

TABLE C18.1a
Year 2008 Seminole County Travel Time & Delay Study
Lake Mary Boulevard/SR 415 - Eastbound Direction Summary

Roadway Segment	Speed Limit	Distance (ft)	Traffic Control Device	Travel Time (sec)	Stop Delay (sec)	Roadway Class	Roadway Segment		Roadway Section		Roadway Summary	
	(mph)						Average Speed (mph)	LOS	Average Speed (mph)	LOS	Avg. Speed (mph)	Avg. Fuel Consump.
AM PEAK HOUR												
Markham Woods Rd. to Heathrow Blvd.	45	3,523	Signal	61.3	7.5	II	39.2	A				
Heathrow Blvd. to International Pkwy.	45	1,032	Signal	28.3	12.3	II	24.8	C				
International Pkwy. to I-4 WB Ramps	45	852	Signal	17.8	4.5	II	32.6	B				
I-4 WB Ramps to I-4 EB Ramps	45	1,392	Signal	66.0	44.7	II	14.4	E	26.7	C		
I-4 EB Ramps to Lake Emma Rd.	45	1,108	Signal	45.5	28.5	II	16.6	E	16.6	E		
Lake Emma Rd. to Lake Mary Center	45	929	Signal	17.2	2.7	II	36.9	A				
Lake Mary Center to Sun Dr.	45	788	Signal	12.7	0.5	II	42.4	A				
Sun Dr. to Rinehart Rd.	45	1,662	Signal	28.3	3.2	II	40.0	A	39.6	A		
Rinehart Rd. to Forest Blvd.	45	1,616	Signal	25.8	1.2	II	42.6	A				
Forest Blvd. to Longwood-Lk. Mary Rd.	45	2,788	Signal	45.8	4.5	II	41.5	A	41.9	A		
Longwood-Lk. Mary Rd. to 4th St.	45	3,018	Signal	58.0	12.3	II	35.5	A				
Elem. School/4th St. to Country Club Rd.	45	644	Signal	29.8	19.8	II	14.7	E	28.4	B		
Country Club Rd. to Sir Lawrence Dr.	45	3,368	Signal	61.0	9.8	II	37.6	A	37.6	A		
Sir Lawrence Dr. to College/Art Ln.	45	4,009	Signal	67.3	6.2	II	40.6	A				
College/Art Ln. to Hidden Lake Dr.	45	1,825	Signal	32.2	3.8	II	38.7	A	40.0	A		
Hidden Lake Dr. to Live Oak Blvd	45	865	Signal	13.8	0.5	II	42.6	A				
Live Oak Blvd to US-17/92	45	1,188	Signal	79.3	61.2	II	10.2	F	15.0	E		
US 17/92 to SR 417 SB Ramps	45	5,761	Signal	101.3	14.3	II	38.8	A				
SR 417 SB Ramps to SR 417 NB Ramps	45	464	Signal	11.2	4.0	II	28.3	B				
SR 417 NB Ramps to CR 427	45	1,076	Signal	93.3	76.7	II	7.9	F				
CR 427 to Sanford Ave.	45	478	Stop	10.0	2.3	II	32.6	B	24.6	C		
Sanford Ave. to Red Cleveland Blvd.	40	7,485	Signal	103.3	0.0	II	49.4	A				
Red Cleveland Blvd. to Beardall Ave	45	6,335	Stop	80.8	0.0	II	53.4	A				
Beardall Ave to Moores Station Rd.	45	8,476	Stop	105.5	0.0	II	54.8	A				
Moores Station Rd. to SR 46/415	45	4,394	Signal	101.5	35.8	II	29.5	B	46.5	A		
SR 46/415 to Celery Ave.	45	4,379	Stop	70.2	4.5	II	42.6	A				
Celery Ave. to Volusia County line	45	205	Stop	2.8	0.0	II	49.3	A	42.8	A		
TOTAL		69,660		1,370.3	360.8						34.6	0.7 gal/veh
PM PEAK HOUR												
Markham Woods Rd. to Heathrow Blvd.	45	3,531	Signal	60.4	6.4	II	39.9	A				
Heathrow Blvd. to International Pkwy.	45	1,002	Signal	51.9	36.4	II	13.2	E				
International Pkwy. to I-4 WB Ramps	45	843	Signal	14.6	1.5	II	39.3	A				
I-4 WB Ramps to I-4 EB Ramps	45	1,414	Signal	39.6	18.0	II	24.3	C	27.8	C		
I-4 EB Ramps to Lake Emma Rd.	45	1,084	Signal	40.9	24.1	II	18.1	D	18.1	D		
Lake Emma Rd. to Lake Mary Center	45	930	Signal	18.4	3.9	II	34.5	B				
