

Malabar Road

Project Development and Environment (PD&E) Study

From St. Johns Heritage Parkway to Minton Road
Brevard County, Florida

Financial Project Identification (FPID) No.: 437210-1

VIRTUAL PUBLIC MEETING (VPM)

Thursday, September 24, 2020 - 5:30 p.m.

VPM Link available at: www.palmbayflorida.org/MalabarPDE

INTRODUCTION

The City of Palm Bay welcomes you to the Virtual Public Meeting (VPM) for the Malabar Road Project Development and Environment (PD&E) Study. The limits of the study are from the St. Johns Heritage Parkway (SJHP) in Brevard County to Minton Road in the City of Palm Bay, a distance of approximately four miles. The project location map, shown below, depicts the limits of the study. The City of Palm Bay is administering this PD&E Study through the Florida Department of Transportation (FDOT) Local Agency Program (LAP) and is conducting this study in cooperation with FDOT District 5.

WHAT IS A PD&E STUDY?

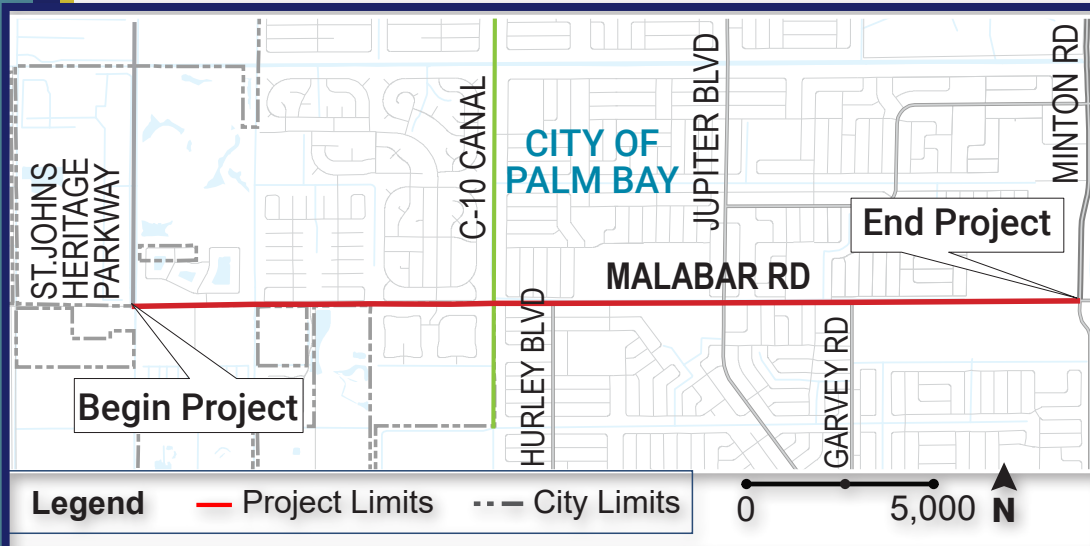
A Project Development and Environment (PD&E) Study is a process developed by the Florida Department of Transportation (FDOT) to determine social, economic, natural, and physical environmental effects associated with a proposed transportation improvement project. The PD&E Study adheres to the National Environmental Policy Act of 1969 and associated federal and state regulations. The PD&E Study process involves a combination of engineering evaluations, environmental analysis, and public involvement.

An important component of the process is public and agency coordination. The basic activities of a PD&E Study include data collection, alternatives development and analysis, a Public Information Meeting, a Public Hearing, and final acceptance.

STUDY PURPOSE

The purpose of this study is to evaluate alternatives addressing the long-term transportation needs of Malabar Road. The alternatives being

considered involve widening Malabar Road from two to four lanes, the addition of bicycle and pedestrian features, and intersection and safety improvements. The No-Build or "do nothing" alternative is also being considered. Additional information regarding the alternatives under consideration is included on the next page.



