



Lake-Sumter Metropolitan Planning Organization Governing Board April 24, 2019

Round Lake Road
Project Development
and Environment
(PD&E) Study

RSQ Number: 17-0015

www.roundlakeroadstudy.com



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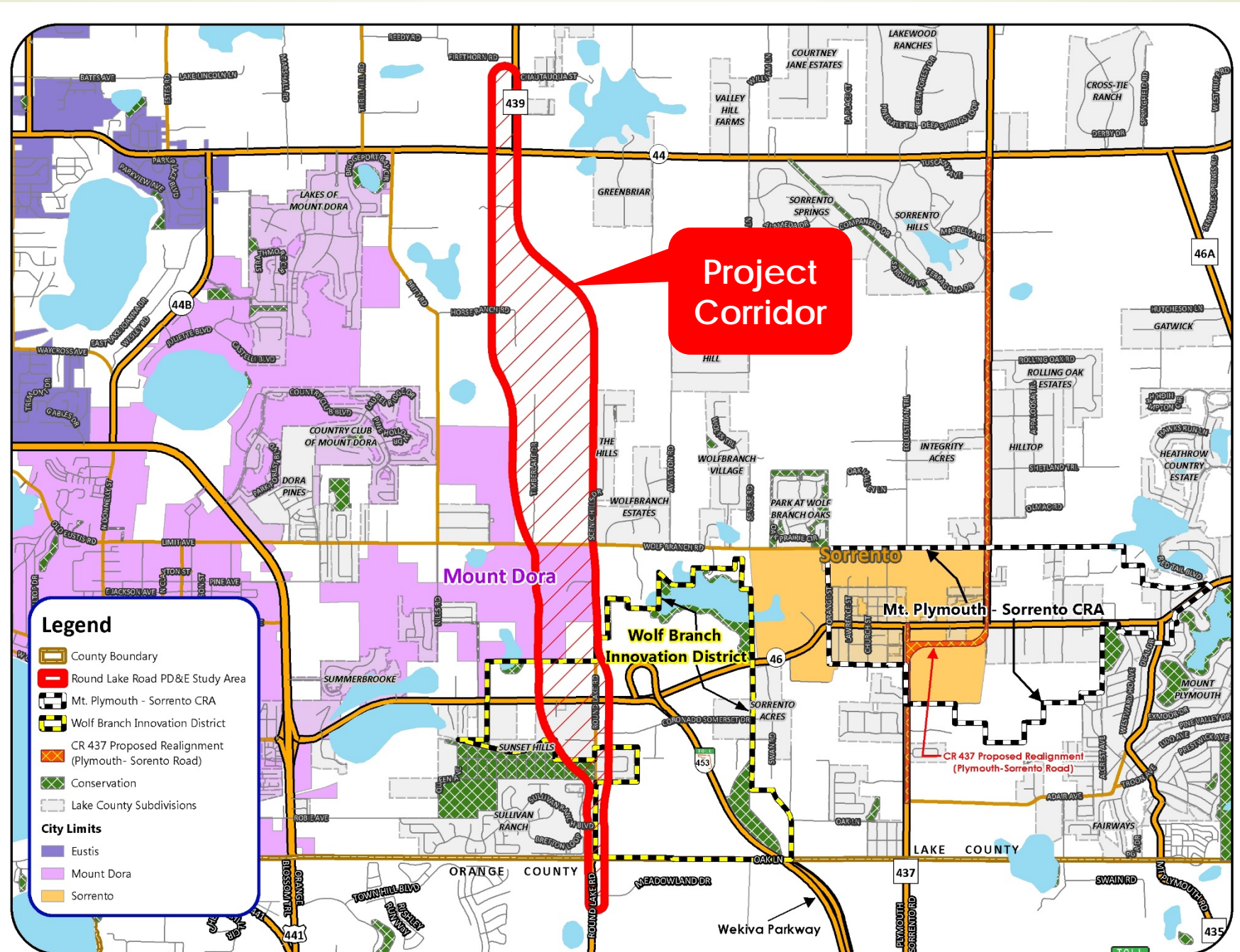
Project Background

The need for improvements was originally evaluated based on an area-wide traffic analysis

