

TABLE C7.1a
Year 2015 Seminole County Travel Time & Delay Study
CR 427 (Ronald Regan Boulevard) - Northbound 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	Avg. Fuel
							(mph)	LOS	(mph)	LOS	(mph)	Consump.
AM PEAK HOUR												
Ballard St. to Orienta Ave.	35	2,851	Stop	55.2	0.0	III	35.2	A	35.2	A		
Orienta Ave. to SR 436	35	739	Stop	59.4	15.0	III	8.5	F	8.5	F		
SR 436 to First St.	40	1,901	Stop	33.0	0.0	II	39.3	A				
First St. to Magnolia/Plumosa Ave.	40	3,485	Signal	68.4	9.6	II	34.7	B				
Magnolia/Plumosa Ave. to North St.	40	3,221	Signal	54.6	0.0	II	40.2	A	37.6	A		
North St. to Dog Track Rd.	40	581	Signal	42.6	10.8	II	9.3	F	9.3	F		
Dog Track Rd. to Wildmere Ave.	40	2,693	Stop	48.6	0.0	II	37.8	A				
Wildmere Ave. to SR 434	40/30	2,006	Signal	138.6	82.8	II	9.9	F	17.1	D		
SR 434 to Church Ave.	35	1,109	Signal	37.8	5.4	II	20.0	D				
Church Ave. to Longwood Hills Rd.	35/45	4,963	Signal	87.6	8.4	II	38.6	A	33.0	B		
Longwood Hills Rd. to Longwood Lake Mary Rd.	45	3,115	Signal	60.0	3.6	II	35.4	A	35.4	A		
Longwood Lake Mary Rd. to General Hutchison Rd.	45	528	Signal	17.4	1.2	II	20.7	D				
General Hutchison Rd. to Country Club Rd.	45	5,386	Signal	80.4	0.0	II	45.7	A	41.2	A		
Country Club Rd. to Silkwood Ct.	45	3,643	Signal	55.8	0.6	II	44.5	A				
Silkwood Ct. to US 17/92	45	1,531	Signal	103.2	69.0	II	10.1	F	22.2	C		
US 17/92 to County Home Rd.	45	4,435	Stop	70.8	0.0	II	42.7	A	42.7	A		
County Home Rd. to Bedford Rd.	45	7,867	Stop	118.2	1.2	II	45.4	A				
Bedford Rd. to SR 417 (SB Ramps)	45	3,274	Signal	93.0	39.0	II	24.0	C				
SR 417 (SB Ramps) to SR 417 (NB Ramps)	45	475	Signal	10.8	0.0	II	30.0	B				
SR 417 (NB Ramps) to Lake Mary Blvd.	45	1,267	Signal	115.2	36.0	II	7.5	F	26.0	C		
TOTAL		55,070		1,350.6	282.6						27.8	0.358 gal/veh
PM PEAK HOUR												
Ballard St. to Orienta Ave.	35	2,851	Stop	56.4	0.0	III	34.5	A	34.5	A		
Orienta Ave. to SR 436	35	739	Stop	135.0	86.4	III	3.7	F	3.7	F		
SR 436 to First St.	40	1,901	Stop	33.0	0.0	II	39.3	A				
First St. to Magnolia/Plumosa Ave.	40	3,485	Signal	70.2	9.6	II	33.8	B				
Magnolia/Plumosa Ave. to North St.	40	3,221	Signal	90.6	23.4	II	24.2	C	30.3	B		
North St. to Dog Track Rd.	40	581	Signal	54.6	25.2	II	7.3	F	7.3	F		
Dog Track Rd. to Wildmere Ave.	40	2,693	Stop	50.4	4.2	II	36.4	A				
Wildmere Ave. to SR 434	40/30	2,006	Signal	216.6	141.6	II	6.3	F	12.0	F		
SR 434 to Church Ave.	35	1,109	Signal	45.6	17.4	II	16.6	E				
Church Ave. to Longwood Hills Rd.	35/45	4,963	Signal	89.4	4.8	II	37.9	A	30.7	B		
Longwood Hills Rd. to Longwood Lake Mary Rd.	45	3,115	Signal	59.4	0.0	II	35.8	A	35.8	A		
Longwood Lake Mary Rd. to General Hutchison Rd.	45	528	Signal	15.6	4.8	II	23.1	C				
General Hutchison Rd. to Country Club Rd.	45	5,386	Signal	85.2	3.6	II	43.1	A	40.0	A		
Country Club Rd. to Silkwood Ct.	45	3,643	Signal	56.4	1.2	II	44.0	A				
Silkwood Ct. to US 17/92	45	1,531	Signal	79.2	29.4	II	13.2	E	26.0	C		
US 17/92 to County Home Rd.	45	4,435	Stop	69.0	0.0	II	43.8	A	43.8	A		
County Home Rd. to Bedford Rd.	45	7,867	Stop	117.6	0.0	II	45.6	A				
Bedford Rd. to SR 417 (SB Ramps)	45	3,274	Signal	59.4	4.8	II	37.6	A				
SR 417 (SB Ramps) to SR 417 (NB Ramps)	45	475	Signal	10.8	0.0	II	30.0	B				
SR 417 (NB Ramps) to Lake Mary Blvd.	45	1,267	Signal	61.2	33.0	II	14.1	E	35.3	A		
