



# Neptune Road Improvements

from Partin Settlement Road to US 192



**Board of County Commissioners**

**May 13, 2019**

# Project Development & Environment (PD&E) Study

The objectives of a PD&E study are to perform engineering, social, and environmental studies of a proposed transportation improvement to support decisions concerning if and how it should be built and the basic design concepts.



◆ Neptune Road Improvements from Partin Settlement Road to US 192



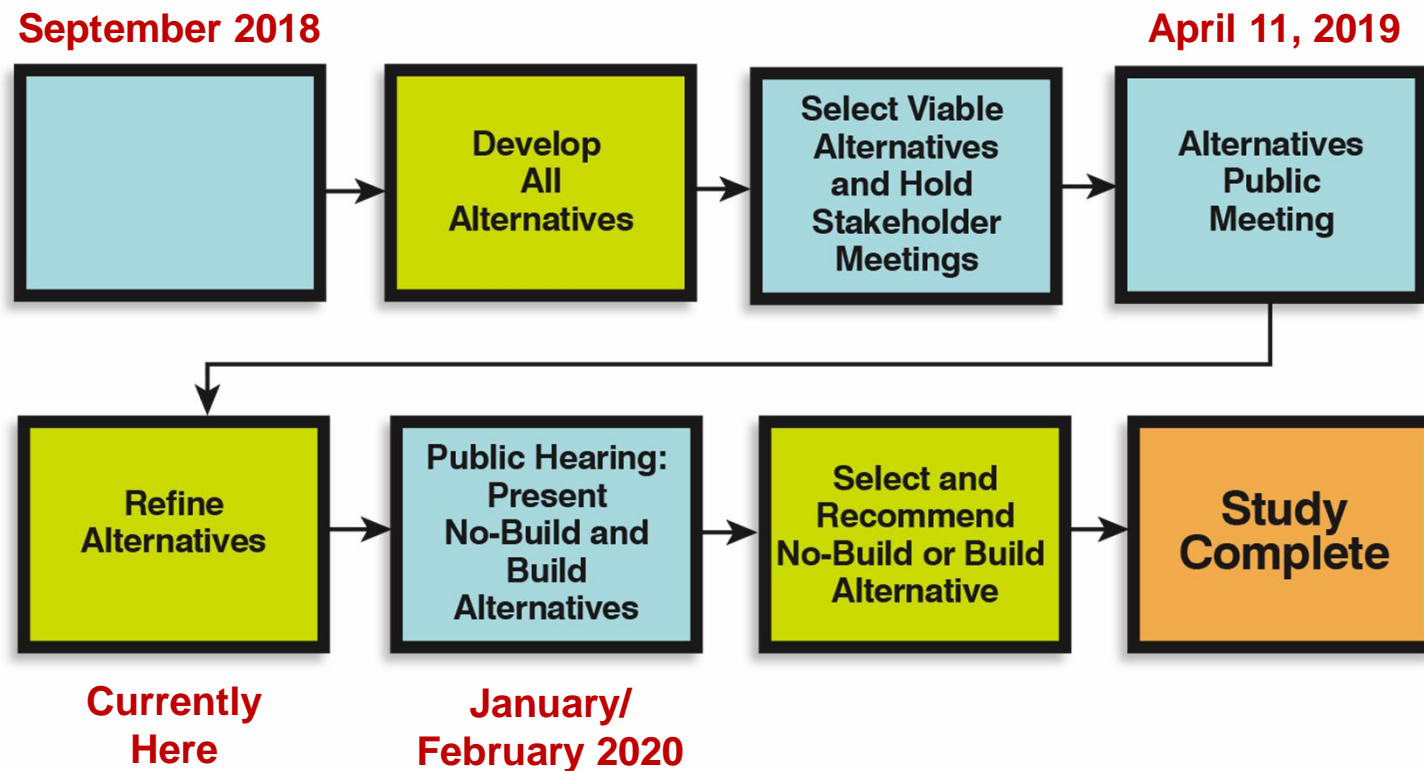
# Project Location and Limits



◆ Neptune Road Improvements from Partin Settlement Road to US 192



# PD&E Study Process



◆ Neptune Road Improvements from Partin Settlement Road to US 192



# Partin Settlement Road to Ames Haven Road

## Alternative 1

**Alternative 1 (North)**  
Widening occurs primarily to the north.



**Alternative 2 (South)**  
Widening occurs primarily to the south and requires relocation of power poles to the north side of Neptune Road.