Project Location Map

ALTERNATIVES

The PD&E Study is evaluating the two to four lane widening of Malabar Road from the St. Johns Heritage Parkway (SJHP) to Minton Road. The widening includes the addition of a median, a 10 foot wide shared use path on the roadway's north side and a six foot wide sidewalk on the roadway's south side. The project is also evaluating intersection improvements at the following intersections along Malabar Road: SJHP, Bending Branch Lane/Krassner Drive, Hurley Boulevard SW, Jupiter Boulevard, Garvey Road.

The options, known as alternatives, being presented at tonight's VPM are being evaluated based on a series of evaluation measures. These include traffic and operational benefits, right of way impacts, costs and other factors such as impacts and enhancements to the social, natural, cultural and physical environments. The alternatives will be further evaluated based on the input received and ultimately one option, known as a preferred alternative, will be selected and refined. The No-Build or "do nothing" alternative remains a viable alternative throughout the PD&E Study process. Typical section alternatives are included on page three and four; and the evaluation matrix is included on page five of the handout.

Alternative A – This is a minimum ROW section using Florida Greenbook or local roadway design criteria. The median is 15'-6" and the sidewalk on the roadway's south side is adjacent to the back of curb.

Alternative B – This design uses FDOT or state highway design criteria. The median is 22'-0" and there is a 4'-0" buffer between the back of curb and the sidewalk on the roadway's south side.

No-Build Alternative – No additional improvements will be made to Malabar Road.

PUBLIC OUTREACH

Public involvement is a very important part of the Malabar Road PD&E Study. Public and stakeholder outreach during the project's development will continue to be used to identify community values and concerns. Please let us know what you think.

