

USH 41: STH 114 TO BREEZEWOOD LN/BELL ST (WINNEBAGO COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR SOUTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH			
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	247	0.0	1500	247	0	0.50	0	70.2	49.4	44.5
1-2 AM	170	0.0	1500	170	0	0.49	0	70.2	49.7	44.8
2-3 AM	179	0.0	1500	179	0	0.49	0	70.2	49.6	44.8
3-4 AM	239	0.0	1500	239	0	0.50	0	70.2	49.4	44.5
4-5 AM	465	0.0	1500	465	0	0.53	0	70.2	48.6	43.7
5-6 AM	1132	0.0	OFF	1132	0	0.00	0	69.3	69.3	69.3
6-7 AM	2291	0.0	OFF	2291	0	0.00	0	67.9	67.9	67.9
7-8 AM	3386	0.0	OFF	3386	0	0.00	0	66.5	66.5	66.5
8-9 AM	2489	0.0	OFF	2489	0	0.00	0	67.6	67.6	67.6
9-10 AM	2023	0.0	OFF	2023	0	0.00	0	68.2	68.2	68.2
10-11 AM	1949	0.0	OFF	1949	0	0.00	0	68.3	68.3	68.3
11AM-NOON	2042	0.0	OFF	2042	0	0.00	0	68.2	68.2	68.2
NOON-1PM	2076	0.0	OFF	2076	0	0.00	0	68.1	68.1	68.1
1-2 PM	2259	0.0	OFF	2259	0	0.00	0	67.9	67.9	67.9
2-3 PM	2595	0.0	OFF	2595	0	0.00	0	67.5	67.5	67.5
3-4 PM	2808	0.0	OFF	2808	0	0.00	0	67.3	67.3	67.3
4-5 PM	3297	0.0	OFF	3297	0	0.00	0	66.6	66.6	66.6
5-6 PM	2999	0.0	OFF	2999	0	0.00	0	67.0	67.0	67.0
6-7 PM	1838	0.0	OFF	1838	0	0.00	0	68.4	68.4	68.4
7-8 PM	1301	0.0	1500	1301	0	0.84	0	69.1	40.9	35.5
8-9 PM	1215	0.0	1500	1215	0	0.73	0	69.2	43.3	38.0
9-10 PM	1031	0.0	1500	1031	0	0.59	0	69.4	46.6	41.5
10-11 PM	736	0.0	1500	736	0	0.56	0	69.8	47.6	42.6
11PM-MID	427	0.0	1500	427	0	0.52	0	70.2	48.7	43.8

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0087
MAIN ROUTE WITH WORKS	0.0083
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$806
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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NIGHTTIME 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

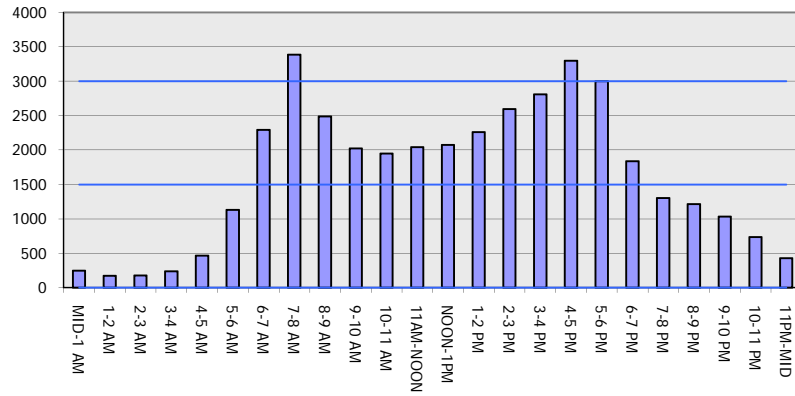
OCTOBER

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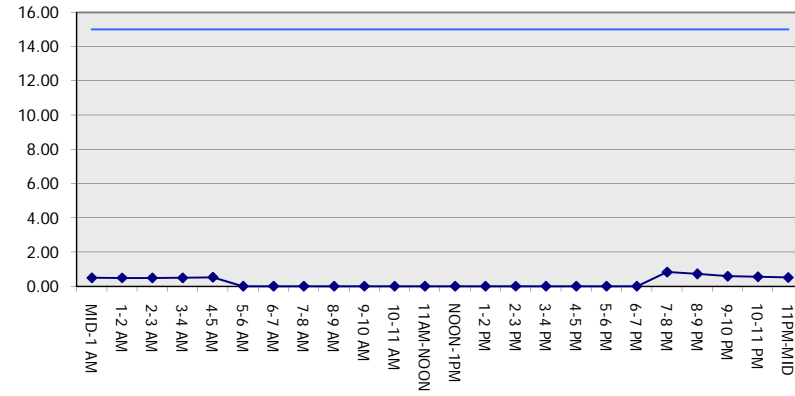
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR SOUTHBOUND DIRECTION