- **East Lake County Transportation Study**
 - Completed by FDOT (2013)
 - Two major improvements recommended
 - Extension of Round Lake Road
 - Realignment of CR 437
- Area is experiencing substantial growth in the future. Economic, land development and transportation projects of significance in this region include:
 - the 1,300-acre Wolf Branch Innovation District
 - the \$1.6 billion, 25-mile Wekiva Parkway (SR 429)
 - the regional multi-use Wekiva Trail between Lake, Orange, and Seminole Counties
 - the 2,112-acre Mt. Plymouth-Sorrento Community Redevelopment Area (CRA)
 - proposed new residential and commercial development within the City of Mt. Dora



Study Area



Legend

- County Boundary
- Round Lake Road PD&E Study Area
- Mt. Plymouth - Sorrento CRA
- Wolf Branch Innovation District
- CR 437 Proposed Realignment (Plymouth-Sorrento Road)
- Conservation
- Lake County Subdivisions

City Limits

- Eustis
- Mount Dora
- Sorrento



Traffic Volumes

Roadway	From	To	Average Daily Traffic		
			Existing	2040	% Change
Round Lake Road	Orange/Lake County Line	SR 46	9,200	18,000	95.65%
	SR 46	Wolf Branch Road	7,700	22,000	185.71%
CR 439	Wolf Branch Road	SR 44	--	22,000	--
	SR 44	CR 44A	8,100	18,000	122.22%
SR 46	US 441	Round Lake Road	13,000	34,000	161.54%
	Round Lake Road	CR 437S	12,000	18,000	50.00%
Wolf Branch Road	US 441	Round Lake Road	11,000	14,000	27.27%
	Round Lake Road	CR 437N	5,400	12,000	122.22%



Purpose and Need

- **Sustain projected future growth** while preserving the character of existing communities and environment
- Provide a **long-term north-south corridor** for northeast Lake County
- **Improve traffic safety**
- **High Ranking** in Lake-Sumter MPO Priority Projects
- **Enhance emergency evacuation and safety**



March 8, 2018 Public Meeting
October 25, 2018 Public Workshop
March 7, 2019 Public Meeting

