

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

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	279	0.0	3000	279	0	0.36	0	70.2	54.0	49.7
1-2 AM	196	0.0	3000	196	0	0.36	0	70.2	54.0	49.7
2-3 AM	241	0.0	3000	241	0	0.36	0	70.2	54.0	49.7
3-4 AM	254	0.0	3000	254	0	0.36	0	70.2	54.0	49.7
4-5 AM	429	0.0	3000	429	0	0.36	0	70.2	54.0	49.7
5-6 AM	1036	0.0	OFF	1036	0	0.00	0	69.4	69.4	69.4
6-7 AM	2057	0.0	OFF	2057	0	0.00	0	68.2	68.2	68.2
7-8 AM	3048	0.0	OFF	3048	0	0.00	0	66.9	66.9	66.9
8-9 AM	2456	0.0	OFF	2456	0	0.00	0	67.7	67.7	67.7
9-10 AM	2042	0.0	OFF	2042	0	0.00	0	68.2	68.2	68.2
10-11 AM	2227	0.0	OFF	2227	0	0.00	0	67.9	67.9	67.9
11AM-NOON	2399	0.0	OFF	2399	0	0.00	0	67.8	67.8	67.8
NOON-1PM	2675	0.0	OFF	2675	0	0.00	0	67.4	67.4	67.4
1-2 PM	2911	0.0	OFF	2911	0	0.00	0	67.1	67.1	67.1
2-3 PM	3145	0.0	OFF	3145	0	0.00	0	66.8	66.8	66.8
3-4 PM	3444	0.0	OFF	3444	0	0.00	0	66.4	66.4	66.4
4-5 PM	3732	0.0	OFF	3732	0	0.00	0	65.4	65.4	65.4
5-6 PM	3409	0.0	OFF	3409	0	0.00	0	66.5	66.5	66.5
6-7 PM	2346	0.0	OFF	2346	0	0.00	0	67.8	67.8	67.8
7-8 PM	1645	0.0	3000	1645	0	0.34	0	68.7	53.7	49.7
8-9 PM	1424	0.0	3000	1424	0	0.34	0	69.0	53.8	49.7
9-10 PM	1282	0.0	3000	1282	0	0.35	0	69.1	53.8	49.7
10-11 PM	1005	0.0	3000	1005	0	0.35	0	69.5	53.8	49.7
11PM-MID	644	0.0	3000	644	0	0.36	0	69.9	53.9	49.7

"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	0.0099
MAIN ROUTE WITH WORKS	0.0094
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$530
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

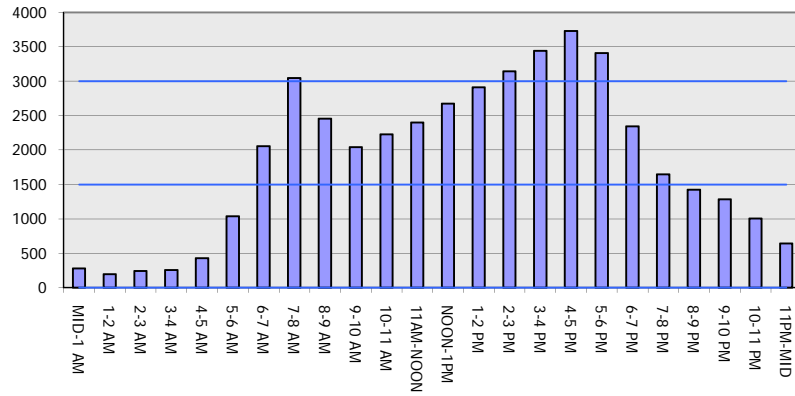
OCTOBER

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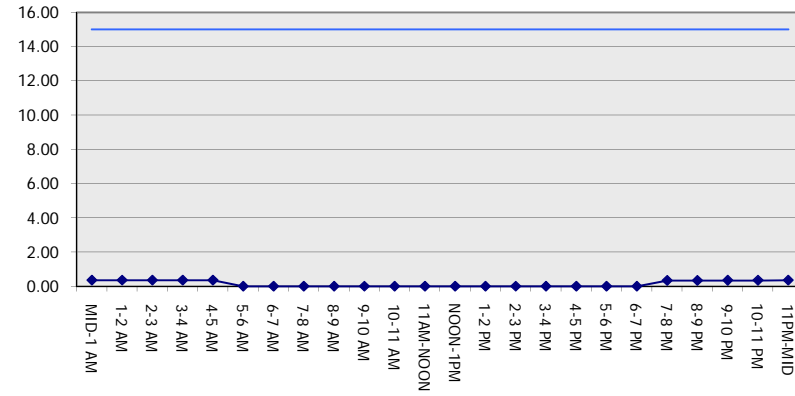
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY SOUTHBOUND DIRECTION

