



Partin Settlement Road Improvements Alternatives Study

Neptune Road to Lakeshore Drive
Public Information Meeting
January 21, 2021

Presentation Contents



- Introduction, project background
- Project purpose and need
- Current traffic and future demands
- Proposed typical section alternatives
- Project evaluations
- Schedule and county right-of-way process
- Opportunities for further involvement

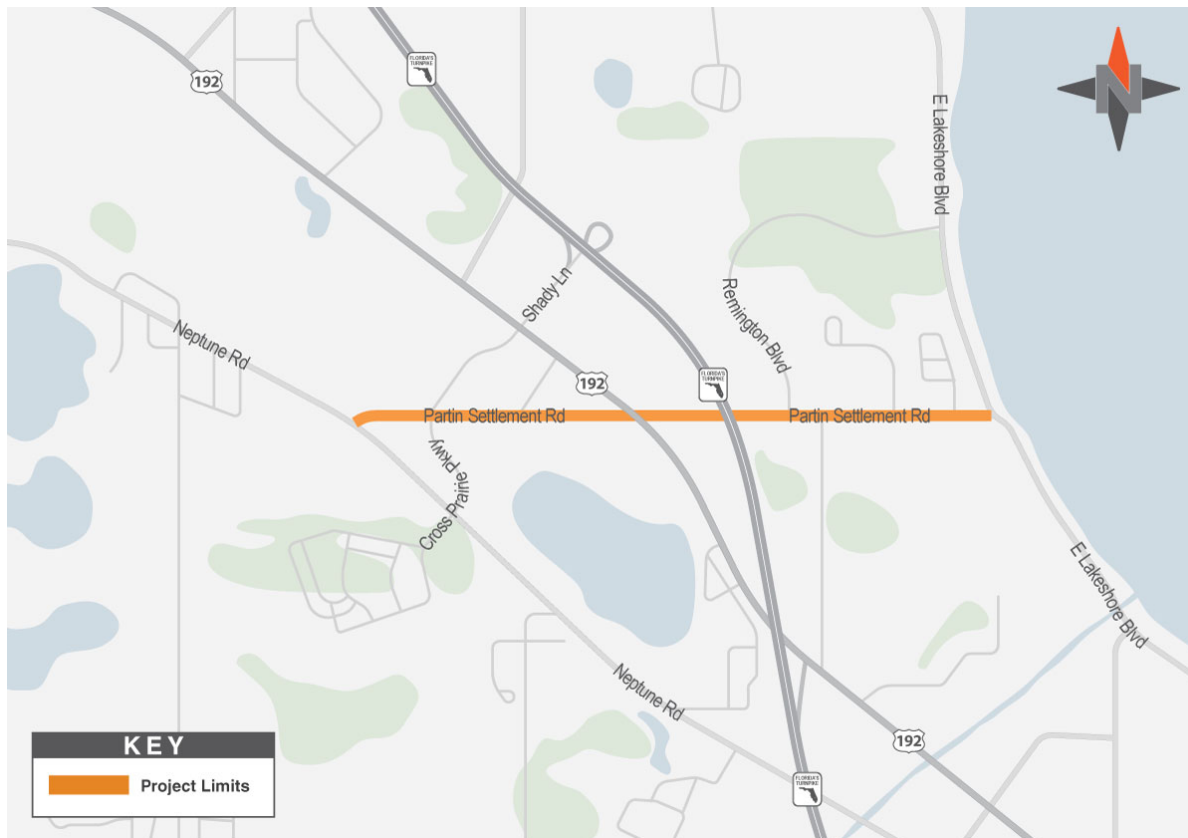
Title VI



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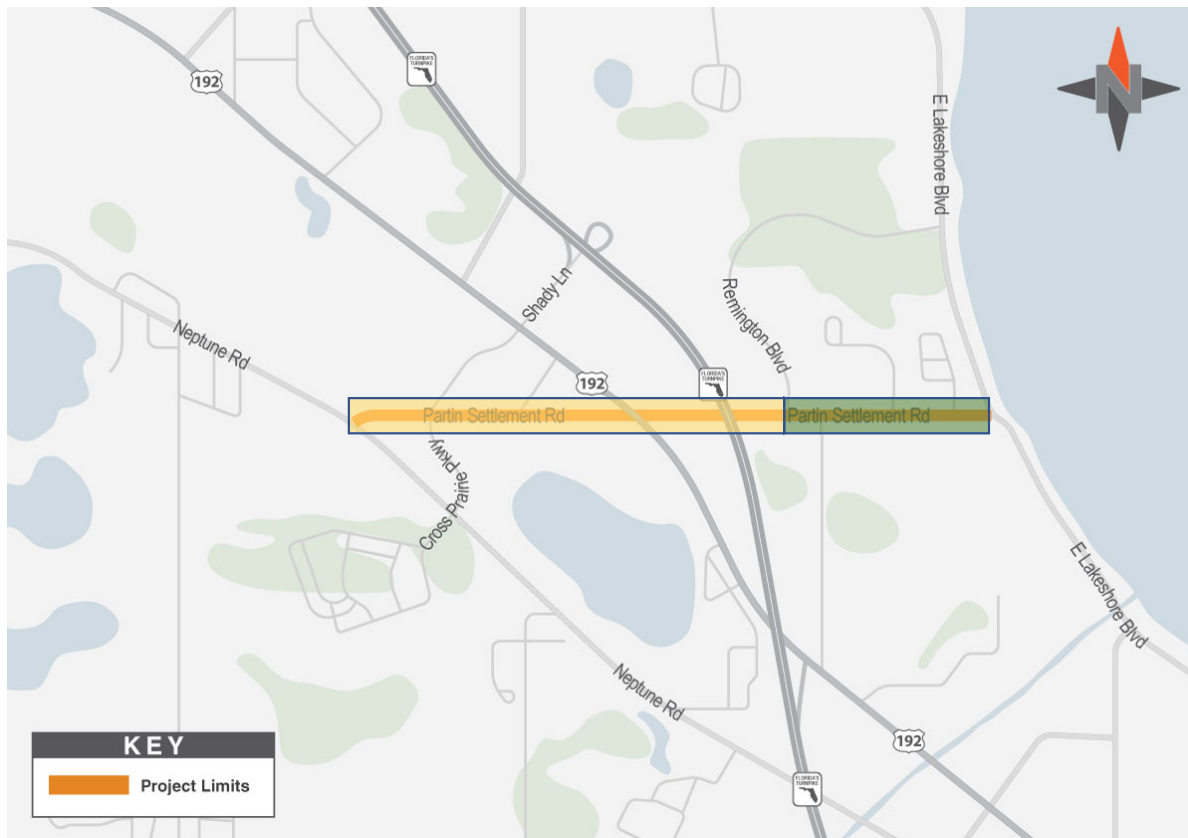
Maria A. Colòn, Director
Human Resources Department
Osceola County Board of County Commissioners
1 Courthouse Square, Suite 4200
Kissimmee, FL 34741
Phone: 407-742-1227 or TTD: 800-955-8771
Email: maria.colon@osceola.org

