

MEMORANDUM

TO: Honorable Mayor and City Council
FROM: Mike Fischer, Community Development Director
DATE: May 1, 2019
SUBJECT: May Traffic & Safety Committee Meeting

On Wednesday May 1, 2019, the Traffic & Safety Committee met to discuss one business item. Members present: Community Member Bill Borchardt, Council Liaison Jim Whitlock, Police Chief Ross Gullickson, Public Works Director Nate Host and Community Development Director Mike Fischer.

The following is a summary of the meeting:

1. Request to review traffic conditions at the intersection of Lookout Drive and Commerce Drive

Staff presented a request from Steve Schneider to incorporate the use of flashing yellow lights during non-peak hours at the traffic lights at Lookout Drive and Commerce Drive to reduce traffic noise. Staff summarized a speed study done in 2016 which documented traffic counts by hour. Public Works Director Host stated that the traffic lights at this intersection cannot be configured to flash yellow and summarized Bolton & Menk's concerns for flashing yellow lights. The Committee discussed truck traffic, traffic speeds, volumes, and the timing of the existing traffic lights on Lookout Drive. The Committee has discussions regarding the lack of other citizen concerns, the cost to replace traffic signals and safety concerns related to the applicant's request. Police Chief Gullickson stated that officers patrol the area regularly and will continue to patrol in the future.

RECOMMENDATION

As the traffic lights at this intersection cannot be programmed to flash yellow and safety concerns associated with the request, the Committee recommends no change to the traffic signal at this intersection.

MEMORANDUM

TO: Traffic & Safety Committee Meeting

FROM: Mike Fischer, Community Development Director

DATE: April 24, 2019

SUBJECT: May Traffic & Safety Committee Meeting

A meeting of the Traffic & Safety Committee has been scheduled for Wednesday, May 1, 2019 at 2:00 p.m. in the Municipal Building Council Chambers.

AGENDA

1. Request to review traffic conditions at the intersection of Lookout Drive and Commerce Drive.

1. Request to review traffic conditions at the intersection of Lookout Drive and Commerce Drive

Attached is a request from Steve Schneider to change the traffic signal at this intersection to a flashing yellow from the hours of 9:00 p.m. to 5:00 a.m. to address vehicle noise in this area. Specifically, to address noise associated with the starting and stopping of vehicles at this intersection during non-peak hours.

Attached is a speed study conducted by Bolton & Menk of this area conducted in 2016 what includes the amount of traffic on Lookout Drive per hour traveling both northbound and southbound over a 3 day period. This information can be used by the Traffic & Safety Committee as part of the review of this request.

Michael Fischer

From: Stephen Schneider <stephenschndr@gmail.com>
Sent: Monday, March 25, 2019 3:56 PM
To: michaelf@northmankato.com
Subject: Traffic noise

I recently moved into an apartment in the northwest corner of Commerce Dr./ Northridge and Lookout Dr. and have been routinely awakened well into the early hours (midnight-4am) by heavy traffic (18-wheelers with jake brakes) and smaller pick-ups with loud exhaust systems as they approach the stop lite heading mostly north or south on Lookout Dr. My question is, would it be possible, at least for a trial period, to change the traffic signal on north and south-bound Lookout Dr. to a flashing yellow say, from 9-pm to 5-am thereby allowing traffic to continue through the intersection without having to stop and start and go through multiple gear changes and a great deal of noise (for big trucks up to 8-10 gear changes in a short distance) ? In spite of a posted sign saying "Noise ordinance will be enforced" I have never seen any enforcement on the issue. This is simply a question that may have already been brought to the attention of the city, but I would appreciate a response on the matter. Thank you,

Steve Schneider / 651-895-4302



Real People. Real Solutions.