## Alternative 2



◆ Neptune Road Improvements from Partin Settlement Road to US 192

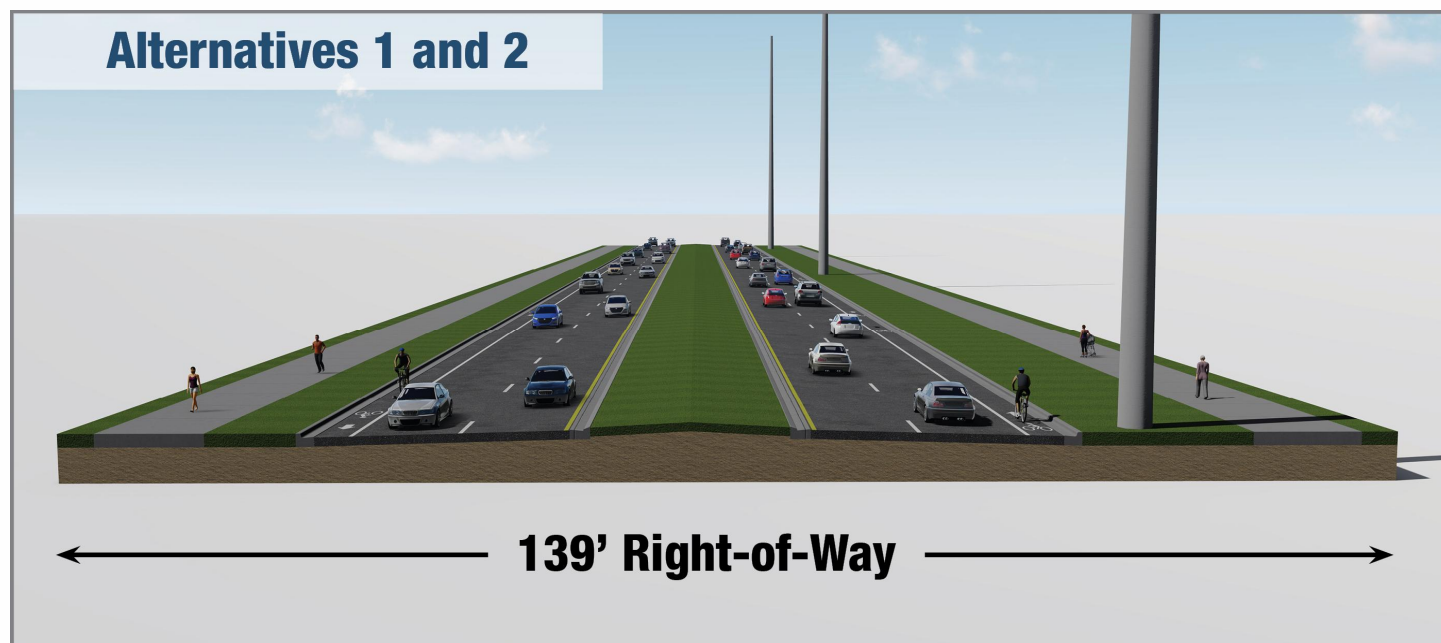


# Ames Haven Road to Old Canoe Creek Road

## Alternative 1 (North) & Alternative 2 (South)

From Ames Haven Road to the canal just east of the Turnpike, widening occurs on both sides of the road.

From east of the canal to Old Canoe Creek Road, widening occurs to the south.



◆ Neptune Road Improvements from Partin Settlement Road to US 192



# Old Canoe Creek Road to US 192

**Alternative A (4-lane)**  
Improvement is constructed within the existing right-of-way.



**Alternative B (5-lane)**  
Improvement includes center two-way left-turn lane and requires additional right-of-way from the north side of Neptune Road.