Project Location



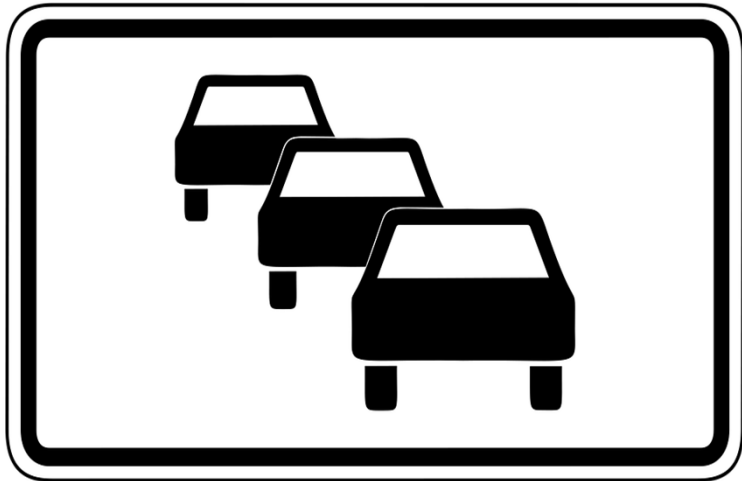
Project corridor extends from Neptune Road to Lakeshore Boulevard, a distance of 2.7 miles

Project Segments



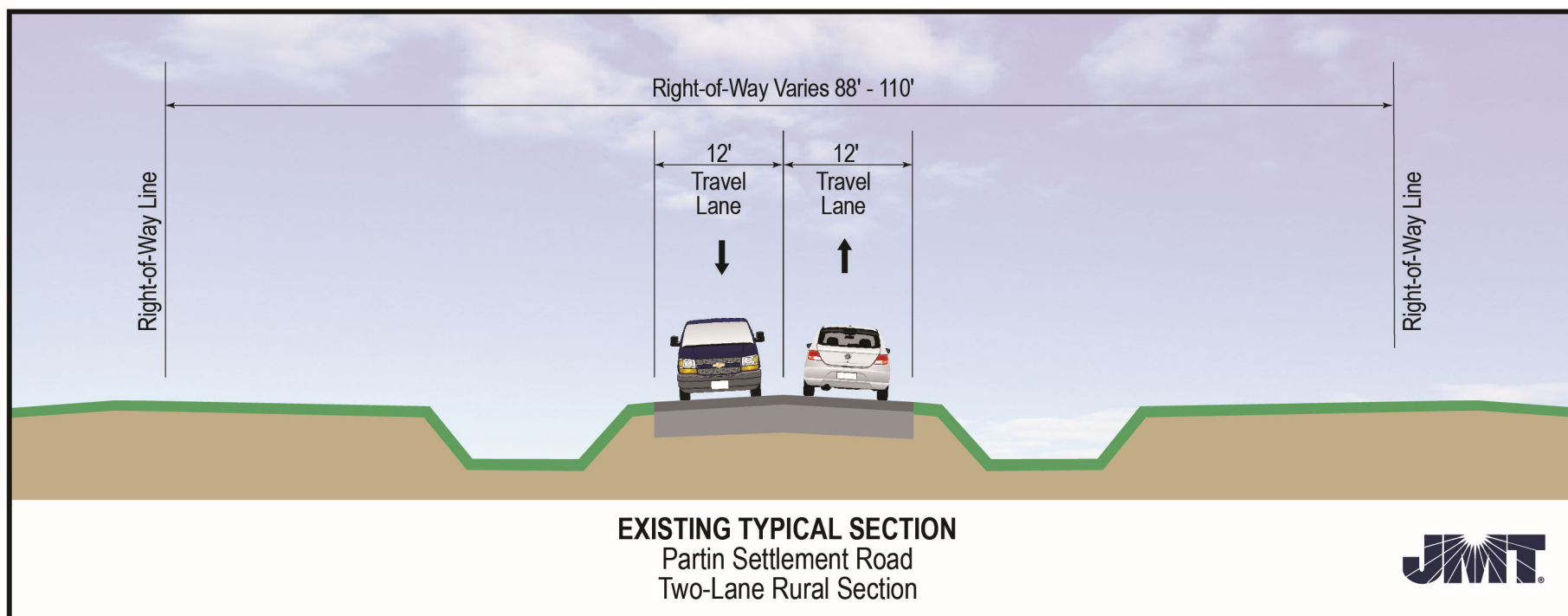
- Segment 1:
 - Neptune Road to east of Remington Boulevard – 1.95 miles
- Segment 2:
 - East of Remington Boulevard to Lakeshore Boulevard – 0.75 mile