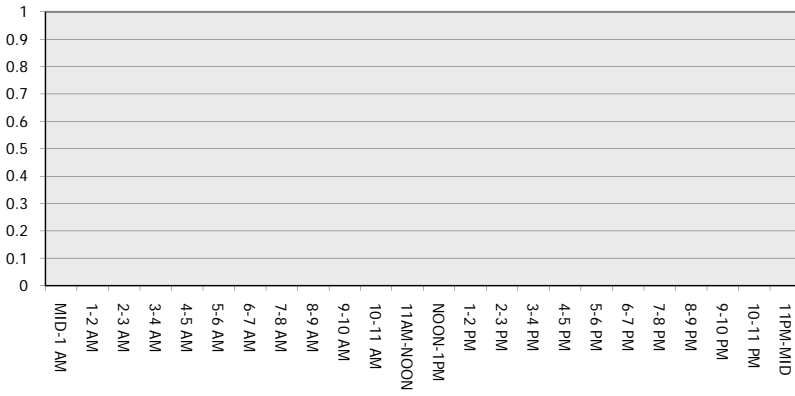
Main Route - Traffic Demand (Vehicles Per Hour)



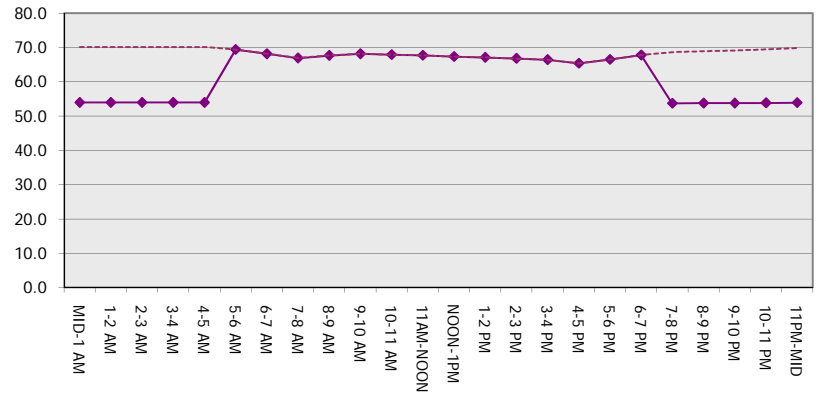
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	310	0.0	3000	310	0	0.36	0	70.2	54.0	49.7
1-2 AM	243	0.0	3000	243	0	0.36	0	70.2	54.0	49.7
2-3 AM	217	0.0	3000	217	0	0.36	0	70.2	54.0	49.7
3-4 AM	216	0.0	3000	216	0	0.36	0	70.2	54.0	49.7
4-5 AM	382	0.0	3000	382	0	0.36	0	70.2	54.0	49.7
5-6 AM	961	0.0	OFF	961	0	0.00	0	69.6	69.6	69.6
6-7 AM	1841	0.0	OFF	1841	0	0.00	0	68.4	68.4	68.4
7-8 AM	3141	0.0	OFF	3141	0	0.00	0	66.8	66.8	66.8
8-9 AM	2306	0.0	OFF	2306	0	0.00	0	67.9	67.9	67.9
9-10 AM	2263	0.0	OFF	2263	0	0.00	0	67.9	67.9	67.9
10-11 AM	2514	0.0	OFF	2514	0	0.00	0	67.6	67.6	67.6
11AM-NOON	2816	0.0	OFF	2816	0	0.00	0	67.3	67.3	67.3
NOON-1PM	2866	0.0	OFF	2866	0	0.00	0	67.2	67.2	67.2
1-2 PM	3064	0.0	OFF	3064	0	0.00	0	66.9	66.9	66.9
2-3 PM	3343	0.0	OFF	3343	0	0.00	0	66.6	66.6	66.6
3-4 PM	3892	0.0	OFF	3892	0	0.00	0	64.3	64.3	64.3
4-5 PM	4114	0.0	OFF	4114	0	0.00	0	62.8	62.8	62.8
5-6 PM	3948	0.0	OFF	3948	0	0.00	0	63.9	63.9	63.9
6-7 PM	2966	0.0	OFF	2966	0	0.00	0	67.1	67.1	67.1
7-8 PM	2046	0.0	3000	2046	0	0.33	0	68.2	53.7	49.7
8-9 PM	1434	0.0	3000	1434	0	0.34	0	68.9	53.8	49.7
9-10 PM	1245	0.0	3000	1245	0	0.35	0	69.2	53.8	49.7
10-11 PM	882	0.0	3000	882	0	0.35	0	69.6	53.8	49.7
11PM-MID	650	0.0	3000	650	0	0.36	0	69.9	53.9	49.7

"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	0.0106
MAIN ROUTE WITH WORKS	0.0101
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$541
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
 FRIDAY NORTHBOUND DIRECTION**

