

**TABLE C7.1a**  
**Year 2017 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 (mph)	Avg. Fuel Consump.
							(mph)	LOS	(mph)	LOS		
<b>AM PEAK HOUR</b>												
Ballard St. to Orienta Ave.	35	2,851	SS Stop	60.6	0.0	II	32.1	A	32.1	A		
Orienta Ave. to SR 436	35	739	Signal	71.4	21.6	II	7.1	F	7.1	F		
SR 436 to 1st St./Merritt St.	40	1,901	SS Stop	33.0	0.0	I	39.3	B				
1st St./Merritt St. to Magnolia/Plumosa Ave.	40	3,485	Signal	67.8	7.8	I	35.0	B				
Magnolia/Plumosa Ave. to North St.	40	3,221	Signal	66.0	9.0	I	33.3	B	35.2	B		
North St. to Dog Track Rd.	40	581	Signal	33.0	6.6	I	12.0	F	12.0	F		
Dog Track Rd. to Wildmere Ave.	40	2,693	SS Stop	47.4	0.0	I	38.7	B				
Wildmere Ave. to SR 434	40	2,006	Signal	123.0	39.6	I	11.1	F	18.8	D		
SR 434 to Church Ave.	35	1,109	Signal	35.4	7.2	II	21.4	C				
Church Ave. to Longwood Hills Rd.	35	4,963	Signal	92.4	4.2	II	36.6	A	32.4	A		
Longwood Hills Rd. to Longwood Lake Mary Rd.	40	3,115	Signal	69.0	12.6	I	30.8	C	30.8	C		
Longwood Lake Mary Rd. to General Hutchison Pkwy.	45	528	Signal	12.0	0.6	I	30.0	C				
General Hutchison Pkwy. to Crystal Creek Dr.	45	3,274	SS Stop	49.8	0.0	I	44.8	A				
Crystal Creek Dr. to Country Club Rd.	45	2,059	Signal	32.4	0.0	I	43.3	A	42.4	A		
Country Club Rd. to Silkwood Ct.	45	3,643	Signal	55.8	0.0	I	44.5	A				
Silkwood Ct. to US 17/92	45	1,531	Signal	120.6	27.0	I	8.7	F	20.0	D		
US 17/92 to County Home Rd.	45	4,435	SS Stop	69.6	0.0	I	43.4	A	43.4	A		
County Home Rd. to Sunland Dr.	45	4,013	SS Stop	60.0	0.0	I	45.6	A				
Sunland Dr. to Bedford Rd.	45	3,854	SS Stop	58.8	0.0	I	44.7	A				
Bedford Rd. to SR 417 (SB Ramps)	45	3,274	Signal	67.8	14.4	I	32.9	B				
SR 417 (SB Ramps) to SR 417 (NB Ramps)	45	475	Signal	9.0	0.0	I	36.0	B				
SR 417 (NB Ramps) to Lake Mary Blvd.	45	1,267	Signal	81.0	32.4	I	10.7	F	31.8	B		
<b>TOTAL</b>		55,018		1,315.8	183.0						28.5	0.359 gal/veh
<b>PM PEAK HOUR</b>												
Ballard St. to Orienta Ave.	35	2,851	SS Stop	58.2	0.0	II	33.4	A	33.4	A		
Orienta Ave. to SR 436	35	739	Signal	105.6	37.8	II	4.8	F	4.8	F		
SR 436 to 1st St./Merritt St.	40	1,901	SS Stop	33.6	0.0	I	38.6	B				
1st St./Merritt St. to Magnolia/Plumosa Ave.	40	3,485	Signal	86.4	22.8	I	27.5	C				
Magnolia/Plumosa Ave. to North St.	40	3,221	Signal	116.4	35.4	I	18.9	D	24.8	C		
North St. to Dog Track Rd.	40	581	Signal	25.8	8.4	I	15.3	E	15.3	E		
