

**TABLE C26.1a**  
**Year 2017 Seminole County Travel Time & Delay Study**  
**Red Bug Lake Road - 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		
<b>AM PEAK HOUR</b>												
SR 436 to Winter Park Dr.	45	211	Signal	6.0	0.0	I	24.0	C				
Winter Park Dr. to Fire Station	45	634	Signal	11.4	0.0	I	37.9	B				
Fire Station to Mark David Blvd.	45	1,267	SS Stop	19.2	0.0	I	45.0	A				
Mark David Blvd. to Eagle Cir.	45	1,320	Signal	28.2	6.0	I	31.9	B	36.1	B		
Eagle Cir. to Jericho Dr.	45	5,544	SS Stop	84.0	0.0	I	45.0	A				
Jericho Dr. to Merivale Dr.	45	1,373	Signal	22.8	1.2	I	41.1	A				
Merivale Dr. to Nodding Pines Way	45	2,218	Signal	37.8	2.4	I	40.0	B				
Nodding Pines Way to Dodd Rd.	45	1,478	Signal	80.4	29.4	I	12.5	F	32.2	B		
Dodd Rd. to Willa Springs Center	45	2,059	SS Stop	34.8	0.0	I	40.3	A				
Willa Springs Center to Plaza Entrance	45	1,003	Signal	18.6	0.0	I	36.8	B				
Plaza Entrance to Tuskawilla Rd.	45	528	Signal	48.6	34.8	I	7.4	F	24.0	C		
Tuskawilla Rd. to Red Willow Plaza	45	475	Signal	7.8	0.0	I	41.5	A				
Red Willow Plaza to Rising Sun Blvd.	45	2,693	Signal	48.0	4.8	I	38.2	B				
Rising Sun Blvd. to S. Citrus Rd.	45	1,373	Signal	24.0	0.0	I	39.0	B				
S. Citrus Rd. to Mikler Rd.	45	1,267	Signal	28.2	2.4	I	30.6	C				
Mikler Rd. to Slavia Rd.	45	1,690	Signal	40.2	9.6	I	28.7	C	34.5	B		
Slavia Rd. to Dovera Dr.	45	3,168	Signal	54.0	3.0	I	40.0	B				
Dovera Dr. to Oviedo Market Pl.	45	1,109	Signal	17.4	0.0	I	43.4	A				
Oviedo Market Pl. to SR 417 (W. Ramps)	45	1,267	Signal	22.2	0.6	I	38.9	B				
SR 417 (W. Ramps) to SR 417 (E. Ramps)	45	845	Signal	23.4	6.0	I	24.6	C	37.2	B		
SR 417 (E. Ramps) to SR 426	45	1,637	Signal	82.2	44.4	I	13.6	F	13.6	F		
<b>TOTAL</b>		33,158		739.2	144.6						30.6	0.216 gal/veh
<b>PM PEAK HOUR</b>												
SR 436 to Winter Park Dr.	45	211	Signal	5.4	0.0	I	26.7	C				
Winter Park Dr. to Fire Station	45	634	Signal	11.4	0.0	I	37.9	B				
Fire Station to Mark David Blvd.	45	1,267	SS Stop	19.2	0.0	I	45.0	A				
Mark David Blvd. to Eagle Cir.	45	1,320	Signal	27.0	3.6	I	33.3	B	37.1	B		
Eagle Cir. to Jericho Dr.	45	5,544	SS Stop	85.2	0.0	I	44.4	A				
Jericho Dr. to Merivale Dr.	45	1,373	Signal	32.4	5.4	I	28.9	C				
Merivale Dr. to Nodding Pines Way	45	2,218	Signal	49.8	8.4	I	30.4	C				
Nodding Pines Way to Dodd Rd.	45	1,478	Signal	73.8	21.6	I	13.7	F	30.0	C		
Dodd Rd. to Willa Springs Center	45	2,059	SS Stop	67.2	13.2	I	20.9	D				
Willa Springs Center to Plaza Entrance	45	1,003	Signal	60.6	27.6	I	11.3	F				
Plaza Entrance to Tuskawilla Rd.	45	528	Signal	27.6	11.4	I	13.0	F	15.8	E		
Tuskawilla Rd. to Red Willow Plaza	45	475	Signal	9.6	0.0	I	33.7	B				
Red Willow Plaza to Rising Sun Blvd.	45	2,693	Signal	55.2	4.8	I	33.3	B				
Rising Sun Blvd. to S. Citrus Rd.	45	1,373	Signal	30.0	3.6	I	31.2	B				
S. Citrus Rd. to Mikler Rd.	45	1,267	Signal	26.4	2.4	I	32.7	B				
Mikler Rd. to Slavia Rd.	45	1,690	Signal	29.4	0.0	I	39.2	B	33.9	B		
Slavia Rd. to Dovera Dr.	45	3,168	Signal	48.6	0.0	I	44.4	A				
Dovera Dr. to Oviedo Market Pl.	45	1,109	Signal	33.6	1.2	I	22.5	D				
Oviedo Market Pl. to SR 417 (W. Ramps)	45	1,267	Signal	24.6	0.0	I	35.1	B				
SR 417 (W. Ramps) to SR 417 (E. Ramps)	45	845	Signal	33.6	12.6	I	17.1	E	31.0	B		
SR 417 (E. Ramps) to SR 426	45	1,637	Signal	127.8	76.2	I	8.7	F	8.7	F		
<b>TOTAL</b>		33,158		878.4	192.0						25.7	0.222 gal/veh

