

CR 713/SW High Meadow Avenue

From I-95 to CR 714/SW Martin Highway

Martin County, Florida

Florida Department of Transportation

Project Development and Environment (PD&E) Study

Florida Department of Transportation

Financial Project ID: 441699-1-22-02

Efficient Transportation Decision Making (ETDM) Number: 14501

Alternatives Public Workshop

Virtual – June 25th, 2024

In person – June 27th, 2024





Agenda

- »» Project Team
- »» Meeting Format
- »» Rules of Engagement
- »» Transportation Development Process
- »» Project Location
- »» Adjacent Projects
- »» Purpose and Need
- »» Existing Conditions
- »» Alternatives Evaluation
- »» Environmental Analysis
- »» Public Involvement
- »» Project Schedule
- »» Questions and Answers

PROJECT TEAM



Damaris Williams, P.E., C.P.M.
Project Manager
Florida Department of Transportation



Paul Carballo, P.E.
Consultant Project Manager
Metric Engineering Inc.



Lauren Hatchell
Public Involvement Coordinator
Media Relations Group, LLC

ELECTED OFFICIALS

MEETING FORMAT

Virtual



Virtual:

Date: Tuesday, June 25th, 2024

Time: 5:30 p.m.

In-Person



In-Person:

Date: Thursday, June 27th, 2024

Time: 5:30 p.m.

Location: Palm City Community Center,
2701 SW Cornell Ave, Palm City, FL 34990

RULES OF ENGAGEMENT

This Alternatives Public Workshop Meeting is being recorded.

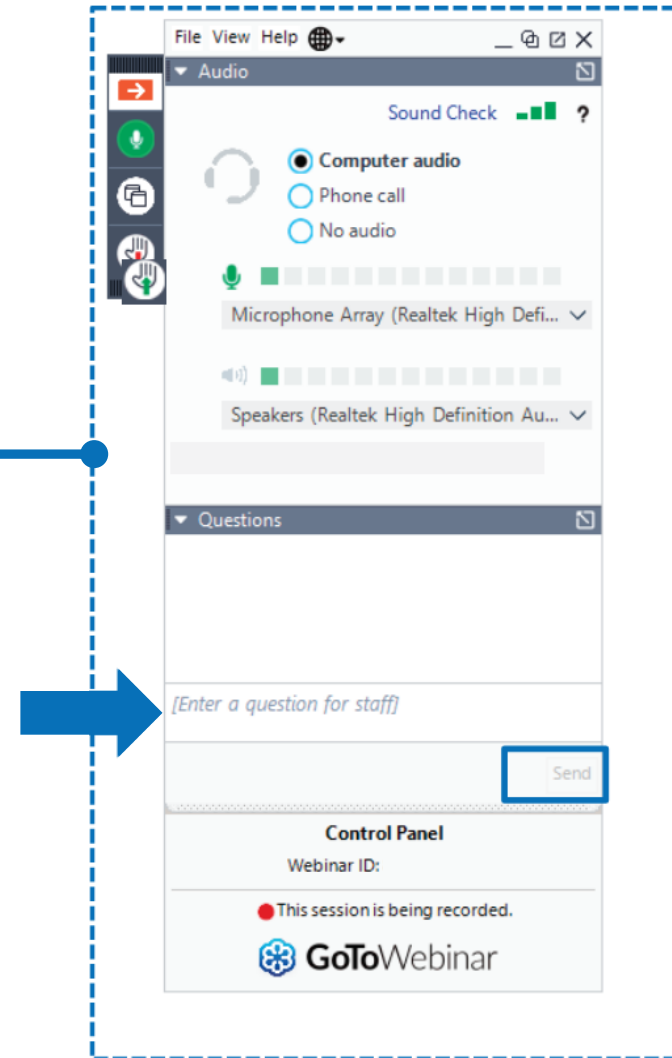


All attendees will remain muted throughout the meeting except during the Open Discussion.



At the end of the presentation attendees are also welcome to submit any questions/comments using the GoToWebinar Question Panel and a member of the team will respond during the question-and-answer portion. To request to speak, click the Raise Hand button on the Control Panel and unmute your microphone when your name is called.

GO TO WEBINAR CONTROL PANEL



DIAL-IN BY PHONE ATTENDEES

Dial-in attendees are "listen only"



If you requested or downloaded the presentation



Paper copy of the presentation



Presenter will indicate slide number

www.fdot.gov/projects/cr713pde

TO REPORT TECHNICAL ISSUES



Type in the
Question box
on GoToWebinar
Control Panel

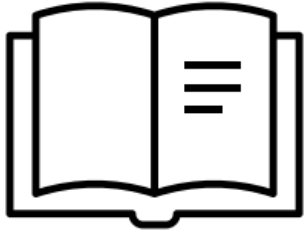


Send an email to:
manny@graph-
code.com

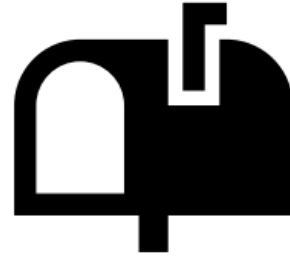


Call:
786-352-4351

PUBLIC NOTICE



Florida Administrative Register



Property owner/tenant letters



Email to project contacts list



Department/project webpage



Newspapers



Social media

NON-DISCRIMINATORY POLICY

Title VI Compliance

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

Sharon Singh Hagyan
District Four Title VI Coordinator
3400 West Commercial Boulevard
Fort Lauderdale, FL 33309
(954) 777-4190
(866) 336-8435, Ext. 4190 (Toll Free)
Sharon.SinghHagyan@dot.state.fl.us

Stefan Kulakowski
Statewide Title VI Coordinator
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Tallahassee, FL 32399
(850) 414-4764
(866) 374-3368, Ext. 4742 (Toll Free)
Stefan.Kulakowski@dot.state.fl.us

FEDERAL-STATE PARTNERSHIP

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 FDOT pursuant to 23 U.S.C. 327 and a Memorandum of Understanding dated May 26, 2022, and executed by the Federal Highway Administration (FHWA) and FDOT.

TRANSPORTATION DEVELOPMENT PROCESS



Project Development & Environment (PD&E)

Why it's done:

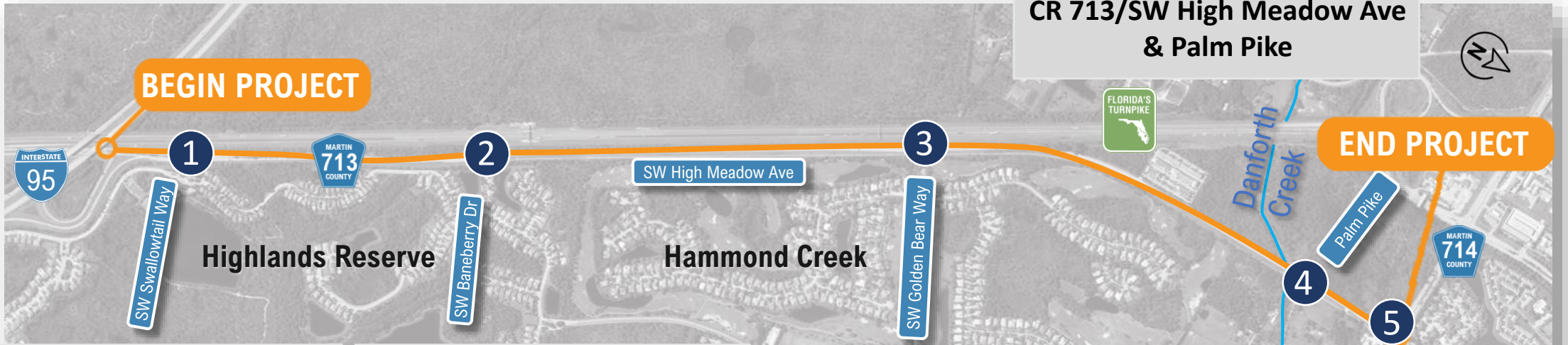
- Evaluate project feasibility & potential environmental impacts (natural, physical, social, cultural)
- Comply with federal & state environmental laws
- Secure federal regulatory approval

What it involves:

- Conducting preliminary engineering
- Evaluating options to avoid, minimize or mitigate potential environmental impacts
- Coordinating with federal, state, & local agencies
- Engaging the public during the transportation decision-making process
- Analyze alternatives & select a preferred alternative for Final Design

