



Lake-Sumter Metropolitan Planning Organization Community Advisory Committee April 10, 2019

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

RSQ Number: 17-0015

www.roundlakeroadstudy.com



How Do We Get A New Road?



3

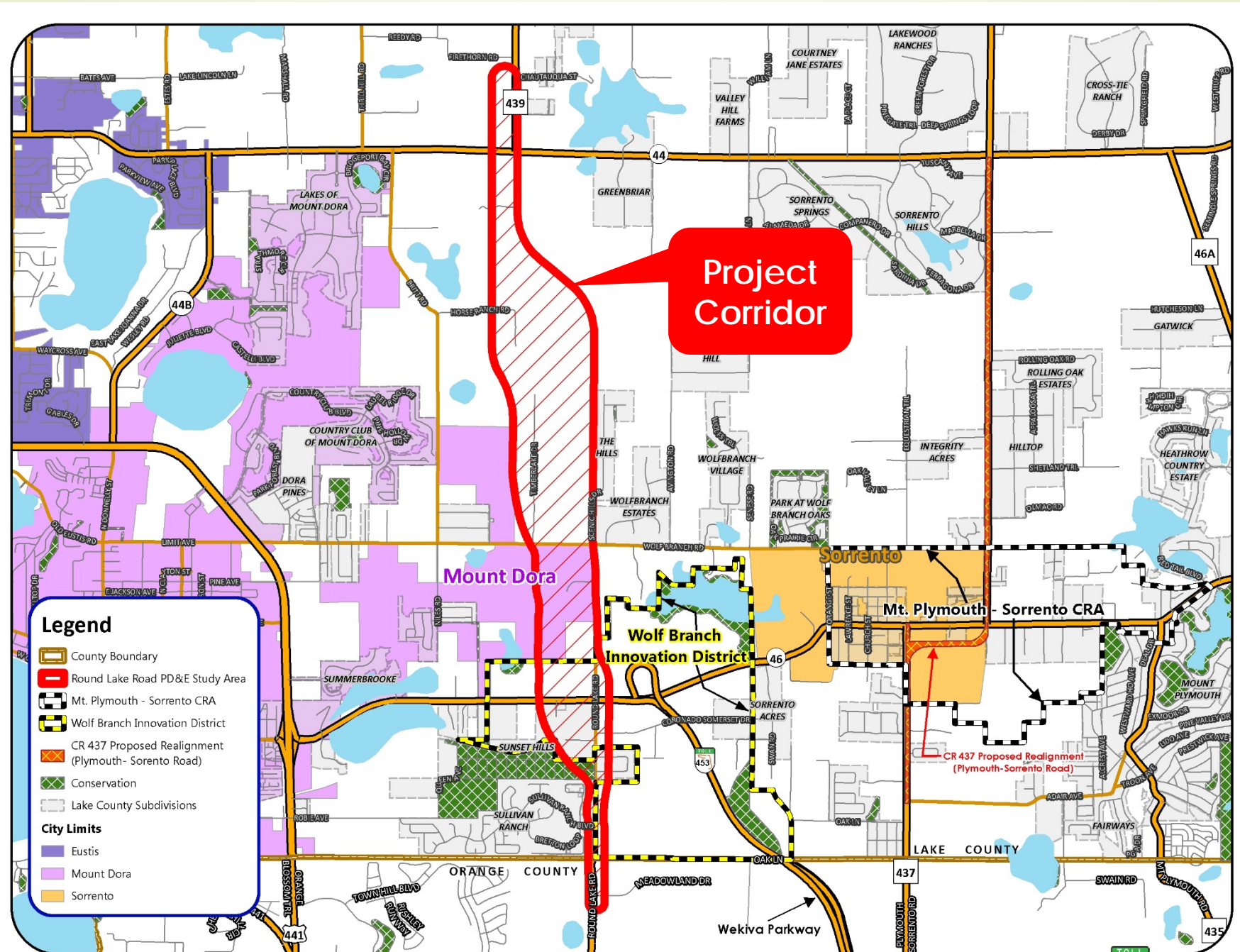
Project Background

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

