

City of Rochester Hills

1000 Rochester Hills Dr
Rochester Hills, MI 48309
248-656-4600

Serial Number: 5011
Location 1: Butler Rd
Location 2: See Reference Map

Start Date: 9/13/2024
End Date: 9/17/2024

Direction: West

9/13/2024										Total
Time	0 - 5 MPH	> 5 - 10 MPH	> 10 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 MPH		
12:00 AM	0	0	0	0	0	0	0	0	1	1
1:00	0	0	0	0	0	0	0	0	1	1
2:00	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	0	3	3
5:00	0	0	0	0	0	0	2	3	6	11
6:00	0	0	1	0	2	9	22	28		62
7:00	1	0	0	0	0	6	10	13		30
8:00	0	0	0	0	0	1	5	13		19
9:00	0	1	0	0	1	7	7	10		26
10:00	0	0	0	0	3	3	6	8		20
11:00	0	0	0	0	4	3	7	5		19
12:00 PM	0	0	0	0	3	4	11	10		28
1:00	0	0	0	1	0	7	14	10		32
2:00	0	0	0	1	0	2	8	14		25
3:00	0	0	1	0	0	3	11	13		28
4:00	0	0	0	0	0	4	15	15		34
5:00	0	0	0	0	0	8	13	14		35
6:00	0	0	0	0	0	5	3	4		12
7:00	0	0	0	0	0	2	3	4		9
8:00	0	0	0	0	0	3	4	4		11
9:00	0	0	0	0	0	0	1	2		3
10:00	0	0	0	0	1	0	1	0		2
11:00	0	0	0	0	0	0	3	1		4
Total	1	1	2	2	14	69	147	179		415
Percent	0.1%	0.1%	0.2%	0.2%	1.7%	8.3%	17.7%	21.6%		50.0%
AM Peak	7:00	9:00	6:00		11:00	6:00	6:00	6:00		6:00
	1	1	1	*	4	9	22	28		62
PM Peak			3:00	1:00	12:00 PM	5:00	4:00	4:00		5:00
	*	*	1	1	3	8	15	15		35
Speed Statistics	Percentile			15th	50th	85th	95th			
	Speed			27	33	38	42			
	Mean Speed (Average)			35.6						
	10 MPH Pace Speed			29-38						
	Number in Pace			241						
	Percent in Pace			58.0%						
	Number > 25 MPH			395						
	Percent > 25 MPH			95.2%						

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Start Date: 9/13/2024
End Date: 9/17/2024

Direction: West

9/14/2024										Total
Time	0 - 5 MPH	> 5 - 10 MPH	> 10 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 MPH		
12:00 AM	0	0	0	0	0	1	0	2	3	
1:00	0	0	0	0	0	0	0	0	0	
2:00	0	0	0	0	0	0	0	0	0	
3:00	0	0	0	0	0	0	0	1	1	
4:00	0	0	0	0	0	0	1	0	1	
5:00	0	0	0	0	0	0	0	0	0	
6:00	0	0	0	0	0	0	4	9	13	
7:00	1	3	2	0	3	5	5	5	24	
8:00	0	0	0	0	0	5	4	18	27	
9:00	0	0	2	0	0	6	8	8	24	
10:00	0	1	0	0	0	5	10	5	21	
11:00	0	0	0	1	2	3	8	7	21	
12:00 PM	0	0	1	0	0	3	3	4	11	
1:00	0	0	0	0	1	4	7	7	19	
2:00	0	0	0	0	0	3	5	5	13	
3:00	0	0	0	0	0	2	4	8	14	
4:00	0	0	0	0	0	3	9	9	21	
5:00	0	0	1	0	0	2	8	6	17	
6:00	0	0	0	0	0	4	6	4	14	
7:00	0	0	0	0	0	1	5	2	8	
8:00	0	0	0	0	0	1	2	4	7	
9:00	0	0	0	0	0	0	0	5	5	
10:00	0	0	0	0	0	0	2	1	3	
11:00	0	0	0	0	0	2	4	1	7	
Total	1	4	6	1	6	50	95	111	274	
Percent	0.2%	0.7%	1.1%	0.2%	1.1%	9.1%	17.3%	20.3%	50.0%	
AM Peak	7:00	7:00	7:00	11:00	7:00	9:00	10:00	8:00	8:00	
	1	3	2	1	3	6	10	18	27	
PM Peak			12:00 PM		1:00	1:00	4:00	4:00	4:00	
	*	*	1	*	1	4	9	9	21	
Speed Statistics	Percentile			15th	50th	85th	95th			
	Speed			27	33	39	44			
	Mean Speed (Average)			33.6						
	10 MPH Pace Speed			30-39						
	Number in Pace			177						
	Percent in Pace			65.0%						
	Number > 25 MPH			256						
	Percent > 25 MPH			93.4%						

