

City of Rochester Hills

1000 Rochester Hills Drive
Rochester Hills, MI 48309

Paul G. Shumejko, P.E., PTOE - Transportation Engineer

Site Code: 6010
Site Code: 6010
Station ID:
Lake Forest Dr
North of Ansal Dr
Latitude: 0' 0.0000 Undefined

SB

Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th Percent	95th Percent
03/08/16	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	5	0	3	8	1	0	0	0	0	0	0	0	0	0	17	29	30
10:00	2	1	5	9	3	0	0	0	0	0	0	0	0	0	20	30	33
11:00	0	0	5	9	5	0	0	0	0	0	0	0	0	0	19	32	34
12 PM	0	1	7	4	3	0	0	0	0	0	0	0	0	0	15	31	33
13:00	6	1	8	3	2	0	0	0	0	0	0	0	0	0	20	28	32
14:00	0	1	6	6	3	0	0	0	0	0	0	0	0	0	16	31	33
15:00	0	1	8	11	3	0	0	0	0	0	0	0	0	0	23	29	33
16:00	1	0	5	12	4	0	0	0	0	0	0	0	0	0	22	30	33
17:00	1	2	9	11	0	0	0	0	0	0	0	0	0	0	23	28	29
18:00	1	1	6	4	2	0	0	0	0	0	0	0	0	0	14	29	33
19:00	0	1	9	7	0	0	0	0	0	0	0	0	0	0	17	28	29
20:00	1	1	6	7	0	0	0	0	0	0	0	0	0	0	15	28	29
21:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	29	29
22:00	1	0	2	1	0	0	0	0	0	0	0	0	0	0	4	27	29
23:00	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	19	19
Total	18	11	79	94	26	0	0	0	0	0	0	0	0	0	228		
Percent	7.9%	4.8%	34.6%	41.2%	11.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	10:00	10:00	10:00	11:00										10:00		
Vol.	5	1	5	9	5										20		
PM Peak	13:00	17:00	17:00	16:00	16:00										15:00		
Vol.	6	2	9	12	4										23		

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Start Time	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th Percent	95th Percent
	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
03/09/16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
01:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	24	24
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	1	1	2	2	4	0	0	0	0	0	0	0	0	0	10	33	34
06:00	0	0	4	8	1	0	0	0	0	0	0	0	0	0	13	29	31
07:00	0	2	19	20	3	0	0	0	0	0	0	0	0	0	44	29	31
08:00	3	2	10	16	3	0	0	0	0	0	0	0	0	0	34	29	32
09:00	0	3	0	5	1	0	0	0	0	0	0	0	0	0	9	29	32
10:00	0	1	3	6	2	0	0	0	0	0	0	0	0	0	12	30	33
11:00	0	0	6	9	3	0	0	0	0	0	0	0	0	0	18	30	33
12 PM	1	3	6	5	2	0	0	0	0	0	0	0	0	0	17	29	32
13:00	1	3	2	2	3	0	0	0	0	0	0	0	0	0	11	32	34
14:00	0	0	9	12	3	0	0	0	0	0	0	0	0	0	24	29	33
15:00	2	3	6	11	3	0	0	0	0	0	0	0	0	0	25	29	32
16:00	2	3	7	11	0	0	0	0	0	0	0	0	0	0	23	28	29
17:00	6	6	11	2	1	1	0	0	0	0	0	0	0	0	27	24	33
18:00	1	9	22	6	2	0	0	0	0	0	0	0	0	0	40	26	30
19:00	1	3	5	7	1	0	0	0	0	0	0	0	0	0	17	28	30
20:00	0	2	6	4	0	0	0	0	0	0	0	0	0	0	12	27	29
21:00	0	0	4	1	0	0	0	0	0	0	0	0	0	0	5	26	28
22:00	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	24	24
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
Total	18	41	124	127	32	1	0	0	0	0	0	0	0	0	343		
Percent	5.2%	12.0%	36.2%	37.0%	9.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	09:00	07:00	07:00	05:00											07:00	
Vol.	3	3	19	20	4											44	
PM Peak	17:00	18:00	18:00	14:00	13:00	17:00										18:00	
Vol.	6	9	22	12	3	1										40	
Total	36	52	203	221	58	1	0	0	0	0	0	0	0	0	571		
Percent	6.3%	9.1%	35.6%	38.7%	10.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 19 MPH
50th Percentile : 24 MPH
85th Percentile : 29 MPH
95th Percentile : 32 MPH

Stats
10 MPH Pace Speed : 21-30 MPH
Number in Pace : 424
Percent in Pace : 74.3%
Number of Vehicles > 55 MPH : 0
Percent of Vehicles > 55 MPH : 0.0%
Mean Speed(Average) : 25 MPH