PROJECT LOCATION

From I-95 to County Road (CR) 714/SW Martin Highway



1 CR 713/SW High Meadow Ave & SW Swallowtail Way



2 CR 713/SW High Meadow Ave & SW Baneberry Dr

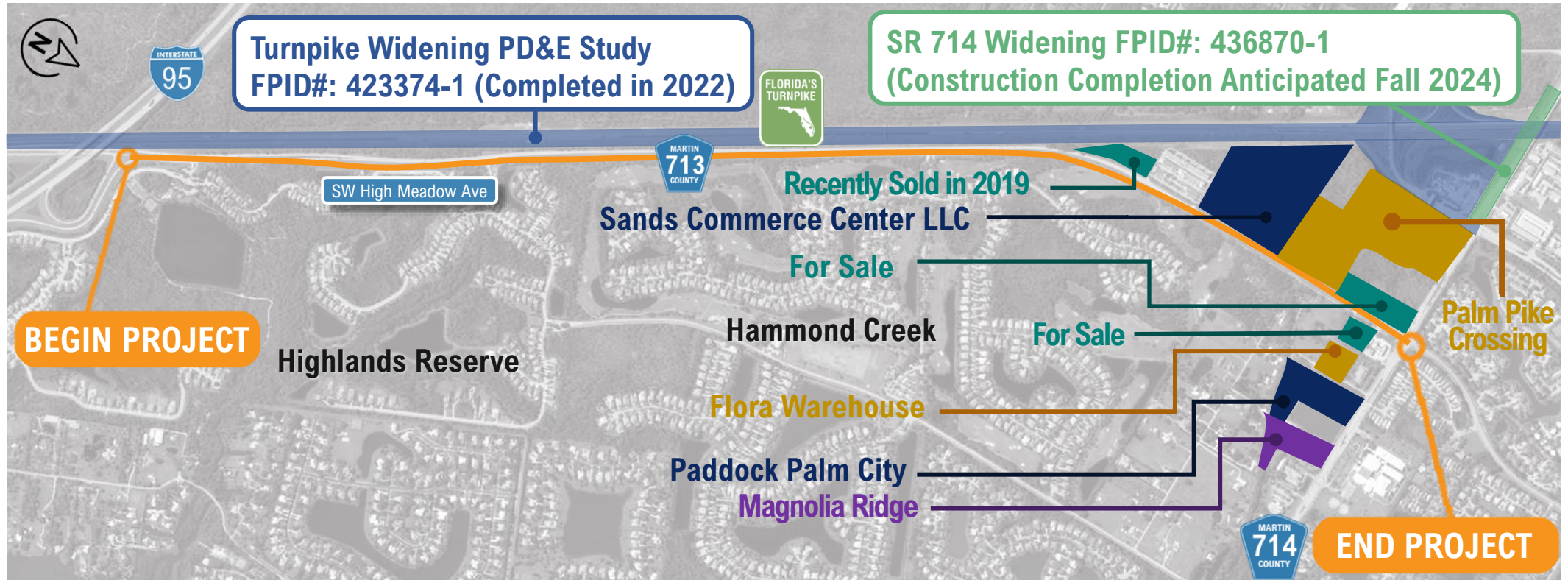


3 CR 713/SW High Meadow Ave & SW Golden Bear Way



5 CR 713/SW High Meadow Ave & CR 714/SW Martin Hwy

ADJACENT PROJECTS / DEVELOPMENT



Legend

- Constructed
- In Construction/Approved
- In Review
- Potential Project Development

PROJECT PURPOSE

- Improve capacity for local and regional travel
- Improve freight movement
- Improve emergency evacuation
- Enhance economic development

PROJECT NEED

- Capacity: the congestion on the corridor will significantly worsen and result in prolonged delay for residents.
- Transportation Demand: The population of Martin County is projected to increase from 158,431 in 2020 to 193,300 in 2045 which will cause an increase in work-related, recreational, and freight trips in the region.
- The proposed project will provide additional capacity to help accommodate planned development in the area and will improve regional access to I-95.



PROJECT OBJECTIVE

- Improve roadway capacity
 - Address existing and projected traffic demands
 - Potential widening from 2 to 4 lanes
- Improve safety throughout the corridor
- Enhance pedestrian and bicyclist accommodations

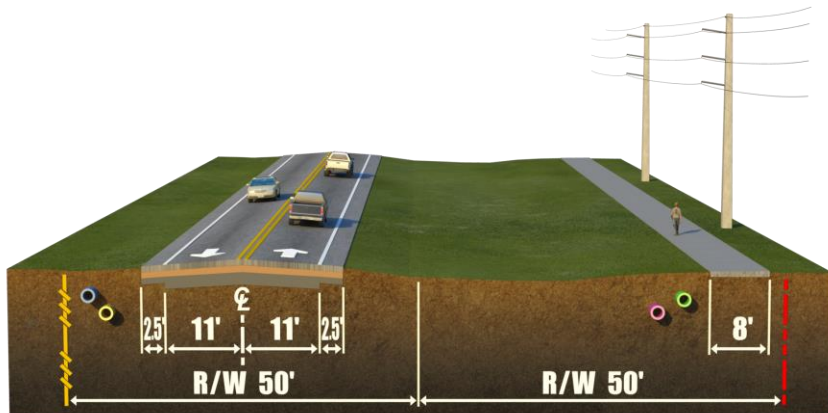


EXISTING CONDITIONS

Existing Roadway

- 2-lane with swale drainage
- 2.7 miles
- Minor Arterial
- 100' R/W
- 6 to 8-ft sidewalk on east
- Posted Speed varies from 45 to 55 mph

Existing Typical Section



EXISTING SAFETY CONDITIONS

Safety Analysis

Total Crashes (2018-2022): 147

- Leading Crash Types
 - Rear End Crashes: 69 (46.9 %)
 - Sideswipe Crashes: 21 (14.3%)
 - Single Vehicle Crashes: 17 (11.6%)
 - Left Turn Crashes: 16 (10.9%)
- Severity
 - Injury: 35; Fatality: 0

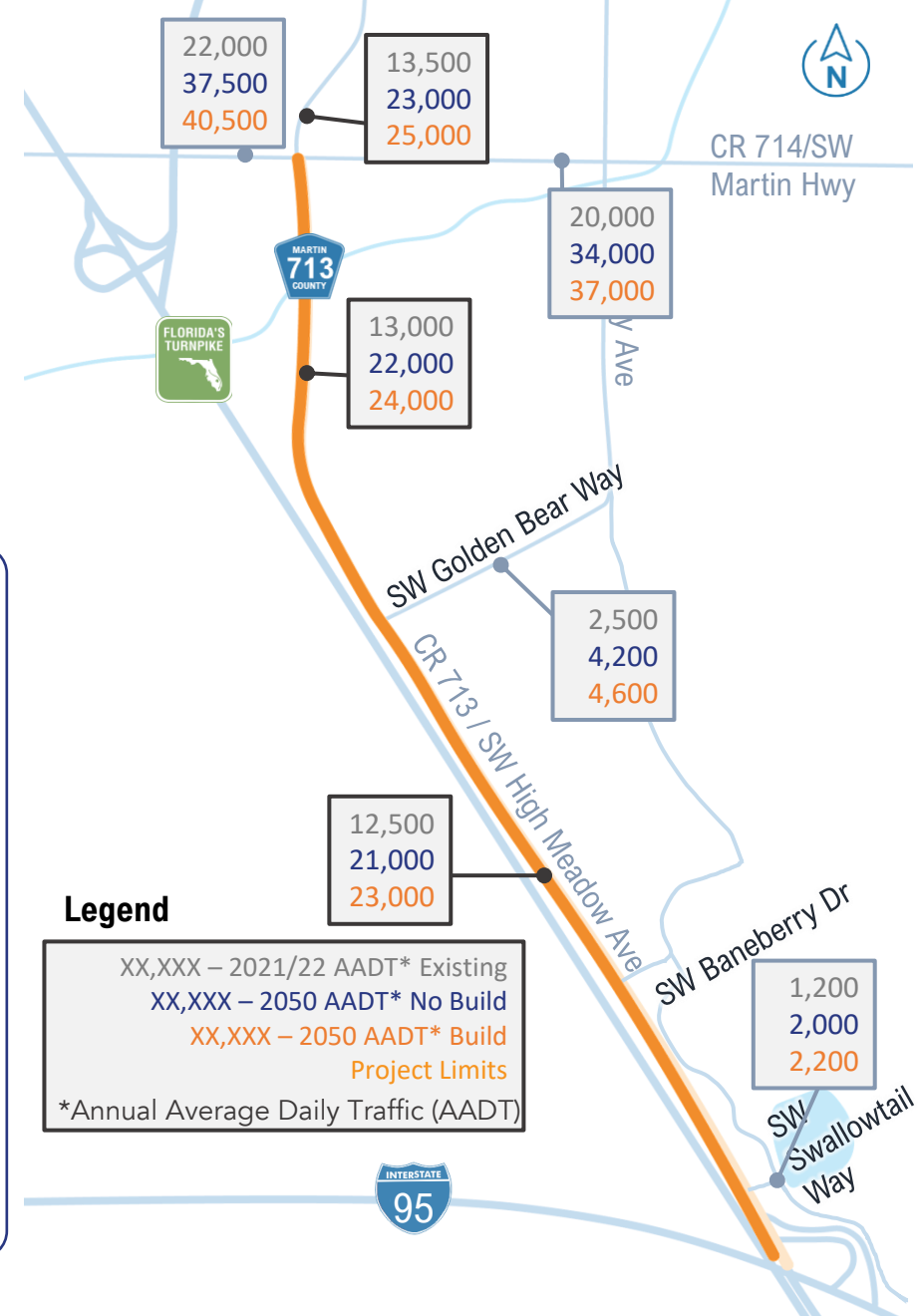


EXISTING TRAFFIC OPERATIONS

- The traffic volume is projected to increase by 69% by 2050
- Existing Level of Service (LOS) along the corridor is D
 - Projected 2050 LOS F
- Average existing truck percentage 6-9%

Level of Service (LOS)	General Operating Conditions
A	Free flow, with low volumes and high speeds.
B	Reasonably free flow, but speeds are beginning to be restricted by traffic conditions.
C	Stable flow, but most drivers are restricted in the freedom to select their own speeds.
D	Approaching unstable flow, drivers have little freedom to select their own speeds.
E	Unstable flow, may be short stoppages.
F	Forced or breakdown flow; unacceptable congestion; stop-and-go.