TOTAL		55,070		1,455.6	389.4						25.8	0.360 gal/veh

TABLE C7.1b
Year 2015 Seminole County Travel Time & Delay Study
CR 427 (Ronald Regan Boulevard) - 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	1,267	Signal	22.8	0.0	II	37.9	A				
SR 417 (NB Ramps) to SR 417 (SB Ramps)	45	475	Signal	7.8	0.0	II	41.5	A				
SR 417 (SB Ramps) to Bedford Rd.	45	3,274	Stop	50.4	0.0	II	44.3	A				
Bedford Rd. to County Home Rd.	45	7,867	Stop	116.4	0.0	II	46.1	A	44.5	A		
County Home Rd. to US 17/92	45	4,435	Signal	107.4	18.6	II	28.2	B	28.2	B		
US 17-92 to Silkwood Ct.	45	1,531	Signal	32.4	1.8	II	32.2	B				
Silkwood Ct. to Country Club Rd.	45	3,643	Signal	55.2	0.0	II	45.0	A	40.3	A		
Country Club Rd. to General Hutchison	45	5,386	Signal	91.2	0.0	II	40.3	A				
General Hutchison to Longwood Lake Mary Rd.	45	528	Signal	12.6	0.6	II	28.6	B	38.8	A		
Longwood Lake Mary Rd. to Longwood Hills Rd.	45	3,115	Signal	99.6	31.8	II	21.3	D	21.3	D		
Longwood Hills Rd. to Church Ave.	35/45	4,963	Signal	100.8	10.8	II	33.6	B				
Church Ave. to SR 434	35	1,109	Signal	118.8	73.2	II	6.4	F	18.9	D		
SR 434 to Wildmere Ave.	40	2,006	Stop	35.4	0.0	II	38.6	A				
Wildmere Ave. to Dog Track Rd.	40	2,693	Signal	69.6	13.2	II	26.4	C	30.5	B		
Dog Track Rd. to North St.	40	581	Signal	21.6	4.2	II	18.3	D	18.3	D		
North St. to Magnolia/Plumosa Ave.	40	3,221	Signal	69.6	6.0	II	31.6	B				
Magnolia/Plumosa Ave. to First St.	40	3,485	Stop	59.4	0.0	II	40.0	A				
First St. to SR 436	40	1,901	Signal	151.8	87.0	II	8.5	F	20.9	D		
SR 436 to Orienta Ave.	35	739	Stop	17.4	0.0	III	29.0	B	29.0	B		
Orienta Ave. to Ballard St.	35	2,851	Stop	74.4	12.0	III	26.1	B	26.1	B		
TOTAL		55,070		1,314.6	259.2						28.6	0.360 gal/veh
PM PEAK HOUR												
Lake Mary Blvd. to SR 417 (NB Ramps)	45	1,267	Signal	22.2	0.0	II	38.9	A				
SR 417 (NB Ramps) to SR 417 (SB Ramps)	45	475	Signal	7.8	0.0	II	41.5	A				
SR 417 (SB Ramps) to Bedford Rd.	45	3,274	Stop	50.4	0.0	II	44.3	A				
Bedford Rd. to County Home Rd.	45	7,867	Stop	114.6	0.0	II	46.8	A	45.0	A		
County Home Rd. to US 17/92	45	4,435	Signal	132.6	17.4	II	22.8	C	22.8	C		
US 17-92 to Silkwood Ct.	45	1,531	Signal	42.6	9.0	II	24.5	C				
Silkwood Ct. to Country Club Rd.	45	3,643	Signal	79.8	15.0	II	31.1	B	28.8	B		
Country Club Rd. to General Hutchison	45	5,386	Signal	104.4	10.2	II	35.2	A				
General Hutchison to Longwood Lake Mary Rd.	45	528	Signal	29.4	14.4	II	12.2	F	30.1	B		
Longwood Lake Mary Rd. to Longwood Hills Rd.	45	3,115	Signal	94.2	13.2	II	22.5	C	22.5	C		
Longwood Hills Rd. to Church Ave.	35/45	4,963	Signal	112.2	18.6	II	30.2	B				
Church Ave. to SR 434	35	1,109	Signal	130.2	91.2	II	5.8	F	17.1	D		
SR 434 to Wildmere Ave.	40	2,006	Stop	37.8	0.0	II	36.2	A				
Wildmere Ave. to Dog Track Rd.	40	2,693	Signal	55.2	4.2	II	33.3	B	34.5	B		
Dog Track Rd. to North St.	40	581	Signal	38.4	18.6	II	10.3	F	10.3	F		
North St. to Magnolia/Plumosa Ave.	40	3,221	Signal	77.4	13.2	II	28.4	B				
Magnolia/Plumosa Ave. to First St.	40	3,485	Stop	60.6	0.0	II	39.2	A				
First St. to SR 436	40	1,901	Signal	159.6	100.8	II	8.1	F	19.7	D		
SR 436 to Orienta Ave.	35	739	Stop	17.4	0.0	III	29.0	B	29.0	B		
Orienta Ave. to Ballard St.	35	2,851	Stop	81.6	21.6	III	23.8	C	23.8	C		
TOTAL		55,070		1,448.4	347.4						25.9	0.363 gal/veh