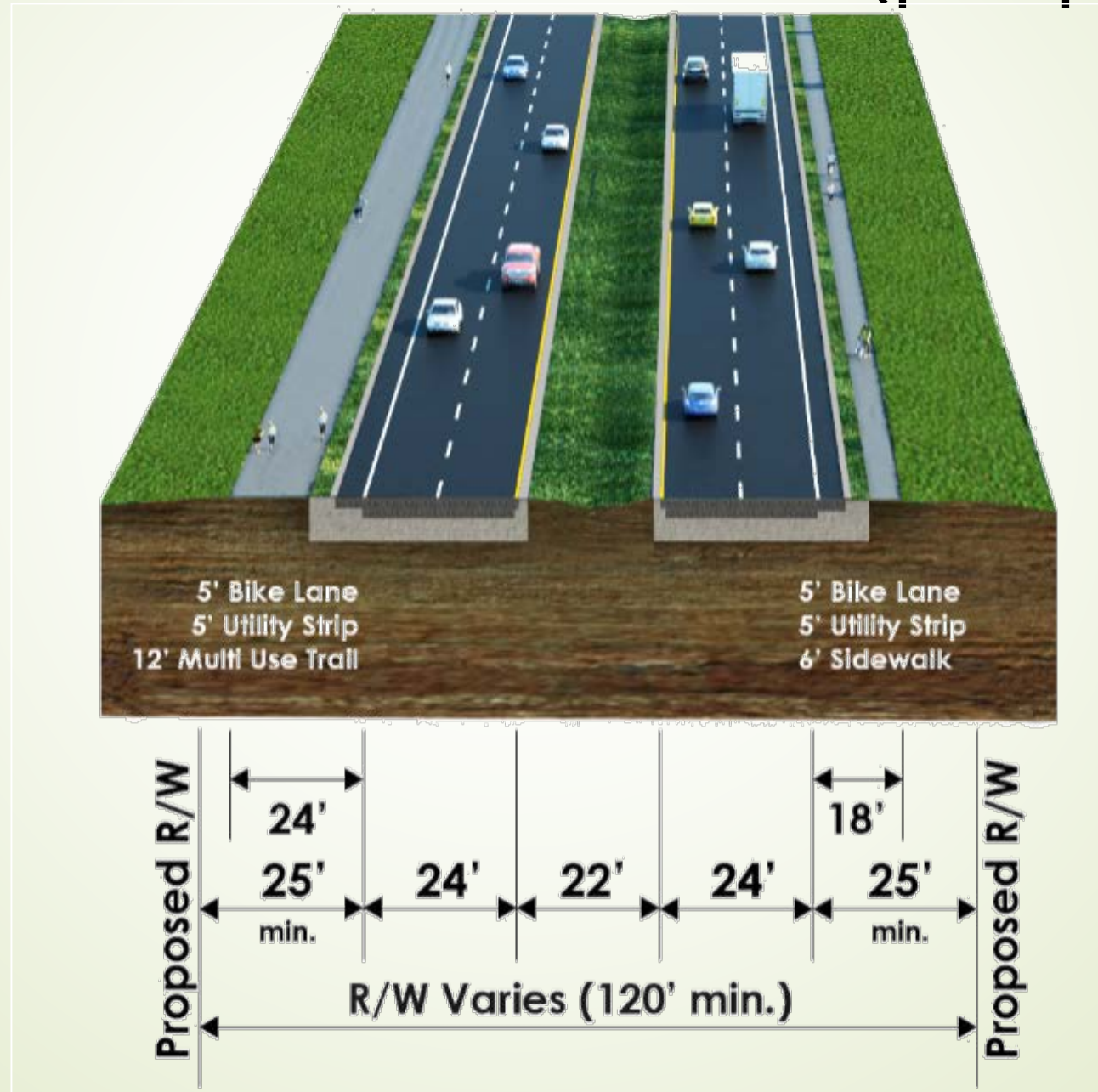
Public Concerns

- Impacts to rural character
- Environmental impacts
- Attract more traffic
- Safety
- Property access
- Project need



