











# 2018 Service Volumes and LOS at Venice Avenue & Pinebrook Road Intersection



## Pinebrook (north)

Lanes: 2 of 4  
Service Vol: 1,264  
2018 LOS: D  
Historic GR: 4%  
Future GR: 2%

## Venice (west)

Lanes: 4 of 4  
Service Vol: 2,628  
2018 LOS: D  
Historic GR: 4%  
Future GR: 2%

## Venice (east)

Lanes: 4 of 4  
Service Vol: 2,774  
2018 LOS: D  
Historic GR: 4%  
Future GR: 3%

## Pinebrook (south)

Lanes: 2 of 4  
Service Vol: 1,330  
2018 LOS: F  
Historic GR: 3.11%  
Future GR: 1%

## Venice Avenue and Pinebrook Road Intersection Study

**Table 1 – 2018 Level of Service**

Road Segment			Attributes		Existing Traffic Conditions				Minimum Adopted Standards	
Roadway Name	Limits		# of Lanes	Segment Length	Traffic Counts		DHV	LOS	LOS	Service Volume
					Date	AADT				
Pinebrook Rd	Edmonson Rd	Venice Ave	2	1.60	09/2018	9,918	1,081	D	D	1,264
Pinebrook Rd	Venice Ave	Center Rd	2	1.48	09/2018	13,315	1,385	F	D	1,330
Venice Ave	Cherry St	Pinebrook Rd	4	0.25	07/2018	22,431	2,310	D	D	2,628
Venice Ave	Pinebrook Rd	Capri Isles Blvd	4	0.25	07/2018	21,229	2,187	D	D	2,774

**Table 2 – Projected LOS Values**

Road Segment			2018 Existing Traffic Conditions			Future Traffic Conditions: County Staff Study				Future Traffic Conditions: Consultant Study			
Roadway Name	Limits		# of Lanes	DHV	LOS	Year	Growth Rate	DHV	LOS	Year	Growth Rate	DHV	LOS
Pinebrook Rd	Edmonson Rd	Venice Ave	2	1,081	D	2024	4.00%	1,305	F	2026	2.00%	1,267	F
Pinebrook Rd	Venice Ave	Center Rd	2	1,385	F	2019	3.11%	1,428	F	2019	1.00%	1,399	F
Venice Ave	Cherry St	Pinebrook Rd	4	2,310	D	2023	4.00%	2,674	F	2028	2.00%	2,680	F
Venice Ave	Pinebrook Rd	Capri Isles Blvd	4	2,187	D	2026	4.00%	2,847	F	2028	3.00%	2,796	F



		FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29
<b>MPO Funding Cycle</b>	(July 1st - June 30th)										
Prioritize in Nov. 2019	Submit Project Dec. 2019							PD&E	Design	ROW	Construct
<b>Expected to be Funded FY24 (work program draft Nov. 2019)</b>											
Pinebrook Intersection - Venice & Ridgewood						PD&E	Design	ROW	Construct		
<b>Road/Mobility Impact Fees</b>	(Oct. 1st - Sept. 30th)										
\$400,000 Available FY22	Laurel Road? Pinebrook Rd?										
Prioritize in Nov. 2019	Submit Project to SC - Dec. 2019			PD&E	Design	ROW	Construct				

All phases dependent on Funding \$\$'s available. Larger projects will likely require duplicate years for phases.

All Impact Fees require both City and SC have in CIS and CIP plus BOCC must agree with Priority to Allocate Impact Fees.

<b>Based on Transportation Needs - Suggested Priority:</b>		FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29
<b>MPO Funding Cycle</b>	(July 1st - June 30th)										
Prioritize in Nov. 2019	Submit Project Dec. 2019										
Pinebrook Intersection - Venice & Ridgewood - Funded						PD&E	Design	ROW	Construct		
Harbor Drive Intersection								PD&E	Design	ROW	Construct
Adaptive Traffic Signals								Design	Construct		
Pinebrook Road Expansion - Venice Avenue to Edmondson									PD&E	Design	Construct

**Table 7A : Transportation - Roadway Improvements**

Project Ranking	Project Name	Project Description	Funding Source	Fiscal year 2020	Fiscal Year 2021	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Five Year Total
1	Pinebrook Road - Intersection Improvements at Venice Ave. and Ridgewood Intersections	Upgrade intersections to increase capacity and improve safety for vehicles, pedestrestrians and bicycles	Road Impact Fees / MPO Funding (plus \$7,850,00 in FY 25 & FY 26 -( Total Project \$8.3 Million)					\$750,000	\$750,000
NEW	Harbor Drive - Intersection Improvements at W. Venice Avenue	Upgrade to Traffic Circle and replace failing infrastructure & remove signal.	MPO Funding						\$0
2	US 41 Adaptive Traffic Signals	Upgrade signals - increase capcity and reduce congestion of the intersection on Business and Bypass 41	MPO Funding					\$600,000	\$600,000
3	Pinebrook Road - From Edmondson Road to Venice Avenue	Add two lanes	N/A						\$0
4	Laurel Road - From Knights Trail to Jacaranda Blvd.. Includes the intersections of: Knights Trail and Laurel Road and Laurel Road and Jacaranda Blvd.	1) Add two lanes 2) reconfigure/add capacity improvements for the Knights Trail and Laruel Road Intersection, and 3) signalize and reconfigure Laurel Road and Jacaranda Blvd. intersection)	Portions of the project are included in Development Traffic Studies (Portofino Project, The Bridges Project, Villa Paradiso, SJMR, and VICA/Milano)						\$0
5	Pinebrook Road - From Venice Avenue to Center Road	Add two lanes	N/A						
6	Ringling Drive S. - From Airport Ave. to US 41	Reconstruction and add new alignment / connection to US 41	N/A						\$0
7	Jacaranda Boulevard and Border Road	Install traffic signal at intersection of and restripe SB approach	N/A						\$0