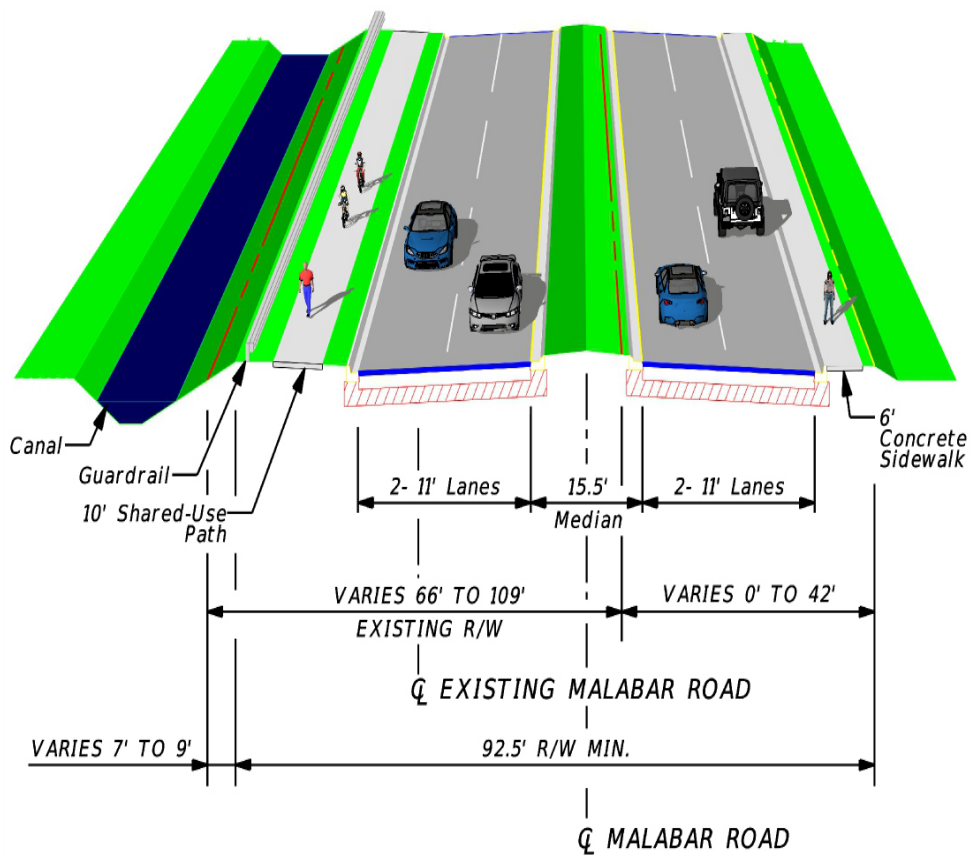
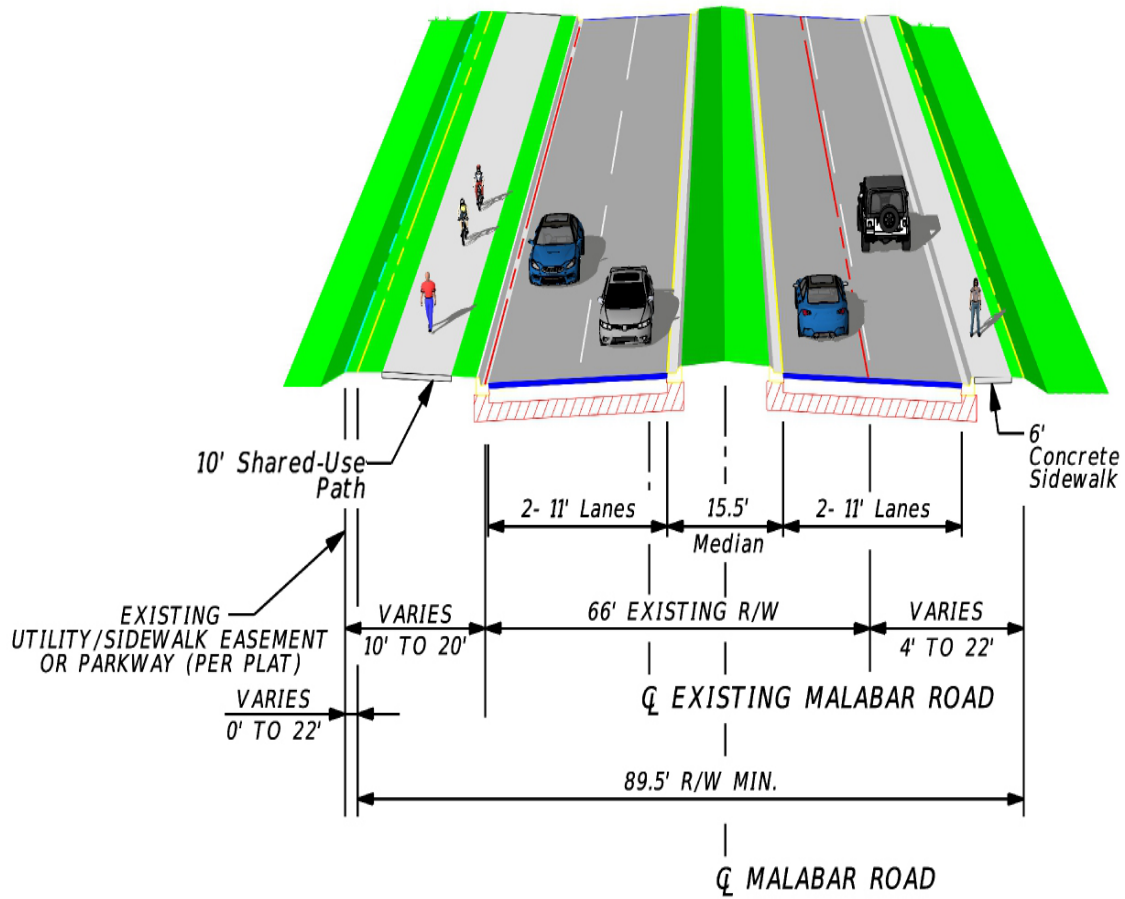
The public meeting comment period will remain open until until Monday, October 5, 2020. All comments and questions submitted are part of the public record and will be considered by the City during the decision-making process.