◆ Neptune Road Improvements from Partin Settlement Road to US 192



# Alternatives Evaluation Matrix

PD&E Considerations	No-Build	Partin Settlement Road to Old Canoe Creek Road		Old Canoe Creek Road to US 192	
		1 (North)	2 (South)	A (4-Lane)	B (5-Lane)
Residential Parcels (Existing + Future = Total)	0	49 + 26 = 75	⊕ 42 + 16 = 58	0 + 0 = 0	0 + 0 = 0
Non-Residential Parcels (Existing + Future = Total)	0	6 + 2 = 8	5 + 1 = 6	0 + 0 = 0	4 + 0 = 4
Potential Relocations (Residential + Non-Residential = Total)	0	9 + 0 = 9	25 + 0 = 25	0 + 0 = 0	0 + 0 = 0
Potential Contamination Parcels (Low + Medium + High Risk = Total)	0	6 + 3 + 0 = 9	6 + 3 + 0 = 9	15 + 1 + 0 = 16	15 + 1 + 0 = 16
Wildlife & Habitat	None	No Adverse Effects	No Adverse Effects	No Adverse Effects	No Adverse Effects
Bald Eagle Nest	None	2 within 660-foot buffer	2 within 660-foot buffer	1 within 330-foot buffer	1 within 330-foot buffer
Wetland (WL) & Surface Water (SW) Impacts	None	Medium 2.6 ac. WL, 2.0 ac. SW	Medium 3.1 ac. WL, 2.7 ac. SW	Minimal 0 ac. WL, 0.03 ac. SW	Minimal 0 ac. WL, 0.05 ac. SW
Floodplains	None	Medium (Zone AE - 0.7 ac., Zone A - 11.2 acre)	Medium (Zone AE - 0.7 ac., Zone A - 13.3 acre)	Minimal (Zone AE - 0.2 ac., Zone A - 0 acre)	Minimal (Zone AE - 0.2 ac., Zone A - 0 acre)
Potential Section 4(f) Use	No	Yes (Park and Trail)	Yes (Park and Trail)	No	No
Community Facilities	None	6 (police dept., park, school, trail, 2 churches)	6 (police dept., park, school, trail, 2 churches)	3 (2 group care facilities, pre-school)	3 (2 group care facilities, pre-school)
Volume/Capacity Ratio	1.8 to 1.9	0.9 to 1.1	0.9 to 1.1	1.0	0.9
Construction Cost	0	\$39,029,000	\$40,301,000	\$3,267,000	\$3,461,000
ROW Cost	0	TBD	TBD	TBD	TBD
Total Project Costs to County <sup>1</sup>	0	\$39,029,000	\$40,301,000	\$3,267,000	\$3,461,000
Utility Relocations by Others	0	\$2,336,000	\$4,205,000	\$0	\$0
Total Project Costs <sup>1</sup>	0	\$41,365,000	\$44,506,000	\$3,267,000	\$3,461,000

Notes: 1 - Excluding ROW Costs

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◆ Neptune Road Improvements from Partin Settlement Road to US 192



# Summary of Costs

Partin Settlement Rd. to Old Canoe Creek Rd.	Old Canoe Creek Rd. to US 192	Total Project Costs (Excluding ROW)
1 (North)	A (4-Lane)	\$44,632,000
1 (North)	B (5-Lane)	\$44,826,000
2 (South)	A (4-Lane)	\$47,773,000
2 (South)	B (5-Lane)	\$47,967,000

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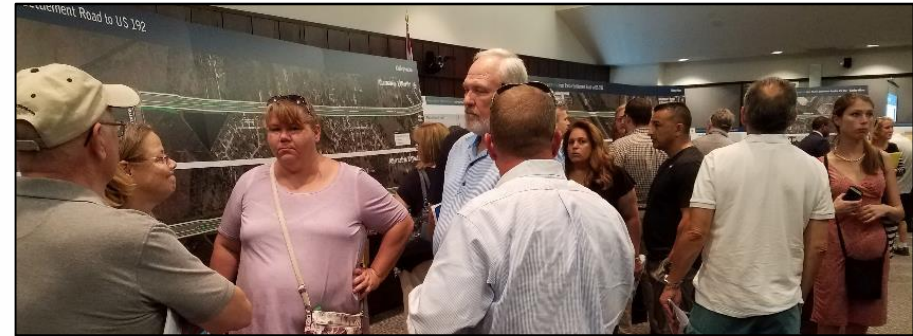


# April 11, 2019 Meeting

- 1,250 mailouts
- Newspaper ads
- County website
- Facebook
- Nextdoor
- Project website



- 69 People signed in
- 29 Comments
  - At meeting
  - Mailed in
  - Email



◆ Neptune Road Improvements from Partin Settlement Road to US 192



# April 11, 2019 Meeting - Comments

## Alternatives

- 13 – Prefer Alternative 1 (North)
- 5 – Prefer Alternative 2 (South)
- 0 – Prefer Alternative A (4-Lane)
- 3 – Prefer Alternative B (5-Lane)
- 1 – Prefer No-Build
  