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Start Time	15	16	21	26	31	36	41	46	51	56	61	66	71	76	999	Total	85th Percent	95th Percent	
03/08/16	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	1	1	5	8	3	0	0	0	0	0	0	0	0	0	0	18	30	33	
10:00	1	3	6	2	5	1	0	0	0	0	0	0	0	0	0	18	33	35	
11:00	0	0	3	17	4	0	0	0	0	0	0	0	0	0	0	24	30	33	
12 PM	0	0	5	9	2	0	0	0	0	0	0	0	0	0	0	16	29	32	
13:00	1	1	4	14	2	1	0	0	0	0	0	0	0	0	0	23	29	34	
14:00	1	1	7	10	6	1	0	0	0	0	0	0	0	0	0	26	32	34	
15:00	0	2	6	16	4	2	0	0	0	0	0	0	0	0	0	30	31	36	
16:00	0	4	3	19	6	0	0	0	0	0	0	0	0	0	0	32	31	33	
17:00	1	2	13	17	0	0	0	0	0	0	0	0	0	0	0	33	28	29	
18:00	0	1	12	10	4	0	0	0	0	0	0	0	0	0	0	27	29	33	
19:00	0	2	9	2	3	0	0	0	0	0	0	0	0	0	0	16	31	33	
20:00	2	0	5	9	3	0	0	0	0	0	0	0	0	0	0	19	30	33	
21:00	0	0	5	4	1	0	0	0	0	0	0	0	0	0	0	10	29	32	
22:00	0	1	2	3	1	0	0	0	0	0	0	0	0	0	0	7	29	33	
23:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	29	29	
Total	7	18	85	142	44	5	0	0	0	0	0	0	0	0	0	301			
Percent	2.3%	6.0%	28.2%	47.2%	14.6%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				
AM Peak	09:00	10:00	10:00	11:00	10:00	10:00										11:00			
Vol.	1	3	6	17	5	1										24			
PM Peak	20:00	16:00	17:00	16:00	14:00	15:00										17:00			
Vol.	2	4	13	19	6	2										33			

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Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999	Total	85th Percent	95th Percent
03/09/16	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	33	34
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	34	34
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	34	34
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	28	29
06:00	0	0	2	4	2	0	0	0	0	0	0	0	0	0	8	32	34
07:00	0	1	8	23	10	1	0	0	0	0	0	0	0	0	43	32	34
08:00	0	1	9	10	5	2	0	0	0	0	0	0	0	0	27	32	36
09:00	0	1	5	6	0	0	0	0	0	0	0	0	0	0	12	28	29
10:00	0	1	1	4	2	1	0	0	0	0	0	0	0	0	9	34	37
11:00	0	1	4	10	2	1	0	0	0	0	0	0	0	0	18	30	35
12 PM	1	4	2	5	1	0	0	0	0	0	0	0	0	0	13	29	31
13:00	2	3	7	8	4	0	0	0	0	0	0	0	0	0	24	30	33
14:00	0	0	7	15	5	0	0	0	0	0	0	0	0	0	27	30	33
15:00	1	6	12	16	3	0	0	0	0	0	0	0	0	0	38	29	31
16:00	1	1	13	7	5	0	0	0	0	0	0	0	0	0	27	30	33
17:00	4	5	24	13	1	0	0	0	0	0	0	0	0	0	47	27	29
18:00	1	4	12	11	1	0	0	0	0	0	0	0	0	0	29	28	29
19:00	0	3	18	14	1	0	0	0	0	0	0	0	0	0	36	28	29
20:00	1	1	8	9	1	0	0	0	0	0	0	0	0	0	20	28	30
21:00	0	0	4	5	0	0	0	0	0	0	0	0	0	0	9	28	29
22:00	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	29	29
23:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4	27	29
Total	11	33	139	165	46	5	0	0	0	0	0	0	0	0	399		
Percent	2.8%	8.3%	34.8%	41.4%	11.5%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak		07:00	08:00	07:00	07:00	08:00									07:00		
Vol.		1	9	23	10	2									43		
PM Peak	17:00	15:00	17:00	15:00	14:00										17:00		
Vol.	4	6	24	16	5										47		
Total	18	51	224	307	90	10	0	0	0	0	0	0	0	0	700		
Percent	2.6%	7.3%	32.0%	43.9%	12.9%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 20 MPH
50th Percentile : 25 MPH
85th Percentile : 29 MPH
95th Percentile : 33 MPH

Stats
10 MPH Pace Speed : 21-30 MPH
Number in Pace : 531
Percent in Pace : 75.9%
Number of Vehicles > 55 MPH : 0
Percent of Vehicles > 55 MPH : 0.0%
Mean Speed(Average) : 26 MPH