12224 Nicollet Avenue
Burnsville, MN 55337-1649

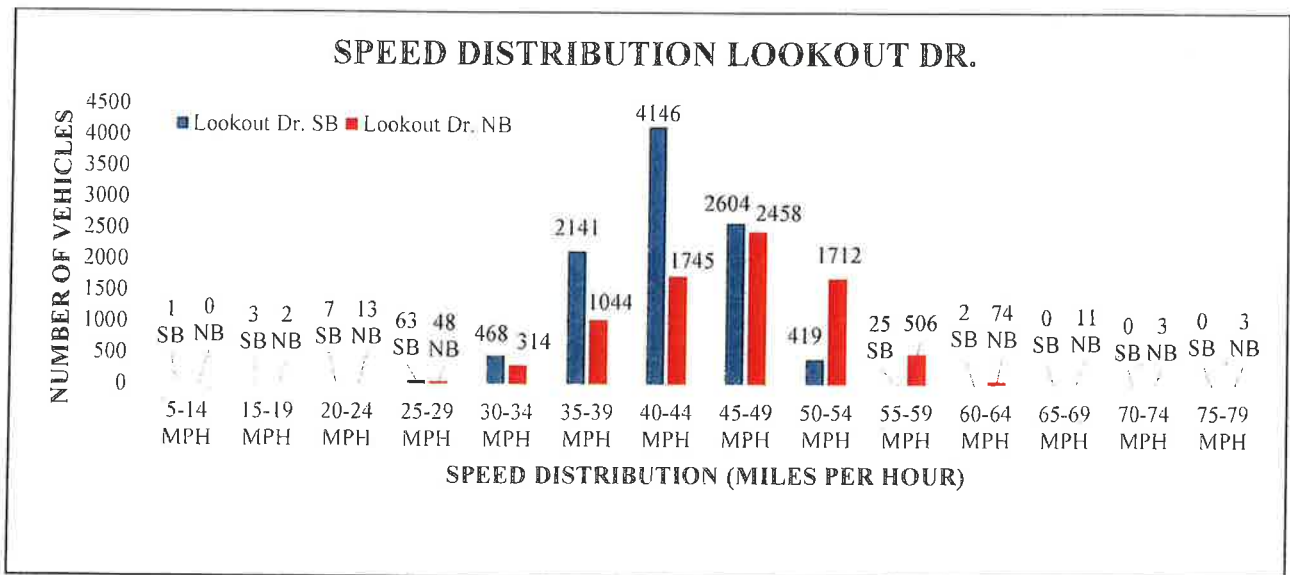
Ph: (952) 890-0509
Fax: (952) 890-8065
Bolton-Menk.com

MEMORANDUM

Date: 9/22/2016
To: City of North Mankato
From: Ross Tillman, P.E.
 Curt Brezina, E.I.T.
Subject: Speed study on Lookout Dr. near Commerce Dr.
 City of North Mankato
 Project No.: M18.111274

The City of North Mankato requested a speed study along the corridor of Lookout Dr. near the cross streets of Commerce Dr. and Restless Ct. The posted speed on Lookout Dr. in this area is 45 MPH. Traffic tube counters were used to assess the vehicle speeds traveling in both directions. The dates the study occurred were from Wednesday August 31st to Thursday September 1st, along with Tuesday September 13th to Wednesday September 14th.

It was determined that traffic traveling along Lookout Dr. in the southbound direction, had an 85th percentile speed of 48 MPH and a median speed of 43 MPH. Vehicles traveling northbound had an 85th percentile speed of 53 MPH with a median speed of 47 MPH. The speed distribution is graphed below.



Please refer to attachments for all speed data collected for this study.

Daily Southbound Speeds (MPH)

Study Date: Tuesday, 09/13/2016

Unit ID:

Location: Lookout Dr. SB Traffic

Posted Speed: 45

	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-99	Total
00:00 - 00:59	0	0	0	0	1	8	13	6	2	0	0	0	0	0	0	30
01:00 - 01:59	0	0	0	0	2	5	5	4	0	0	0	0	0	0	0	16
02:00 - 02:59	0	0	0	1	0	1	5	3	0	0	0	0	0	0	0	10
03:00 - 03:59	0	0	0	0	2	2	1	4	0	0	0	0	0	0	0	9
04:00 - 04:59	0	0	0	0	3	7	7	4	2	0	0	0	0	0	0	23
05:00 - 05:59	0	0	0	2	2	14	25	22	6	1	0	0	0	0	0	72
06:00 - 06:59	0	0	0	1	8	34	77	52	6	0	0	0	0	0	0	178
07:00 - 07:59	0	0	1	5	52	175	233	162	31	3	0	0	0	0	0	662
08:00 - 08:59	0	0	0	3	21	90	183	87	12	1	1	0	0	0	0	398
09:00 - 09:59	0	0	0	0	10	34	78	65	13	4	0	0	0	0	0	204
10:00 - 10:59	0	0	0	1	7	44	81	55	7	1	0	0	0	0	0	196
11:00 - 11:59	1	1	0	3	11	57	124	79	12	0	0	0	0	0	0	288
12:00 - 12:59	0	1	0	2	11	60	131	70	11	1	0	0	0	0	0	287
13:00 - 13:59	0	0	0	2	15	54	94	56	10	1	0	0	0	0	0	232
14:00 - 14:59	0	0	0	4	10	75	105	67	10	1	0	0	0	0	0	272
15:00 - 15:59	0	0	1	4	12	89	182	87	13	0	0	0	0	0	0	388
16:00 - 16:59	0	0	1	2	12	96	180	129	15	1	0	0	0	0	0	436
17:00 - 17:59	0	0	0	1	14	80	211	124	12	1	0	0	0	0	0	443
18:00 - 18:59	0	0	0	2	7	56	121	62	8	0	0	0	0	0	0	256
19:00 - 19:59	0	0	0	2	10	48	94	38	5	0	0	0	0	0	0	197
20:00 - 20:59	0	0	0	1	11	37	68	23	4	0	0	0	0	0	0	144
21:00 - 21:59	0	0	0	0	2	23	37	19	2	0	0	0	0	0	0	83
22:00 - 22:59	0	0	0	0	2	15	25	8	0	0	0	0	0	0	0	50
23:00 - 23:59	0	0	0	0	3	6	15	2	0	0	0	0	0	0	0	26
Totals	1	2	3	36	228	1110	2095	1228	181	15	1	0	0	0	0	4900
Percent of Total	0.0	0.0	0.1	0.7	4.7	22.7	42.8	25.1	3.7	0.3	0.0	0.0	0.0	0.0	0.0	100
Percent of AM	0.0	0.0	0.0	0.8	5.7	22.6	39.9	26.0	4.4	0.5	0.0	0.0	0.0	0.0	0.0	100
Percent of PM	0.0	0.0	0.1	0.7	3.9	22.7	44.9	24.3	3.2	0.2	0.0	0.0	0.0	0.0	0.0	100

Standard Deviation:	5.0 MPH	Ten Mile Pace:	40 to 49 MPH	85th Percentile:	47.8 MPH
Mean Speed:	42.4 MPH	Percent in Ten Mile Pace:	67.8%	15th Percentile:	37.1 MPH
Median Speed:	42.6 MPH			90th Percentile:	48.8 MPH
Modal Speed:	42.5 MPH			95th Percentile:	49.8 MPH

Daily Southbound Speeds (MPH)

Study Date: Wednesday, 09/14/2016

Unit ID:

Location: Lookout Dr. SB Traffic

Posted Speed: 45

	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-99	Total
00:00 - 00:59	0	0	0	0	3	8	13	1	1	0	0	0	0	0	0	26
01:00 - 01:59	0	0	0	1	0	2	11	2	0	0	0	0	0	0	0	16
02:00 - 02:59	0	0	0	0	1	0	1	1	3	0	0	0	0	0	0	6
03:00 - 03:59	0	0	0	0	4	2	1	2	2	0	0	0	0	0	0	11
04:00 - 04:59	0	0	0	1	5	4	8	6	1	0	0	0	0	0	0	25
05:00 - 05:59	0	0	0	1	6	18	28	10	7	0	0	0	0	0	0	70
06:00 - 06:59	0	0	0	2	8	42	51	52	7	0	0	0	0	0	0	162
07:00 - 07:59	0	0	1	6	40	147	248	157	31	1	0	0	0	0	0	631
08:00 - 08:59	0	0	0	2	22	76	166	99	11	0	0	0	0	0	0	376
09:00 - 09:59	0	0	0	1	12	50	92	60	16	1	0	0	0	0	0	232
10:00 - 10:59	0	0	0	0	12	55	83	50	7	1	1	0	0	0	0	209
11:00 - 11:59	0	1	0	0	7	56	110	74	14	1	0	0	0	0	0	263
12:00 - 12:59	0	0	0	0	17	60	118	89	13	2	0	0	0	0	0	299
13:00 - 13:59	0	0	0	2	10	46	105	78	16	0	0	0	0	0	0	257
14:00 - 14:59	0	0	0	0	7	59	111	98	20	1	0	0	0	0	0	296
15:00 - 15:59	0	0	1	0	16	63	162	122	28	0	0	0	0	0	0	392
16:00 - 16:59	0	0	0	2	11	71	187	147	14	1	0	0	0	0	0	433
17:00 - 17:59	0	0	0	2	13	85	229	165	23	2	0	0	0	0	0	519
18:00 - 18:59	0	0	0	3	10	51	116	60	11	0	0	0	0	0	0	251
19:00 - 19:59	0	0	0	2	10	54	101	48	7	0	0	0	0	0	0	222
20:00 - 20:59	0	0	0	0	15	51	60	31	2	0	0	0	0	0	0	159
21:00 - 21:59	0	0	1	0	9	20	32	10	2	0	0	0	0	0	0	74
22:00 - 22:59	0	0	1	2	2	11	18	14	2	0	0	0	0	0	0	50
Totals	0	1	4	27	240	1031	2051	1376	238	10	1	0	0	0	0	4979
Percent of Total	0.0	0.0	0.1	0.5	4.8	20.7	41.2	27.6	4.8	0.2	0.0	0.0	0.0	0.0	0.0	100
Percent of AM	0.0	0.0	0.0	0.7	5.9	22.7	40.1	25.4	4.9	0.2	0.0	0.0	0.0	0.0	0.0	100
Percent of PM	0.0	0.0	0.1	0.4	4.1	19.3	42.0	29.2	4.7	0.2	0.0	0.0	0.0	0.0	0.0	100