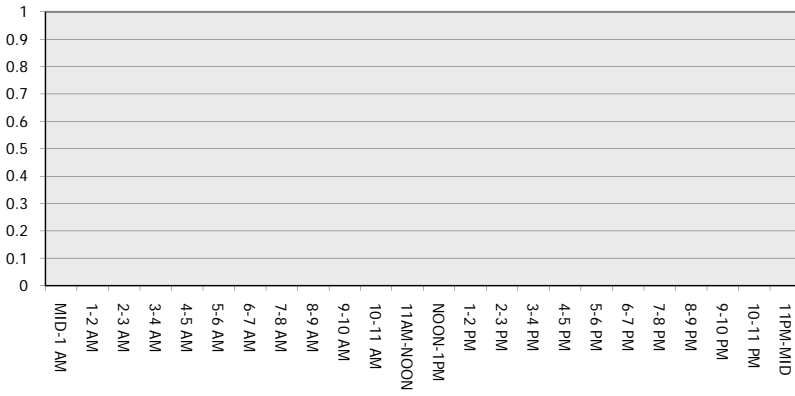
Main Route - Traffic Demand (Vehicles Per Hour)



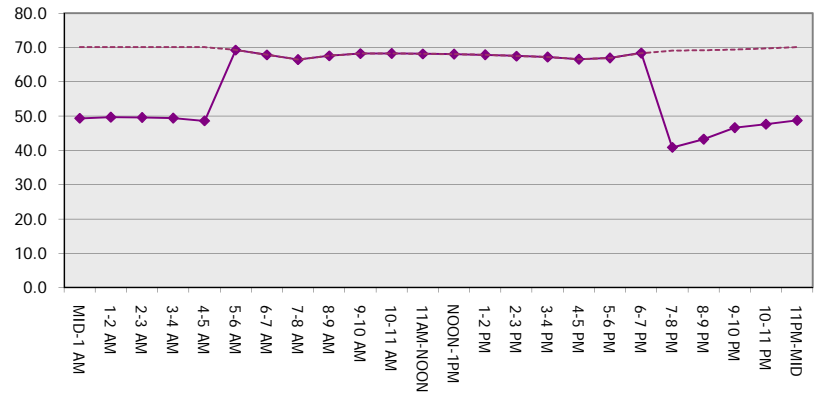
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH			
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	246	0.0	1500	246	0	0.50	0	70.2	49.4	44.5
1-2 AM	179	0.0	1500	179	0	0.49	0	70.2	49.6	44.8
2-3 AM	159	0.0	1500	159	0	0.49	0	70.2	49.7	44.8
3-4 AM	186	0.0	1500	186	0	0.50	0	70.2	49.6	44.7
4-5 AM	362	0.0	1500	362	0	0.52	0	70.2	49.0	44.0
5-6 AM	1072	0.0	OFF	1072	0	0.00	0	69.4	69.4	69.4
6-7 AM	1991	0.0	OFF	1991	0	0.00	0	68.2	68.2	68.2
7-8 AM	3417	0.0	OFF	3417	0	0.00	0	66.5	66.5	66.5
8-9 AM	2347	0.0	OFF	2347	0	0.00	0	67.8	67.8	67.8
9-10 AM	2097	0.0	OFF	2097	0	0.00	0	68.1	68.1	68.1
10-11 AM	2079	0.0	OFF	2079	0	0.00	0	68.1	68.1	68.1
11AM-NOON	2196	0.0	OFF	2196	0	0.00	0	68.0	68.0	68.0
NOON-1PM	2184	0.0	OFF	2184	0	0.00	0	68.0	68.0	68.0
1-2 PM	2243	0.0	OFF	2243	0	0.00	0	67.9	67.9	67.9
2-3 PM	2587	0.0	OFF	2587	0	0.00	0	67.5	67.5	67.5
3-4 PM	3188	0.0	OFF	3188	0	0.00	0	66.8	66.8	66.8
4-5 PM	3571	0.0	OFF	3571	0	0.00	0	66.3	66.3	66.3
5-6 PM	3228	0.0	OFF	3228	0	0.00	0	66.7	66.7	66.7
6-7 PM	2051	0.0	OFF	2051	0	0.00	0	68.2	68.2	68.2
7-8 PM	1275	0.0	1500	1275	0	0.81	0	69.1	41.5	36.2
8-9 PM	1108	0.0	1500	1108	0	0.60	0	69.4	46.4	41.3
9-10 PM	894	0.0	1500	894	0	0.58	0	69.6	47.1	42.0
10-11 PM	634	0.0	1500	634	0	0.55	0	69.9	48.0	43.0
11PM-MID	462	0.0	1500	462	0	0.53	0	70.2	48.6	43.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0088
MAIN ROUTE WITH WORKS	0.0085
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$701
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR NORTHBOUND DIRECTION