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Serial Number: 5011
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Start Date: 9/13/2024
End Date: 9/17/2024

Direction: West

9/15/2024										Total
Time	0 - 5 MPH	> 5 - 10 MPH	> 10 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 MPH		
12:00 AM	0	0	0	0	0	0	0	1	0	1
1:00	0	0	0	0	0	0	0	2	3	5
2:00	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	0	0	1	0	0	1	2
4:00	0	0	0	0	0	0	0	0	1	1
5:00	0	0	0	0	0	0	0	0	2	2
6:00	0	0	0	0	0	0	0	3	1	4
7:00	0	0	0	0	0	0	0	2	3	5
8:00	0	0	0	0	0	0	0	6	9	15
9:00	0	0	2	0	0	4	9	6	6	21
10:00	0	0	1	0	1	5	6	8	8	21
11:00	0	0	0	0	1	3	5	9	9	18
12:00 PM	0	0	0	0	1	1	3	7	7	12
1:00	0	0	0	0	0	2	5	3	3	10
2:00	0	0	0	0	0	3	6	10	10	19
3:00	0	0	0	0	0	1	2	5	8	16
4:00	0	0	0	0	0	5	1	6	13	25
5:00	0	0	0	0	0	4	3	8	8	15
6:00	0	0	0	0	0	2	2	3	3	7
7:00	0	0	0	0	0	1	2	1	3	7
8:00	0	0	0	0	0	3	0	0	0	3
9:00	0	0	0	0	0	1	3	1	1	5
10:00	0	0	0	0	0	0	1	2	2	3
11:00	0	0	0	0	0	1	0	1	2	4
Total	0	0	3	0	12	33	70	103	103	221
Percent	0.0%	0.0%	0.7%	0.0%	2.7%	7.5%	15.8%	23.3%	23.3%	50.0%
AM Peak			9:00		3:00	10:00	9:00	8:00	8:00	9:00
	*	*	2	*	1	5	9	9	9	21
PM Peak					4:00	5:00	2:00	4:00	4:00	4:00
	*	*	*	*	5	4	6	13	13	25
Speed Statistics			Percentile	15th	50th	85th	95th			
			Speed	28	34	38	43			
			Mean Speed (Average)	34.5						
			10 MPH Pace Speed	31-40						
			Number in Pace	140						
			Percent in Pace	63.0%						
			Number > 25 MPH	206						
			Percent > 25 MPH	93.2%						

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Start Date: 9/13/2024
End Date: 9/17/2024

Direction: West

9/16/2024										Total
Time	0 - 5 MPH	> 5 - 10 MPH	> 10 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 MPH		
12:00 AM	0	0	0	0	0	0	0	0	0	
1:00	0	0	0	0	0	1	0	0	1	
2:00	0	0	0	0	0	0	0	0	0	
3:00	0	0	0	1	0	0	0	2	3	
4:00	0	0	0	0	0	1	0	0	1	
5:00	0	0	0	0	0	3	1	7	11	
6:00	0	0	0	0	3	5	25	30	63	
7:00	0	0	0	0	1	3	17	25	46	
8:00	0	0	1	1	0	2	6	17	27	
9:00	0	0	0	0	1	4	5	9	19	
10:00	0	0	0	0	2	4	17	8	31	
11:00	0	1	0	1	2	3	5	13	25	
12:00 PM	0	0	0	0	3	4	7	4	18	
1:00	0	0	0	0	2	8	20	10	40	
2:00	0	0	0	0	0	0	3	11	14	
3:00	0	1	0	1	4	1	14	9	30	
4:00	0	0	0	0	0	5	7	14	26	
5:00	0	0	0	0	1	6	7	11	25	
6:00	0	0	0	1	0	4	4	5	14	
7:00	0	0	0	0	0	3	4	1	8	
8:00	0	0	0	0	0	1	3	1	5	
9:00	0	0	0	0	0	1	1	1	3	
10:00	0	0	0	0	0	0	1	0	1	
11:00	0	0	0	0	0	1	2	0	3	
Total	0	2	1	5	19	60	149	178	414	
Percent	0.0%	0.2%	0.1%	0.6%	2.3%	7.2%	18.0%	21.5%	50.0%	
AM Peak		11:00	8:00	3:00	6:00	6:00	6:00	6:00	6:00	
	*	1	1	1	3	5	25	30	63	
PM Peak		3:00		3:00	3:00	1:00	1:00	4:00	1:00	
	*	1	*	1	4	8	20	14	40	
Speed Statistics	Percentile			15th	50th	85th	95th			
	Speed			27	33	39	44			
	Mean Speed (Average)			36.0						
	10 MPH Pace Speed			30-39						
	Number in Pace			226						
	Percent in Pace			55.0%						
	Number > 25 MPH			387						
	Percent > 25 MPH			93.5%						

