

December 6, 2022

Bill Hoster, Mayor  
Town of Leeds  
218 North Main Street  
Leeds, UT 84746

Subject: Silver Reef Rd/Oak Grove Dr Traffic Counts

Dear Mayor Hoster,

Sunrise Engineering (Sunrise) is pleased to submit the completed traffic counts at the y-intersection of Silver Reef Road and Oak Grove Drive. Leeds Town has an interest in the amount of traffic that is accessing the Dixie National Forest and other public lands via Oak Grove Drive and Silver Reef Road.

In order to best capture the amount of traffic accessing the national forest via the Town of Leeds, counts were performed on two separate days. Traffic counts were performed by placing a camera at the intersection and then later hand counting each vehicle and movement by reviewing the footage. Counts were performed primarily during daylight hours with the data showing that the first and last hours of the counts saw lower volumes of vehicles.

The first count was performed on Sunday, October 16, 2022 from 7:30 AM to 7:15 PM. The second count was performed the following weekend on Saturday, October 22, 2022 from 8:30 AM to 7:30 PM. A Saturday and Sunday were chosen based on the assumption that the weekend draws the most traffic to the national forest when people are most likely to recreate.

Traffic volumes and movements for the extent of the count duration are shown in the attached figures. The total volume of traffic using the intersection on 10/16/22 totaled 434 vehicles. The total volume of traffic using the intersection on 10/22/22 totaled 475 vehicles. A breakdown of the traffic counts as a spreadsheet is also included as an attachment. The traffic data is broken down into 15 minute intervals. This data is provided to the Town of Leeds to be used at their convenience and discretion.

We appreciate the opportunity to work with the Town of Leeds and look forward to future opportunities together.

Sincerely,



David Christensen, PE  
Project Manager  
dchristensen@sunrise-eng.com

Attachment

P:\Traffic Studies\Leeds City\Figures 1 and 3.dwg Nov 18, 2022 2:24pm Dwalker



# FIGURE ONE TRAFFIC COUNT

## SUN 10/16/22 7:30 AM to 7:15 PM



6875 SOUTH 900 EAST  
SALT LAKE CITY, UTAH 84047  
TEL 801.523.0100 • FAX 801.523.0990  
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P:\Traffic Studies\Leeds City\Figures 1 and 3.dwg Nov 18, 2022 2:25pm Dwalker



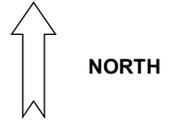
# FIGURE TWO TRAFFIC COUNT

## SAT 10/22/22 8:30 AM to 7:30 PM



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# WEEKEND TRAFFIC VOLUMES

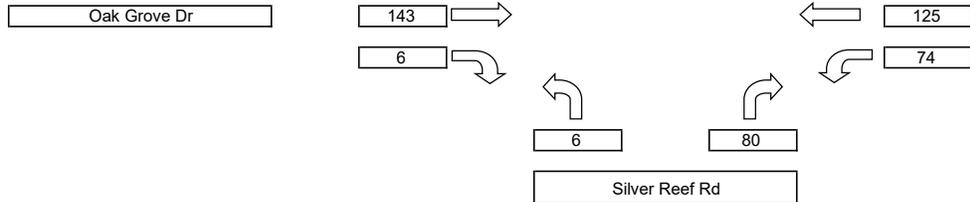


INTERSECTION:

N-S STREET **Silver Reef Rd**  
E-W STREET **Oak Grove Dr**

COUNT DATE: **10/16/2022**  
NOTES: **SUNDAY**

COUNT TIME:  
FROM: **7:30 AM**  
TO: **7:15 PM**

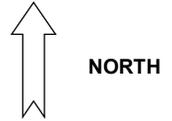


## Weekend Traffic

COUNT DATA INPUT:

TIME PERIOD		Southbound			Westbound			Northbound			Eastbound			TOTAL VOLUMES
FROM:	TO:	L	T	R	L	T	R	L	T	R	L	T	R	
7:30 AM	7:45 AM				0	1		0		0		0	0	1
7:45 AM	8:00 AM				0	0		0		1		0	0	1
8:00 AM	8:15 AM				0	3		0		0		0	0	3
8:15 AM	8:30 AM				0	1		0		0		1	0	2
8:30 AM	8:45 AM				1	5		0		2		3	1	12
8:45 AM	9:00 AM				1	3		0		3		2	0	9
9:00 AM	9:15 AM				1	0		0		1		1	0	3
9:15 AM	9:30 AM				1	1		1		2		4	1	10
9:30 AM	9:45 AM				0	2		0		2		1	0	5
9:45 AM	10:00 AM				1	0		0		2		1	0	4
10:00 AM	10:15 AM				0	7		0		1		3	0	11
10:15 AM	10:30 AM				3	1		0		0		2	0	6
10:30 AM	10:45 AM				1	2		0		3		5	0	11
10:45 AM	11:00 AM				0	4		0		4		8	0	16
11:00 AM	11:15 AM				2	0		0		1		4	0	7
11:15 AM	11:30 AM				2	4		0		1		5	0	12
11:30 AM	11:45 AM				5	3		0		3		1	0	12
11:45 AM	12:00 PM				2	3		0		0		2	0	7
12:00 PM	12:15 PM				3	3		0		3		3	0	12
12:15 PM	12:30 PM				4	5		0		3		5	0	17
12:30 PM	12:45 PM				1	3		1		9		3	0	17
12:45 PM	1:00 PM				1	3		0		2		1	0	7
1:00 PM	1:15 PM				2	3		0		0		4	0	9
1:15 PM	1:30 PM				5	5		2		0		4	0	16
1:30 PM	1:45 PM				1	3		0		1		2	0	7
1:45 PM	2:00 PM				0	2		0		0		5	1	8
2:00 PM	2:15 PM				2	4		0		0		11	1	18
2:15 PM	2:30 PM				1	4		0		1		7	0	13
2:30 PM	2:45 PM				2	3		1		4		1	0	11
2:45 PM	3:00 PM				5	5		0		1		3	1	15
3:00 PM	3:15 PM				0	6		0		6		2	0	14
3:15 PM	3:30 PM				2	4		0		2		4	0	12
3:30 PM	3:45 PM				8	1		1		2		9	0	21
3:45 PM	4:00 PM				2	1		0		1		5	0	9
4:00 PM	4:15 PM				4	2		0		2		3	1	12
4:15 PM	4:30 PM				2	1		0		6		4	0	13
4:30 PM	4:45 PM				1	5		0		4		2	0	12
4:45 PM	5:00 PM				0	2		0		1		1	0	4
5:00 PM	5:15 PM				0	1		0		1		0	0	2
5:15 PM	5:30 PM				0	4		0		1		2	0	7
5:30 PM	5:45 PM				0	3		0		1		4	0	8
5:45 PM	6:00 PM				3	1		0		0		5	0	9
6:00 PM	6:15 PM				1	5		0		0		1	0	7
6:15 PM	6:30 PM				1	3		0		3		3	0	10
6:30 PM	6:45 PM				1	2		0		0		2	0	5
6:45 PM	7:00 PM				1	1		0		0		1	0	3
7:00 PM	7:15 PM				1	0		0		0		3	0	4
		totals:			74	125	0	6	0	80	0	143	6	434

# WEEKEND TRAFFIC VOLUMES



INTERSECTION:

N-S STREET **Silver Reef Rd**  
E-W STREET **Oak Grove Dr**

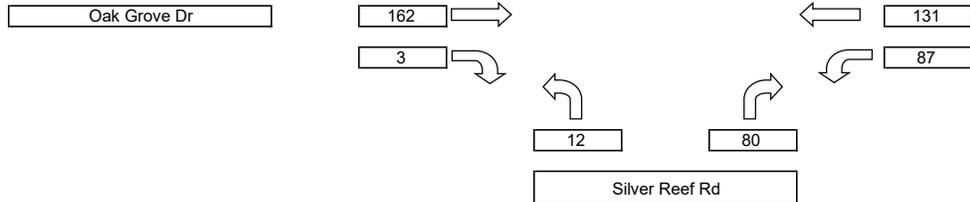
COUNT DATE: **10/22/2022**

NOTES: **SATURDAY**

COUNT TIME:

FROM: **8:30 AM**

TO: **7:30 PM**



## Weekend Traffic

COUNT DATA INPUT:

TIME PERIOD		Southbound			Westbound			Northbound			Eastbound			TOTAL VOLUMES	
FROM:	TO:	L	T	R	L	T	R	L	T	R	L	T	R		
8:30 AM	8:45 AM				0	0		0		1		0	0	1	
8:45 AM	9:00 AM				0	1		0		0		0	0	1	
9:00 AM	9:15 AM				1	3		0		1		3	0	8	
9:15 AM	9:30 AM				3	2		0		1		4	2	12	
9:30 AM	9:45 AM				3	5		0		1		2	0	11	
9:45 AM	10:00 AM				3	2		1		0		1	0	7	
10:00 AM	10:15 AM				3	7		1		1		2	0	14	
10:15 AM	10:30 AM				4	4		0		2		1	0	11	
10:30 AM	10:45 AM				3	6		0		1		3	1	14	
10:45 AM	11:00 AM				1	2		0		3		3	0	9	
11:00 AM	11:15 AM				2	0		0		4		3	0	9	
11:15 AM	11:30 AM				3	3		0		0		1	0	7	
11:30 AM	11:45 AM				4	5		0		3		4	0	16	
11:45 AM	12:00 PM				3	5		0		5		1	0	14	
12:00 PM	12:15 PM				2	2		0		1		7	0	12	
12:15 PM	12:30 PM				2	2		1		5		4	0	14	
12:30 PM	12:45 PM				2	7		0		3		5	0	17	
12:45 PM	1:00 PM				3	3		0		2		6	0	14	
1:00 PM	1:15 PM				3	2		2		0		5	0	12	
1:15 PM	1:30 PM				3	5		0		1		7	0	16	
1:30 PM	1:45 PM				5	3		0		5		8	0	21	
1:45 PM	2:00 PM				2	2		1		3		19	0	27	
2:00 PM	2:15 PM				0	8		0		4		2	0	14	
2:15 PM	2:30 PM				3	5		0		2		3	0	13	
2:30 PM	2:45 PM				5	3		0		2		2	0	12	
2:45 PM	3:00 PM				1	0		0		3		6	0	10	
3:00 PM	3:15 PM				3	4		0		5		10	0	22	
3:15 PM	3:30 PM				0	6		0		5		12	0	23	
3:30 PM	3:45 PM				0	2		3		1		4	0	10	
3:45 PM	4:00 PM				2	2		0		4		8	0	16	
4:00 PM	4:15 PM				0	4		0		1		3	0	8	
4:15 PM	4:30 PM				3	3		0		2		2	0	10	
4:30 PM	4:45 PM				1	3		0		2		1	0	7	
4:45 PM	5:00 PM				0	1		0		0		3	0	4	
5:00 PM	5:15 PM				3	0		1		1		3	0	8	
5:15 PM	5:30 PM				1	2		0		2		5	0	10	
5:30 PM	5:45 PM				1	2		1		0		2	0	6	
5:45 PM	6:00 PM				2	3		0		0		4	0	9	
6:00 PM	6:15 PM				0	1		0		0		0	0	1	
6:15 PM	6:30 PM				2	0		0		1		0	0	3	
6:30 PM	6:45 PM				1	8		0		0		1	0	10	
6:45 PM	7:00 PM				3	2		1		2		1	0	9	
7:00 PM	7:15 PM				0	1		0		0		1	0	2	
7:15 PM	7:30 PM				1	0		0		0		0	0	1	
totals:					87	131	0	12	0	80	0		162	3	475