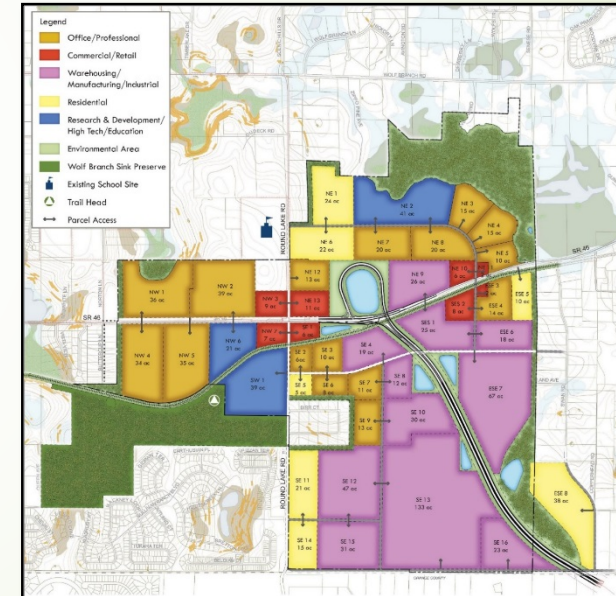
Public Concerns

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



Additional Stakeholder Input

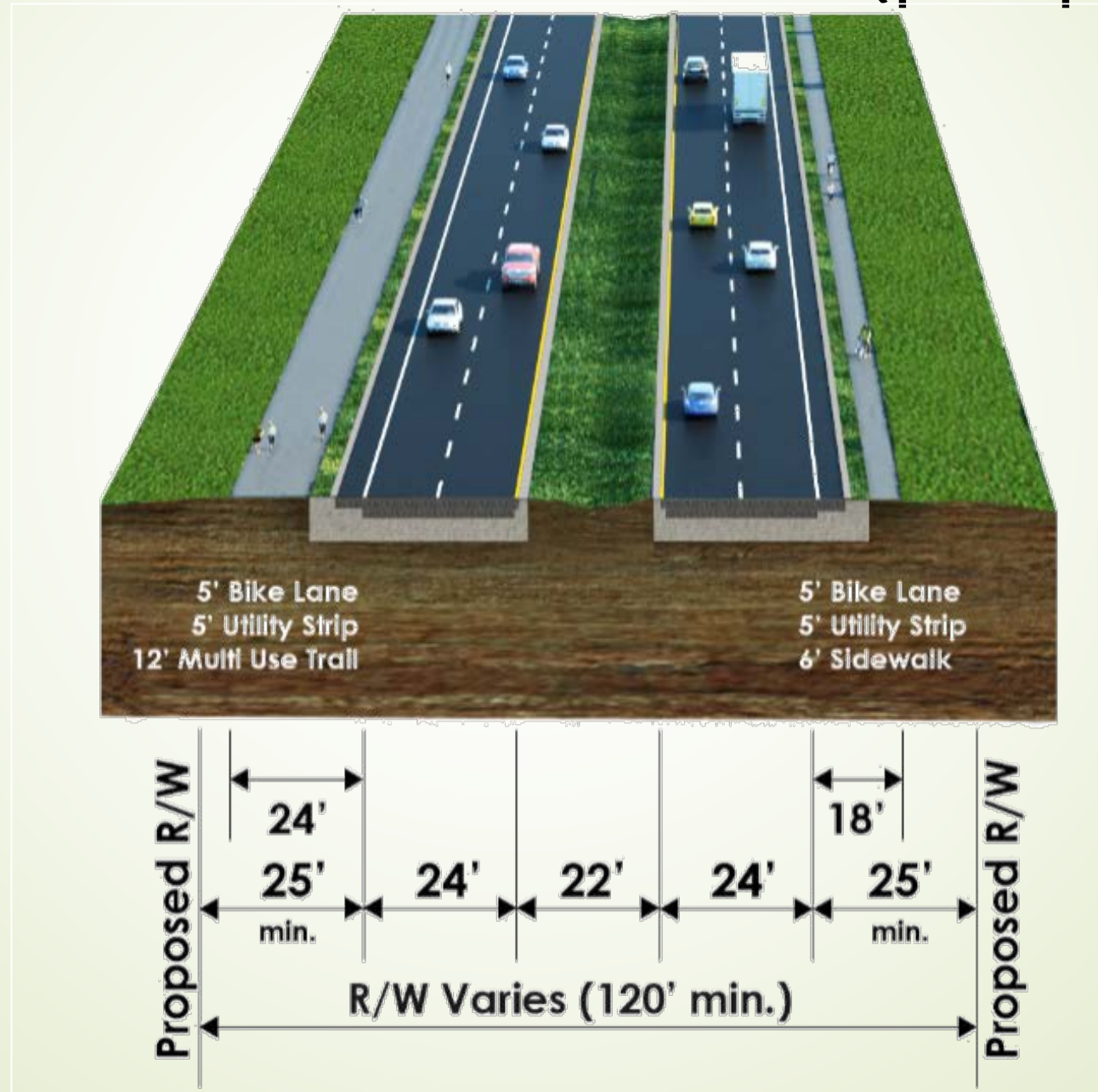
- Coordination Meetings
 - Round Lake Charter School
 - Lake County Public Schools
 - City of Mount Dora
 - Property Owners
- Emails
- Website Comments
- Letters