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End Date: 9/17/2024

Direction: West

9/17/2024										Total
Time	0 - 5 MPH	> 5 - 10 MPH	> 10 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 MPH		
12:00 AM	0	0	0	0	0	0	0	0	0	
1:00	0	0	0	0	0	0	1	0	1	
2:00	0	0	0	0	0	0	0	0	0	
3:00	0	0	0	0	0	0	1	0	1	
4:00	0	0	0	0	0	0	0	1	1	
5:00	0	0	0	0	0	2	5	7	14	
6:00	0	1	0	2	5	6	25	39	78	
7:00	0	0	0	1	0	11	16	30	58	
8:00	0	0	0	0	0	6	15	24	45	
9:00	0	0	0	0	0	6	9	8	23	
10:00	0	0	0	0	2	4	12	10	28	
11:00	0	0	0	2	4	9	15	11	41	
12:00 PM	0	0	0	0	0	4	9	8	21	
1:00	0	0	0	0	1	5	12	6	24	
2:00	0	0	0	0	0	1	9	17	27	
3:00	0	0	0	1	0	3	9	23	36	
4:00	0	0	0	0	2	3	7	16	28	
5:00	0	0	0	0	0	6	12	17	35	
6:00	0	0	0	1	2	4	9	7	23	
7:00	0	0	0	0	0	2	5	4	11	
8:00	0	0	0	0	0	0	0	2	2	
9:00	0	0	0	0	0	2	0	3	5	
10:00	0	0	0	0	0	1	0	0	1	
11:00	0	0	0	0	0	1	3	0	4	
Total	0	1	0	7	16	76	174	233	507	
Percent	0.0%	0.1%	0.0%	0.7%	1.6%	7.5%	17.2%	23.0%	50.0%	
AM Peak		6:00		6:00	6:00	7:00	6:00	6:00	6:00	
	*	1	*	2	5	11	25	39	78	
PM Peak				3:00	4:00	5:00	1:00	3:00	3:00	
	*	*	*	1	2	6	12	23	36	
Speed Statistics	Percentile			15th	50th	85th	95th			
	Speed			28	34	39	43			
	Mean Speed (Average)			37.7						
	10 MPH Pace Speed			29-38						
	Number in Pace			260						
	Percent in Pace			52.0%						
	Number > 25 MPH			483						
	Percent > 25 MPH			95.3%						

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End Date: 9/17/2024

Direction: East

9/13/2024										Total
Time	0 - 5 MPH	> 5 - 10 MPH	> 10 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 MPH		
12:00 AM	0	0	0	0	0	0	0	1	1	2
1:00	0	0	0	0	0	0	0	0	1	1
2:00	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	1	1	0	2
4:00	0	0	0	0	0	0	0	0	1	1
5:00	0	0	0	0	0	0	1	3	1	5
6:00	0	0	0	0	0	3	3	8	1	15
7:00	0	0	0	0	1	7	13	6		27
8:00	0	0	0	0	0	5	6	7		18
9:00	0	0	0	2	1	8	5	7		23
10:00	0	0	0	0	2	4	11	7		24
11:00	0	0	0	0	2	9	11	9		31
12:00 PM	0	0	0	0	3	3	14	12		32
1:00	0	0	0	0	0	4	17	18		39
2:00	0	0	0	0	1	7	15	22		45
3:00	0	1	0	0	2	7	21	23		54
4:00	0	0	0	0	0	10	19	26		55
5:00	0	0	0	0	2	8	9	7		26
6:00	0	0	0	0	1	7	12	13		33
7:00	0	0	0	0	0	3	7	10		20
8:00	0	0	0	0	0	8	11	6		25
9:00	0	0	0	0	0	1	3	7		11
10:00	0	0	0	0	0	0	3	6		9
11:00	0	0	0	0	1	1	2	1		5
Total	0	1	0	2	19	97	192	192		503
Percent	0.0%	0.1%	0.0%	0.2%	1.9%	9.6%	19.1%	19.1%		50.0%
AM Peak				9:00	6:00	11:00	7:00	11:00		11:00
	*	*	*	2	3	9	13	9		31
PM Peak		3:00			12:00 PM	4:00	3:00	4:00		4:00
	*	1	*	*	3	10	21	26		55
Speed Statistics	Percentile			15th	50th	85th	95th			
	Speed			28	32	39	43			
	Mean Speed (Average)			35.4						
	10 MPH Pace Speed			28-37						
	Number in Pace			299						
	Percent in Pace			59.0%						
	Number > 25 MPH			481						
	Percent > 25 MPH			95.6%						

