

TABLE C7.1a
Year 2008 Seminole County Travel Time & Delay Study
CR 427 - Northbound Direction Summary

Roadway Segment	Speed	Distance (ft)	Traffic Control Device	Travel Time (sec)	Stop Delay (sec)	Roadway Class	Roadway Segment		Roadway Section		Roadway Summary	
	Limit (mph)						Average Speed		Average Speed		Avg. Speed (mph)	Avg. Fuel Consump.
							(mph)	LOS	(mph)	LOS		
AM PEAK HOUR												
SR 436 to First Street	40	1,991	Stop	36.7	6.0	II	37.0	A				
First Street to Magnolia/Plumosa	40	3,444	Signal	57.8	6.7	II	40.6	A				
Magnolia/Plumosa to North Street	40	3,208	Signal	71.2	22.2	II	30.7	B	35.6	A		
North St. to Dog Track Rd.	35	615	Signal	20.8	11.3	II	20.1	D	20.1	D		
Dog Track Rd. to Wildmere Ave.	40	2,764	Stop	53.3	10.8	II	35.3	A				
Wildmere Ave. to SR 434	40	1,935	Signal	107.5	78.0	II	12.3	F	19.9	D		
SR 434 to Church Ave.	35	1,131	Signal	31.0	13.5	II	24.9	C				
Church Ave. to Longwood Hills Rd.	40/30	4,930	Signal	104.7	29.7	II	32.1	B	30.5	B		
Longwood Hills Rd. to Longwood Lk.Mary Rd.	40	3,068	Signal	64.0	17.0	II	32.7	B	32.7	B		
Longwood Lk.Mary Rd. to General Hutchison Rd.	40	597	Signal	12.0	2.7	II	33.9	B				
General Hutchison Rd. to Country Club Rd.	45	5,319	Signal	81.7	3.2	II	44.4	A	43.1	A		
Country Club Rd to Silkwood Court	45	3,636	Signal	62.2	8.5	II	39.9	A				
Silkwood Court to U.S. 17-92	45	1,419	Signal	96.3	74.3	II	10.0	F	21.7	D		
U.S. 17-92 to County Home Rd	45	4,545	Stop	71.0	2.0	II	43.6	A	43.6	A		
County Home Rd to Bedford Rd	45	7,833	Stop	110.3	0.0	II	48.4	A				
Bedford Rd to SR 417 (SB Ramps)	45	3,286	Signal	55.7	7.2	II	40.2	A				
SR 417 (SB Ramps) to SR 417 (NB Ramps)	45	440	Signal	16.8	9.8	II	17.8	D				
SR 417 (NB Ramps) to Lake Mary Blvd	45	1,144	Signal	32.2	15.0	II	24.2	C	40.3	A		
TOTAL		51,305		1,085.2	317.8						32.2	0.5 gal/veh
PM PEAK HOUR												
SR 436 to First Street	40	1,915	Stop	34.0	4.5	II	38.4	A				
First Street to Magnolia/Plumosa	40	3,423	Signal	59.2	7.2	II	39.4	A				
Magnolia/Plumosa to North Street	40	3,215	Signal	95.0	46.0	II	23.1	C	31.0	B		
North St. to Dog Track Rd.	35	627	Signal	20.8	10.8	II	20.5	D	20.5	D		
Dog Track Rd. to Wildmere Ave.	40	2,739	Stop	49.2	7.2	II	38.0	A				
Wildmere Ave. to SR 434	40	1,940	Signal	112.0	82.2	II	11.8	F	19.8	D		
SR 434 to Church Ave.	35	1,133	Signal	36.0	18.3	II	21.5	D				
Church Ave. to Longwood Hills Rd.	40/30	4,911	Signal	85.8	11.3	II	39.0	A	33.8	B		
Longwood Hills Rd. to Longwood Lk.Mary Rd.	40	3,086	Signal	52.2	6.0	II	40.3	A	40.3	A		
Longwood Lk.Mary Rd. to General Hutchison Rd.	40	571	Signal	11.7	2.8	II	33.4	B				
General Hutchison Rd. to Country Club Rd.	45	5,329	Signal	82.2	4.8	II	44.2	A	42.9	A		
Country Club Rd to Silkwood Court	45	3,651	Signal	67.2	12.8	II	37.1	A				
Silkwood Court to U.S. 17-92	45	1,399	Signal	111.3	89.8	II	8.6	F	19.3	D		
U.S. 17-92 to County Home Rd	45	4,547	Stop	78.8	11.7	II	39.3	A	39.3	A		
County Home Rd to Bedford Rd	45	7,817	Stop	110.0	0.2	II	48.5	A				
Bedford Rd to SR 417 (SB Ramps)	45	3,296	Signal	74.5	25.7	II	30.2	B				
SR 417 (SB Ramps) to SR 417 (NB Ramps)	45	454	Signal	10.2	2.8	II	30.4	B				
SR 417 (NB Ramps) to Lake Mary Blvd	45	1,106	Signal	29.8	14.2	II	25.3	C	38.5	A		
TOTAL		51,159		1,119.8	358.3						31.1	0.51 gal/veh