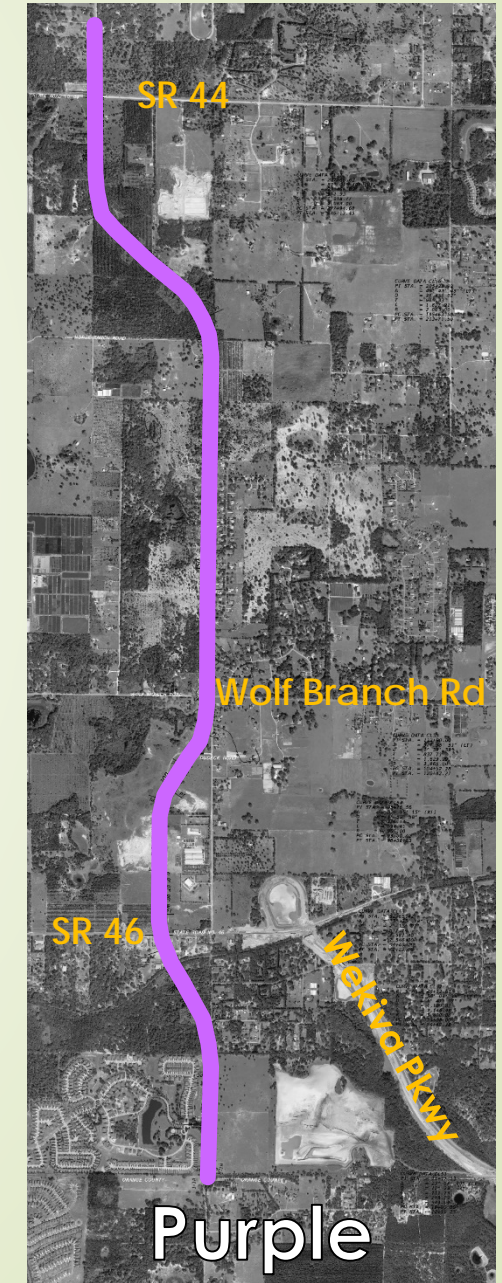
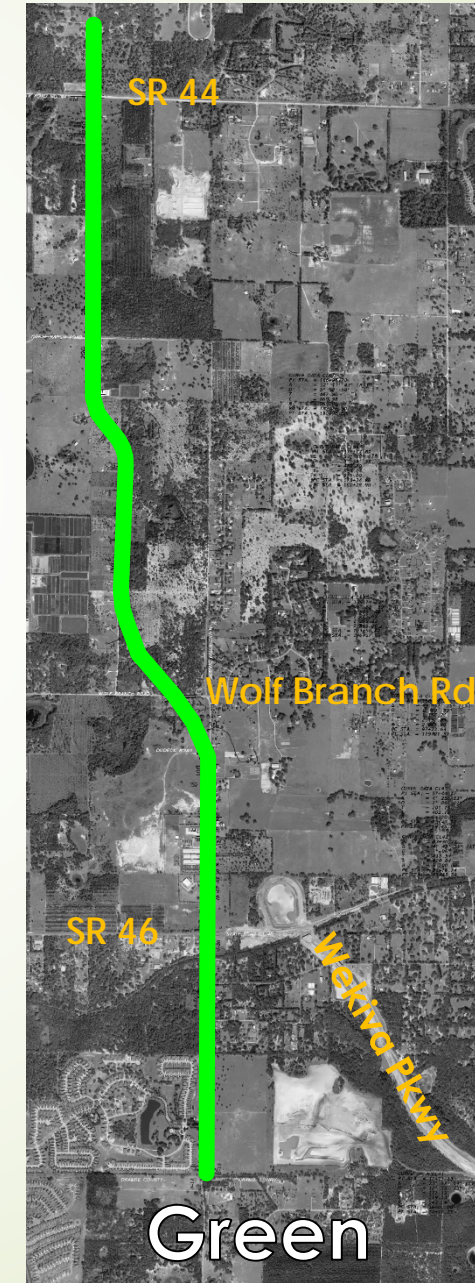
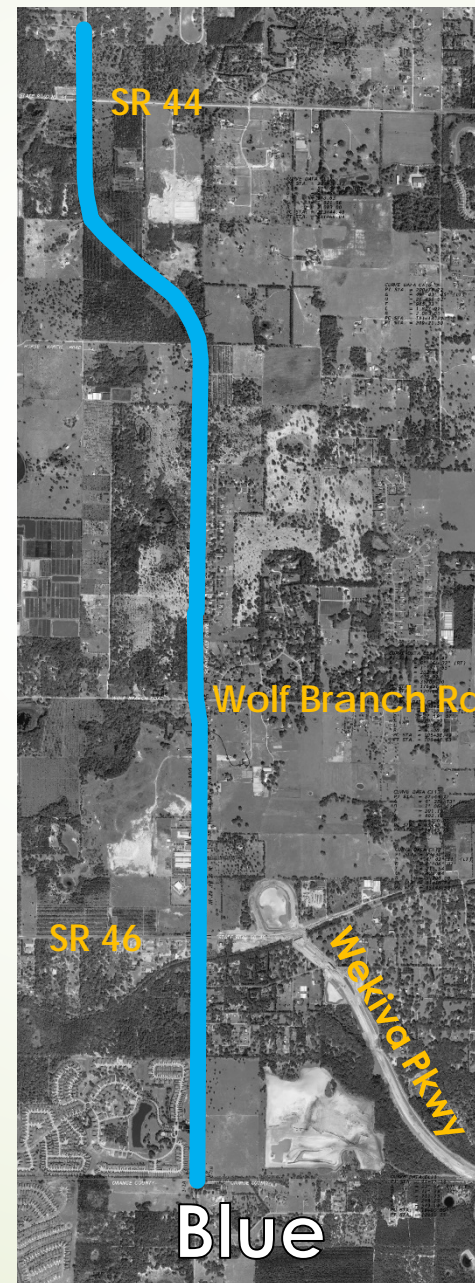