Standard Deviation:	5.1 MPH	Ten Mile Pace:	40 to 49 MPH	85th Percentile:	48.2 MPH
Mean Speed:	42.8 MPH	Percent in Ten Mile Pace:	68.8%	15th Percentile:	37.3 MPH
Median Speed:	42.9 MPH			90th Percentile:	49.1 MPH
Modal Speed:	42.5 MPH			95th Percentile:	50.0 MPH

Daily Northbound Speeds (MPH)

Study Date: Wednesday, 08/31/2016

Unit ID:

Location: Lookout Dr. NB Traffic

Posted Speed: 45

	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-99	Total
00:00 - 00:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00 - 01:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00 - 02:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00 - 03:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00 - 04:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00 - 05:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00 - 06:59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00 - 07:59	0	0	2	0	5	13	53	92	66	16	1	0	0	0	0	248
08:00 - 08:59	0	0	2	0	4	26	53	109	76	17	2	1	0	0	0	290
09:00 - 09:59	0	0	1	2	10	26	48	66	40	5	3	0	0	0	0	201
10:00 - 10:59	0	0	0	3	11	30	42	61	31	18	1	0	0	0	0	197
11:00 - 11:59	0	1	0	1	15	45	62	69	41	12	6	0	0	0	0	252
12:00 - 12:59	0	0	0	1	8	30	80	89	84	40	1	2	0	0	0	335
13:00 - 13:59	0	0	0	1	12	54	50	95	67	22	6	1	0	0	0	308
14:00 - 14:59	0	0	1	3	6	47	58	83	59	23	2	0	0	1	0	283
15:00 - 15:59	0	0	0	2	19	48	88	110	77	23	0	1	1	0	0	369
16:00 - 16:59	0	0	0	1	16	52	77	130	102	26	9	0	0	0	0	413
17:00 - 17:59	0	0	1	3	7	37	78	143	113	35	5	1	1	0	0	424
18:00 - 18:59	0	0	0	3	6	20	52	75	72	14	2	0	0	0	0	244
19:00 - 19:59	0	0	0	0	9	34	38	71	39	17	1	2	0	0	0	211
20:00 - 20:59	0	0	0	0	5	25	54	55	30	6	2	0	0	0	0	177
21:00 - 21:59	0	0	0	1	4	15	36	38	18	4	0	0	0	0	0	116
22:00 - 22:59	0	0	0	0	7	8	33	30	19	5	0	0	0	0	0	102
23:00 - 23:59	0	0	0	0	1	7	8	16	10	3	0	0	0	0	0	45
Totals	0	1	7	21	145	517	910	1332	944	286	41	8	2	1	0	4215
Percent of Total	0.0	0.0	0.2	0.5	3.4	12.3	21.6	31.6	22.4	6.8	1.0	0.2	0.0	0.0	0.0	100
Percent of AM	0.0	0.1	0.4	0.5	3.8	11.8	21.7	33.4	21.4	5.7	1.1	0.1	0.0	0.0	0.0	100
Percent of PM	0.0	0.0	0.1	0.5	3.3	12.5	21.5	30.9	22.8	7.2	0.9	0.2	0.1	0.0	0.0	100