- 4 – Suggest adjusting alternatives to reduce impacts
- 1 – Provide median east of Old Canoe Creek Road

## Other

- 2 – Please improve as soon as possible
- 2 – Include landscaping like west Neptune
- 2 – Include right turn lane at Middle School
- 1 – Requested additional access
- 1 – Developers should pay for improvements
- 1 – Likes the multiuse paths
- 1 – Connect Henry Partin Road to Cross Prairie Parkway
- 1 – Keep trees along Neptune Road
- 1 – Requested information
- 1 – Create Youtube video or Skype meeting



# Recommended Preferred Alternative

## Partin Settlement Road to Old Canoe Creek Road

- Alternative 1 (North)
  - With Adjustments to reduce impacts

### Reasons

- Less relocations
- Lower construction cost
- Estimated lower right-of-way cost

## Old Canoe Creek Road to US 192

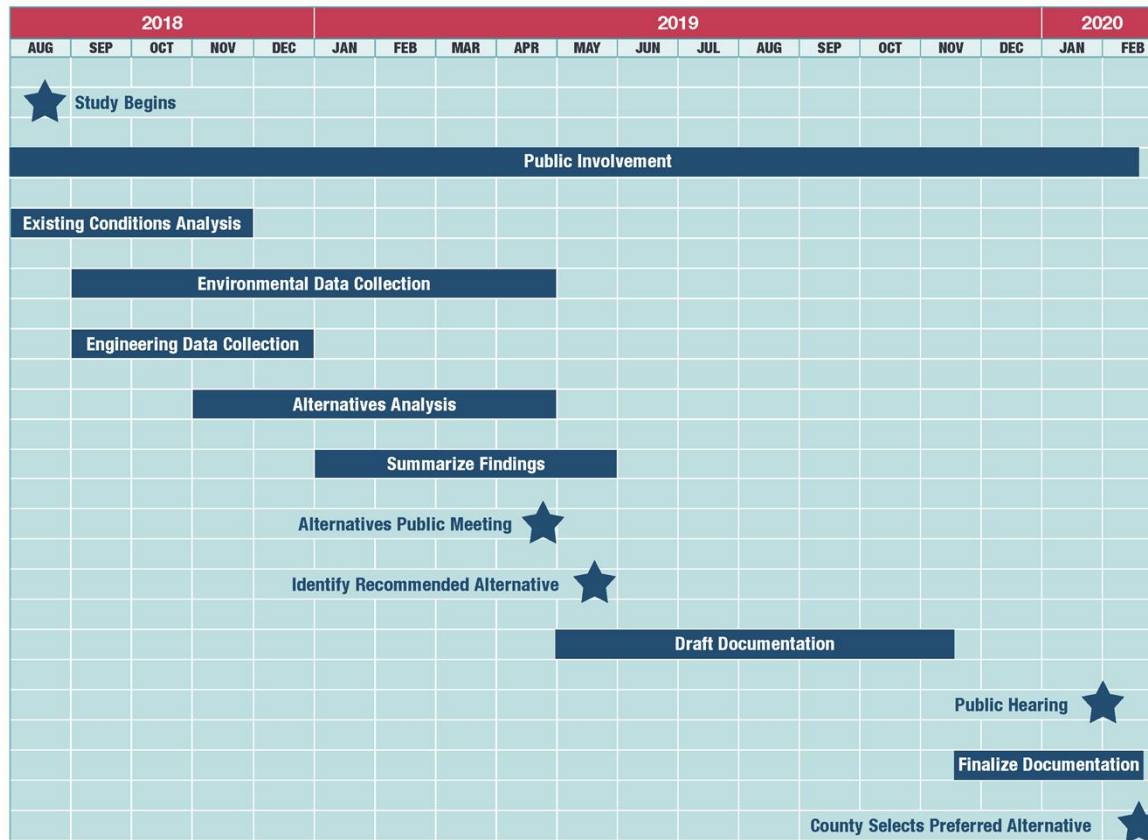
- Alternative B (5-Lane)
  - With Adjustments to reduce right-of-way costs
  - May ultimately be more similar to Alternative A (4-Lane)

### Reasons

- Better operation
- Right-of-way costs may exceed benefits



# Next Steps - Schedule



◆ Neptune Road Improvements from Partin Settlement Road to US 192





Board of County Commissioners  
May 13, 2019

# Comments and Questions

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