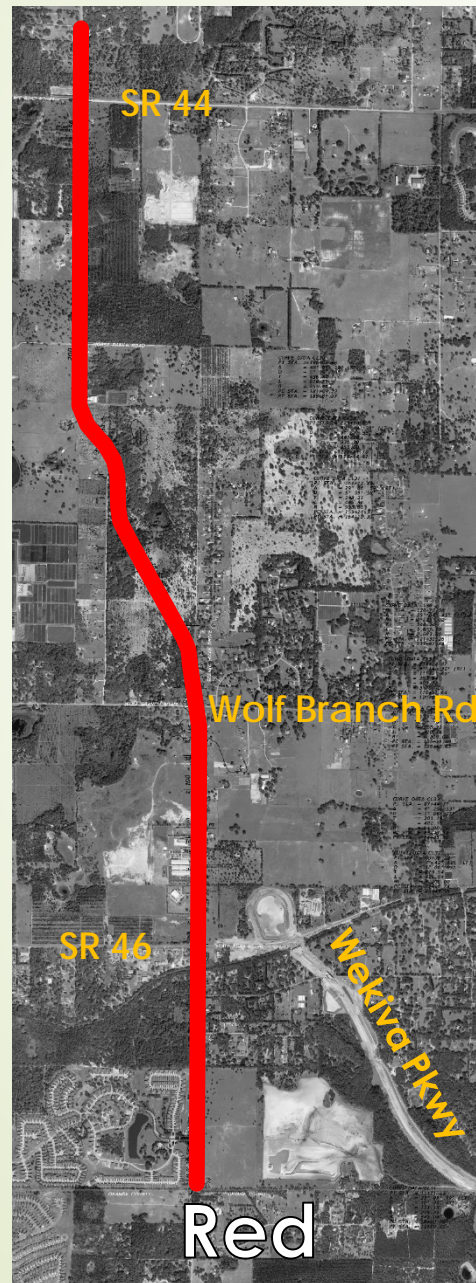
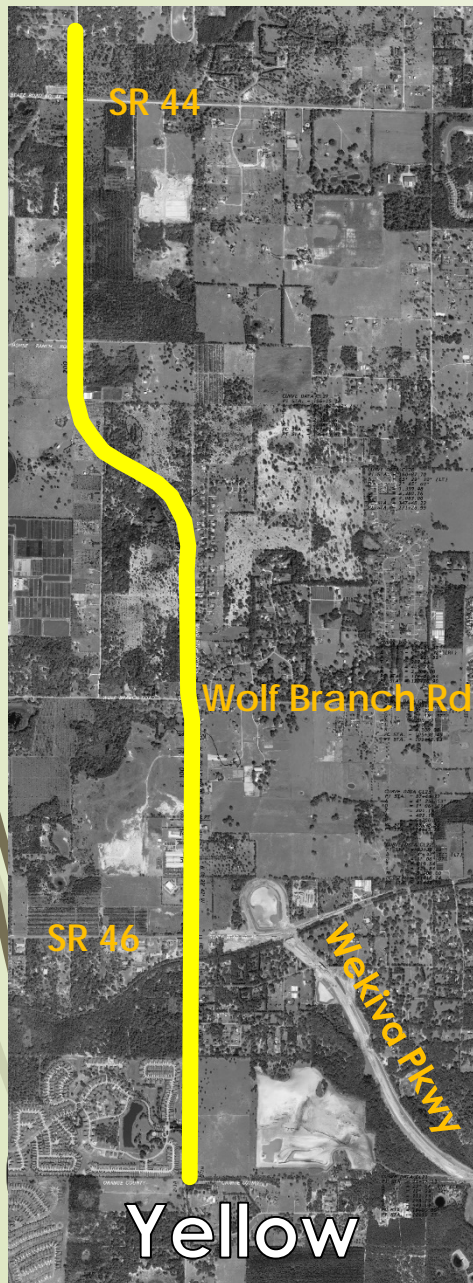
Wolf Branch Innovation District