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End Date: 9/17/2024

Direction: East

9/14/2024										Total
Time	0 - 5 MPH	> 5 - 10 MPH	> 10 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 MPH		
12:00 AM	0	0	0	0	0	0	1	0	1	
1:00	0	0	0	0	0	1	0	0	1	
2:00	0	0	0	0	0	0	0	0	0	
3:00	0	0	0	0	0	0	1	1	2	
4:00	0	0	0	0	0	0	1	0	1	
5:00	0	0	0	0	0	0	3	1	4	
6:00	0	0	0	0	1	0	3	0	4	
7:00	0	0	0	0	0	1	3	4	8	
8:00	0	0	0	0	1	2	7	3	13	
9:00	0	0	0	0	1	1	3	10	15	
10:00	0	0	0	0	1	3	9	7	20	
11:00	0	0	0	0	1	5	9	15	30	
12:00 PM	0	0	0	0	0	3	11	9	23	
1:00	0	0	0	1	1	5	10	5	22	
2:00	0	0	0	0	0	5	9	12	26	
3:00	0	0	0	0	1	2	8	18	29	
4:00	0	0	0	0	1	3	7	12	23	
5:00	0	0	0	0	1	1	5	7	14	
6:00	0	0	0	0	0	2	7	11	20	
7:00	0	0	0	0	1	3	12	13	29	
8:00	0	0	1	0	0	1	3	9	14	
9:00	0	0	0	0	0	0	4	6	10	
10:00	0	0	0	0	0	1	1	5	7	
11:00	0	0	0	0	0	0	6	4	10	
Total	0	0	1	1	10	39	123	152	326	
Percent	0.0%	0.0%	0.2%	0.2%	1.5%	6.0%	18.9%	23.3%	50.0%	
AM Peak					6:00	11:00	10:00	11:00	11:00	
	*	*	*	*	1	5	9	15	30	
PM Peak			8:00	1:00	1:00	1:00	7:00	3:00	3:00	
	*	*	1	1	1	5	12	18	29	
Speed Statistics	Percentile			15th	50th	85th	95th			
	Speed			29	33	40	44			
	Mean Speed (Average)			35.7						
	10 MPH Pace Speed			31-40						
	Number in Pace			206						
	Percent in Pace			63.0%						
	Number > 25 MPH			314						
	Percent > 25 MPH			96.3%						

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End Date: 9/17/2024

Direction: East

9/15/2024										Total
Time	0 - 5 MPH	> 5 - 10 MPH	> 10 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 MPH		
12:00 AM	0	0	0	0	0	2	0	2	4	
1:00	0	0	0	0	0	0	1	0	1	
2:00	0	0	0	0	0	2	0	0	2	
3:00	0	0	0	0	0	0	1	1	2	
4:00	0	0	0	0	0	0	0	0	0	
5:00	0	0	0	0	0	0	0	1	1	
6:00	0	0	0	0	1	1	1	2	5	
7:00	0	0	0	0	0	0	2	4	6	
8:00	0	0	0	0	0	0	4	5	9	
9:00	0	0	0	0	1	4	3	3	11	
10:00	0	0	0	1	0	0	8	8	17	
11:00	0	0	0	0	0	3	18	13	34	
12:00 PM	0	0	0	0	2	5	8	8	23	
1:00	0	0	0	1	0	1	8	4	14	
2:00	0	0	1	2	0	1	11	10	25	
3:00	0	0	1	0	1	2	7	12	23	
4:00	0	0	0	0	1	4	8	6	19	
5:00	0	0	0	0	0	4	8	15	27	
6:00	0	0	0	0	1	2	7	19	29	
7:00	0	0	0	0	0	0	5	6	11	
8:00	0	0	0	0	0	2	1	5	8	
9:00	0	0	0	0	0	1	2	2	5	
10:00	0	0	0	0	0	0	2	3	5	
11:00	0	0	0	0	0	0	0	2	2	
Total	0	0	2	4	7	34	105	131	283	
Percent	0.0%	0.0%	0.4%	0.7%	1.2%	6.0%	18.6%	23.1%	50.0%	
AM Peak				10:00	6:00	9:00	11:00	11:00	11:00	
	*	*	*	1	1	4	18	13	34	
PM Peak			2:00	2:00	12:00 PM	12:00 PM	2:00	6:00	6:00	
	*	*	1	2	2	5	11	19	29	
Speed Statistics	Percentile			15th	50th	85th	95th			
	Speed			29	34	40	44			
	Mean Speed (Average)			35.3						
	10 MPH Pace Speed			31-40						
	Number in Pace			184						
	Percent in Pace			65.0%						
	Number > 25 MPH			270						
	Percent > 25 MPH			95.4%						