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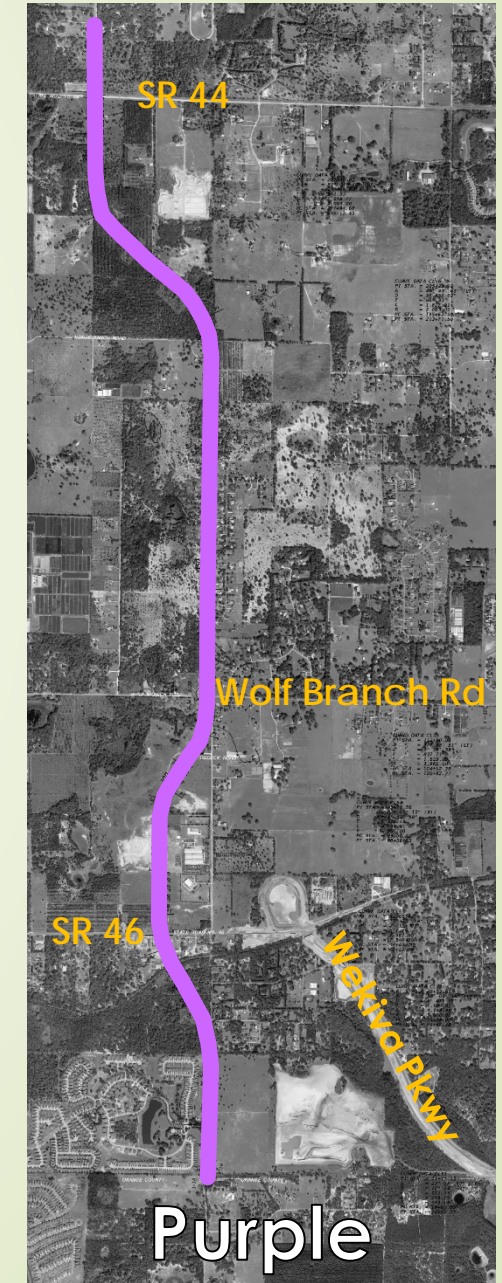
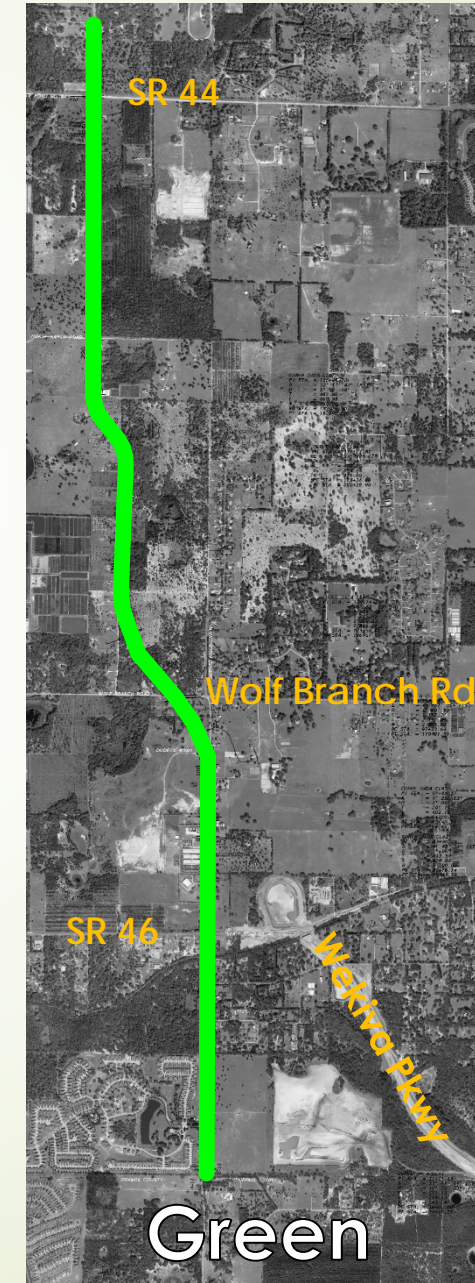
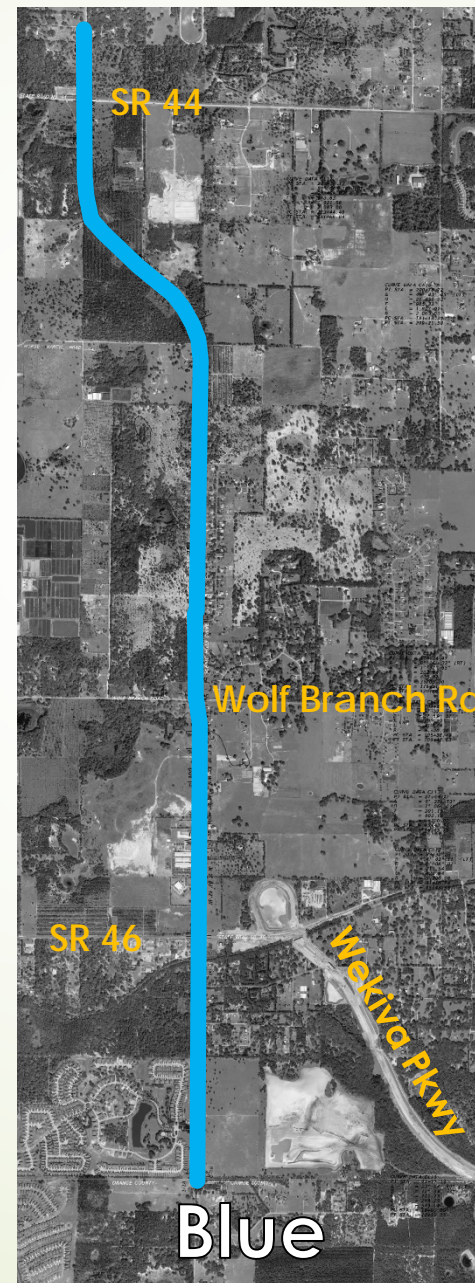
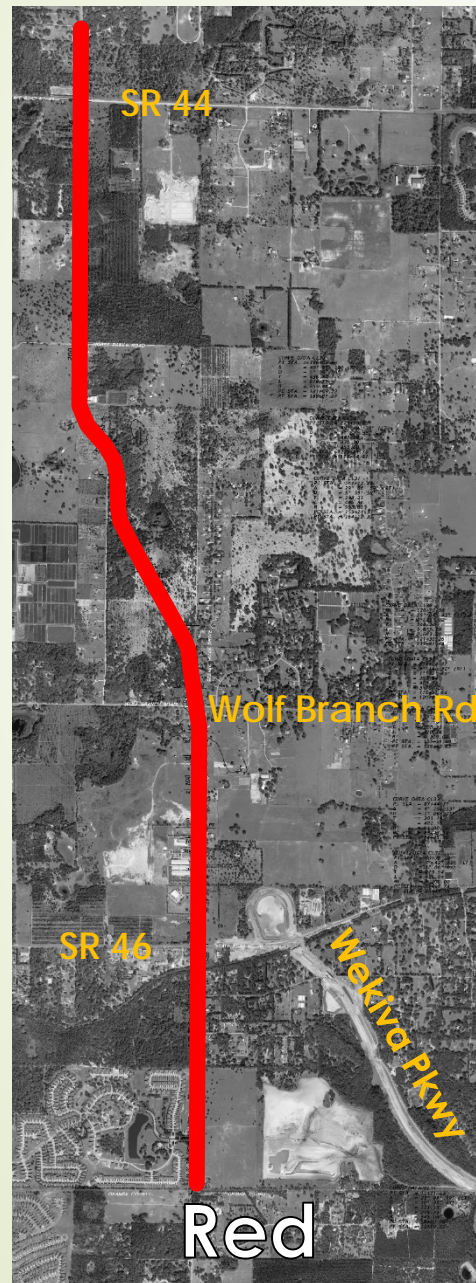
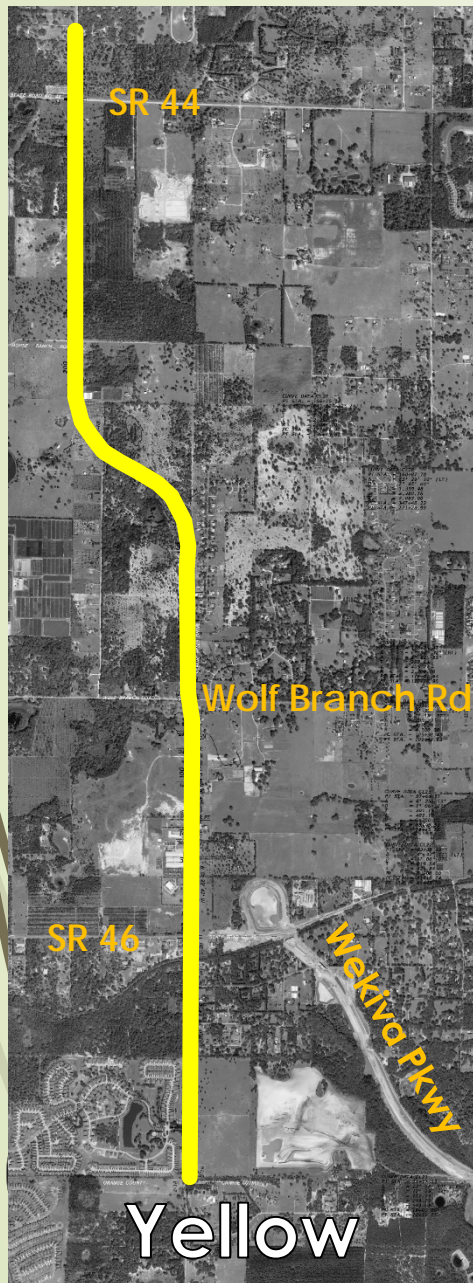
Typical Section – 4 Lanes (proposed)