TABLE C7.1b
Year 2008 Seminole County Travel Time & Delay Study
CR 427 - Southbound 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												
Lake Mary Blvd to SR 417 (NB Ramps)	45	1,288	Signal	37.7	17.7	II	23.3	C				
SR 417 (NB Ramps) to SR 417 (SB Ramps)	45	469	Signal	12.0	4.7	II	26.6	C				
SR 417 (SB Ramps) to Bedford Rd	45	3,400	Stop	54.0	2.5	II	42.9	A				
Bedford Rd to County Home Rd	45	7,813	Stop	110.2	1.5	II	48.4	A	41.4	A		
County Home Rd to U.S. 17-92	45	4,254	Signal	103.5	38.5	II	28.0	B	28.0	B		
U.S. 17-92 to Silkwood Court	45	1,587	Signal	46.3	22.3	II	23.4	C				
Silkwood Court to Country Club Rd	45	3,647	Signal	66.2	12.2	II	37.6	A	31.7	B		
Country Club Rd. to General Hutchison	45	5,327	Signal	96.5	16.7	II	37.6	A				
General Hutchison to Longwood Lk.Mary Rd.	40	580	Signal	31.5	22.3	II	12.6	F	31.5	B		
Longwood Lk.Mary Rd. to Longwood Hills Rd.	40	3,123	Signal	89.5	41.7	II	23.8	C	23.8	C		
Longwood Hills Rd. to Church Ave.	40/30	4,972	Signal	109.7	34.0	II	30.9	B				
Church Ave. to SR 434	35	1,063	Signal	166.0	150.0	II	4.4	F	14.9	E		
SR 434 to Wildmere Ave	40	2,096	Stop	62.3	30.3	II	22.9	C				
Wildmere Ave to Dogtrack Rd	40	2,635	Signal	52.8	12.7	II	34.0	B	28.0	B		
Dogtrack Rd to North St	35	607	Signal	16.3	7.0	II	25.3	C	25.3	C		
North St. to Magnolia/Plumosa	40	3,175	Signal	57.7	9.2	II	37.5	A				
Magnolia/Plumosa to First St.	40	3,592	Stop	55.2	1.7	II	44.4	A				
First St. to S.R. 436	40	1,762	Signal	83.7	57.0	II	14.4	E	29.6	B		
TOTAL		51,390		1,251.0	481.8						28.0	0.54 gal/veh
PM PEAK HOUR												
Lake Mary Blvd to SR 417 (NB Ramps)	45	1,133	Signal	41.5	23.7	II	18.6	D				
SR 417 (NB Ramps) to SR 417 (SB Ramps)	45	483	Signal	8.8	1.2	II	37.3	A				
SR 417 (SB Ramps) to Bedford Rd	45	3,437	Stop	49.3	0.3	II	47.5	A				
Bedford Rd to County Home Rd	45	7,746	Stop	108.3	0.0	II	48.7	A	42.0	A		
County Home Rd to U.S. 17-92	45	4,260	Signal	107.0	42.2	II	27.1	C	27.1	C		
U.S. 17-92 to Silkwood Court	45	1,595	Signal	55.2	30.5	II	19.7	D				
Silkwood Court to Country Club Rd	45	3,641	Signal	66.3	12.2	II	37.4	A	29.4	B		
Country Club Rd. to General Hutchison	45	5,316	Signal	119.5	38.5	II	30.3	B				
General Hutchison to Longwood Lk.Mary Rd.	40	594	Signal	37.3	28.0	II	10.8	F	25.7	C		
Longwood Lk.Mary Rd. to Longwood Hills Rd.	40	3,106	Signal	78.2	31.5	II	27.1	C	27.1	C		
Longwood Hills Rd. to Church Ave.	40/30	4,978	Signal	105.7	30.2	II	32.1	B				
Church Ave. to SR 434	35	1,070	Signal	77.3	60.8	II	9.4	F	22.5	C		
SR 434 to Wildmere Ave	40	2,066	Stop	56.7	24.7	II	24.9	C				
Wildmere Ave to Dogtrack Rd	40	2,652	Signal	46.0	6.0	II	39.3	A	31.3	B		
Dogtrack Rd to North St	35	601	Signal	22.2	12.8	II	18.5	D	18.5	D		
North St. to Magnolia/Plumosa	40	3,175	Signal	65.7	17.3	II	33.0	B				
Magnolia/Plumosa to First St.	40	3,581	Stop	56.2	2.7	II	43.5	A				
First St. to S.R. 436	40	1,797	Signal	72.5	46.5	II	16.9	E	30.0	B		
TOTAL		51,231		1,173.7	409.0						29.8	0.53 gal/veh