Comment forms are available on the project website at www.palmbayflorida.org/MalabarPDE and printed public comment forms are available at Palm Bay City Hall. Comments forms can be submitted in one the following ways:

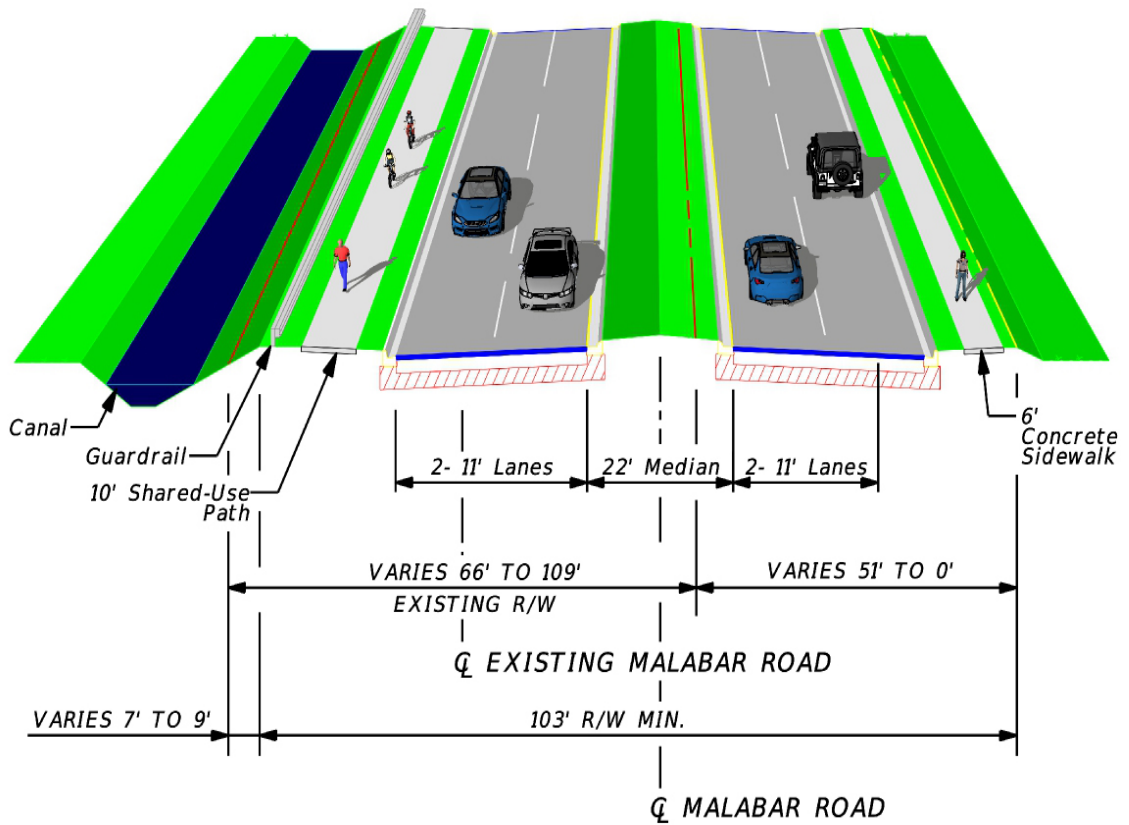
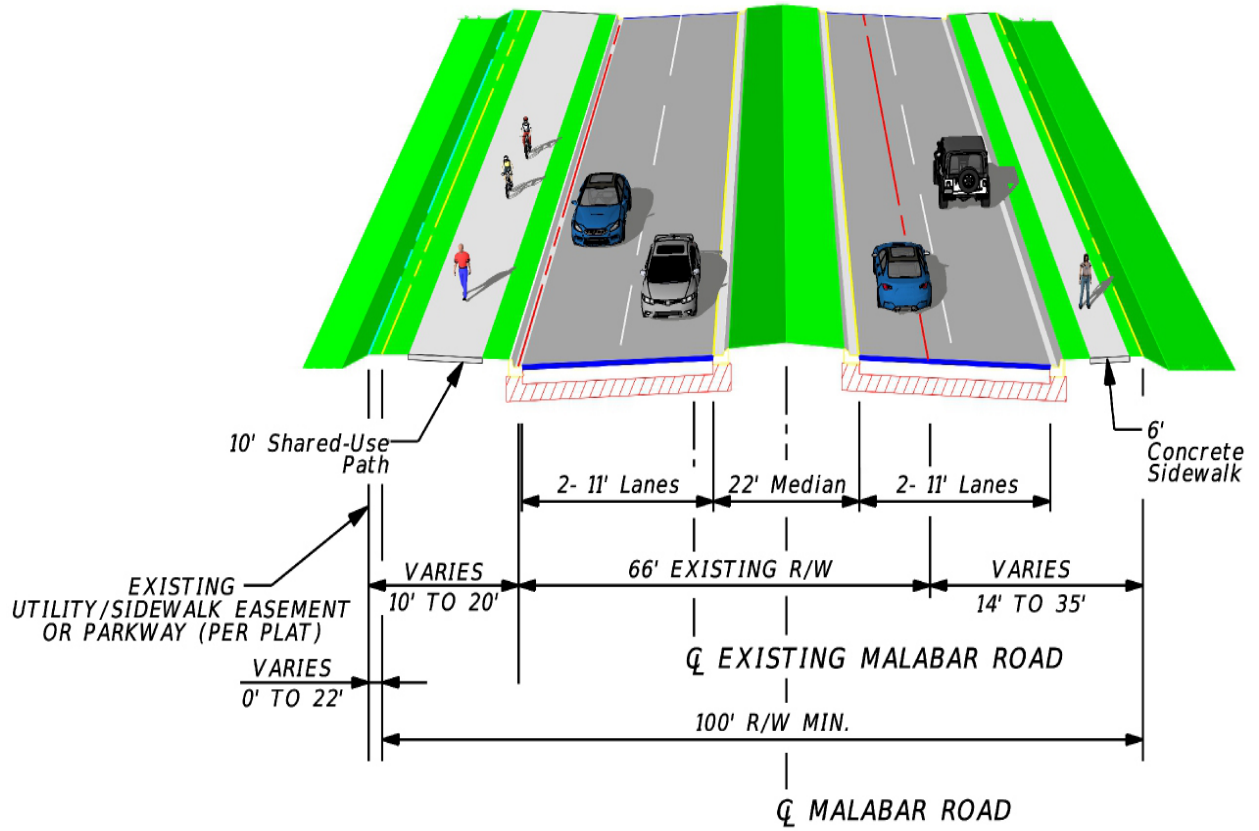
- **Via mail to the City's Consultant Project Manager Jack Freeman at Kittelson & Associates, Inc., 225 E Robinson Street, Suite 355, Orlando, Florida 32801**
- **Via email to City's Consultant Project Manager Jack Freeman at jfreeman@kittelson.com**
- **Deposited into the comment box at Palm Bay City Hall's Community Meeting Room A at 120 Malabar Road SE, Palm Bay, FL 32909**