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Evaluated Build Alternatives



Alternatives Evaluation Matrix

Evaluation Factors	Alternative					
	No Build	Yellow	Red	Blue	Green	Purple
RIGHT-OF-WAY IMPACTS						
# of Business Parcels Impacted	0	3	3	2	2	17
# of Utility and Governmental Parcels Impacted	0	2	2	2	2	1
# of Residential Parcels Impacted	0	26	24	21	25	10
# of Vacant Parcels Impacted	0	31	32	30	34	31
# of Parcels Impacted (Total)	0	62	61	55	63	59
# of Potential Residential Relocations	0	2	2	2	3	7
# of Potential Business Relocations	0	1	1	0	1	15
Right-of-Way required for Roadway (acres)	0	48.65	48.42	48.45	53.14	62.50
Right-of-Way required for Ponds (acres)	0	21.60	23.68	20.44	24.62	19.90
Total Right-of-Way required (acres)	0	70.25	72.10	68.89	77.76	82.40
ENVIRONMENTAL IMPACTS						
Cultural Impacts						
Historic-Age Parcel (Pre-1974) (# of parcels)	0	4	4	4	6	0
Historic-Age Parcel (1970s) (# of parcels)	0	9	9	7	9	4
NRHP Resources (# of parcels)	0	1	1	1	1	1
Wetland Impacts (acres)	0	0	0	0	1.72	0
Floodplain Impacts (acres)						
Zone A	0	0.39	0.39	0.39	0.89	0.39
Zone AE	0	3.56	3.58	3.56	2.32	3.17
Wildlife Impacts						
Gopher Tortoise (# of burrows)	0	32	39	39	23	34
Sand Skink Habitat (acres)	0	71.9	73.1	64.0	76.0	69.2
Contamination Impacts						
Risk Rating - 'High' (acres)	0	0.23	0.02	0.02	0.02	0
Risk Rating - 'Medium' (acres)	0	5.48	5.39	0	5.39	0.73