City of Rochester Hills

1000 Rochester Hills Dr
Rochester Hills, MI 48309
248-656-4600

Serial Number: 5011
Location 1: Butler Rd
Location 2: See Reference Map

Start Date: 9/13/2024
End Date: 9/17/2024

Direction: East

9/16/2024										Total
Time	0 - 5 MPH	> 5 - 10 MPH	> 10 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 MPH		
12:00 AM	0	0	0	0	0	0	0	0	1	1
1:00	0	0	0	0	0	0	0	0	1	1
2:00	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	0	0	0	0
4:00	0	0	0	0	0	0	0	0	0	0
5:00	0	0	0	0	0	2	0	3		5
6:00	0	0	0	0	0	2	4	3		9
7:00	0	0	0	0	0	3	8	11		22
8:00	0	0	0	1	0	2	9	9		21
9:00	0	0	0	0	1	7	4	10		22
10:00	0	0	0	0	1	3	6	8		18
11:00	0	0	0	0	0	3	13	15		31
12:00 PM	0	0	0	0	1	4	14	19		38
1:00	0	0	0	0	1	0	8	11		20
2:00	0	0	0	0	0	6	17	31		54
3:00	0	1	0	0	1	11	20	27		60
4:00	0	0	0	0	4	7	27	25		63
5:00	0	0	0	0	0	6	16	28		50
6:00	0	0	0	0	0	4	12	14		30
7:00	0	0	0	0	1	3	17	6		27
8:00	0	0	0	0	1	1	8	6		16
9:00	0	0	0	0	0	0	1	4		5
10:00	0	0	1	0	0	2	0	0		3
11:00	0	0	0	0	1	0	0	0		1
Total	0	1	1	1	12	66	184	232		497
Percent	0.0%	0.1%	0.1%	0.1%	1.2%	6.6%	18.5%	23.3%		50.0%
AM Peak	*	*	*	8:00	9:00	9:00	11:00	11:00		11:00
				1	1	7	13	15		31
PM Peak		3:00	10:00		4:00	3:00	4:00	2:00		4:00
	*	1	1	*	4	11	27	31		63
Speed Statistics	Percentile			15th	50th	85th	95th			
	Speed			29	34	39	42			
	Mean Speed (Average)			37.7						
	10 MPH Pace Speed			30-39						
	Number in Pace			271						
	Percent in Pace			55.0%						
	Number > 25 MPH			482						
	Percent > 25 MPH			97.0%						

City of Rochester Hills

1000 Rochester Hills Dr
Rochester Hills, MI 48309
248-656-4600

Serial Number: 5011
Location 1: Butler Rd
Location 2: See Reference Map

Start Date: 9/13/2024
End Date: 9/17/2024

Direction: East

9/17/2024										Total
Time	0 - 5 MPH	> 5 - 10 MPH	> 10 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 MPH		
12:00 AM	0	0	0	0	0	0	0	0	0	
1:00	0	0	0	0	0	0	0	0	0	
2:00	0	0	0	0	0	0	0	0	0	
3:00	0	0	0	0	0	0	0	1	1	
4:00	0	0	0	0	0	0	0	2	2	
5:00	0	0	0	0	0	2	0	1	3	
6:00	0	0	0	0	1	5	1	4	11	
7:00	0	0	0	0	0	1	8	12	21	
8:00	0	0	0	0	0	7	5	5	17	
9:00	0	0	0	0	1	2	6	10	19	
10:00	0	0	0	1	0	4	8	8	21	
11:00	0	0	0	0	3	3	10	21	37	
12:00 PM	0	0	0	0	0	6	10	9	25	
1:00	0	0	0	0	1	7	13	18	39	
2:00	0	0	0	0	0	6	17	30	53	
3:00	0	0	0	1	0	7	18	34	60	
4:00	0	0	0	0	2	4	28	41	75	
5:00	0	0	0	1	1	7	19	20	48	
6:00	0	0	1	1	2	5	22	12	43	
7:00	0	0	0	0	0	3	8	10	21	
8:00	0	0	0	0	1	1	4	7	13	
9:00	0	0	0	0	0	1	5	3	9	
10:00	0	0	0	0	0	1	1	5	7	
11:00	0	0	0	0	0	1	0	0	1	
Total	0	0	1	4	12	73	183	253	526	
Percent	0.0%	0.0%	0.1%	0.4%	1.1%	6.9%	17.4%	24.0%	50.0%	
AM Peak				10:00	11:00	8:00	11:00	11:00	11:00	
	*	*	*	1	3	7	10	21	37	
PM Peak			6:00	3:00	4:00	1:00	4:00	4:00	4:00	
	*	*	1	1	2	7	28	41	75	
Speed Statistics	Percentile			15th	50th	85th	95th			
	Speed			29	34	39	43			
	Mean Speed (Average)			38.6						
	10 MPH Pace Speed			29-38						
	Number in Pace			271						
	Percent in Pace			52.0%						
	Number > 25 MPH			509						
	Percent > 25 MPH			96.8%						