Project Purpose & Need



- Address congestion
- Improve traffic operations
- Enhance safety
- Provide multi-modal opportunities including bicycle and pedestrian facilities
- Evaluate existing posted speed limit (varies from 35 to 45 mph)
- Improve drainage
- Identify access management opportunities
- Minimize impacts to the environment and adjacent properties

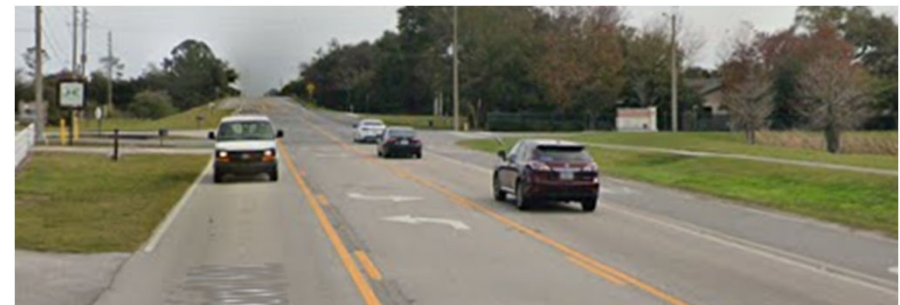
Existing Typical Section (No Build)



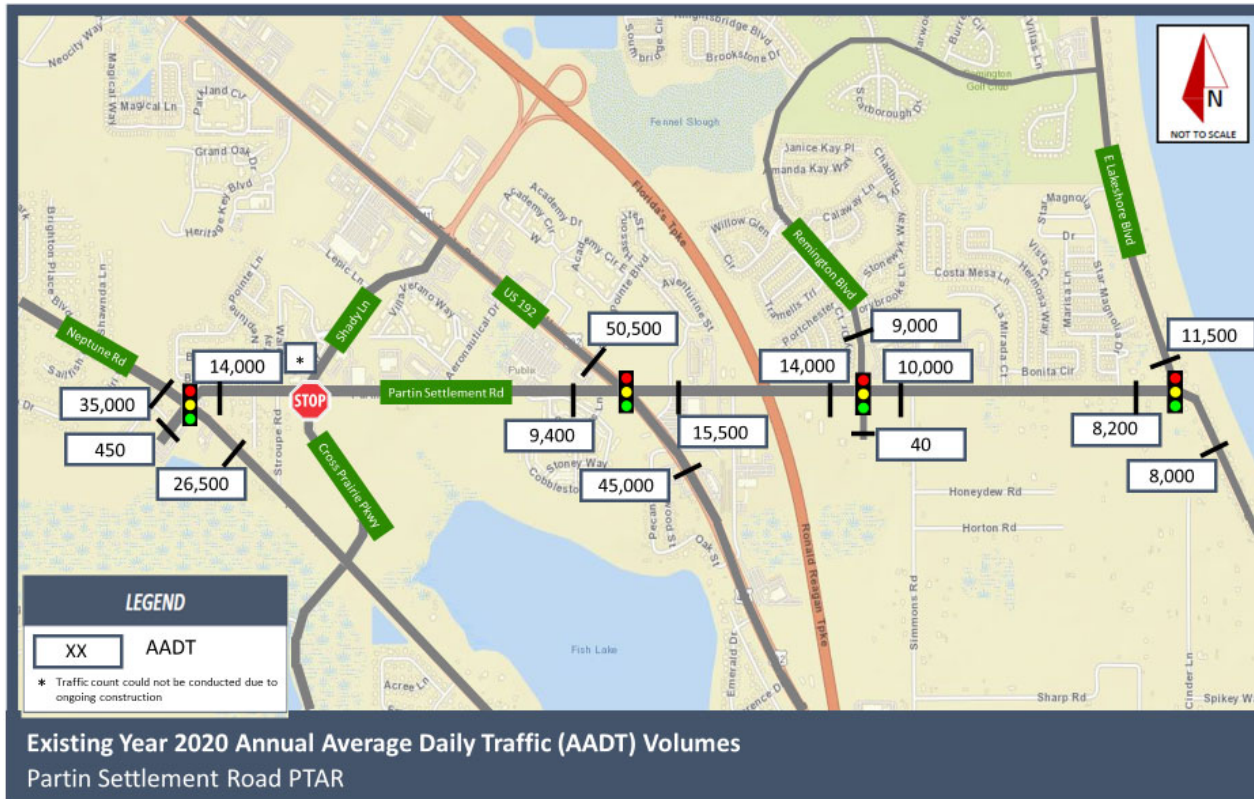
Existing Conditions



- Three lane section in some areas with center two-way left turn lane along part of the corridor
- Intersects with U.S. 192 and crosses over Florida's Turnpike
- Intermittent sidewalk
- Open drainage ditches