Regardless of the manner in which your comments are received, the City of Palm Bay will give equal consideration to all comments.

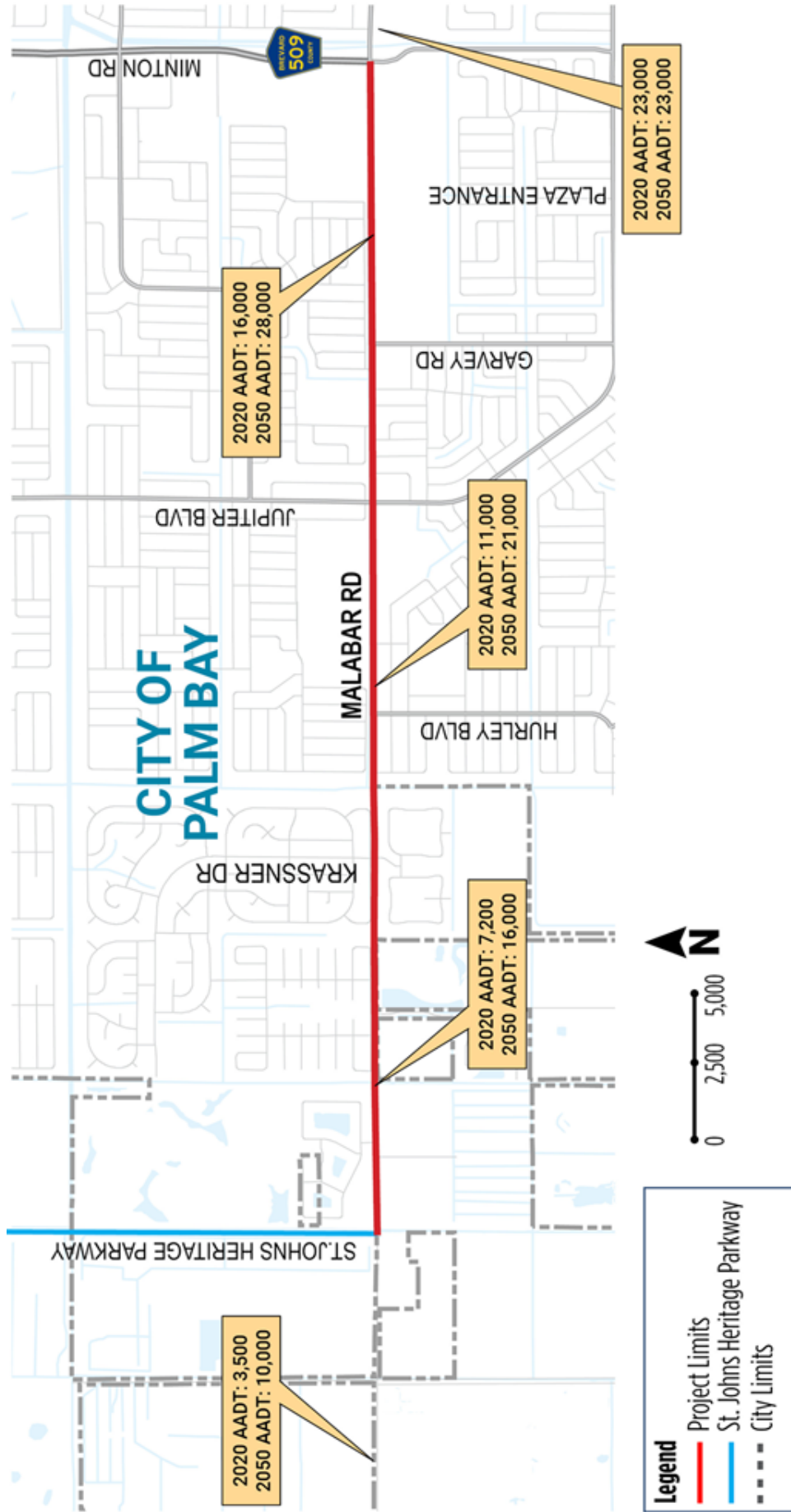
ALTERNATIVE A - MINIMUM RIGHT-OF-WAY



ALTERNATIVE B - DESIRABLE RIGHT-OF-WAY



EXISTING AND FUTURE TRAFFIC VOLUMES



COMPARATIVE EVALUATION MATRIX - ENGINEERING

Engineering Evaluation Criteria		No-Build Alternative	Alternative A 89.5'/92.5' Minimum Right-of-Way		Alternative B 100'/103' Desirable Right-of-Way	
			With Traffic Signals	With Roundabouts	With Traffic Signals	With Roundabouts
PROJECT COSTS	Design Costs	\$0	\$7,900,000	\$8,800,000	\$8,000,000	\$9,100,000
	Wetland Mitigation Costs	\$0	\$60,000	\$60,000	\$60,000	\$60,000
	ROW Acquisition Costs (Without Ponds)	\$0	\$1,496,600	\$1,625,400	\$1,677,300	\$1,815,800
	Construction Costs	\$0	\$64,600,000	\$72,400,000	\$65,700,000	\$74,800,000
	Construction Engineering & Inspection Costs	\$0	\$9,700,000	\$10,900,000	\$9,900,000	\$11,200,000
	PRELIMINARY ESTIMATE OF TOTAL PROJECT COST	\$0	\$83,756,600	\$93,785,400	\$85,337,300	\$96,975,800
TRAFFIC, SAFETY, AND UTILITIES	Intersection Operations ¹	1 @ LOS ² D 4 @ LOS F	1 @ LOS A 1 @ LOS B 2 @ LOS D 1 @ LOS E	2 @ LOS A 2 @ LOS C 1 @ LOS D	1 @ LOS A 1 @ LOS B 2 @ LOS D 1 @ LOS E	2 @ LOS A 2 @ LOS C 1 @ LOS D
	Intersection Safety ¹	N/A	10% More Total Crashes and 45% More Fatal & Injury Crashes than Roundabout	10% Less Total Crashes and 45% Less Fatal & Injury Crashes than Signal	10% More Total Crashes and 45% More Fatal & Injury Crashes than Roundabout	10% Less Total Crashes and 45% Less Fatal & Injury Crashes than Signal
	Roadway Segment Safety	35% to 40% Higher Crashes vs Build	35% to 40% Lower Crashes vs No-Build		35% to 40% Crash Reduction vs No-Build	