City of Rochester Hills

1000 Rochester Hills Dr
Rochester Hills, MI 48309
248-656-4600

Serial Number: 5011
Location 1: Butler Rd
Location 2: See Reference Map

Start Date: 9/13/2024
End Date: 9/17/2024

Direction: Combined

9/13/2024										Total
Time	0 - 5 MPH	> 5 - 10 MPH	> 10 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 MPH		
12:00 AM	0	0	0	0	0	0	0	1	2	3
1:00	0	0	0	0	0	0	0	0	2	2
2:00	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	0	0	0	1	1	0	2
4:00	0	0	0	0	0	0	0	0	4	4
5:00	0	0	0	0	0	0	3	6	7	16
6:00	0	0	1	0	5	12	30	29	77	77
7:00	1	0	0	0	1	13	23	19	57	57
8:00	0	0	0	0	0	6	11	20	37	37
9:00	0	1	0	2	2	15	12	17	49	49
10:00	0	0	0	0	5	7	17	15	44	44
11:00	0	0	0	0	6	12	18	14	50	50
12:00 PM	0	0	0	0	6	7	25	22	60	60
1:00	0	0	0	1	0	11	31	28	71	71
2:00	0	0	0	1	1	9	23	36	70	70
3:00	0	1	1	0	2	10	32	36	82	82
4:00	0	0	0	0	0	14	34	41	89	89
5:00	0	0	0	0	2	16	22	21	61	61
6:00	0	0	0	0	1	12	15	17	45	45
7:00	0	0	0	0	0	5	10	14	29	29
8:00	0	0	0	0	0	11	15	10	36	36
9:00	0	0	0	0	0	1	4	9	14	14
10:00	0	0	0	0	1	0	4	6	11	11
11:00	0	0	0	0	1	1	5	2	9	9
Total	1	2	2	4	33	166	339	371	918	918
Percent	0.1%	0.1%	0.1%	0.2%	1.8%	9.0%	18.5%	20.2%	50.0%	50.0%
AM Peak	7:00	9:00	6:00	9:00	11:00	9:00	6:00	6:00	6:00	6:00
	1	1	1	2	6	15	30	29	77	77
PM Peak		3:00	3:00	1:00	12:00 PM	5:00	4:00	4:00	4:00	4:00
	*	1	1	1	6	16	34	41	89	89
Speed Statistics	Percentile			15th	50th	85th	95th			
	Speed			28	33	39	43			
	Mean Speed (Average)			35.5						
	10 MPH Pace Speed			28-37						
	Number in Pace			537						
	Percent in Pace			58.0%						
	Number > 25 MPH			876						
	Percent > 25 MPH			95.4%						