**Table 7A : Transportation - Roadway Improvements**

Project Ranking	Project Name	Project Description	Funding Source	Fiscal year 2020	Fiscal Year 2021	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Five Year Total
8	Laurel Road at Jacaranda Boulevard	Construct EB right-turn lane	N/A						\$0
9	I-75 SB Ramps and Laurel Road Intersection	Construction of second SB left-turn lane to exclusive left turn lane and a shared through/right turn lane and increase cycle length from 110 seconds to 160 seconds.	N/A						\$0
10	Pinebrook Road at Laurel Road Intersection	Construction of second NB left-turn lane	N/A						\$0
11	Edmonson Road and Auburn Road Intersection	Safety Study for alignment and capacity analysis for intersection turning movements	N/A						\$0
12	Knights Trail Extension to 681 Interchange/Clark Road	Road extension and add I-75 interchange	N/A						
13	Knights Trail and Technology Drive Intersection	Install Traffic Signal	Toscana Isle Development (Traffic Study)						\$0
14	Knights Trail Rd & Discovery Way/Portofino Drive Intersection	Install Traffic Signal	Portofino Development (Traffic Study)						\$0
15	I-75 SB Ramps and Jacaranda Boulevard Intersection traffic signal	Signal Improvement - Install a SB left-turn protected/permitted phase	N/A						\$0



**Table 7A : Transportation - Roadway Improvements**

Project Ranking	Project Name	Project Description	Funding Source	Fiscal year 2020	Fiscal Year 2021	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Five Year Total
16	Laurel Road and Knights Trail Intersection (may be included as part of Priority #4)	Add 125' extension east bound turn lanes and Albee Farm Road 25' extension west bound left turn lane (based on traffic study for Portofino Development).	N/A		\$51,225				\$51,225
17	175 NB Ramps and Laurel Road Intersection	Increase Cycle length from 110 seconds to 160 seconds.	N/A						
Transportation - Roadway Improvements Totals				\$0	\$51,225	\$0	\$0	\$1,350,000	\$1,401,225

**COMPREHENSIVE PLAN: CAPITAL IMPROVEMENT SCHEDULE FISCAL YEARS 2019 - 2023**

**Table 7B : Transportation - Bicycle/Pedestrian/Transit Improvements**

Project Ranking	Project Name	Project Description	Funding Source	Fiscal year 2020	Fiscal Year 2021	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024	Five Year Total
1	Tarpon Center Road Upgrades (combined with Utilities Project)	Road Diet - convert two lane road to one lane with expanded bike lane	Gas Tax		\$50,000				\$50,000
2	ADA Improvements Sidewalks/Parks/Buildings	ADA Compliance Improvements	One-Cent Sales Tax	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
3	Sidewalk Replacement/Connectivity	Annual Connectivity Enhancement	One-Cent Sales Tax	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
4	Laurel Road Multiuse Trail	From Jacaranda Blvd. east to entrance to SJMR development	SJMR Developer						\$0
Transportation - Bicycle/Pedestrian/Transit Improvements Totals				\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000



**Table 9 : Long Range Capital Projects FY 2024 - FY2028**

Project Ranking	Project Name	Project Description	Funding Source	Fiscal year 2025	Fiscal Year 2026	Fiscal Year 2027	Fiscal Year 2028	Fiscal Year 2029	Five Year Total
<b>Transportation</b>									
1	Pinebrook Road - Intersection Improvements at Venice Ave. and Ridgewood Intersections	Construction Phase -Upgrade intersections to increase capacity and improve safety for vehicles, pedestrestrians and bicycles	Road Impact Fees / MPO Funding PD&E 2024/Future Design & Construction	\$1,800,000	\$6,050,000				\$7,850,000
2	Venice Avenue Bridge (Reconstruction/enhancement)	Study/evaluate options including expansion	N/A						\$0
3	Edmondson/Border Roads - From Pinebrook Road to beginning of four lane section of Border Road east of I-75)	Add two lanes	N/A						\$0
4	Laurel Road from I-75 SB Ramps to Knights Trail Road	Add two lanes	N/A						\$0
5	Knights Trail Extension to 681 Interchange	Extend Roadway	N/A						\$0
6	Laurel Road from Honore Ave. to I-75	Add two lanes	N/A						\$0