

TABLE C18.1a
Year 2015 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	60.0	2.4	II	39.6	A				
Heathrow Blvd. to International Pkwy.	45	1,003	Signal	34.2	10.8	II	20.0	D				
International Pkwy. to I-4 WB Ramps	45	845	Signal	20.4	2.4	II	28.2	B				
I-4 WB Ramps to I-4 EB Ramps	45	1,373	Signal	36.0	4.8	II	26.0	C	30.4	B		
I-4 EB Ramps to Lake Emma Rd.	45	1,162	Signal	68.4	21.0	II	11.6	F	11.6	F		
Lake Emma Rd. to Lake Mary Center	45	845	Signal	15.0	0.0	II	38.4	A				
Lake Mary Center to Sun Dr.	45	845	Signal	32.4	12.0	II	17.8	D				
Sun Dr. to Rinehart Rd.	45	1,690	Signal	48.0	7.8	II	24.0	C	24.2	C		
Rinehart Rd. to Forest Blvd.	45	1,584	Signal	30.6	0.0	II	35.3	A				
Forest Blvd. to Longwood-Lk. Mary Rd.	45	2,851	Signal	114.6	54.6	II	17.0	E	20.8	D		
Longwood-Lk. Mary Rd. to 4th St.	45	2,957	Signal	50.4	0.0	II	40.0	A				
Elem. School/4th St. to Country Club Rd.	45	634	Signal	15.6	2.4	II	27.7	C	37.1	A		
Country Club Rd. to Sir Lawrence Dr.	45	3,326	Signal	65.4	3.6	II	34.7	B	34.7	B		
Sir Lawrence Dr. to College/Art Ln.	45	4,013	Signal	76.8	7.8	II	35.6	A				
College/Art Ln. to Hidden Lake Dr.	45	1,795	Signal	37.8	3.0	II	32.4	B	34.6	B		
Hidden Lake Dr. to Live Oak Blvd	45	898	Signal	16.8	0.0	II	36.4	A				
Live Oak Blvd to US-17/92	45	1,267	Signal	104.4	61.8	II	8.3	F	12.2	F		
US 17/92 to SR 417 SB Ramps	45	5,702	Signal	92.4	0.0	II	42.1	A				
SR 417 SB Ramps to SR 417 NB Ramps	45	475	Signal	15.0	4.8	II	21.6	D				
SR 417 NB Ramps to CR 427	45	1,109	Signal	47.4	1.2	II	15.9	E				
CR 427 to S. Sanford Ave.	45	370	Stop	5.4	0.0	II	46.7	A	32.6	B		
TOTAL		38,227		987.0	200.4						26.4	0.254 gal/veh
PM PEAK HOUR - Part A												
Markham Woods Rd. to Heathrow Blvd.	45	3,485	Signal	60.0	0.0	II	39.6	A				
Heathrow Blvd. to International Pkwy.	45	1,003	Signal	67.2	39.6	II	10.2	F				
International Pkwy. to I-4 WB Ramps	45	845	Signal	15.0	0.0	II	38.4	A				
I-4 WB Ramps to I-4 EB Ramps	45	1,373	Signal	30.0	7.2	II	31.2	B	26.5	C		
I-4 EB Ramps to Lake Emma Rd.	45	1,162	Signal	59.4	36.0	II	13.3	E	13.3	E		
Lake Emma Rd. to Lake Mary Center	45	845	Signal	41.4	24.6	II	13.9	E				
Lake Mary Center to Sun Dr.	45	845	Signal	21.6	2.4	II	26.7	C				
Sun Dr. to Rinehart Rd.	45	1,690	Signal	72.6	10.8	II	15.9	E	17.0	E		
Rinehart Rd. to Forest Blvd.	45	1,584	Signal	40.2	6.0	II	26.9	C				
Forest Blvd. to Longwood-Lk. Mary Rd.	45	2,851	Signal	69.6	11.4	II	27.9	C	27.5	C		
Longwood-Lk. Mary Rd. to 4th St.	45	2,957	Signal	121.2	56.4	II	16.6	E				
Elem. School/4th St. to Country Club Rd.	45	634	Signal	17.4	3.0	II	24.8	C	17.7	D		
Country Club Rd. to Sir Lawrence Dr.	45	3,326	Signal	60.0	0.0	II	37.8	A	37.8	A		
Sir Lawrence Dr. to College/Art Ln.	45	4,013	Signal	67.2	0.6	II	40.7	A				
College/Art Ln. to Hidden Lake Dr.	45	1,795	Signal	32.4	0.6	II	37.8	A	39.8	A		
Hidden Lake Dr. to Live Oak Blvd	45	898	Signal	16.8	0.0	II	36.4	A				
Live Oak Blvd to US-17/92	45	1,267	Signal	34.8	7.2	II	24.8	C	28.6	B		
US 17/92 to SR 417 SB Ramps	45	5,702	Signal	99.6	6.0	II	39.0	A				
SR 417 SB Ramps to SR 417 NB Ramps	45	475	Signal	21.0	4.8	II	15.4	E				
SR 417 NB Ramps to CR 427	45	1,109	Signal	96.6	30.6	II	7.8	F				
CR 427 to S. Sanford Ave.	45	370	Stop	6.0	0.0	II	42.0	A	23.4	C		
TOTAL		38,227		1050.0	247.2						24.8	0.255 gal/veh