Source: AASHTO Green Book – 6th Edition



ALTERNATIVES EVALUATION

Shared Use Path



Sidewalk

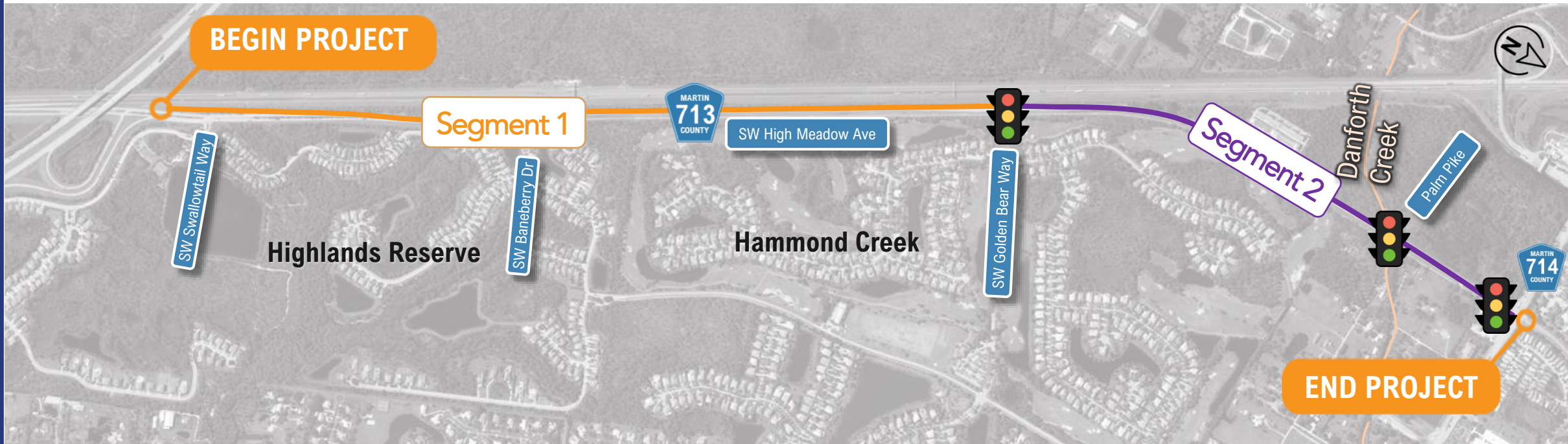


Raised Median



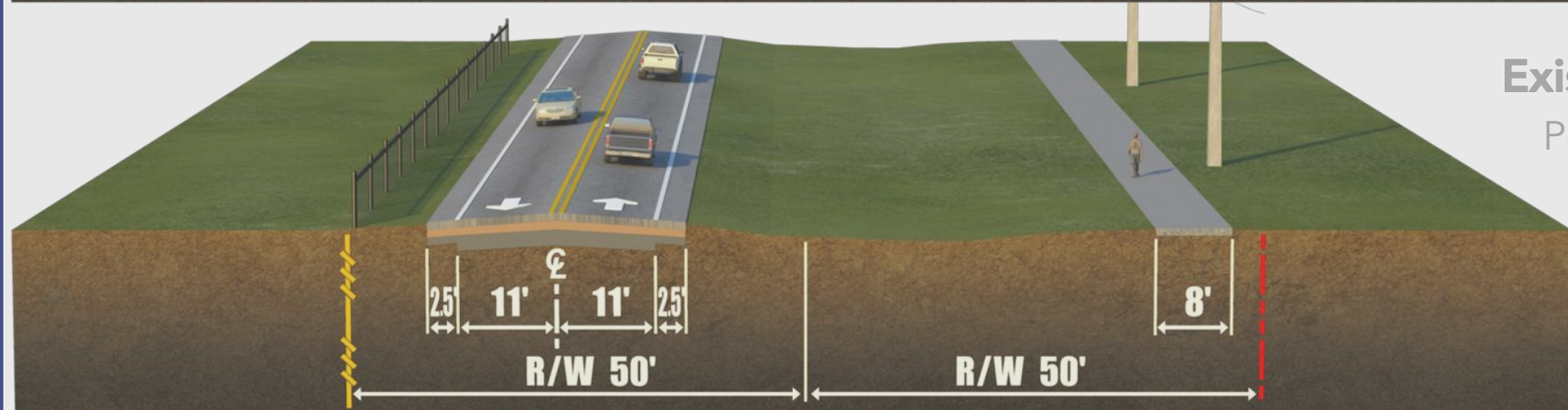
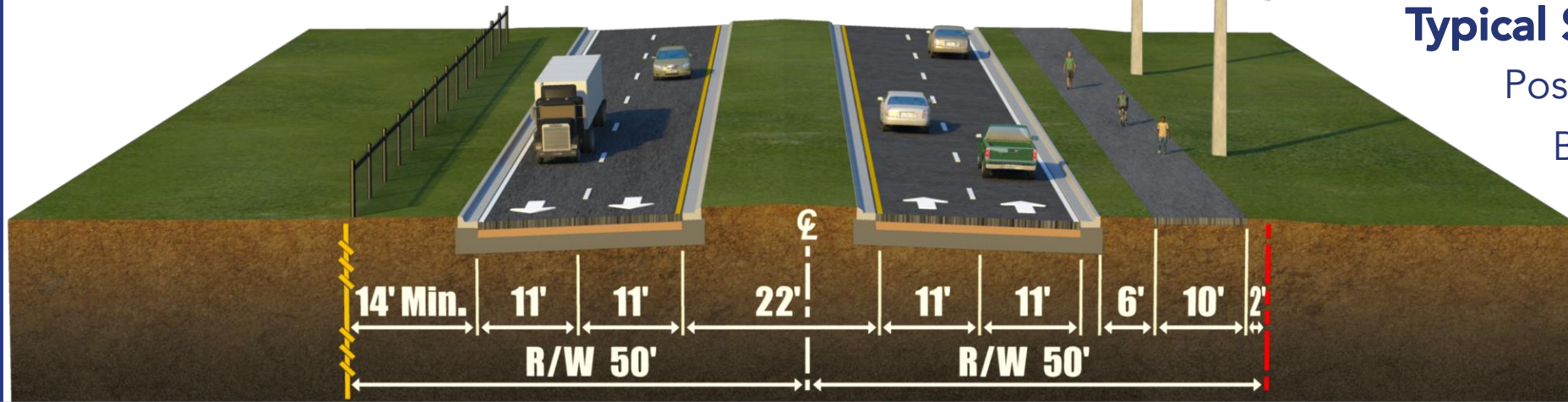
ALTERNATIVES EVALUATION

