

**City of Rochester Hills  
Signal Warrant Study  
Intersection: Tienken Rd and Grandview/Brookwood Intersection**

Traffic Volume Conducted on: February 19-21, 2003

Ending Time	Major Road EB Tienken	Major Road WB Tienken	Major Road Tienken Total	Minor Road SB Grandview	Minor Road NB Brookwood
0:00	43	34	77	3	2
1:00	28	18	46	3	0
2:00	16	20	36	0	0
3:00	14	20	34	0	2
4:00	20	48	68	8	4
5:00	86	225	311	55	8
6:00	234	574	808	126	51
7:00	505	759	1264	138	97
8:00	515	619	1134	113	56
9:00	398	531	929	83	37
10:00	352	425	777	33	51
11:00	445	535	980	53	36
12:00	434	538	972	62	48
13:00	443	472	915	64	30
14:00	684	626	1310	93	46
15:00	781	688	1469	85	50
16:00	782	686	1468	78	48
17:00	796	860	1656	74	44
18:00	682	730	1412	110	44
19:00	500	572	1072	80	36
20:00	413	418	831	39	22
21:00	330	307	637	26	12
22:00	158	192	350	19	10
23:00	82	95	177	14	4
<b>Total</b>	<b>8741</b>	<b>9992</b>	<b>18733</b>	<b>1359</b>	<b>738</b>

Volume Warrant #1

Major Road 600 Vehicles per hour on major street (total of both approaches)

Local Road 150 vehicles per hour (one direction only)

Volume Warrant #2

Major Road 900 Vehicles per hour on major street (total of both approaches)

Local Road 75 vehicles per hour (one direction only)

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