TABLE C18.2a
Year 2015 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	63.0	36.6	II	4.0	F				
CR 427 to SR 417 NB Ramps	45	1,109	Signal	18.6	0.0	II	40.6	A				
SR 417 NB Ramps to SR 417 SB Ramps	45	475	Signal	7.2	0.0	II	45.0	A				
SR 417 SB Ramps to US 17/92	45	5,702	Signal	162.6	31.8	II	23.9	C	20.8	D		
US-17/92 to Live Oak Blvd	45	1,267	Signal	21.0	0.0	II	41.1	A				
Live Oak Blvd to Hidden Lake Dr.	45	898	Signal	13.8	0.0	II	44.3	A	42.4	A		
Hidden Lake Dr. to Art/College Ln.	45	1,795	Signal	27.0	0.0	II	45.3	A				
Art/College Ln. to Sir Lawrence Dr.	45	4,013	Signal	61.2	0.0	II	44.7	A	44.9	A		
Sir Lawrence Dr. to Country Club Rd.	45	3,326	Signal	87.0	13.2	II	26.1	C	26.1	C		
Country Club Rd. to 4th St.	45	634	Signal	10.8	0.0	II	40.0	A				
4th St. to Longwood-Lk. Mary Rd.	45	2,957	Signal	76.2	22.2	II	26.5	C	28.1	B		
Longwood-Lk.Mary Rd. to Forest Blvd.	45	2,851	Signal	52.2	4.2	II	37.2	A				
Forest Blvd. to Rinehart Rd.	45	1,584	Signal	77.4	27.6	II	14.0	E	23.3	C		
Rinehart Rd. to Sun Dr.	45	1,690	Signal	39.0	0.0	II	29.5	B				
Sun Dr. to Lake Mary Center	45	845	Signal	31.8	10.2	II	18.1	D				
Lake Mary Center to Lake Emma Rd	45	845	Signal	46.2	3.0	II	12.5	F	19.7	D		
Lake Emma Rd. to I-4 EB Ramps	45	1,162	Signal	30.0	6.0	II	26.4	C	26.4	C		
I-4 EB Ramps to I-4 WB Ramps	45	1,373	Signal	37.8	6.6	II	24.8	C				
I-4 WB Ramps to International Pkwy.	45	845	Signal	15.0	0.0	II	38.4	A				
International Pkwy. to Heathrow Blvd.	45	1,003	Signal	17.4	0.0	II	39.3	A				
Heathrow Blvd. to Markham Woods Rd.	45	3,485	Signal	83.4	15.0	II	28.5	B	29.8	B		
TOTAL		38,227		978.6	176.4						26.6	0.252 gal/veh
PM PEAK HOUR - Part A												
S. Sanford Ave to CR 427	45	370	Signal	82.8	41.4	II	3.0	F				
CR 427 to SR 417 NB Ramps	45	1,109	Signal	18.0	0.0	II	42.0	A				
SR 417 NB Ramps to SR 417 SB Ramps	45	475	Signal	7.2	0.0	II	45.0	A				
SR 417 SB Ramps to US 17/92	45	5,702	Signal	183.0	45.0	II	21.2	D	17.9	D		
US-17/92 to Live Oak Blvd	45	1,267	Signal	37.2	8.4	II	23.2	C				
Live Oak Blvd to Hidden Lake Dr.	45	898	Signal	17.4	0.0	II	35.2	A	27.0	C		
Hidden Lake Dr. to Art/College Ln.	45	1,795	Signal	30.6	0.0	II	40.0	A				
Art/College Ln. to Sir Lawrence Dr.	45	4,013	Signal	63.0	0.0	II	43.4	A	42.3	A		
Sir Lawrence Dr. to Country Club Rd.	45	3,326	Signal	150.6	76.2	II	15.1	E	15.1	E		
Country Club Rd. to 4th St.	45	634	Signal	12.6	0.0	II	34.3	B				
4th St. to Longwood-Lk. Mary Rd.	45	2,957	Signal	103.2	21.6	II	19.5	D	21.1	D		
Longwood-Lk.Mary Rd. to Forest Blvd.	45	2,851	Signal	57.6	3.6	II	33.7	B				
Forest Blvd. to Rinehart Rd.	45	1,584	Signal	64.8	28.2	II	16.7	E	24.7	C		
Rinehart Rd. to Sun Dr.	45	1,690	Signal	28.8	0.0	II	40.0	A				
Sun Dr. to Lake Mary Center	45	845	Signal	35.4	16.8	II	16.3	E				
Lake Mary Center to Lake Emma Rd	45	845	Signal	87.6	37.8	II	6.6	F	15.2	E		
Lake Emma Rd. to I-4 EB Ramps	45	1,162	Signal	18.6	0.0	II	42.6	A	42.6	A		
I-4 EB Ramps to I-4 WB Ramps	45	1,373	Signal	26.4	1.8	II	35.5	A				
I-4 WB Ramps to International Pkwy.	45	845	Signal	34.8	0.6	II	16.6	E				
International Pkwy. to Heathrow Blvd.	45	1,003	Signal	27.6	5.4	II	24.8	C				
Heathrow Blvd. to Markham Woods Rd.	45	3,485	Signal	101.4	20.4	II	23.4	C	24.0	C		
TOTAL		38,227		1188.6	307.2						21.9	0.255 gal/veh