City of Rochester Hills

1000 Rochester Hills Dr
Rochester Hills, MI 48309
248-656-4600

Serial Number: 5011
Location 1: Butler Rd
Location 2: See Reference Map

Start Date: 9/13/2024
End Date: 9/17/2024

Direction: Combined

9/14/2024										Total
Time	0 - 5 MPH	> 5 - 10 MPH	> 10 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 MPH		
12:00 AM	0	0	0	0	0	1	1	2	4	
1:00	0	0	0	0	0	1	0	0	1	
2:00	0	0	0	0	0	0	0	0	0	
3:00	0	0	0	0	0	0	1	2	3	
4:00	0	0	0	0	0	0	2	0	2	
5:00	0	0	0	0	0	0	3	1	4	
6:00	0	0	0	0	1	0	7	9	17	
7:00	1	3	2	0	3	6	8	9	32	
8:00	0	0	0	0	1	7	11	21	40	
9:00	0	0	2	0	1	7	11	18	39	
10:00	0	1	0	0	1	8	19	12	41	
11:00	0	0	0	1	3	8	17	22	51	
12:00 PM	0	0	1	0	0	6	14	13	34	
1:00	0	0	0	1	2	9	17	12	41	
2:00	0	0	0	0	0	8	14	17	39	
3:00	0	0	0	0	1	4	12	26	43	
4:00	0	0	0	0	1	6	16	21	44	
5:00	0	0	1	0	1	3	13	13	31	
6:00	0	0	0	0	0	6	13	15	34	
7:00	0	0	0	0	1	4	17	15	37	
8:00	0	0	1	0	0	2	5	13	21	
9:00	0	0	0	0	0	0	4	11	15	
10:00	0	0	0	0	0	1	3	6	10	
11:00	0	0	0	0	0	2	10	5	17	
Total	1	4	7	2	16	89	218	263	600	
Percent	0.1%	0.3%	0.6%	0.2%	1.3%	7.4%	18.2%	21.9%	50.0%	
AM Peak	7:00	7:00	7:00	11:00	7:00	10:00	10:00	11:00	11:00	
	1	3	2	1	3	8	19	22	51	
PM Peak			12:00 PM	1:00	1:00	1:00	1:00	3:00	4:00	
	*	*	1	1	2	9	17	26	44	
Speed Statistics	Percentile			15th	50th	85th	95th			
	Speed			28	33	39	44			
	Mean Speed (Average)			34.8						
	10 MPH Pace Speed			30-39						
	Number in Pace			383						
	Percent in Pace			64.0%						
	Number > 25 MPH			570						
	Percent > 25 MPH			95.0%						

City of Rochester Hills

1000 Rochester Hills Dr
Rochester Hills, MI 48309
248-656-4600

Serial Number: 5011
Location 1: Butler Rd
Location 2: See Reference Map

Start Date: 9/13/2024
End Date: 9/17/2024

Direction: Combined

9/15/2024										Total
Time	0 - 5 MPH	> 5 - 10 MPH	> 10 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 MPH		
12:00 AM	0	0	0	0	0	0	2	1	2	5
1:00	0	0	0	0	0	0	0	3	3	6
2:00	0	0	0	0	0	0	2	0	0	2
3:00	0	0	0	0	0	1	0	1	2	4
4:00	0	0	0	0	0	0	0	0	1	1
5:00	0	0	0	0	0	0	0	0	3	3
6:00	0	0	0	0	0	1	1	4	3	9
7:00	0	0	0	0	0	0	0	4	7	11
8:00	0	0	0	0	0	0	0	10	14	24
9:00	0	0	2	0	0	1	8	12	9	32
10:00	0	0	1	1	1	1	5	14	16	38
11:00	0	0	0	0	0	1	6	23	22	52
12:00 PM	0	0	0	0	0	3	6	11	15	35
1:00	0	0	0	0	1	0	3	13	7	24
2:00	0	0	0	1	2	0	4	17	20	44
3:00	0	0	0	1	0	2	4	12	20	39
4:00	0	0	0	0	0	6	5	14	19	44
5:00	0	0	0	0	0	0	8	11	23	42
6:00	0	0	0	0	0	1	4	9	22	36
7:00	0	0	0	0	0	1	2	6	9	18
8:00	0	0	0	0	0	0	5	1	5	11
9:00	0	0	0	0	0	0	2	5	3	10
10:00	0	0	0	0	0	0	0	3	5	8
11:00	0	0	0	0	0	1	0	1	4	6
Total	0	0	5	4	19	67	175	234		504
Percent	0.0%	0.0%	0.5%	0.4%	1.9%	6.6%	17.4%	23.2%		50.0%
AM Peak			9:00	10:00	3:00	9:00	11:00	11:00		11:00
	*	*	2	1	1	8	23	22		52
PM Peak			2:00	2:00	4:00	5:00	2:00	5:00		2:00
	*	*	1	2	6	8	17	23		44
Speed Statistics			Percentile	15th	50th	85th	95th			
			Speed	28	34	39	43			
			Mean Speed (Average)	34.9						
			10 MPH Pace Speed	31-40						
			Number in Pace	324						
			Percent in Pace	64.0%						
			Number > 25 MPH	476						
			Percent > 25 MPH	94.4%						