Project Segmentation



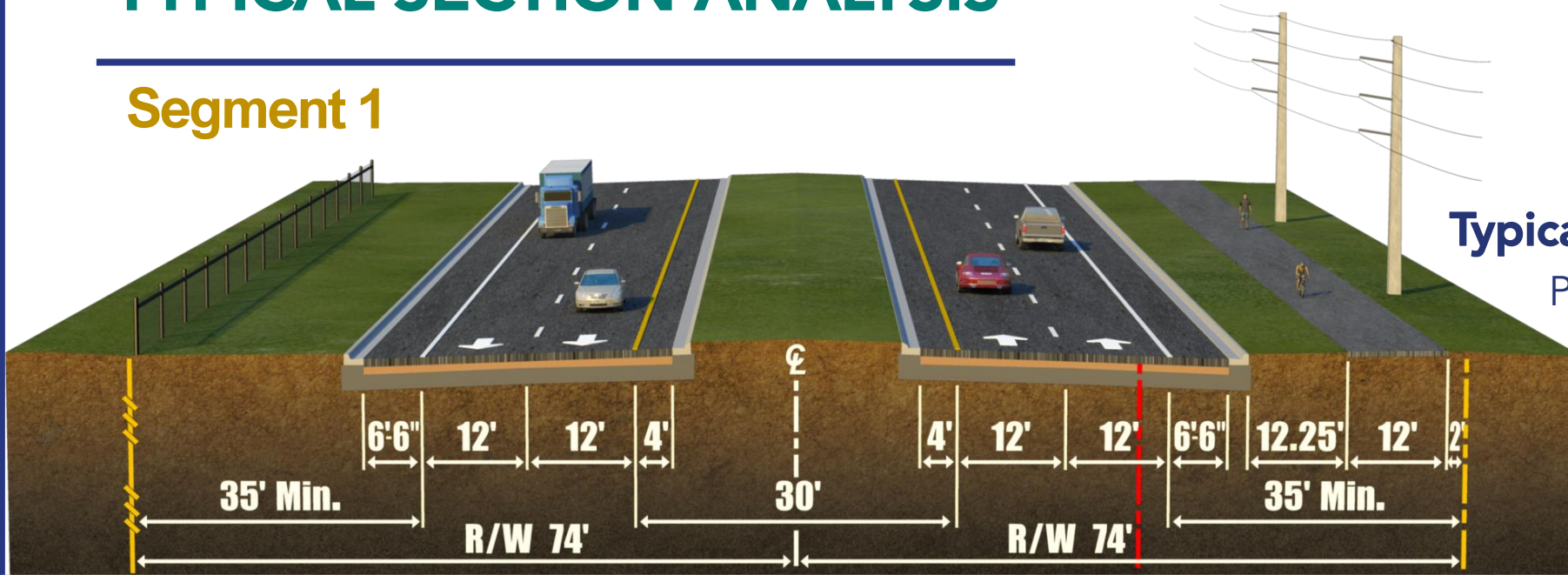
TYPICAL SECTION ANALYSIS

Segment 1



TYPICAL SECTION ANALYSIS

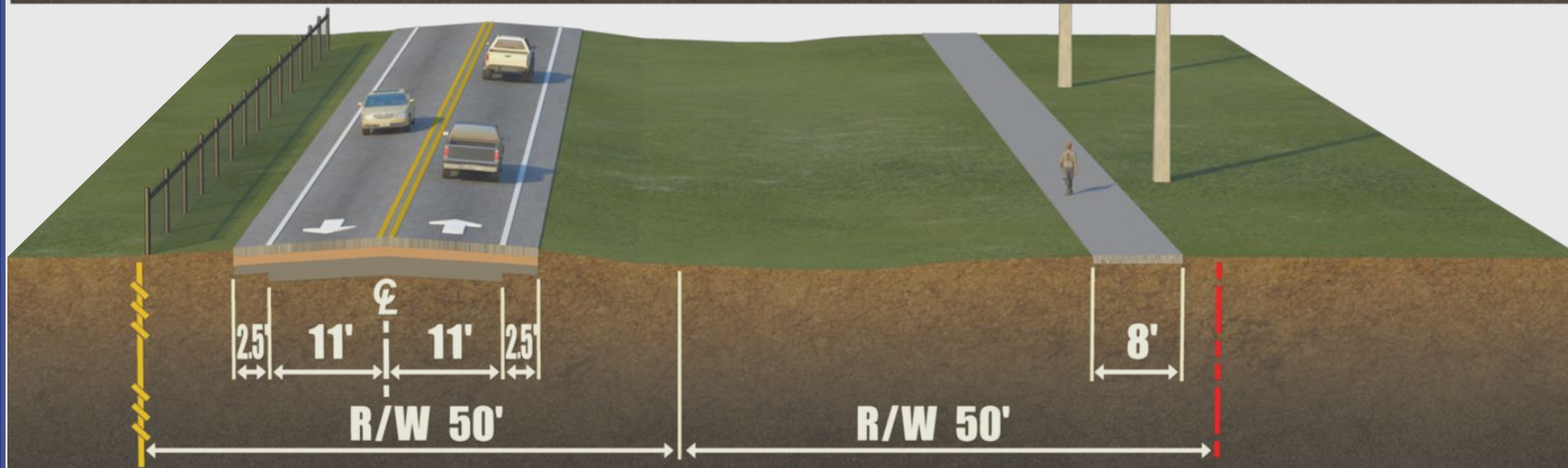
Segment 1



Typical Section Alternative B

Posted Speed 55 MPH

Border Width 35'

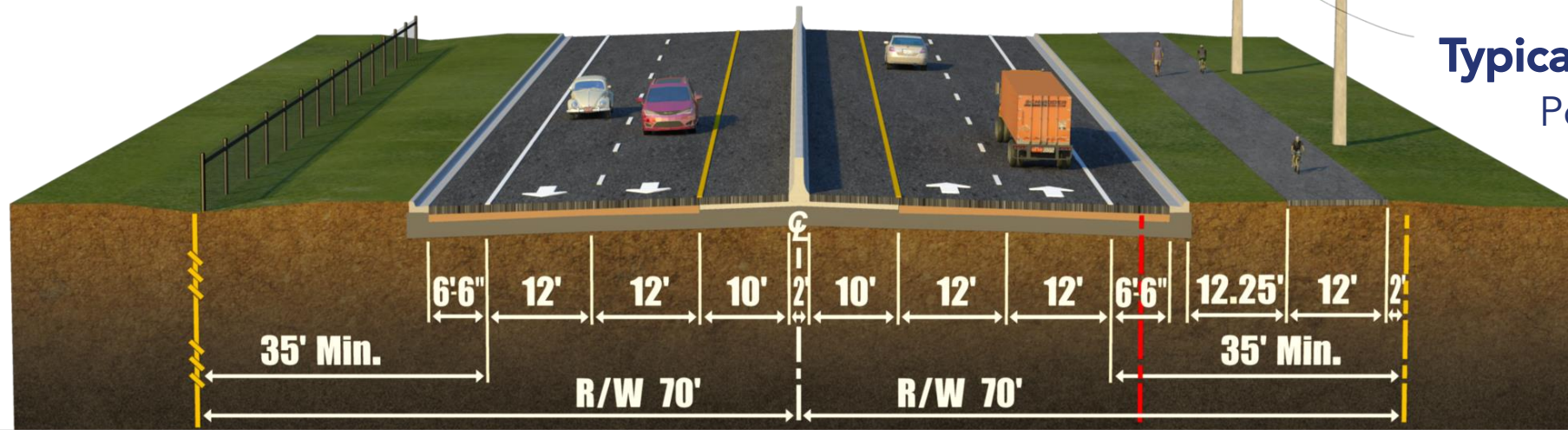


Existing Typical Section

Posted Speed 55 MPH

TYPICAL SECTION ANALYSIS

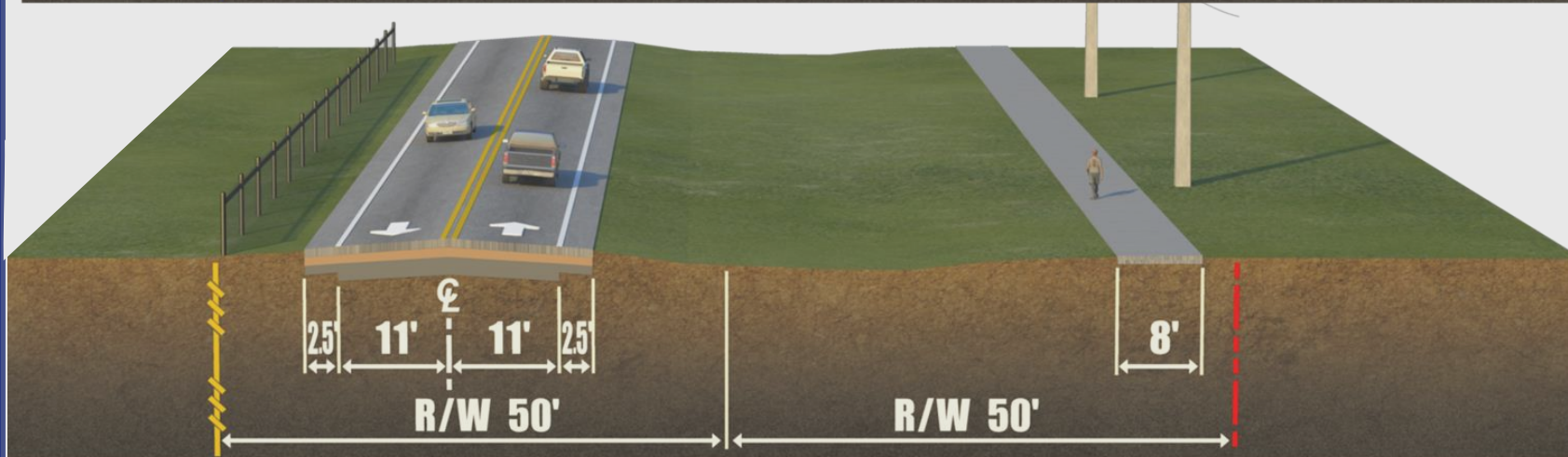
Segment 1



Typical Section Alternative C

Posted Speed 55 MPH

Border Width 35'