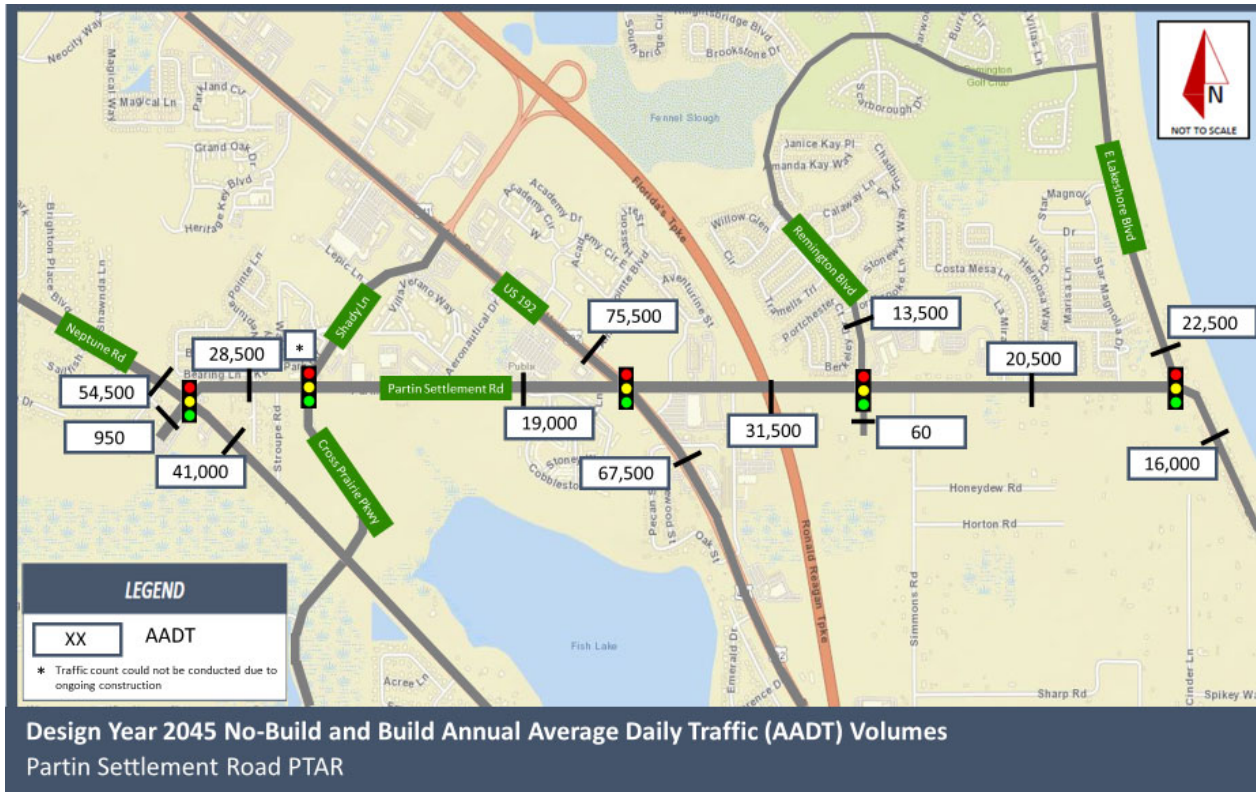


Current Traffic Volumes



- Current average daily traffic counts range from 8,200 to 14,000 vehicles

Traffic Projections - 2045

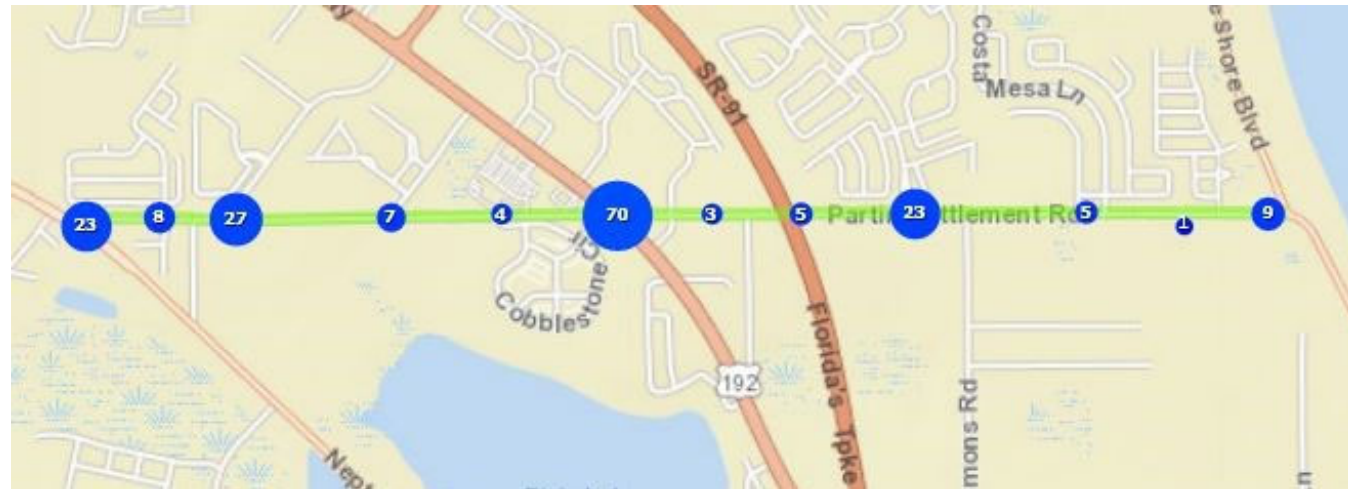


- Estimated average daily traffic volume in 2045 Ranges from 19,000 to 28,500 vehicles
- Traffic demands will require four lanes with median to maintain acceptable operations

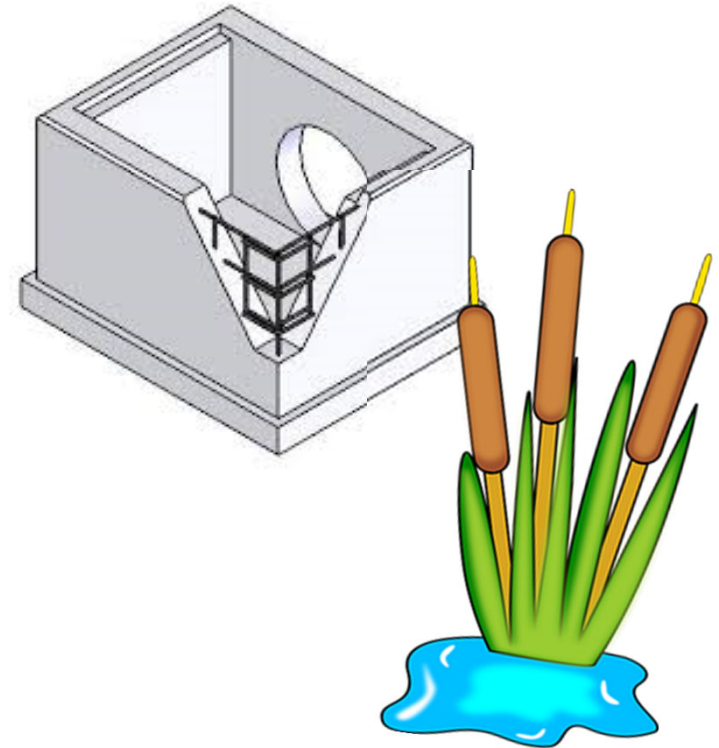
Crash History



- 185 crashes along Partin Settlement Road (2015-2020)
- 70 collisions at the U.S. 192 intersection
- 32% resulted in injury
- 61% rear-end crashes
- 16% involved left-turn movements



- Provide new closed drainage system