	Potential Utility Impacts	None	Moderate	High	Moderate	High

¹ Intersections included St. Johns Heritage Parkway, Krassner Dr., Hurley Blvd., Jupiter Blvd., and Garvey Rd.

² LOS = Level of Service

COMPARATIVE EVALUATION MATRIX - ENVIRONMENTAL

Environmental Evaluation Criteria							
SOCIAL ENVIRONMENT	Social Resources Degree of Impact from ETDM*	None	Enhanced to Moderate			Enhanced to Moderate	
	ROW Take Area (acres)(Without Ponds)	None	11.43	11.64		14.52	15.18
	Parcels Impacted (#)(Without Ponds)	None	94	99		94	100
	Residential Relocations (#)	None	1	1		1	1
NATURAL ENVIRONMENT	Natural Resources Degree of Impact from ETDM*	None	Moderate			Moderate	
	Wetland Impacts (acres)	None	0.5	0.5		0.5	0.5
	Surface Water Impacts (acres)	None	2.32	2.32		2.35	2.35
	Floodplain Impacts (acres)	None	1.26	1.26		1.41	1.41
	Potential Threatened & Endangered Species Impacts	None	Moderate			Moderate	
CULTURAL ENVIRONMENT	Cultural Resources Degree of Impact from ETDM*	None	Minimal			Minimal	
	Historic Resources Potentially Impacted (#)	None	2	2		2	2
	Cultural Resources Potentially Impacted (#)	None	No registered resources; one zone of High Cultural Sensitivity	No registered resources; one zone of High Cultural Sensitivity		No registered resources; one zone of High Cultural Sensitivity	No registered resources; one zone of High Cultural Sensitivity
PHYSICAL ENVIRONMENT	Physical Resources Degree of Impact from ETDM*	None	Minimal to Moderate			Minimal to Moderate	
	Medium Risk Contamination Sites Impacted (#)	None	11	11		11	11
	Noise Impacts	None	Residential impacts likely	Slight noise increase to adjacent properties		Potential for slightly more residential impacts	Same residential impacts Slight noise increase to adjacent properties