Existing Typical Section

Posted Speed 55 MPH

TYPICAL SECTION ANALYSIS – Evaluation Matrix

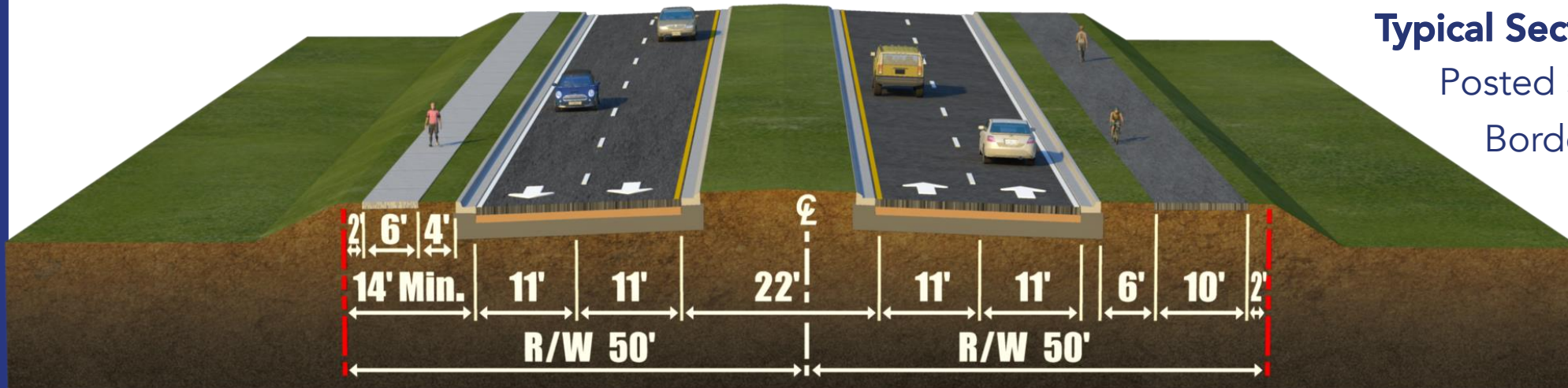
CRITERIA		Typical Section - Alternative A	Typical Section - Alternative B	Typical Section - Alternative C
ENGINEERING	TRAFFIC SERVICE	Divided 4-lane section improves traffic service with operating speed of 45 MPH (Design). 5	Divided 4-lane section improves traffic service with operating speeds of 55 MPH (Design). 5	Divided 4-lane section improves traffic service with operating speeds of 55 MPH (Design),. 5
	SAFETY	Safe for vehicles, bicyclists, and pedestrians. 5	Safe for vehicles, bicyclists, and pedestrians. 5	Safe for vehicles, bicyclists, and pedestrians. 5
	UTILITY IMPACTS	This alternative has less impact on the utilities. 3	This alternative has more impact on the utilities. 2	This alternative has more impact on the utilities. 2
	MULTIMODAL ISSUES	Section provides a 10' shared use path on the right side of the road. 3	Section provides a 12' shared use path on the right side of the road. 4	Section provides a 12' shared use path on the right side of the road. 4
ENVIRONMENTAL	POTENTIAL WETLANDS AND WILDLIFE HABITAT IMPACTS	Smaller footprint, less potential for wetlands and habitat impacts. 4	Larger footprint, more potential for wetland and habitat impacts. 2	Larger footprint, more potential for wetland and habitat impacts. 2
	PROTECTED LAND IMPACT	No impact on protected land. 3	Potential impact on protected lands due to the wider footprint. 2	Potential impact on protected lands due to the wider footprint. 2
SOCIO-ECONOMIC	EMERGENCY	Increased capacity allows better connectivity for emergency vehicles. 5	Similar to previous alternative. 5	Similar to previous alternative. 5
	TRANSPORTATION PLANS COMPATIBILITY	Alternative features are compatible with adopted transportation plan. 4	Alternative features are compatible with adopted transportation plan. 4	Alternative features are compatible with adopted transportation plan. 4
	CONTROVERSY POTENTIAL	This alternative may have potential controversy. 2	This alternative may have potential controversy similar to Alternative A. 2	This alternative may have potential controversy similar to Alternative A. 2
COST	CONSTRUCTION	Moderate cost due to roadway reconstruction. 2	Increased cost due to larger footprint. 1	Increased cost due to larger footprint. 1
	RIGHT-OF-WAY	No need of extra Right-of-Way 4	Large amount of right-of-way required due to largest footprint. 2	Large amount of right-of-way required due to largest footprint. 2
SCORE		40	34	34

Legend:

(1) Substantially Less Desirable (2) Generally Less Desirable (3) Neutral or No Effect (4) Generally More Desirable (5) Substantially More Desirable

TYPICAL SECTION ANALYSIS – Alternative D

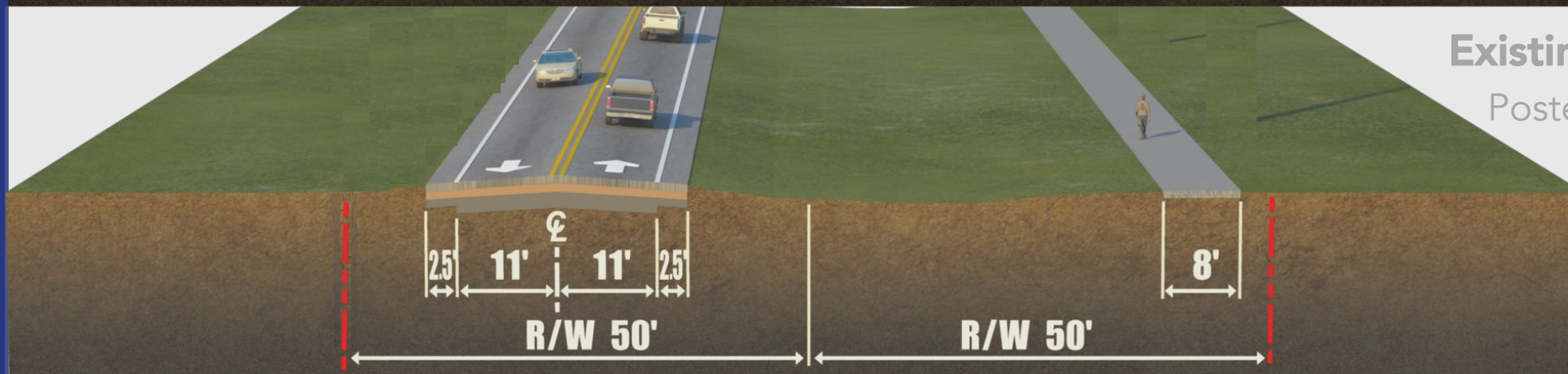
Segment 2



Typical Section Alternative D

Posted Speed 45 MPH

Border Width 14'