- Identify and evaluate alternative stormwater retention pond sites
- Minimize impacts to wetlands and other environmental features
- Additional right-of-way will be required



Proposed Alternatives Benefits

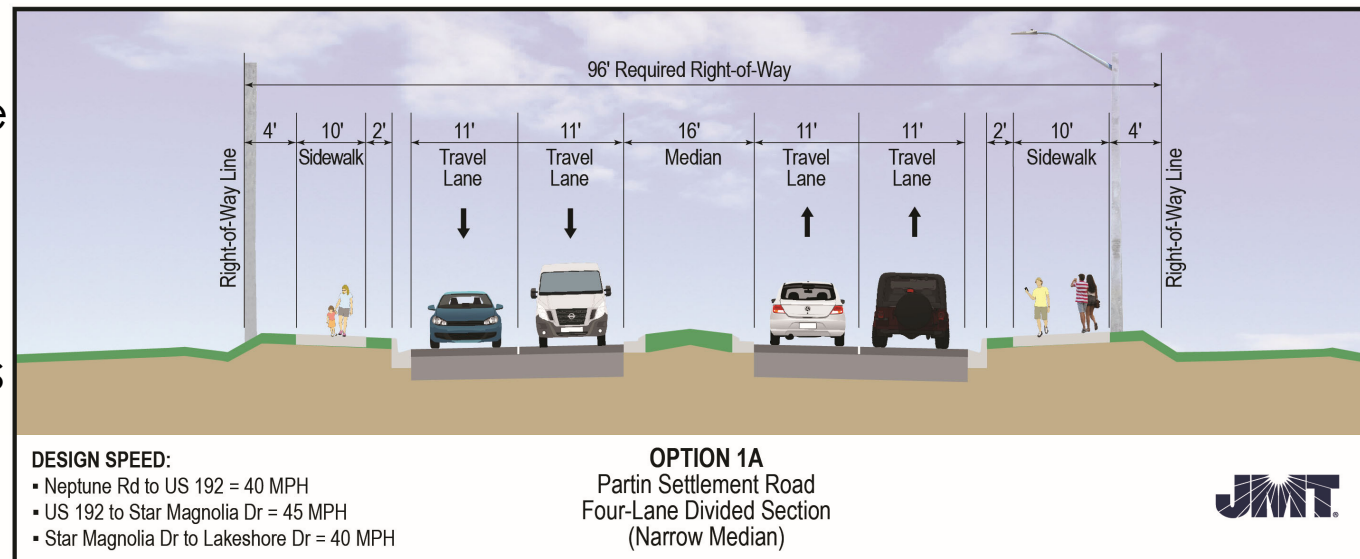


- Four typical section alternatives being evaluated
- All options provide four travel lanes with a center median which is expected to reduce congestion, improve safety, and lower the number of crashes
- All four options also include multi-modal provisions for pedestrians and bicyclists
- All alternatives will provide a closed drainage system and stormwater treatment improvements
- All options provide enhancements to traffic signals and ITS operations

