

TABLE C18.1a
Year 2017 Seminole County Travel Time & Delay Study
Lake Mary Boulevard/SR 415 (Part A) - Eastbound Direction Summary

Roadway Segment	Speed Limit (mph)	Distance (ft)	Traffic Control Device	Travel Time (sec)	Stop Delay (sec)	Roadway Class	Roadway Segment		Roadway Section		Roadway Summary	
							Average Speed		Average Speed		Avg. Speed (mph)	Avg. Fuel Consump.
							(mph)	LOS	(mph)	LOS		
AM PEAK HOUR - Part A												
Markham Woods Rd. to Heathrow Blvd.	45	3,485	Signal	65.4	3.6	I	36.3	B				
Heathrow Blvd. to International Pkwy.	45	1,003	Signal	58.8	29.4	I	11.6	F				
International Pkwy. to I-4 WB Ramps	45	845	Signal	19.2	0.6	I	30.0	C				
I-4 WB Ramps to I-4 EB Ramps	45	1,373	Signal	29.4	0.6	I	31.8	B	26.5	C		
I-4 EB Ramps to Lake Emma Rd.	45	1,162	Signal	24.0	0.0	I	33.0	B	33.0	B		
Lake Emma Rd. to Lake Mary Center	45	845	Signal	16.2	0.0	I	35.6	B				
Lake Mary Center to Sun Dr.	45	845	Signal	19.2	1.8	I	30.0	C				
Sun Dr. to Rinehart Rd.	45	1,690	Signal	28.8	0.0	I	40.0	B	35.9	B		
Rinehart Rd. to Forest Blvd.	45	1,584	Signal	27.6	0.0	I	39.1	B				
Forest Blvd. to Longwood-Lk. Mary Rd.	45	2,851	Signal	60.0	0.6	I	32.4	B	34.5	B		
Longwood-Lk. Mary Rd. to 4th St.	45	2,957	Signal	59.4	10.2	I	33.9	B				
Elem. School/4th St. to Country Club Rd.	45	634	Signal	67.2	36.6	I	6.4	F	19.3	D		
Country Club Rd. to Palmetto St.	45	1,478	Signal	37.8	3.0	I	26.7	C				
Palmetto St. to Sir Lawrence Dr.	45	1,848	Signal	42.0	3.0	I	30.0	C	28.4	C		
Sir Lawrence Dr. to College/Art Ln.	45	4,013	Signal	72.6	2.4	I	37.7	B				
College/Art Ln. to Hidden Lake Dr.	45	1,795	Signal	33.0	0.0	I	37.1	B	37.5	B		
Hidden Lake Dr. to Live Oak Blvd	45	898	Signal	17.4	0.0	I	35.2	B				
Live Oak Blvd to US-17/92	45	1,267	Signal	65.4	19.2	I	13.2	F	17.8	E		
US 17/92 to SR 417 SB Ramps	45	5,702	Signal	99.6	3.6	I	39.0	B				
SR 417 SB Ramps to SR 417 NB Ramps	45	475	Signal	16.2	4.8	I	20.0	D				
SR 417 NB Ramps to CR 427	45	1,109	Signal	87.6	58.8	I	8.6	F				
CR 427 to S. Sanford Ave.	45	370	Signal	9.6	2.4	I	26.2	C	24.5	C		
TOTAL		38,227		956.4	180.6						27.2	0.254 gal/veh
PM PEAK HOUR - Part A												
Markham Woods Rd. to Heathrow Blvd.	45	3,485	Signal	57.0	0.0	I	41.7	A				
Heathrow Blvd. to International Pkwy.	45	1,003	Signal	48.6	27.6	I	14.1	F				
International Pkwy. to I-4 WB Ramps	45	845	Signal	27.0	1.2	I	21.3	D				
I-4 WB Ramps to I-4 EB Ramps	45	1,373	Signal	27.0	0.0	I	34.7	B	28.6	C		
I-4 EB Ramps to Lake Emma Rd.	45	1,162	Signal	60.0	12.0	I	13.2	F	13.2	F		