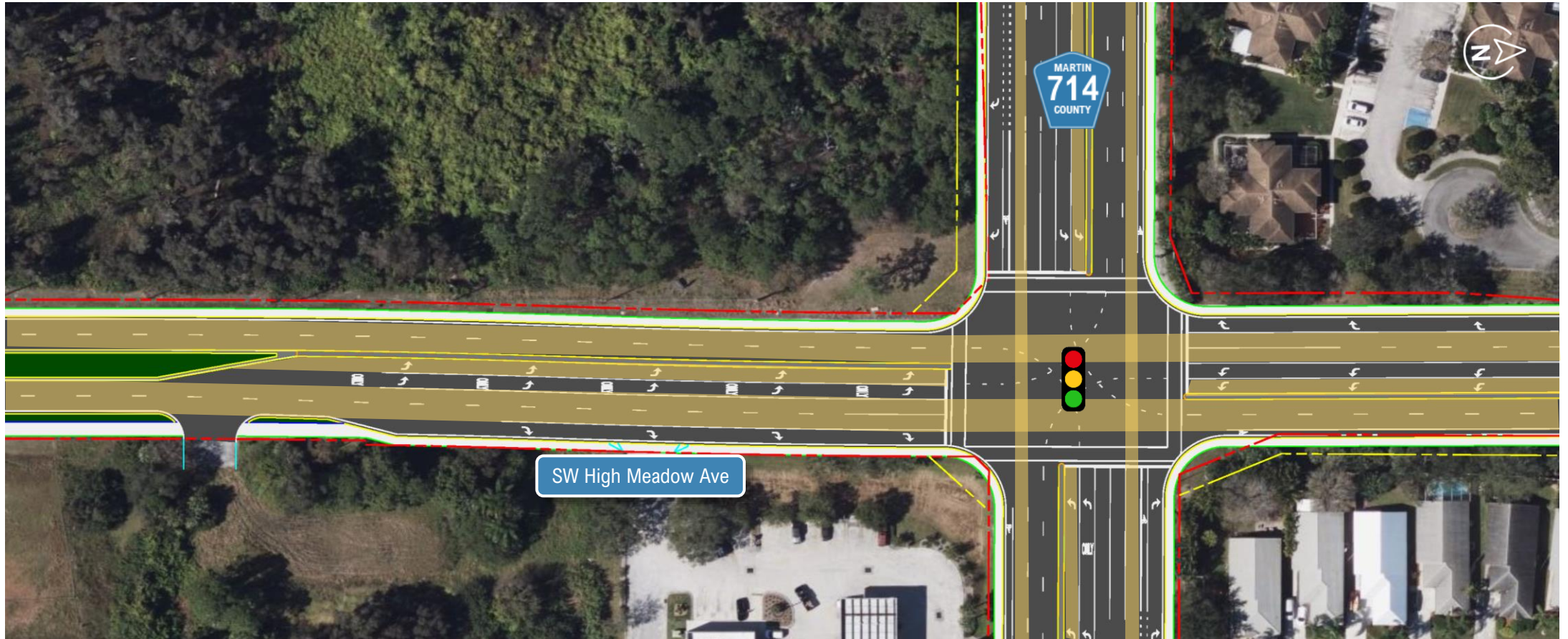


Existing Typical Section

Posted Speed 45 MPH

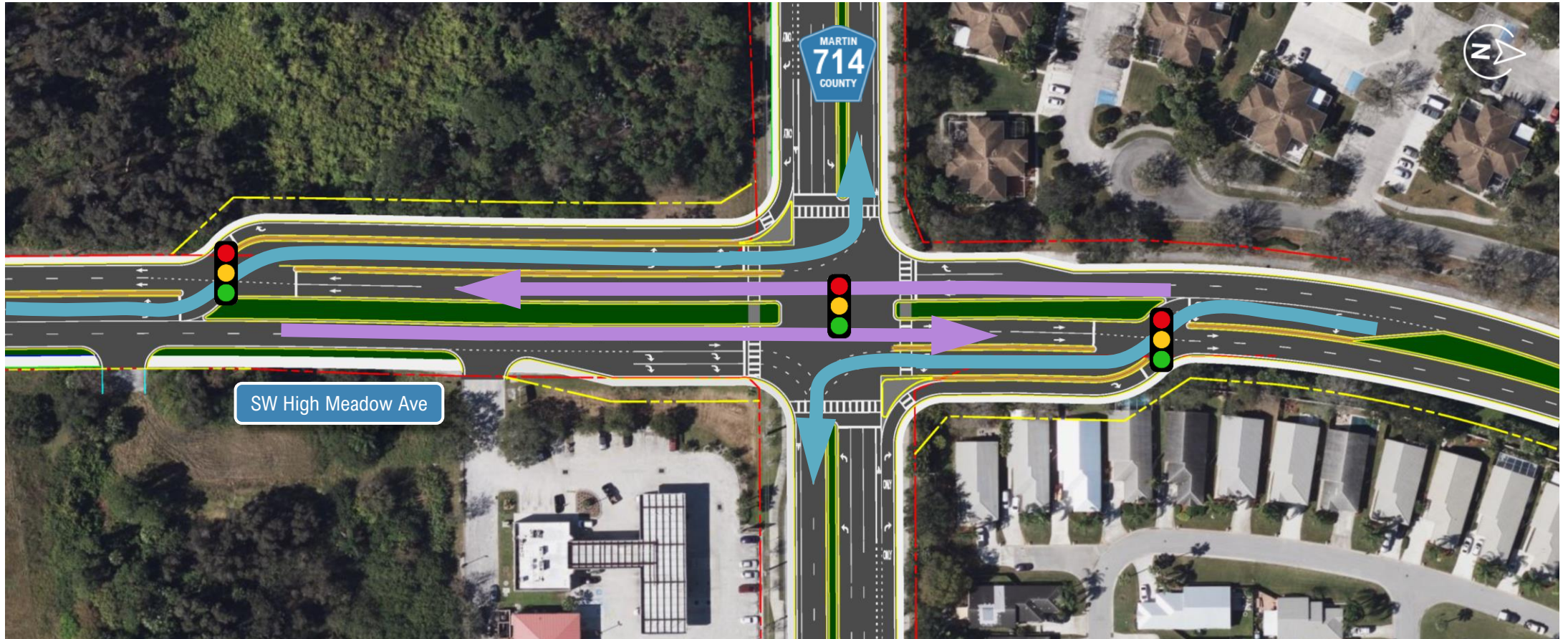
INTERSECTION CONCEPT – CR 714/SW Martin Highway

Intersection Alternative 1 - Traffic Signal Intersection



INTERSECTION CONCEPT – CR 714/SW Martin Highway

Intersection Alternative 2 - Partial North/South Displaced Left Intersection



INTERSECTION CONCEPT – Evaluation Matrix

CRITERIA		Alternative 1 - Traffic Signal	Alternative 2 - Displaced Left Intersection
ENGINEERING	TRAFFIC SERVICE	Operational Improvements to the existing intersection configuration thus improves traffic service 4	Innovative intersection type that improves traffic service and by displacing the left turns this reduces green time for the intersection. 5
	SAFETY	Safe for vehicles, bicyclists, and pedestrians but provides more conflict points than Alternative 2. 3	Less conflict points at the intersection will increase safety. 5
ENVIRONMENTAL	POTENTIAL WETLANDS AND WILDLIFE HABITAT IMPACTS	Smaller footprint, less potential for wetlands and habitat impacts. 4	Larger footprint, more potential for wetland and habitat impacts. 2
	PROTECTED LAND IMPACTS	No impact on protected land. 5	May have potential impacts on protected lands due to the larger intersection footprint. 2
	CONTAMINATION IMPACTS	Smaller footprint, less potential for contamination impacts. 3	Larger footprint, more potential for contamination impacts. 2
SOCIO-ECONOMIC	EMERGENCY	Increased capacity allows better connectivity for emergency vehicles. 5	Similar to previous alternative. 5
	TRANSPORTATION PLANS COMPATIBILITY	Alternative features are compatible with adopted transportation plan. 4	Alternative features are compatible with adopted transportation plan. 4
	CONTROVERSY POTENTIAL	This alternative has minimal potential controversy due to matching the existing intersection type. 4	This alternative may have potential controversy due to the innovative intersection type. 2
COST	CONSTRUCTION	Moderate cost due to roadway reconstruction. 2	Increased cost due to larger intersection. 1
	RIGHT-OF-WAY	Minimal Right-of-Way Impacts 4	Larger amount of right-of-way required due to the intersection configuration. 2
SCORE		38	30

Legend:

(1) Substantially Less Desirable (2) Generally Less Desirable (3) Neutral or No Effect (4) Generally More Desirable (5) Substantially More Desirable

ENVIRONMENTAL ANALYSIS

Social Impacts

- Land Use Changes
- Social Environment/Cohesion
- Aesthetics
- Economic Impacts
- Mobility
- Relocation Potential

Natural Resources

- Wetlands
- Water Quality and Quantity
- Sensitive Areas
- Floodplains
- Protected Species and Habitat

Cultural Resources

- Historic Sites/Districts
- Archeological Sites

Physical Impacts

- Traffic Noise
- Air Quality
- Contamination

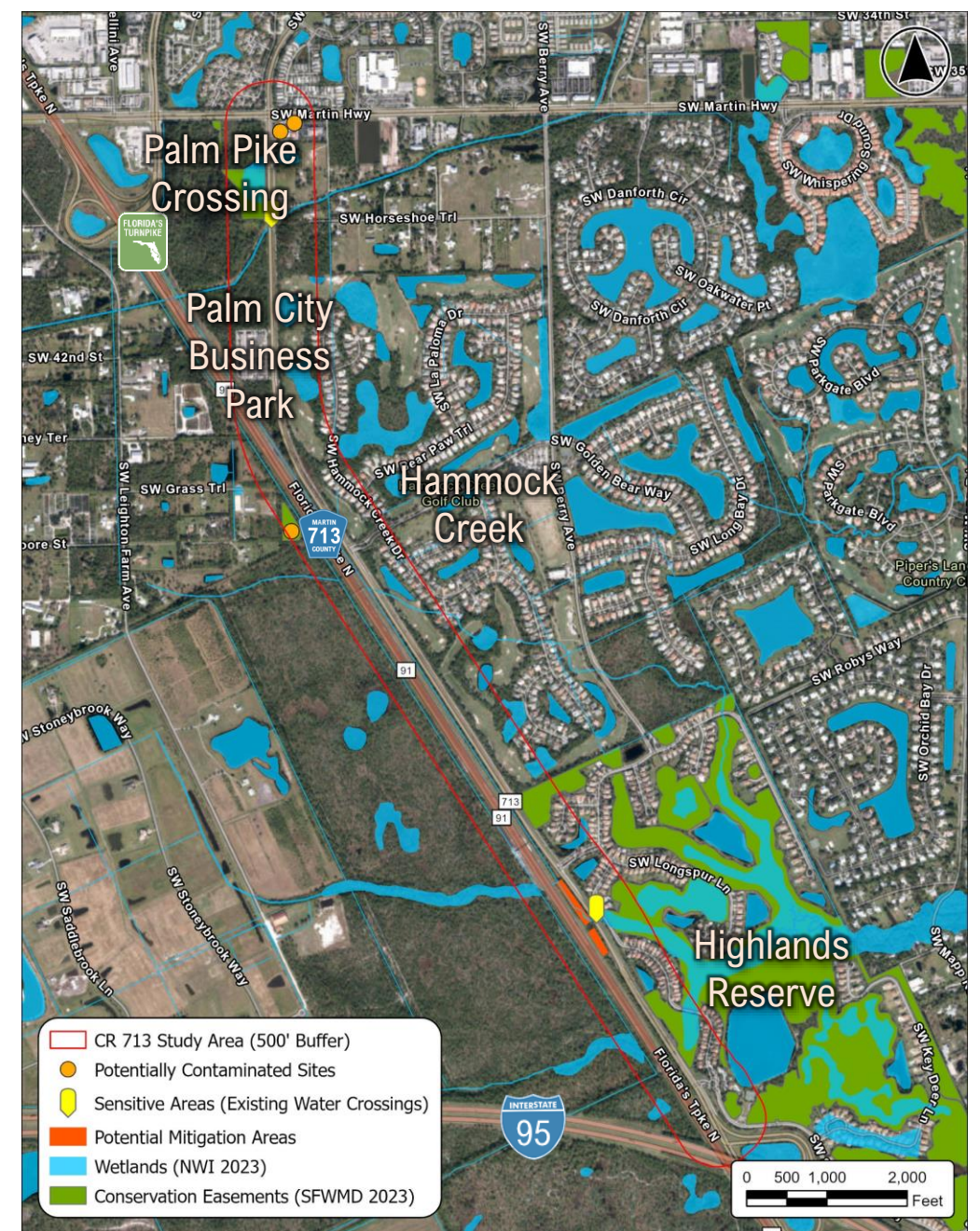


SOCIAL RESOURCES

- Several businesses located adjacent to the project, including two business centers;
 - Palm City Business Park and Palm Pike Crossing
- Residential neighborhoods;
 - Hammock Creek and Highlands Reserve

The Environmental Document (*Type II Categorical Exclusion*) considers effects to;

- Land use, Aesthetics, Local Economy, Mobility, etc.