Typical Section – 4 Lanes (proposed)



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)

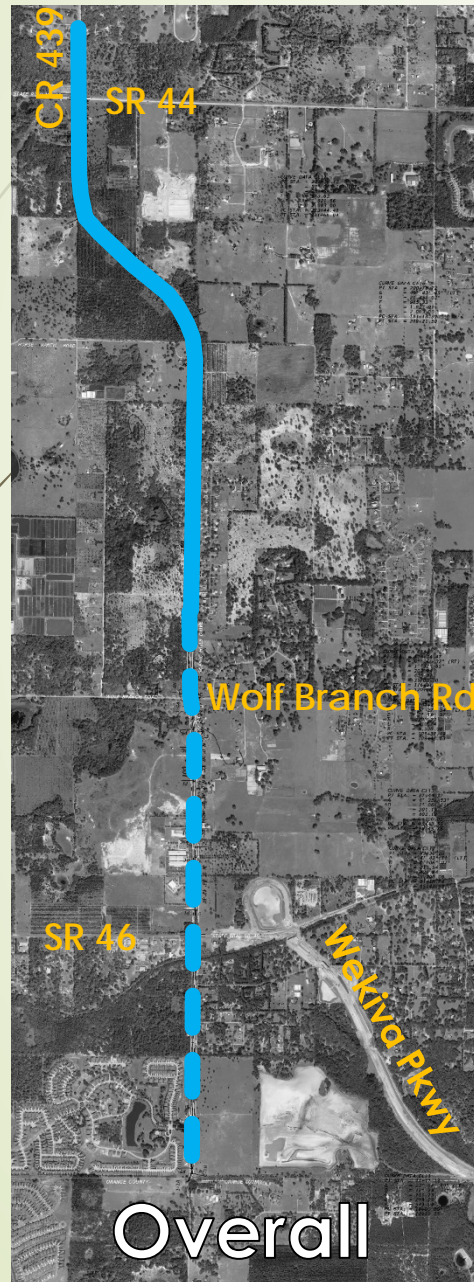
	Alternative				
	Yellow	Red	Blue	Green	Purple
Engineering & Environmental Relocations	3	4	2	5	1
ROW	2	2	1	4	5
Public Input	2	2	1	5	2
Total Construction Cost	3	3	2	1	3
Weighted Ranking Score*	4	1	3	2	5
Weighted Ranking Score*	3	2.5	2	3.08	3.26
Ranking (Overall)	3	2	1	4	5

* 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

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

RSQ Number: 17-0015

17



www.roundlakeroadstudy.com