Lake Mary Center to Sun Dr.	45	814	Signal	19.5	6.8	II	28.5	B				
Sun Dr. to Rinehart Rd.	45	1,662	Signal	107.3	81.8	II	10.6	F	16.0	E		
Rinehart Rd. to Forest Blvd.	45	1,602	Signal	28.9	4.1	II	37.8	A				
Forest Blvd. to Longwood-Lk. Mary Rd.	45	2,786	Signal	65.6	23.0	II	28.9	B	31.7	B		
Longwood-Lk. Mary Rd. to 4th St.	45	3,017	Signal	59.1	13.0	II	34.8	B				
Elem. School/4th St. to Country Club Rd.	45	649	Signal	59.3	49.1	II	7.5	F	21.1	D		
Country Club Rd. to Sir Lawrence Dr.	45	3,392	Signal	62.8	11.5	II	36.9	A	36.9	A		
Sir Lawrence Dr. to College/Art Ln.	45	3,965	Signal	83.6	23.3	II	32.3	B				
College/Art Ln. to Hidden Lake Dr.	45	1,847	Signal	35.1	6.6	II	35.9	A	33.4	B		
Hidden Lake Dr. to Live Oak Blvd	45	855	Signal	17.3	3.9	II	33.8	B				
Live Oak Blvd to US-17/92	45	1,183	Signal	54.9	36.6	II	14.7	E	19.3	D		
US 17/92 to SR 417 SB Ramps	45	5,772	Signal	94.9	6.9	II	41.5	A				
SR 417 SB Ramps to SR 417 NB Ramps	45	443	Signal	11.1	4.3	II	27.1	C				
SR 417 NB Ramps to CR 427	45	1,085	Signal	96.8	80.0	II	7.6	F				
CR 427 to Sanford Ave.	45	484	Stop	28.0	20.4	II	11.8	F	23.0	C		
Sanford Ave. to Red Cleveland Blvd.	40	7,496	Signal	106.5	0.0	II	48.0	A				
Red Cleveland Blvd. to Beardall Ave	45	6,513	Stop	83.6	0.0	II	53.1	A				
Beardall Ave to Moores Station Rd.	45	8,168	Stop	102.5	0.0	II	54.3	A				
Moores Station Rd. to SR 46/415	45	4,518	Signal	195.4	128.0	II	15.8	E	37.3	A		
SR 46/415 to Celery Ave.	45	4,371	Stop	66.5	0.8	II	44.8	A				
Celery Ave. to Volusia County line	45	219	Stop	2.6	0.0	II	56.9	A	45.3	A		
TOTAL		69,645		1,606.9	590.1						29.5	0.74 gal/veh

TABLE C18.1b
Year 2008 Seminole County Travel Time & Delay Study
SR 415/Lake Mary Boulevard - 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												
Volusia County Line to Celery Ave.	45	2,947	Stop	53.6	9.6	II	37.5	A				
Celery Ave. to SR 46/415	45	4,242	Signal	138.4	76.8	II	20.9	D	25.5	C		
SR 46/415 to Moores Station Rd.	45	5,389	Stop	74.3	0.0	II	49.5	A				
Moores Station Rd. to Beardall Ave.	45	8,620	Stop	109.8	0.0	II	53.6	A				
Beardall Ave. to Red Cleveland Blvd.	45	5,089	Signal	67.4	0.0	II	51.5	A				
Red Cleveland Blvd. to Sanford Ave.	40	7,672	Stop	124.6	10.6	II	42.0	A	48.5	A		
Sanford Ave to CR 427	45	260	Signal	26.6	22.3	II	6.7	F				
CR 427 to SR 417 NB Ramps	45	1,199	Signal	27.8	9.1	II	29.5	B				
SR 417 NB Ramps to SR 417 SB Ramps	45	434	Signal	12.9	6.3	II	23.0	C				
SR 417 SB Ramps to US 17/92	45	5,674	Signal	161.1	75.3	II	24.0	C	22.6	C		
US-17/92 to Live Oak Blvd	45	1,293	Signal	48.1	28.3	II	18.3	D				
Live Oak Blvd to Hidden Lake Dr.	45	886	Signal	23.6	10.1	II	25.6	C	20.7	D		
Hidden Lake Dr. to Art/College Ln.	45	1,829	Signal	39.5	11.8	II	31.6	B				
Art/College Ln. to Sir Lawrence Dr.	45	4,013	Signal	62.1	2.0	II	44.0	A	39.2	A		
Sir Lawrence Dr. to Country Club Rd.	45	3,359	Signal	147.5	96.3	II	15.5	E	15.5	E		
Country Club Rd. to 4th St.	45	669	Signal	12.5	1.6	II	36.5	A				