* ETDM - Efficient Transportation Decision Making

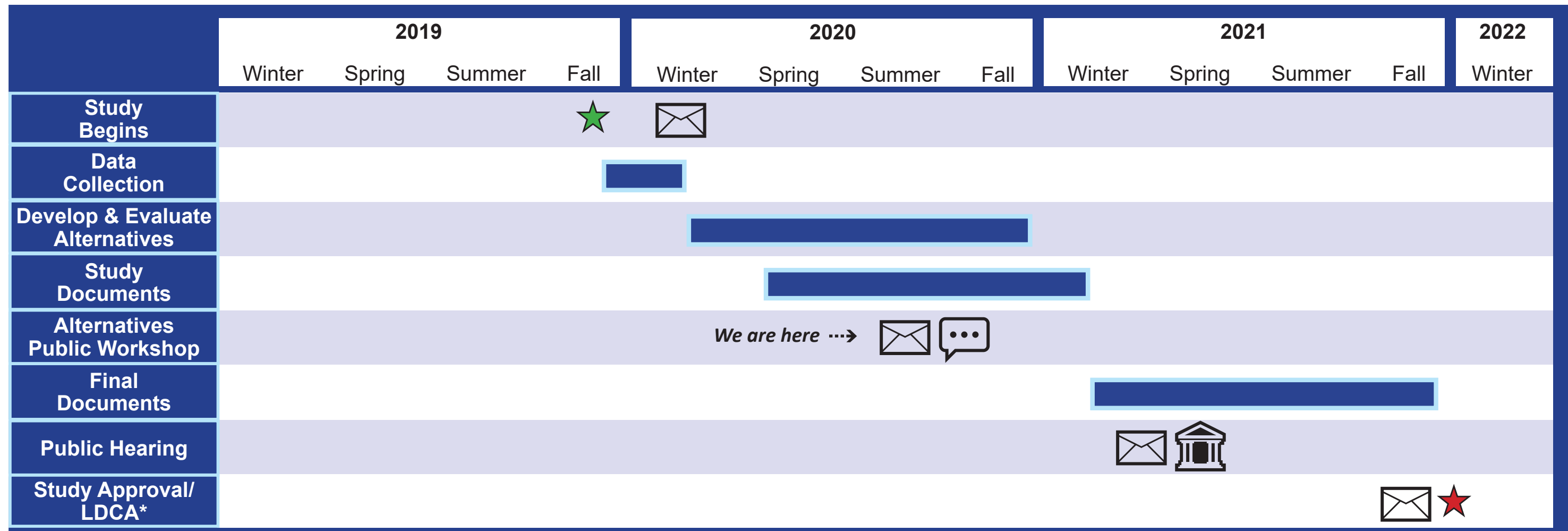


Project Schedule Malabar Road

Project Development and Environment (PD&E) Study

Brevard County, Florida

Financial Project Identification (FPID) Number: 437210-1



*Location Design Concept Acceptance

- ★ = Study Begins
- ✉ = Newsletter
- 💬 = Public Workshop
- 🏛️ = Public Hearing
- ★ = Study Approval/LDCA*

STAY CONNECTED

- Visit the project's website at www.palmbayflorida.org/MalabarPDE for continued updates
- Join the project mailing list or submit a comment through the project website
- Review project materials and the presentation on the project website. Project displays are available to see in person at City Hall's Community Meeting Room A through **October 5, 2020**.
- Contact the Project Manager, Jack Freeman, with any questions or comments
- Look for details regarding the public hearing tentatively scheduled for Spring of 2021

PROJECT CONTACTS**JACK FREEMAN**

Consultant Project Manager
Kittelson & Associates, Inc.
225 East Robinson Street, Suite 355
Orlando, FL 32801
E-mail: jfreeman@kittelson.com
Telephone: 407-373-1103

FRANK WATANABE

Project Manager
City of Palm Bay
120 Malabar Road, S.E.
Palm Bay, FL 32907
E-mail: Frank.Watanabe@palmbayflorida.org
Telephone: 321-409-6341

This VPM has been advertised consistent with federal and state requirements and developed in compliance with Title VI of the Civil Rights Act of 1964 and related statutes. The City of Palm Bay solicits public participation without regard to race, color, national origin, age, sex, religion, disability or family status. Persons wishing to express their concerns relative to compliance with Title VI may do so by contacting City of Palm Bay Title VI/Nondiscrimination Coordinator, Charleena Cox at 321-952-3421 or Charleena.Cox@palmbayflorida.org.

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 23 U.S.C. § 327 and a Memorandum of Understanding dated December 14, 2016 and executed by the Federal Highway Administration (FHWA) and the FDOT.

Thank you for your interest in this project!