CR 713/SW High Meadow Ave PD&E Study – from I-95 to CR 714/SW Martin Hwy
Financial Project ID: 441699-1-22-02. | ETDM Number: 14501

NATURAL RESOURCES

- Protected Species and Habitats
 - Two wood stork Core Foraging Areas
 - USFWS Consultation Areas: Audubon's crested caracara, Florida grasshopper sparrow, Manatee, Red cockaded woodpecker, Florida scrub-jay, and Snail Kite.
- Environmentally Sensitive Areas
 - Conservation Easements
 - Potential mitigation areas
 - Wetlands and Other Surface Waters
 - Mapps Creek
 - Danforth Creek
 - Potential Essential Fish Habitat

Natural Resources Evaluation, Water Quality Impact Evaluation Checklist

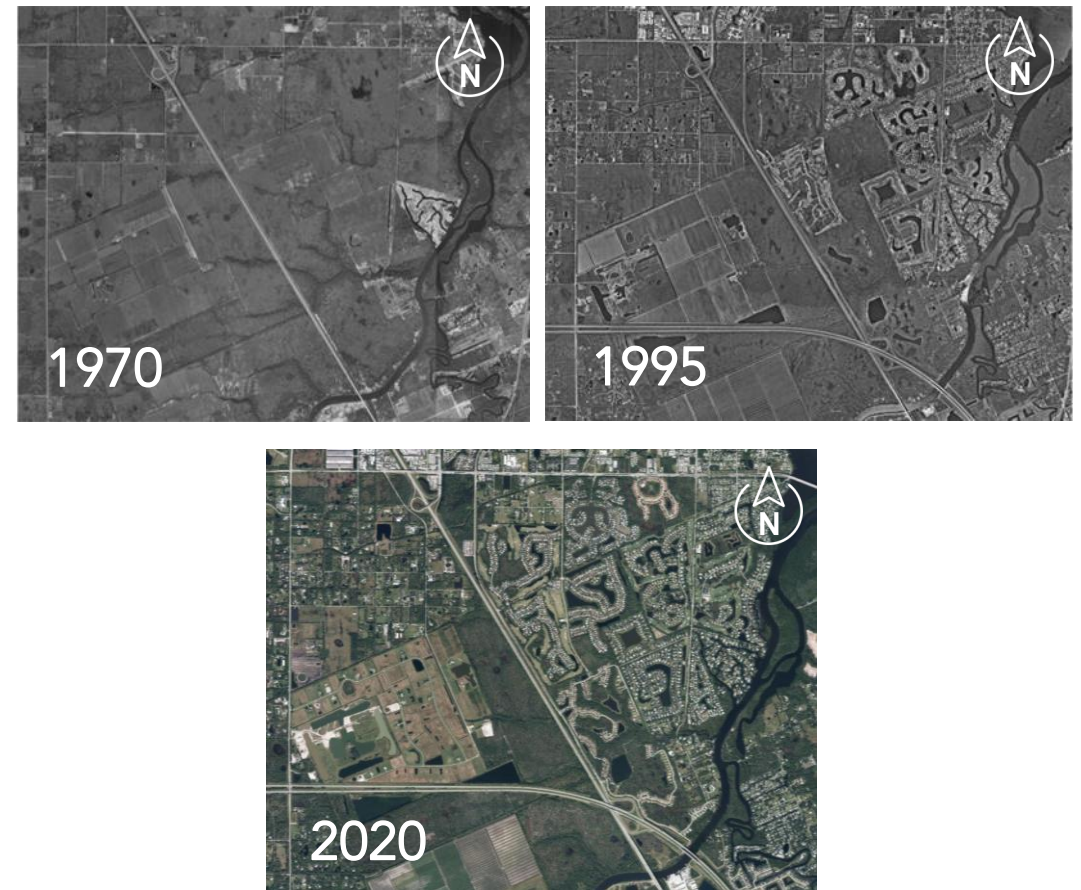


CULTURAL RESOURCES

- No archaeological or NRHP-eligible resources
- Preliminary review indicates:
 - 2 recorded linear resources
 - SR 714/Martin Highway (8MT01597)
 - Florida's Turnpike (8MT01600)
 - 1 unrecorded portion of historic St. Lucie Inlet Farms Canal
 - 1 parcel containing unrecorded historic buildings

Cultural Resource Assessment Survey

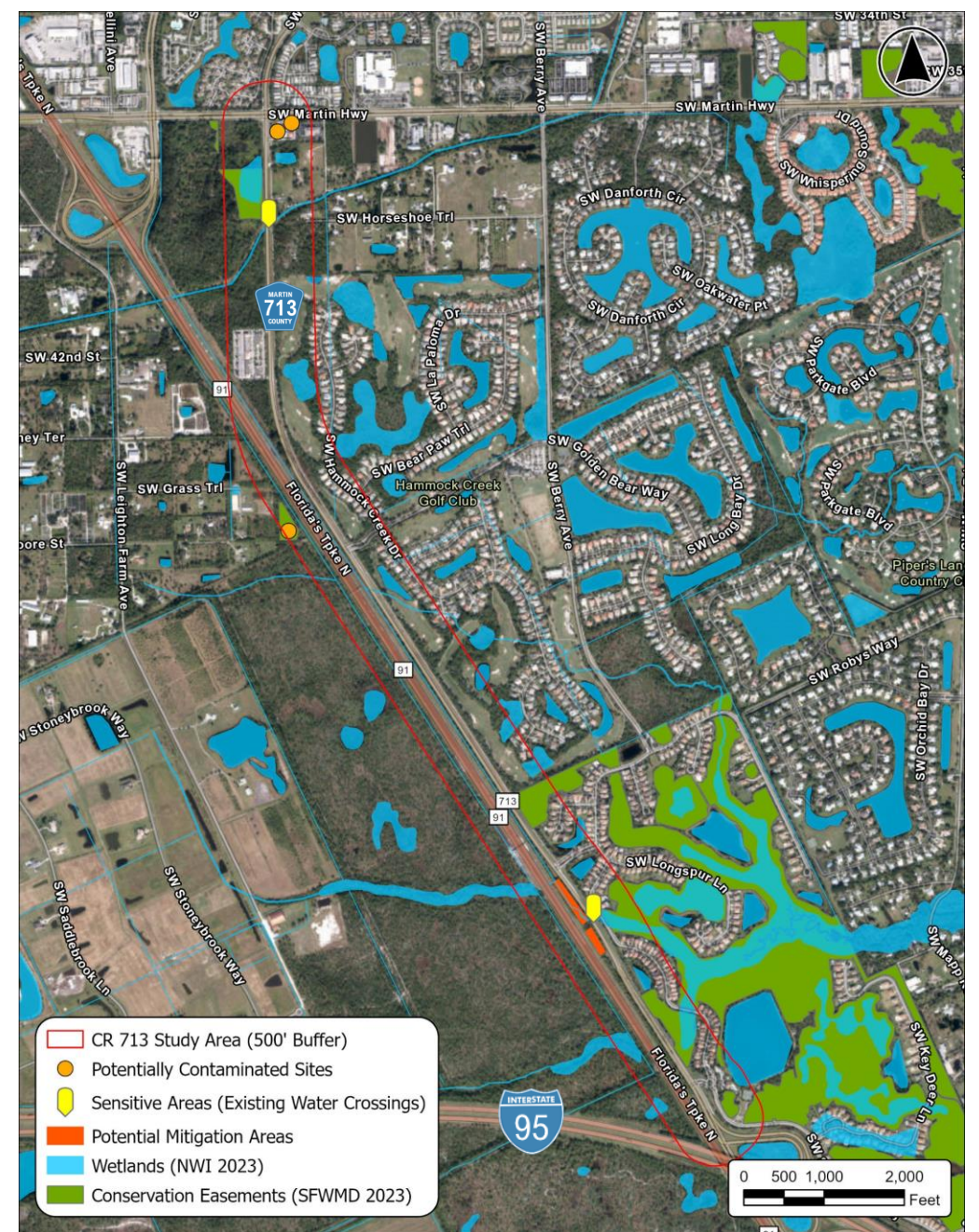
Aerial Photographs



CONTAMINATION

- Three potentially contaminated sites adjacent to the project;
 - Two petroleum-related facilities and one (former) solid waste site.