**TABLE C26.1b**  
**Year 2017 Seminole County Travel Time & Delay Study**  
**Red Bug Lake Road - 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		
<b>AM PEAK HOUR</b>												
SR 426 to SR 417 (E. Ramps)	45	1,637	Signal	24.6	0.0	I	45.4	A	45.4	A		
SR 417 (E. Ramps) to SR 417 (W. Ramps)	45	845	Signal	12.0	0.0	I	48.0	A				
SR 417 (W. Ramps) to Oviedo Market Pl.	45	1,267	Signal	33.0	9.0	I	26.2	C				
Oviedo Market Pl. to Dovera Dr.	45	1,109	Signal	21.0	1.8	I	36.0	B				
Dovera Dr. to Slavia Rd.	45	3,168	Signal	48.6	0.0	I	44.4	A	38.0	B		
Slavia Rd. to Mikler Rd.	45	1,690	Signal	30.0	0.0	I	38.4	B				
Mikler Rd. to S. Citrus Rd.	45	1,267	Signal	33.6	3.0	I	25.7	C				
S. Citrus Rd. to Rising Sun Blvd.	45	1,373	Signal	22.8	0.0	I	41.1	A				
Rising Sun Blvd. to Red Willow Plaza	45	2,693	Signal	54.0	4.2	I	34.0	B				
Red willow Plaza to Tuskawilla Rd.	45	475	Signal	59.4	7.2	I	5.5	F	25.6	C		
Tuskawilla Rd. to Plaza Entrance	45	528	Signal	10.8	0.0	I	33.3	B				
Plaza Entrance to Willa Springs Center	45	1,003	SS Stop	19.2	0.0	I	35.6	B				
Willa Springs Center to Dodd Rd.	45	2,059	Signal	103.8	57.0	I	13.5	F	18.3	D		
Dodd Rd. to Nodding Pines Way	45	1,478	Signal	57.6	21.0	I	17.5	E				
Nodding Pines Way to Merivale Dr.	45	2,218	Signal	34.8	0.0	I	43.4	A				
Merivale Dr. to Jericho Dr.	45	1,373	SS Stop	20.4	0.0	I	45.9	A				
Jericho Dr. to Eagle Cir.	45	5,544	Signal	91.8	1.2	I	41.2	A	35.4	B		
Eagle Cir. to Mark David Blvd.	45	1,320	SS Stop	23.4	0.0	I	38.5	B				
Mark David Blvd. to Fire Station	45	1,267	Signal	73.2	43.2	I	11.8	F				
Fire Station to Winter Park Dr.	45	634	Signal	48.6	12.0	I	8.9	F				
Winter Park Dr. to SR 436	45	211	Signal	3.0	0.0	I	48.0	A	15.8	E		
<b>TOTAL</b>		33,158		825.6	159.6						27.4	0.218 gal/veh
<b>PM PEAK HOUR</b>												
SR 426 to SR 417 (E. Ramps)	45	1,637	Signal	25.8	0.0	I	43.3	A	43.3	A		
SR 417 (E. Ramps) to SR 417 (W. Ramps)	45	845	Signal	12.6	0.0	I	45.7	A				
SR 417 (W. Ramps) to Oviedo Market Pl.	45	1,267	Signal	43.2	15.6	I	20.0	D				
Oviedo Market Pl. to Dovera Dr.	45	1,109	Signal	19.8	0.0	I	38.2	B				
Dovera Dr. to Slavia Rd.	45	3,168	Signal	50.4	0.0	I	42.9	A	34.6	B		
Slavia Rd. to Mikler Rd.	45	1,690	Signal	27.0	0.0	I	42.7	A				
Mikler Rd. to S. Citrus Rd.	45	1,267	Signal	27.6	0.0	I	31.3	B				
S. Citrus Rd. to Rising Sun Blvd.	45	1,373	Signal	47.4	11.4	I	19.7	D				
Rising Sun Blvd. to Red Willow Plaza	45	2,693	Signal	57.6	3.6	I	31.9	B				
Red willow Plaza to Tuskawilla Rd.	45	475	Signal	54.0	3.6	I	6.0	F	23.9	C		
Tuskawilla Rd. to Plaza Entrance	45	528	Signal	27.6	15.6	I	13.0	F				
Plaza Entrance to Willa Springs Center	45	1,003	SS Stop	17.4	0.0	I	39.3	B				
Willa Springs Center to Dodd Rd.	45	2,059	Signal	48.6	9.6	I	28.9	C	26.2	C		
Dodd Rd. to Nodding Pines Way	45	1,478	Signal	31.8	1.2	I	31.7	B				
Nodding Pines Way to Merivale Dr.	45	2,218	Signal	35.4	0.0	I	42.7	A				
Merivale Dr. to Jericho Dr.	45	1,373	SS Stop	21.6	0.0	I	43.3	A				
Jericho Dr. to Eagle Cir.	45	5,544	Signal	97.2	4.8	I	38.9	B	38.9	B		
Eagle Cir. to Mark David Blvd.	45	1,320	SS Stop	22.8	0.0	I	39.5	B				
Mark David Blvd. to Fire Station	45	1,267	Signal	28.2	3.6	I	30.6	C				
Fire Station to Winter Park Dr.	45	634	Signal	132.0	54.0	I	3.3	F				
Winter Park Dr. to SR 436	45	211	Signal	3.0	0.0	I	48.0	A	12.6	F		
<b>TOTAL</b>		33,158		831.0	123.0						27.2	0.218 gal/veh