Lake Emma Rd. to Lake Mary Center	45	845	Signal	16.8	0.0	I	34.3	B				
Lake Mary Center to Sun Dr.	45	845	Signal	31.8	15.6	I	18.1	D				
Sun Dr. to Rinehart Rd.	45	1,690	Signal	50.4	0.6	I	22.9	D	23.3	C		
Rinehart Rd. to Forest Blvd.	45	1,584	Signal	28.2	0.0	I	38.3	B				
Forest Blvd. to Longwood-Lk. Mary Rd.	45	2,851	Signal	115.2	33.0	I	16.9	E	21.1	D		
Longwood-Lk. Mary Rd. to 4th St.	45	2,957	Signal	125.4	46.8	I	16.1	E				
Elem. School/4th St. to Country Club Rd.	45	634	Signal	41.4	11.4	I	10.4	F	14.7	F		
Country Club Rd. to Palmetto St.	45	1,478	Signal	39.6	1.8	I	25.5	C				
Palmetto St. to Sir Lawrence Dr.	45	1,848	Signal	31.8	0.0	I	39.6	B	31.8	B		
Sir Lawrence Dr. to College/Art Ln.	45	4,013	Signal	73.8	3.6	I	37.1	B				
College/Art Ln. to Hidden Lake Dr.	45	1,795	Signal	30.0	0.0	I	40.8	A	38.1	B		
Hidden Lake Dr. to Live Oak Blvd	45	898	Signal	19.8	0.0	I	30.9	C				
Live Oak Blvd to US-17/92	45	1,267	Signal	72.6	34.2	I	11.9	F	16.0	E		
US 17/92 to SR 417 SB Ramps	45	5,702	Signal	102.6	6.0	I	37.9	B				
SR 417 SB Ramps to SR 417 NB Ramps	45	475	Signal	15.0	4.2	I	21.6	D				
SR 417 NB Ramps to CR 427	45	1,109	Signal	81.6	33.6	I	9.3	F				
CR 427 to S. Sanford Ave.	45	370	Signal	6.0	0.0	I	42.0	A	25.4	C		
TOTAL		38,227		1101.6	231.6						23.7	0.257 gal/veh

TABLE C18.2a
Year 2017 Seminole County Travel Time & Delay Study
Lake Mary Boulevard/SR 415 (Part A) - Westbound Direction Summary

Roadway Segment	Speed Limit (mph)	Distance (ft)	Traffic Control Device	Travel Time (sec)	Stop Delay (sec)	Roadway Class	Roadway Segment		Roadway Section		Roadway Summary	
							Average Speed		Average Speed		Avg. Speed (mph)	Avg. Fuel Consump.
							(mph)	LOS	(mph)	LOS		
AM PEAK HOUR - Part A												
S. Sanford Ave to CR 427	45	370	Signal	66.6	28.2	I	3.8	F				
CR 427 to SR 417 NB Ramps	45	1,109	Signal	19.8	0.0	I	38.2	B				
SR 417 NB Ramps to SR 417 SB Ramps	45	475	Signal	7.8	0.0	I	41.5	A				
SR 417 SB Ramps to US 17/92	45	5,702	Signal	184.8	62.4	I	21.0	D	18.7	D		
US-17/92 to Live Oak Blvd	45	1,267	Signal	23.4	0.0	I	36.9	B				
Live Oak Blvd to Hidden Lake Dr.	45	898	Signal	15.6	0.0	I	39.2	B	37.8	B		
Hidden Lake Dr. to Art/College Ln.	45	1,795	Signal	29.4	0.0	I	41.6	A				
Art/College Ln. to Sir Lawrence Dr.	45	4,013	Signal	64.8	0.0	I	42.2	A	42.0	A		
Sir Lawrence Dr. to Palmetto St.	45	1,848	Signal	57.6	16.8	I	21.9	D				
Palmetto St. to Country Club Rd.	45	1,478	Signal	106.8	63.6	I	9.4	F	13.8	F		
Country Club Rd. to 4th St.	45	634	Signal	19.8	4.2	I	21.8	D				