Standard Deviation:	6.8 MPH	Ten Mile Pace:	45 to 54 MPH	85th Percentile:	53.4 MPH
Mean Speed:	46.5 MPH	Percent in Ten Mile Pace:	54.0%	15th Percentile:	39.4 MPH
Median Speed:	46.9 MPH			90th Percentile:	54.6 MPH
Modal Speed:	47.5 MPH			95th Percentile:	57.2 MPH

Daily Northbound Speeds (MPH)

Study Date: Thursday, 09/01/2016

Unit ID:

Location: Lookout Dr. NB Traffic

Posted Speed: 45

	5-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-99	Total
00:00 - 00:59	0	0	0	0	2	1	2	7	2	0	0	0	0	0	0	14
01:00 - 01:59	0	0	0	0	1	4	4	5	1	2	0	0	0	0	0	17
02:00 - 02:59	0	0	0	0	3	0	0	4	1	0	0	0	0	0	0	8
03:00 - 03:59	0	0	0	0	2	2	3	3	4	2	1	0	0	0	0	17
04:00 - 04:59	0	0	0	0	3	2	9	13	12	3	0	0	0	0	0	42
05:00 - 05:59	0	0	0	1	1	5	17	21	15	6	3	0	0	0	0	69
06:00 - 06:59	0	0	0	1	1	10	31	67	47	14	2	0	0	0	0	173
07:00 - 07:59	0	0	0	1	5	18	61	144	98	17	1	0	0	0	0	345
08:00 - 08:59	0	0	0	1	6	29	43	68	61	9	4	1	0	0	0	222
09:00 - 09:59	0	1	0	1	11	30	44	50	22	5	1	0	0	0	0	165
10:00 - 10:59	0	0	0	3	10	33	38	41	25	8	1	0	0	0	0	159
11:00 - 11:59	0	0	2	2	16	38	51	56	23	14	3	1	0	0	0	206
12:00 - 12:59	0	0	0	1	10	40	61	71	65	14	2	0	0	1	0	265
13:00 - 13:59	0	0	1	1	13	45	52	60	29	14	4	0	1	1	0	221
14:00 - 14:59	0	0	0	1	13	32	49	55	63	13	3	0	0	0	0	229
15:00 - 15:59	0	0	1	2	7	54	71	74	51	20	2	0	0	0	0	282
16:00 - 16:59	0	0	2	4	11	52	87	85	61	23	2	0	0	0	0	327
17:00 - 17:59	0	0	0	4	11	33	56	77	77	25	3	0	0	0	0	286
18:00 - 18:59	0	0	0	1	6	33	46	54	40	14	0	0	0	0	0	194
19:00 - 19:59	0	0	0	0	17	25	40	76	29	9	0	1	0	0	0	197
20:00 - 20:59	0	0	0	2	4	17	25	46	24	3	0	0	0	0	0	121
21:00 - 21:59	0	0	0	0	9	13	25	31	14	2	1	0	0	0	0	95
22:00 - 22:59	0	0	0	1	7	11	20	18	4	3	0	0	0	0	0	64
Totals	0	1	6	27	169	527	835	1126	768	220	33	3	1	2	0	3718
Percent of Total	0.0	0.0	0.2	0.7	4.5	14.2	22.5	30.3	20.7	5.9	0.9	0.1	0.0	0.1	0.0	100
Percent of AM	0.0	0.1	0.1	0.7	4.2	12.0	21.1	33.3	21.6	5.6	1.1	0.1	0.0	0.0	0.0	100
Percent of PM	0.0	0.0	0.2	0.7	4.7	15.6	23.3	28.4	20.0	6.1	0.7	0.0	0.0	0.1	0.0	100

Standard Deviation:	6.9 MPH	Ten Mile Pace:	40 to 49 MPH	85th Percentile:	53.1 MPH
Mean Speed:	45.9 MPH	Percent in Ten Mile Pace:	52.7%	15th Percentile:	38.4 MPH
Median Speed:	46.3 MPH			90th Percentile:	54.3 MPH
Modal Speed:	47.5 MPH			95th Percentile:	56.7 MPH