2021
- ❖ Right of Way
 - Acquisition is planned to begin in 2021
- ❖ Construction
 - Currently Unfunded




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Draft Study Documents

- ❖ Draft documents were available for review starting September 9, 2020 and will remain on display until October 21, 2020 at:
 - New Smyrna Beach Regional Library
1001 S. Dixie Freeway, New Smyrna Beach, FL 32168
Monday through Friday, 9 a.m. - 6:30 p.m.
Friday and Saturday, 9 a.m. - 5 p.m.
 - DeLand Library
130 E. Howry Avenue, DeLand, FL 32724
Monday through Friday, 9 a.m. - 6:30 p.m.
Friday and Saturday, 9 a.m. - 5 p.m.
 - Online at www.cflroads.com
Simply click  and type 436292-1 in the search box. Then you can click on the project name in the search results



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Formal Public Comment Period

Please submit public hearing comments by October 21, 2020



Responses to comments and questions will be provided later.



All comments and questions will be part of the public hearing record.



All registrants will receive a link to the hearing recording.




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FPID: 436292-1 ETDM No.: 14193

Formal Public Comment Period

- ❖ Virtual Attendees
 - Request to speak via the Questions Pane
- ❖ In-Person Attendees
 - Public comment at the microphone (speaker card)
 - OR speak individually to the court reporter

SPEAKER REQUEST CARD		Number
		
<i>To be completed prior to making a recorded statement</i>		
PUBLIC HEARING – September 30, 2020		
I-95 AT PIONEER TRAIL INTERCHANGE PD&E STUDY		
FROM WILLIAMSON BOULEVARD TO TURNBULL BAY ROAD		
FPID NO.: 436292-1		
PLEASE PRINT:		
Name: _____		
Address: _____		
City	State	Zip
Representing: _____		
<small>Note: In order to allow all persons the opportunity to speak, please limit your comments to 3 minutes. Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability, or family status. All verbal or written comments provided become part of the project record. This information may be provided to other individuals who make a public records request.</small>		

Virtual



**Request to
speak via the
Questions
pane**

In-person



**Verbally or
directly to
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Conclusion



Type comments or questions in the Questions Pane on the control panel.

After hearing, by October 21, 2020

1. Florida Department of Transportation, MS 501
Attn: Mary McGehee
719 S. Woodland Boulevard
DeLand, Florida 32720
2. Phone: 386-943-5063
3. mary.mcgehee@dot.state.fl.us



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THANK YOU