4th St. to Longwood-Lk. Mary Rd.	45	2,957	Signal	61.8	6.6	I	32.6	B	30.0	C		
Longwood-Lk.Mary Rd. to Forest Blvd.	45	2,851	Signal	46.2	0.0	I	42.1	A				
Forest Blvd. to Rinehart Rd.	45	1,584	Signal	32.4	0.6	I	33.3	B	38.5	B		
Rinehart Rd. to Sun Dr.	45	1,690	Signal	30.0	0.0	I	38.4	B				
Sun Dr. to Lake Mary Center	45	845	Signal	43.8	16.2	I	13.2	F				
Lake Mary Center to Lake Emma Rd	45	845	Signal	63.6	22.2	I	9.1	F	16.8	E		
Lake Emma Rd. to I-4 EB Ramps	45	1,162	Signal	19.8	0.0	I	40.0	B	40.0	B		
I-4 EB Ramps to I-4 WB Ramps	45	1,373	Signal	47.4	7.2	I	19.7	D				
I-4 WB Ramps to International Pkwy.	45	845	Signal	27.6	3.6	I	20.9	D				
International Pkwy. to Heathrow Blvd.	45	1,003	Signal	28.2	6.0	I	24.3	C				
Heathrow Blvd. to Markham Woods Rd.	45	3,485	Signal	115.2	40.2	I	20.6	D	20.9	D		
TOTAL		38,227		1112.4	277.8						23.4	0.254 gal/veh
PM PEAK HOUR - Part A												
S. Sanford Ave to CR 427	45	370	Signal	52.2	39.0	I	4.8	F				
CR 427 to SR 417 NB Ramps	45	1,109	Signal	28.2	7.8	I	26.8	C				
SR 417 NB Ramps to SR 417 SB Ramps	45	475	Signal	8.4	0.0	I	38.6	B				
SR 417 SB Ramps to US 17/92	45	5,702	Signal	160.8	55.2	I	24.2	C	20.9	D		
US-17/92 to Live Oak Blvd	45	1,267	Signal	23.4	0.0	I	36.9	B				
Live Oak Blvd to Hidden Lake Dr.	45	898	Signal	15.6	0.0	I	39.2	B	37.8	B		
Hidden Lake Dr. to Art/College Ln.	45	1,795	Signal	36.6	6.0	I	33.4	B				
Art/College Ln. to Sir Lawrence Dr.	45	4,013	Signal	69.0	3.6	I	39.7	B	37.5	B		
Sir Lawrence Dr. to Palmetto St.	45	1,848	Signal	30.0	0.0	I	42.0	A				
Palmetto St. to Country Club Rd.	45	1,478	Signal	130.2	53.4	I	7.7	F	14.2	F		
Country Club Rd. to 4th St.	45	634	Signal	15.6	1.2	I	27.7	C				
4th St. to Longwood-Lk. Mary Rd.	45	2,957	Signal	60.0	3.6	I	33.6	B	32.4	B		
Longwood-Lk.Mary Rd. to Forest Blvd.	45	2,851	Signal	53.4	3.0	I	36.4	B				
Forest Blvd. to Rinehart Rd.	45	1,584	Signal	51.6	10.8	I	20.9	D	28.8	C		
Rinehart Rd. to Sun Dr.	45	1,690	Signal	86.4	37.8	I	13.3	F				
Sun Dr. to Lake Mary Center	45	845	Signal	24.0	3.6	I	24.0	C				
Lake Mary Center to Lake Emma Rd	45	845	Signal	87.6	45.6	I	6.6	F	11.6	F		
Lake Emma Rd. to I-4 EB Ramps	45	1,162	Signal	19.2	0.0	I	41.2	A	41.2	A		
I-4 EB Ramps to I-4 WB Ramps	45	1,373	Signal	22.8	0.0	I	41.1	A				
I-4 WB Ramps to International Pkwy.	45	845	Signal	25.8	3.6	I	22.3	D				
International Pkwy. to Heathrow Blvd.	45	1,003	Signal	21.6	0.0	I	31.7	B				
Heathrow Blvd. to Markham Woods Rd.	45	3,485	Signal	90.6	24.6	I	26.2	C	28.4	C		
TOTAL		38,227		1113.0	298.8						23.4	0.253 gal/veh