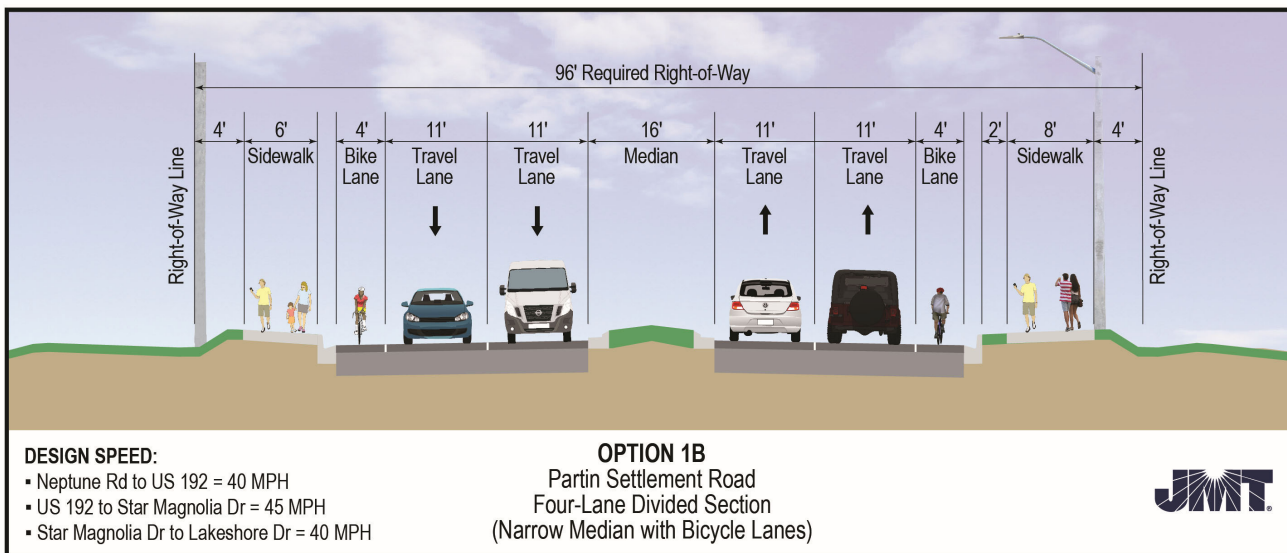
Proposed Alternative 1A



- Four-lane divided urban section with a 16-foot-wide median to enhance safety
- 10-foot-wide sidewalks to accommodate pedestrians and bicyclists
- Closed drainage system
- Required right-of-way is 96 feet which is less than Options 2 and 3



Proposed Alternative 1B

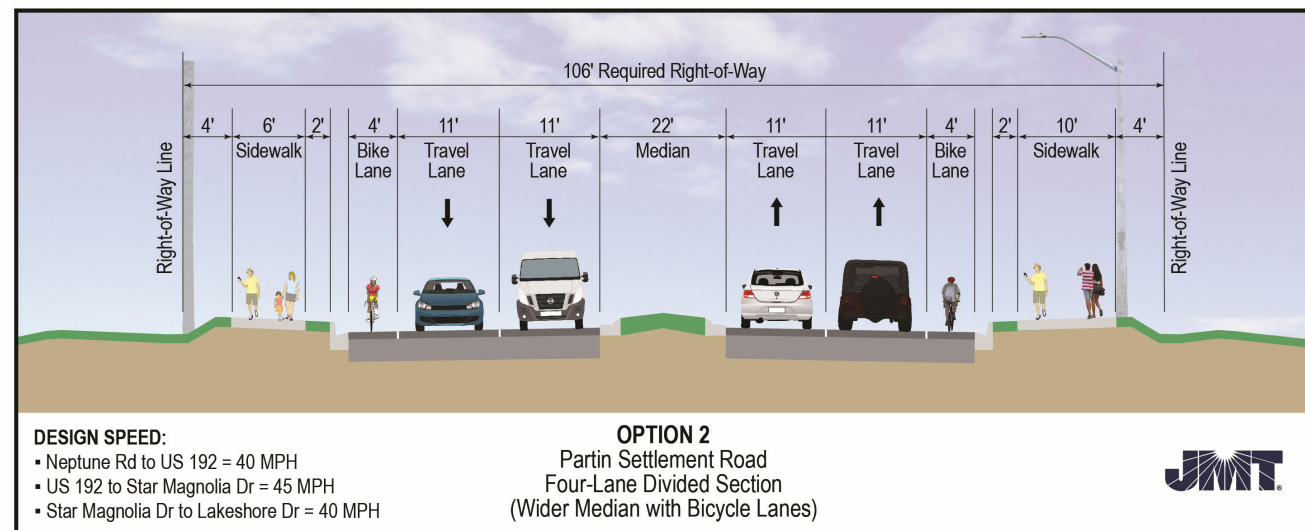


- Four-lane divided urban section with a 16-foot-wide median to enhance safety
- 6-foot-wide and 8-foot-wide sidewalks
- On-road bicycle lanes allow bicyclists to be separated from pedestrians
- Closed drainage system
- Required right-of-way is 96 Feet which is less than Options 2 and 3.