Dog Track Rd. to Wildmere Ave.	40	2,693	SS Stop	49.8	0.0	I	36.9	B				
Wildmere Ave. to SR 434	40	2,006	Signal	192.6	85.8	I	7.1	F	13.2	F		
SR 434 to Church Ave.	35	1,109	Signal	88.2	57.0	II	8.6	F				
Church Ave. to Longwood Hills Rd.	35	4,963	Signal	105.6	18.6	II	32.0	A	21.4	C		
Longwood Hills Rd. to Longwood Lake Mary Rd.	40	3,115	Signal	57.6	2.4	I	36.9	B	36.9	B		
Longwood Lake Mary Rd. to General Hutchison Pkwy.	45	528	Signal	21.6	0.0	I	16.7	E				
General Hutchison Pkwy. to Crystal Creek Dr.	45	3,274	SS Stop	51.0	0.0	I	43.8	A				
Crystal Creek Dr. to Country Club Rd.	45	2,059	Signal	31.2	0.0	I	45.0	A	38.5	B		
Country Club Rd. to Silkwood Ct.	45	3,643	Signal	58.2	1.2	I	42.7	A				
Silkwood Ct. to US 17/92	45	1,531	Signal	131.4	73.2	I	7.9	F	18.6	D		
US 17/92 to County Home Rd.	45	4,435	SS Stop	70.2	0.0	I	43.1	A	43.1	A		
County Home Rd. to Sunland Dr.	45	4,013	SS Stop	60.6	0.0	I	45.1	A				
Sunland Dr. to Bedford Rd.	45	3,854	SS Stop	57.6	0.0	I	45.6	A				
Bedford Rd. to SR 417 (SB Ramps)	45	3,274	Signal	64.8	10.8	I	34.4	B				
SR 417 (SB Ramps) to SR 417 (NB Ramps)	45	475	Signal	21.6	0.6	I	15.0	F				
SR 417 (NB Ramps) to Lake Mary Blvd.	45	1,267	Signal	96.0	46.2	I	9.0	F	29.2	C		
<b>TOTAL</b>		55,018		1,584.0	400.2						23.7	0.363 gal/veh

**TABLE C7.1b**  
**Year 2017 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		
<b>AM PEAK HOUR</b>												
Lake Mary Blvd. to SR 417 (NB Ramps)	45	1,267	Signal	49.2	19.2	I	17.6	E				
SR 417 (NB Ramps) to SR 417 (SB Ramps)	45	475	Signal	9.0	0.0	I	36.0	B				
SR 417 (SB Ramps) to Bedford Rd.	45	3,274	SS Stop	51.0	0.0	I	43.8	A				
Bedford Rd. to Sunland Dr.	45	3,854	SS Stop	58.2	0.0	I	45.2	A				
Sunland Dr. to County Home Rd.	45	4,013	SS Stop	61.2	0.0	I	44.7	A	38.4	B		
County Home Rd. to US 17/92	45	4,435	Signal	166.2	65.4	I	18.2	D	18.2	D		
US 17-92 to Silkwood Ct.	45	1,531	Signal	33.0	4.2	I	31.6	B				
Silkwood Ct. to Country Club Rd.	45	3,643	Signal	66.0	4.2	I	37.6	B	35.6	B		
Country Club Rd. to Crystal Creek Dr.	45	2,059	SS Stop	31.8	0.0	I	44.1	A				
Crystal Creek Dr. to General Hutchison Pkwy.	45	3,326	Signal	66.6	1.2	I	34.1	B				
General Hutchison Pkwy. to Longwood Lake Mary Rd.	45	528	Signal	13.2	1.8	I	27.3	C	36.1	B		
Longwood Lake Mary Rd. to Longwood Hills Rd.	45	3,115	Signal	80.4	10.2	I	26.4	C	26.4	C		
Longwood Hills Rd. to Church Ave.	45	4,963	Signal	187.2	67.2	I	18.1	D				