4th St. to Longwood-Lk. Mary Rd.	45	2,956	Signal	50.6	5.6	II	39.8	A	39.2	A		
Longwood-Lk.Mary Rd. to Forest Blvd.	45	2,833	Signal	46.0	3.6	II	42.0	A				
Forest Blvd. to Rinehart Rd.	45	1,558	Signal	37.8	14.8	II	28.1	B	35.7	A		
Rinehart Rd. to Sun Dr.	45	1,714	Signal	38.1	12.6	II	30.7	B				
Sun Dr. to Lake Mary Center	45	814	Signal	36.8	24.3	II	15.1	E				
Lake Mary Center to Lake Emma Rd	45	866	Signal	28.3	14.8	II	20.9	D	22.4	C		
Lake Emma Rd. to I-4 EB Ramps	45	1,168	Signal	24.9	6.6	II	32.0	B	32.0	B		
I-4 EB Ramps to I-4 WB Ramps	45	1,394	Signal	59.1	37.9	II	16.1	E				
I-4 WB Ramps to International Pkwy.	45	792	Signal	28.1	16.3	II	19.2	D				
International Pkwy. to Heathrow Blvd.	45	1,024	Signal	20.5	4.9	II	34.1	B				
Heathrow Blvd. to Markham Woods Rd.	45	3,436	Signal	97.8	46.0	II	24.0	C	22.0	C		
TOTAL		72,130		1,597.6	547.1						29.4	0.75gal/veh
PM PEAK HOUR												
Volusia County Line to Celery Ave.	45	2,931	Stop	42.7	0.0	II	46.8	A				
Celery Ave. to SR 46/415	45	4,245	Signal	97.0	36.0	II	29.8	B	35.0	A		
SR 46/415 to Moores Station Rd.	45	8,513	Stop	114.3	0.0	II	50.8	A				
Moores Station Rd. to Beardall Ave.	45	6,389	Stop	82.5	0.0	II	52.8	A				
Beardall Ave. to Red Cleveland Blvd.	45	4,200	Signal	55.8	0.0	II	51.3	A				
Red Cleveland Blvd. to Sanford Ave.	40	7,644	Stop	111.0	0.7	II	47.0	A	50.1	A		
Sanford Ave to CR 427	45	262	Signal	54.2	50.2	II	3.3	F				
CR 427 to SR 417 NB Ramps	45	1,184	Signal	50.2	32.2	II	16.1	E				
SR 417 NB Ramps to SR 417 SB Ramps	45	468	Signal	10.0	2.5	II	31.9	B				
SR 417 SB Ramps to US 17/92	45	5,663	Signal	175.0	89.0	II	22.1	C	17.9	D		
US-17/92 to Live Oak Blvd	45	1,301	Signal	32.8	12.8	II	27.0	C				
Live Oak Blvd to Hidden Lake Dr.	45	887	Signal	20.2	6.3	II	30.0	B	28.1	B		
Hidden Lake Dr. to Art/College Ln.	45	1,809	Signal	47.7	20.0	II	25.9	C				
Art/College Ln. to Sir Lawrence Dr.	45	4,013	Signal	67.2	6.0	II	40.7	A	34.6	B		
Sir Lawrence Dr. to Country Club Rd.	45	3,354	Signal	138.2	86.8	II	16.6	E	16.6	E		
Country Club Rd. to 4th St.	45	669	Signal	12.0	1.7	II	38.0	A				
4th St. to Longwood-Lk. Mary Rd.	45	2,948	Signal	59.2	14.7	II	34.0	B	34.7	B		
Longwood-Lk.Mary Rd. to Forest Blvd.	45	2,806	Signal	49.0	6.2	II	39.0	A				
Forest Blvd. to Rinehart Rd.	45	1,578	Signal	82.5	58.3	II	13.0	E	22.7	C		
Rinehart Rd. to Sun Dr.	45	1,718	Signal	40.2	14.0	II	29.2	B				
Sun Dr. to Lake Mary Center	45	820	Signal	61.7	49.3	II	9.1	F				
Lake Mary Center to Lake Emma Rd	45	876	Signal	29.2	15.7	II	20.5	D	17.8	D		
Lake Emma Rd. to I-4 EB Ramps	45	1,161	Signal	19.3	1.3	II	40.9	A	40.9	A		
I-4 EB Ramps to I-4 WB Ramps	45	1,390	Signal	54.8	33.5	II	17.3	D				
I-4 WB Ramps to International Pkwy.	45	787	Signal	17.0	4.7	II	31.6	B				
International Pkwy. to Heathrow Blvd.	45	1,021	Signal	16.5	0.7	II	42.2	A				
Heathrow Blvd. to Markham Woods Rd.	45	3,431	Signal	71.3	19.3	II	32.8	B	28.3	B		
TOTAL		72,068		1,611.3	561.8						30.5	0.76 gal/veh