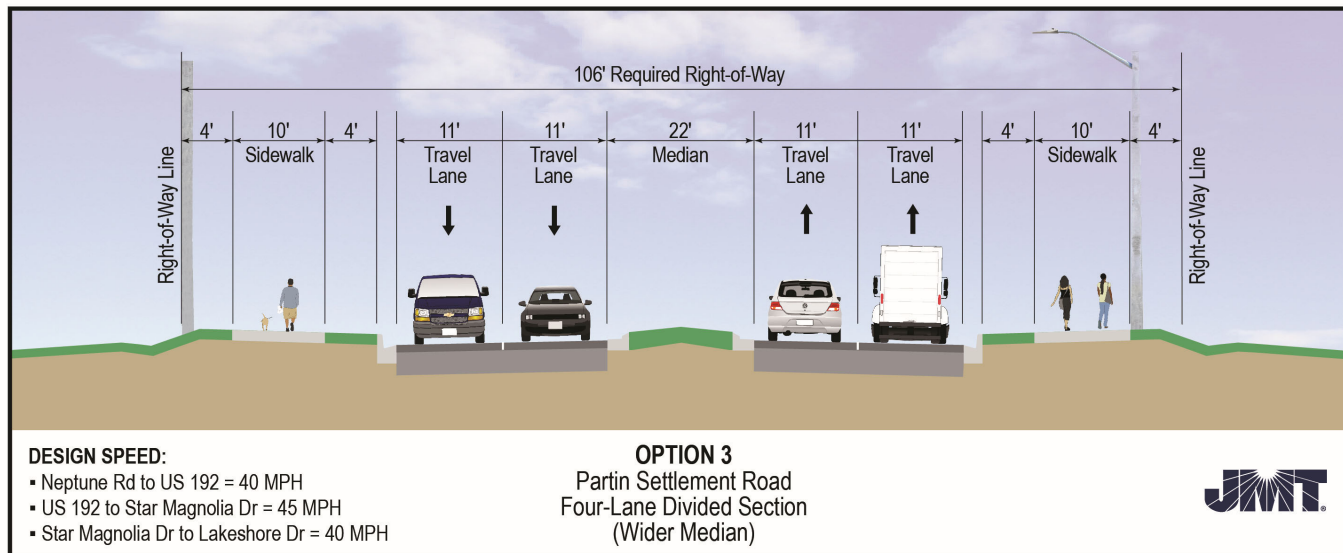
Proposed Alternative 2



- Four-lane divided urban section with 22-foot-wide median which provides a wider area for refuge
- 6-foot-wide and 10-foot-wide sidewalks
- On-road bicycle lanes allow bicyclists to be separated from pedestrians
- Closed drainage system
- Required right-of-way is 106 feet



Proposed Alternative 3



- Four-lane divided urban section with 22-foot-wide median which provides for a wider area for refuge
- 10-foot-wide sidewalks on both sides of road
- Closed drainage system
- Required right-of-way is 106 feet.

Evaluation Matrix



PARTIN SETTLEMENT ROAD WIDENING/RECONSTRUCTION NEPTUNE ROAD to LAKESHORE BOULEVARD

OSCEOLA COUNTY

	UNITS	No Build Option	OPTION 1A		OPTION 1B		OPTION 2		OPTION 3	
			NORTH Alignment	SOUTH Alignment	NORTH Alignment	SOUTH Alignment	NORTH Alignment	SOUTH Alignment	NORTH Alignment	SOUTH Alignment
Right-of-Way Needs										
Parcel Impacts (Residential + Business = Total)	Each	0	12 + 18 = 30	17 + 22 = 39	12 + 18 = 30	17 + 22 = 39	14 + 22 = 36	17 + 22 = 39	14 + 22 = 36	17 + 22 = 39
Potential Relocations (Residential + Business = Total)	Each	0	1 + 0 = 1	1 + 0 = 1	1 + 0 = 1	1 + 0 = 1	1 + 0 = 1	1 + 0 = 1	1 + 0 = 1	1 + 0 = 1
Community Facilities Impacted ^d	Each	0	5	3	5	3	5	3	5	3
Right-of-Way Acreage Impacts	Acres	0	12.15	12.47	12.15	12.47	13.41	13.71	13.41	13.71
Environmental Impacts										
Anticipated Wildlife / Habitat Impacted	Yes/No	No	No	No	No	No	No	No	No	No
Bald Eagle Nest	Each	0	0	0	0	0	0	0	0	0
Floodplains	Acres	0.00	1.90	1.98	1.90	1.98	2.35	2.23	2.35	2.23
Wetland and Surface Water Impacts	Acres	0.00	5.63	5.63	5.63	5.63	5.67	5.67	5.64	5.64
Potential Contamination Parcels (Low + Medium + High = Total)	Each	0 + 1 + 0 = 1	2 + 2 + 0 = 4	5 + 1 + 0 = 6	2 + 2 + 0 = 4	5 + 1 + 0 = 6	2 + 2 + 0 = 4	5 + 1 + 0 = 6	2 + 2 + 0 = 4	5 + 1 + 0 = 6
Traffic Projections										
Volume/Capacity (V/C) Ratio (Design Year 2045)	V/C	1.19 - 2.14	0.65 - 0.98	0.65 - 0.98	0.65 - 0.98	0.65 - 0.98	0.65 - 0.98	0.65 - 0.98	0.65 - 0.98	0.65 - 0.98
Preliminary Cost Estimates										
Preliminary Right-of-Way Costs - Neptune Road to Remington Blvd	\$	\$0	\$ 6,673,495	\$ 7,541,010	\$ 6,673,495	\$ 7,541,010	\$ 9,330,305	\$ 11,159,395	\$ 9,330,305	\$ 11,159,395
Preliminary Right-of-Way Costs - Remington Blvd to Lakeshore Boulevard	\$	\$0	\$ 1,860,805	\$ 3,025,615	\$ 1,860,805	\$ 3,025,615	\$ 2,471,055	\$ 3,428,875	\$ 2,471,055	\$ 3,428,875
Preliminary Construction and CEI Costs - Neptune Road to Remington Blvd	\$	\$0	\$ 27,092,318	\$ 27,092,318	\$ 27,423,406	\$ 27,423,406	\$ 27,704,824	\$ 27,704,824	\$ 27,270,753	\$ 27,270,753
Preliminary Construction and CEI Costs - Remington Blvd to Lakeshore Blvd	\$	\$0	\$ 10,190,400	\$ 10,190,400	\$ 10,379,793	\$ 10,379,793	\$ 10,417,709	\$ 10,417,709	\$ 10,273,682	\$ 10,273,682
Preliminary Environmental Mitigation Cost	\$	\$0	\$ 349,400	\$ 349,400	\$ 349,400	\$ 349,400	\$ 353,000	\$ 353,000	\$ 353,000	\$ 353,000
Total Preliminary Estimated Project Cost Estimate**	\$	\$0	\$46,166,418	\$48,198,743	\$46,686,900	\$48,719,225	\$50,276,892	\$53,063,802	\$49,698,795	\$52,485,705