Church Ave. to SR 434	35	1,109	Signal	166.8	42.0	II	4.5	F	11.7	E		
SR 434 to Wildmere Ave.	40	2,006	SS Stop	36.0	0.0	I	38.0	B				
Wildmere Ave. to Dog Track Rd.	40	2,693	Signal	56.4	5.4	I	32.6	B	34.7	B		
Dog Track Rd. to North St.	40	581	Signal	20.4	1.8	I	19.4	D	19.4	D		
North St. to Magnolia/Plumosa Ave.	40	3,221	Signal	65.4	1.2	I	33.6	B				
Magnolia/Plumosa Ave. to 1st St./Merritt St.	40	3,485	SS Stop	59.4	0.0	I	40.0	B				
1st St./Merritt St. to SR 436	40	1,901	Signal	108.6	42.6	I	11.9	F	25.1	C		
SR 436 to Orienta Ave.	35	739	SS Stop	24.6	5.4	II	20.5	C	20.5	C		
Orienta Ave. to Ballard St.	35	2,851	ML Stop	76.8	9.0	II	25.3	B	25.3	B		
<b>TOTAL</b>		55,070		1,487.4	280.8						25.2	0.366 gal/veh
<b>PM PEAK HOUR</b>												
Lake Mary Blvd. to SR 417 (NB Ramps)	45	1,267	Signal	23.4	0.0	I	36.9	B				
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 Bedford Rd.	45	3,274	SS Stop	50.4	0.0	I	44.3	A				
Bedford Rd. to Sunland Dr.	45	3,854	SS Stop	57.0	0.0	I	46.1	A				
Sunland Dr. to County Home Rd.	45	4,013	SS Stop	59.4	0.0	I	46.1	A	44.2	A		
County Home Rd. to US 17/92	45	4,435	Signal	142.2	7.2	I	21.3	D	21.3	D		
US 17-92 to Silkwood Ct.	45	1,531	Signal	38.4	4.8	I	27.2	C				
Silkwood Ct. to Country Club Rd.	45	3,643	Signal	82.2	7.2	I	30.2	C	29.3	C		
Country Club Rd. to Crystal Creek Dr.	45	2,059	SS Stop	32.4	0.0	I	43.3	A				
Crystal Creek Dr. to General Hutchison Pkwy.	45	3,326	Signal	67.8	9.6	I	33.5	B				
General Hutchison Pkwy. to Longwood Lake Mary Rd.	45	528	Signal	43.2	18.6	I	8.3	F	28.1	C		
Longwood Lake Mary Rd. to Longwood Hills Rd.	45	3,115	Signal	59.4	3.0	I	35.8	B	35.8	B		
Longwood Hills Rd. to Church Ave.	45	4,963	Signal	147.0	25.2	I	23.0	C				
Church Ave. to SR 434	35	1,109	Signal	139.8	66.0	II	5.4	F	14.4	D		
SR 434 to Wildmere Ave.	40	2,006	SS Stop	36.6	0.0	I	37.4	B				
Wildmere Ave. to Dog Track Rd.	40	2,693	Signal	63.6	7.8	I	28.9	C	32.0	B		
Dog Track Rd. to North St.	40	581	Signal	21.0	6.0	I	18.9	D	18.9	D		
North St. to Magnolia/Plumosa Ave.	40	3,221	Signal	61.8	2.4	I	35.5	B				
Magnolia/Plumosa Ave. to 1st St./Merritt St.	40	3,485	SS Stop	59.4	0.0	I	40.0	B				
1st St./Merritt St. to SR 436	40	1,901	Signal	148.8	82.8	I	8.7	F	21.7	D		
SR 436 to Orienta Ave.	35	739	SS Stop	16.8	0.0	II	30.0	A	30.0	A		
Orienta Ave. to Ballard St.	35	2,851	ML Stop	75.0	14.4	II	25.9	B	25.9	B		
<b>TOTAL</b>		55,070		1,434.0	255.0						26.2	0.362 gal/veh