Estimated Construction Costs

	Alternative				
	Yellow	Red	Blue	Green	Purple
Roadway Construction	\$ 38,279,000	\$ 37,763,000	\$ 38,174,000	\$ 37,930,000	\$ 38,833,000
Engineering Design (6%)	\$ 2,297,000	\$ 2,266,000	\$ 2,290,000	\$ 2,276,000	\$ 2,330,000
Construction Engineering & Inspection (10%)	\$ 3,828,000	\$ 3,776,000	\$ 3,817,000	\$ 3,793,000	\$ 3,883,000
Total Cost with 20% Contingency	\$ 53,284,000	\$ 52,566,000	\$ 53,137,000	\$ 52,799,000	\$ 54,055,000



Ranking of Alternatives

(1 = Highest Ranked and 5 = Lowest Ranked)

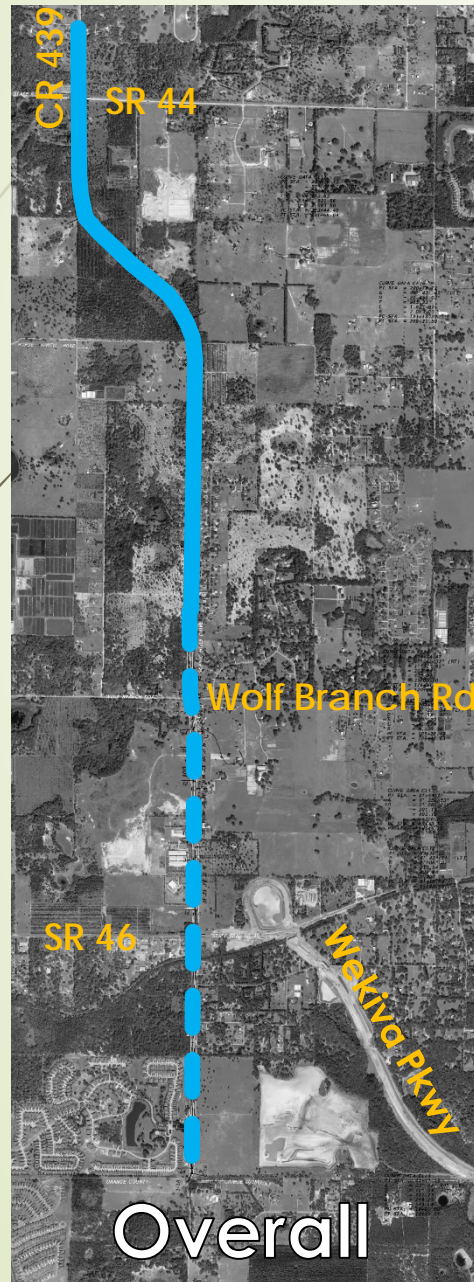
	Alternative				
	Yellow	Red	Blue	Green	Purple
Engineering & Environmental Relocations	3	4	2	5	1
ROW	2	2	1	5	2
Public Input	3	3	2	1	3
Total Construction Cost	4	1	3	2	5
Weighted Ranking Score*	3	2.5	2	3.08	3.26
Ranking (Overall)	3	2	1	4	5

* Weighted ranking score is based on the following weighting:

Engineering & Environmental Relocations	25%
ROW	17%
Public Input	8%
Total Construction Cost	25%



Recommended Alternative (Blue)



Legend:

- Existing
- Proposed



Public Hearing before the Lake County Board of County Commissioners

May 7, 2019

(after 9:00 a.m. as determined by agenda)

Lake County Administration Building
Board Chambers (2nd Floor)
315 W. Main Street, Tavares, Florida 32778



Project Schedule

Key Study Activities	2018												2019					
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
Notice to Proceed	●																	
Public Involvement																		
Project Overview Public Meeting (March 8, 2018)			★															
Data Collection																		
Alternatives Developed and Studied																		
Alternative Concepts Public Workshop (October 25, 2018)																		
Draft Study Documents																		
Recommended Alternative Public Meeting March 7, 2019)																		
Lake County BCC Public Hearing (May 7, 2019)																		
Final Study Documents																		





QUESTIONS

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