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SB, NB	1	16	21	26	31	36	41	46	51	56	61	66	71	76	Total	85th Percent	95th Percent
Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
03/08/16	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	6	1	8	16	4	0	0	0	0	0	0	0	0	0	35	29	32
10:00	3	4	11	11	8	1	0	0	0	0	0	0	0	0	38	32	34
11:00	0	0	8	26	9	0	0	0	0	0	0	0	0	0	43	31	33
12 PM	0	1	12	13	5	0	0	0	0	0	0	0	0	0	31	30	33
13:00	7	2	12	17	4	1	0	0	0	0	0	0	0	0	43	29	33
14:00	1	2	13	16	9	1	0	0	0	0	0	0	0	0	42	32	34
15:00	0	3	14	27	7	2	0	0	0	0	0	0	0	0	53	30	34
16:00	1	4	8	31	10	0	0	0	0	0	0	0	0	0	54	30	33
17:00	2	4	22	28	0	0	0	0	0	0	0	0	0	0	56	28	29
18:00	1	2	18	14	6	0	0	0	0	0	0	0	0	0	41	29	33
19:00	0	3	18	9	3	0	0	0	0	0	0	0	0	0	33	28	32
20:00	3	1	11	16	3	0	0	0	0	0	0	0	0	0	34	29	32
21:00	0	0	5	6	1	0	0	0	0	0	0	0	0	0	12	29	31
22:00	1	1	4	4	1	0	0	0	0	0	0	0	0	0	11	29	32
23:00	0	1	0	2	0	0	0	0	0	0	0	0	0	0	3	28	29
Total	25	29	164	236	70	5	0	0	0	0	0	0	0	0	529		
Percent	4.7%	5.5%	31.0%	44.6%	13.2%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	09:00	10:00	10:00	11:00	11:00	10:00									11:00		
Vol.	6	4	11	26	9	1									43		
PM Peak	13:00	16:00	17:00	16:00	16:00	15:00									17:00		
Vol.	7	4	22	31	10	2									56		

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Start Time	15	20	25	30	35	40	45	50	55	60	65	70	75	999			
03/09/16	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2	33	34
01:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	33	34
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	34	34
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	*	*
05:00	1	1	3	3	4	0	0	0	0	0	0	0	0	0	12	32	34
06:00	0	0	6	12	3	0	0	0	0	0	0	0	0	0	21	29	33
07:00	0	3	27	43	13	1	0	0	0	0	0	0	0	0	87	30	33
08:00	3	3	19	26	8	2	0	0	0	0	0	0	0	0	61	30	34
09:00	0	4	5	11	1	0	0	0	0	0	0	0	0	0	21	29	29
10:00	0	2	4	10	4	1	0	0	0	0	0	0	0	0	21	32	34
11:00	0	1	10	19	5	1	0	0	0	0	0	0	0	0	36	30	34
12 PM	2	7	8	10	3	0	0	0	0	0	0	0	0	0	30	29	32
13:00	3	6	9	10	7	0	0	0	0	0	0	0	0	0	35	31	33
14:00	0	0	16	27	8	0	0	0	0	0	0	0	0	0	51	30	33
15:00	3	9	18	27	6	0	0	0	0	0	0	0	0	0	63	29	32
16:00	3	4	20	18	5	0	0	0	0	0	0	0	0	0	50	29	32
17:00	10	11	35	15	2	1	0	0	0	0	0	0	0	0	74	27	29
18:00	2	13	34	17	3	0	0	0	0	0	0	0	0	0	69	27	29
19:00	1	6	23	21	2	0	0	0	0	0	0	0	0	0	53	28	29
20:00	1	3	14	13	1	0	0	0	0	0	0	0	0	0	32	28	29
21:00	0	0	8	6	0	0	0	0	0	0	0	0	0	0	14	28	29
22:00	0	0	1	2	0	0	0	0	0	0	0	0	0	0	3	28	29
23:00	0	1	2	1	0	0	0	0	0	0	0	0	0	0	4	27	29
Total	29	74	263	292	78	6	0	0	0	0	0	0	0	0	742		
Percent	3.9%	10.0%	35.4%	39.4%	10.5%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			
AM Peak	08:00	09:00	07:00	07:00	07:00	08:00										07:00	
Vol.	3	4	27	43	13	2										87	
PM Peak	17:00	18:00	17:00	14:00	14:00	17:00										17:00	
Vol.	10	13	35	27	8	1										74	
Total	54	103	427	528	148	11	0	0	0	0	0	0	0	0	1271		
Percent	4.2%	8.1%	33.6%	41.5%	11.6%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%			

15th Percentile : 20 MPH
50th Percentile : 25 MPH
85th Percentile : 29 MPH
95th Percentile : 33 MPH

Stats
10 MPH Pace Speed : 21-30 MPH
Number in Pace : 955
Percent in Pace : 75.1%
Number of Vehicles > 55 MPH : 0
Percent of Vehicles > 55 MPH : 0.0%
Mean Speed(Average) : 25 MPH