City of Rochester Hills

1000 Rochester Hills Dr
Rochester Hills, MI 48309
248-656-4600

Serial Number: 5011
Location 1: Butler Rd
Location 2: See Reference Map

Start Date: 9/13/2024
End Date: 9/17/2024

Direction: Combined

9/16/2024										Total
Time	0 - 5 MPH	> 5 - 10 MPH	> 10 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 MPH		
12:00 AM	0	0	0	0	0	0	0	0	1	1
1:00	0	0	0	0	0	0	1	0	1	2
2:00	0	0	0	0	0	0	0	0	0	0
3:00	0	0	0	1	0	0	0	0	2	3
4:00	0	0	0	0	0	0	1	0	0	1
5:00	0	0	0	0	0	0	5	1	10	16
6:00	0	0	0	0	0	3	7	29	33	72
7:00	0	0	0	0	0	1	6	25	36	68
8:00	0	0	1	2	0	0	4	15	26	48
9:00	0	0	0	0	0	2	11	9	19	41
10:00	0	0	0	0	0	3	7	23	16	49
11:00	0	1	0	1	2	6	18	28	28	56
12:00 PM	0	0	0	0	0	4	8	21	23	56
1:00	0	0	0	0	0	3	8	28	21	60
2:00	0	0	0	0	0	0	6	20	42	68
3:00	0	2	0	1	5	12	34	36	36	90
4:00	0	0	0	0	0	4	12	34	39	89
5:00	0	0	0	0	0	1	12	23	39	75
6:00	0	0	0	0	1	0	8	16	19	44
7:00	0	0	0	0	0	1	6	21	7	35
8:00	0	0	0	0	0	1	2	11	7	21
9:00	0	0	0	0	0	0	1	2	5	8
10:00	0	0	1	0	0	0	2	1	0	4
11:00	0	0	0	0	0	1	1	2	0	4
Total	0	3	2	6	31	126	333	410		911
Percent	0.0%	0.2%	0.1%	0.3%	1.7%	6.9%	18.3%	22.5%		50.0%
AM Peak		11:00	8:00	8:00	6:00	9:00	6:00	7:00		6:00
	*	1	1	2	3	11	29	36		72
PM Peak		3:00	10:00	3:00	3:00	3:00	3:00	2:00		3:00
	*	2	1	1	5	12	34	42		90
Speed Statistics	Percentile			15th	50th	85th	95th			
	Speed			28	33	39	43			
	Mean Speed (Average)			37.0						
	10 MPH Pace Speed			30-39						
	Number in Pace			497						
	Percent in Pace			55.0%						
	Number > 25 MPH			869						
	Percent > 25 MPH			95.4%						

City of Rochester Hills

1000 Rochester Hills Dr
Rochester Hills, MI 48309
248-656-4600

Serial Number: 5011
Location 1: Butler Rd
Location 2: See Reference Map

Start Date: 9/13/2024
End Date: 9/17/2024

Direction: Combined

9/17/2024										Total
Time	0 - 5 MPH	> 5 - 10 MPH	> 10 - 15 MPH	> 15 - 20 MPH	> 20 - 25 MPH	> 25 - 30 MPH	> 30 - 35 MPH	> 35 MPH		
12:00 AM	0	0	0	0	0	0	0	0	0	
1:00	0	0	0	0	0	0	1	0	1	
2:00	0	0	0	0	0	0	0	0	0	
3:00	0	0	0	0	0	0	1	1	2	
4:00	0	0	0	0	0	0	0	3	3	
5:00	0	0	0	0	0	4	5	8	17	
6:00	0	1	0	2	6	11	26	43	89	
7:00	0	0	0	1	0	12	24	42	79	
8:00	0	0	0	0	0	13	20	29	62	
9:00	0	0	0	0	1	8	15	18	42	
10:00	0	0	0	1	2	8	20	18	49	
11:00	0	0	0	2	7	12	25	32	78	
12:00 PM	0	0	0	0	0	10	19	17	46	
1:00	0	0	0	0	2	12	25	24	63	
2:00	0	0	0	0	0	7	26	47	80	
3:00	0	0	0	2	0	10	27	57	96	
4:00	0	0	0	0	4	7	35	57	103	
5:00	0	0	0	1	1	13	31	37	83	
6:00	0	0	1	2	4	9	31	19	66	
7:00	0	0	0	0	0	5	13	14	32	
8:00	0	0	0	0	1	1	4	9	15	
9:00	0	0	0	0	0	3	5	6	14	
10:00	0	0	0	0	0	2	1	5	8	
11:00	0	0	0	0	0	2	3	0	5	
Total	0	1	1	11	28	149	357	486	1033	
Percent	0.0%	0.0%	0.0%	0.5%	1.4%	7.2%	17.3%	23.5%	50.0%	
AM Peak		6:00		6:00	11:00	8:00	6:00	6:00	6:00	
	*	1	*	2	7	13	26	43	89	
PM Peak			6:00	3:00	4:00	5:00	4:00	3:00	4:00	
	*	*	1	2	4	13	35	57	103	
Speed Statistics	Percentile			15th	50th	85th	95th			
	Speed			29	34	39	43			
	Mean Speed (Average)			38.2						
	10 MPH Pace Speed			29-38						
	Number in Pace			531						
	Percent in Pace			52.0%						
	Number > 25 MPH			992						
	Percent > 25 MPH			96.0%						