LEGEND LITTLE/NO IMPACTS MEDIUM IMPACTS HIGH IMPACTS

*The community facilities impacted are churches within the corridor. These church impacts are accounted for in the total parcels impacted as a business.

**This project may be phased based on final traffic analysis results. The costs shown reflect the total preliminary estimated projects costs from Neptune Road to Lakeshore Boulevard.

Project Schedule



Alternatives Evaluation

- Refine alternatives
- Staff recommendation
- BOCC to choose preferred alternative spring 2021

Final Design

- To begin early 2021
- Completion in fall 2022

Right-of-Way

- Acquisition to begin early 2022

Construction

- Expected to begin fall 2023

Right-of-Way Process



For More Information, Contact:

Sally Myers

Right-of-Way and Asset Manager

Osceola County

407-742-0502

Sally.Myers@osceola.org


- Exact right-of-way needs will be refined during final design
- Osceola County will contact affected property owners directly to begin discussions

We Want to Hear from You



In-Person attendees:

- Speak with project team members
- Complete a comment form and drop it in the comments box
- Take a comment form with you and send it back to the address shown on the form
- Call or email the project team directly after the meeting by phone at 407-742-0557 or email at Conroy.Jacobs@osceola.org

 Partin Settlement Road Improvements
Public Information Meeting
Thursday, January 21, 2021
Project Number: PS-20-11504-DG

PUBLIC COMMENT FORM

Name: _____ Phone: _____
Address: _____
City: _____ State: _____ Zip: _____
Email: _____

Please use this comment form to express your opinions regarding the proposed alternatives to address capacity and safety needs on Partin Settlement Road. You may also email Osceola County Project Manager Conroy Jacobs directly at conroy.jacobs@osceola.org. Comments are always welcome. However, comments received by Feb. 1, 2021, will become part of the record for this meeting.

COMMENTS:

Please send comments or questions via email or U.S. Mail to:

Mr. Conroy Jacobs, PE
Osceola County Project Manager
1 Courthouse Square, Suite 3100
Kissimmee, FL 34741
Conroy.Jacobs@osceola.org

We Want to Hear from You



Virtual Attendees:

- Type your question or comment into the question pane during the webinar
- Download a comment form from the handouts section and return it to the address shown on the form
- Download a comment form at www.Osceola.org/go/partinsettlement
- Call or email the project team directly after the meeting by phone at 407-742-0557 or email at Conroy.Jacobs@osceola.org

For More Information



Go to the project webpage at
www.Osceola.org/go/partinsettlement

The screenshot shows the website header with a navigation menu including Board Meetings, Services, Commissioners' Corner, Agencies & Departments, How Do I, and About Osceola. Below the header is a sidebar with a 'Transportation Projects List' menu where 'Project Details' is selected. The main content area features the title 'Partin Settlement Road Project' and a 'PROJECT DETAILS' section with a map of the project location. The map shows Partin Settlement Rd highlighted in orange, with surrounding roads like Shephard Ln, Roushway Blvd, and E. Lamson Rd. A contact information box on the left provides an email address (Conroy.Jacobs@Osceola.org), phone number (407-742-0557), and address (1 Courthouse Square, Suite 3100).

Contact:

Conroy Jacobs
Osceola County Project Manager
Transportation & Transit Dept.
1 Courthouse Square, Suite 3100
Kissimmee, FL 34741
Conroy.Jacobs@osceola.org
407-742-0557



Thank You
for Attending