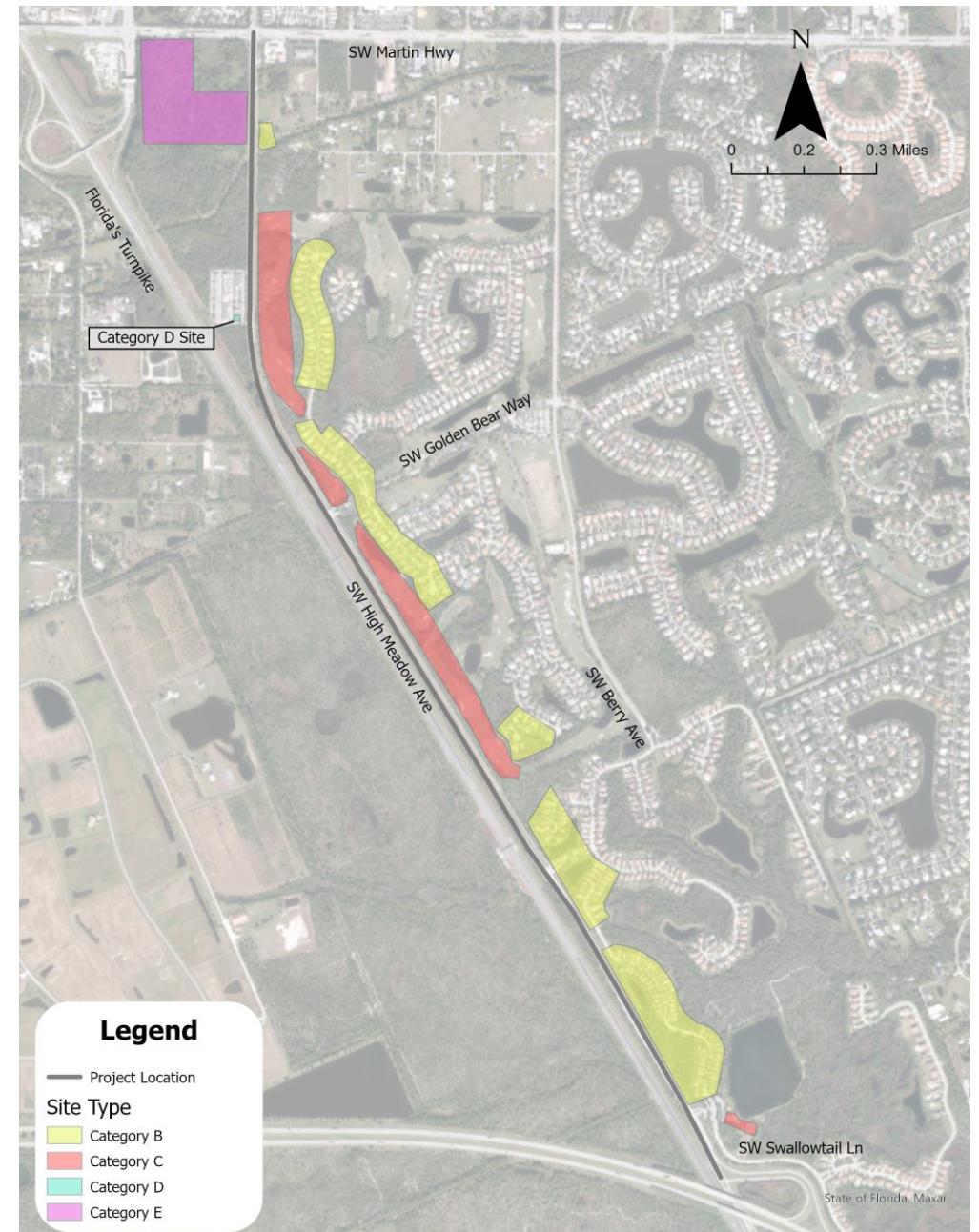
Contamination Screening Evaluation Report



CR 713/SW High Meadow Ave PD&E Study – from I-95 to CR 714/SW Martin Hwy
Financial Project ID: 441699-1-22-02. | ETDM Number: 14501

NOISE ANALYSIS

- Noise Sensitive Areas adjected to the corridor primarily are:
 - Single Family Homes (Category B)
 - Hammock Creek Golf Course (Category C)
 - Hotel/Recreational Development (Category E)
- FDOT Noise Abatement Criteria for Residential is 66 dB(A)
- Evaluate noise impacts from the project and determine if additional noise abatement is warranted



PUBLIC INVOLVEMENT

- Public Meetings
 - Public Kick-off Meeting
 - February 13th, 2024 (Virtual)
 - February 15th, 2024 (In-Person)
 - Alternatives Public Workshop:
 - June 25th, 2024 (Virtual)
 - June 27th, 2024 (In-Person)
 - Public Hearing:
 - Early Spring 2025
- Submit Comments to:
 - Damaris Williams, P.E., C.P.M.
 - Email: Damaris.Williams@dot.state.fl.us
 - Project Website: www.fdot.gov/projects/cr713pde

Public comments and questions are welcomed at any time throughout the study.

Social Media



Facebook: MyFDOTSEFL
Twitter: @MyFDOT_SEFL
Instagram: myfdot_sefl



County Road (CR) 713/SW High Meadow Avenue PD&E Study from I-95 to CR 714/SW Martin Highway

Welcome

The Florida Department of Transportation (FDOT) has initiated a Project Development and Environment (PD&E) Study for County Road (CR) 713/High Meadows Avenue from I-95 to CR 714/Martin Highway in Martin County, Florida. The purpose of the proposed study is to improve capacity for local and regional travel, freight movement, emergency evacuation and to enhance economic development in northeast Martin County.

- **FPID:** 441699-1-22-02
- **Federal Aid Project Number:** TBD
- **ETDM Number:** 14501

Click [here](#) to learn more about the study.

Public involvement is a critical component of the PD&E Study process and we encourage you to become involved and stay connected throughout the entire project. Please visit this website often to get the most up-to-date information on the CR 713 PD&E Study. Project meetings, workshops, and hearings will be advertised on this webpage.

Click [here](#) to be included in the mailing list or to leave a comment.

Project Development Process

WHAT IS A PD&E STUDY?

A PD&E Study is FDOT's procedure for complying with the National Environmental Policy Act (NEPA) of 1969, and associated federal and state laws and regulations. During this phase, FDOT performs preliminary engineering, evaluates the project impacts to the social, cultural, natural, and physical environments, completes interagency coordination, and engages the public. Public involvement is a key aspect throughout the life of a project. The objective of a PD&E Study is to support decision-making on where, and what should be built to address the identified transportation needs.



District Office

Steven C. Braun
District Four Secretary

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[E-Mail Us](#)

Additional Contacts

[Staff Directory](#)

Most Requested

[About the Study](#)

[Contact Us](#)

[Schedule](#)

[Documents and Publications](#)

PROJECT SCHEDULE



- Design funded in Fiscal Year 2026
- Right-of-Way funded in Fiscal Year 2028
- Construction currently not funded

HOW TO MAKE A PUBLIC COMMENT

SUBMITTING COMMENTS AND QUESTIONS TODAY



Ways to submit your comments:

1. Online using the GoToWebinar by typing your comment/question in the Question Box
2. Verbally by using the “Raise Hand” feature on your control panel to be unmuted
3. Online at project website
4. By phone or email to Project Manager
5. By U.S. mail to Project Manager

Project Website:

www.fdot.gov/projects/cr713pde

Project Manager Contact Information:

Damaris Williams, P.E., C.P.M.
FDOT District Four
3400 West Commercial Boulevard
Fort Lauderdale, FL 33309

Email: Damaris.Williams@dot.state.fl.us
Telephone: 954-777-4679
Toll-Free: 866-336-8435, Ext. 4679

ABOUT YOUR COMMENTS AND QUESTIONS



All comments and questions are part of the **Public Record.**



Please submit your comments and questions.



All registrants will receive a link to the **meeting recording.**

QUESTIONS / ANSWERS

THANK YOU FOR PARTICIPATING !

Project Website:

www.fdot.gov/projects/cr713pde

Project Manager Contact Information:

Damaris Williams, P.E., C.P.M.
FDOT District 4
3400 West Commercial Boulevard
Fort Lauderdale, FL 33309

Email: Damaris.Williams@dot.state.fl.us
Telephone: 954-777-4679
Toll-Free: 866-336-8435, Ext. 4679

Submit Comments
and Questions



*Thank you
for attending the
Alternatives Public
Workshop Meeting
for the
CR 713/SW High Meadow
Avenue PD&E Study*





**DRIVE SOBER OR
GET PULLED OVER**

We are experiencing technical difficulties

Our team is actively working to fix the issue and hope to have this resolved soon.

Thank you for your patience.



We are experiencing technical difficulties

This meeting will be postponed.
Information will be posted on the project website:

www.fdot.gov/projects/cr713pde

Thank you for your patience.

