

<b>USH 41: STH 114 TO BREEZEWOOD LN/BELL ST (WINNEBAGO COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>OCTOBER</b>
	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	1500	279	0	0.51	0	70.2	49.3	44.3
1-2 AM	196	0.0	1500	196	0	0.50	0	70.2	49.6	44.7
2-3 AM	241	0.0	1500	241	0	0.50	0	70.2	49.4	44.5
3-4 AM	254	0.0	1500	254	0	0.50	0	70.2	49.4	44.5
4-5 AM	429	0.0	1500	429	0	0.53	0	70.2	48.7	43.8
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	1499	1645	0	4.68	101	68.7	14.6	30.8
8-9 PM	1424	0.0	1499	1424	0	5.54	118	69.0	12.8	30.8
9-10 PM	1282	0.0	1500	1282	0	1.19	14	69.1	34.9	35.5
10-11 PM	1005	0.0	1500	1005	0	0.59	0	69.5	46.8	41.7
11PM-MID	644	0.0	1500	644	0	0.55	0	69.9	48.0	43.0

"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	\$4,551
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

**USH 41: STH 114 TO BREEZEWOOD LN/BELL ST (WINNEBAGO COUNTY)  
 NIGHTTIME 2 LANE CLOSURE  
 NO DIVERSION ROUTE (MAX QUEUE METHOD)**

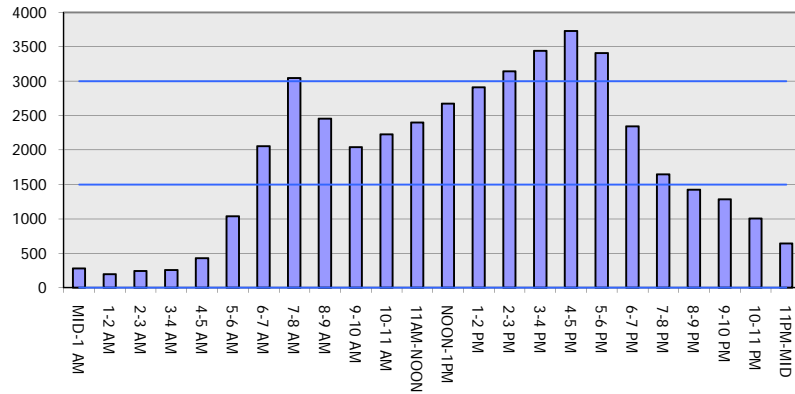
**OCTOBER**

Analyzed for 2009  
 Construction Season

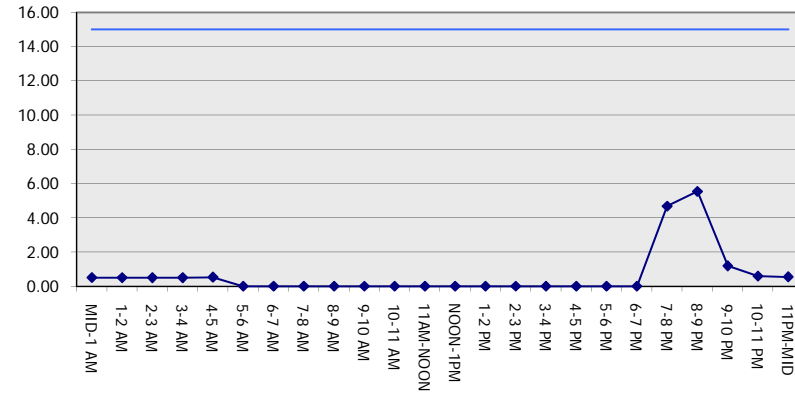
**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**FRIDAY SOUTHBOUND DIRECTION**

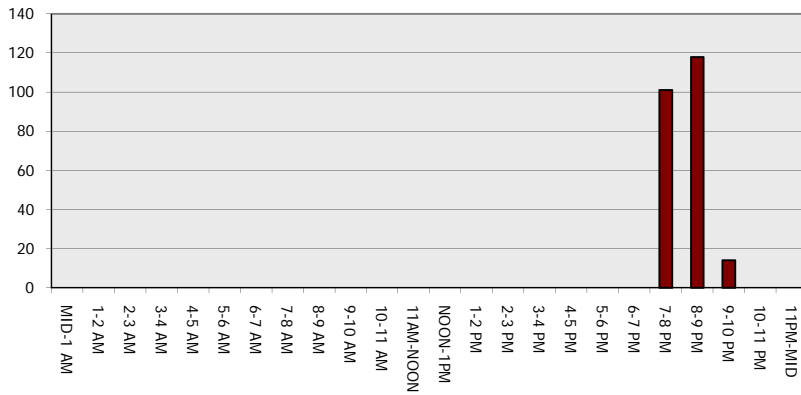
**Main Route - Traffic Demand (Vehicles Per Hour)**



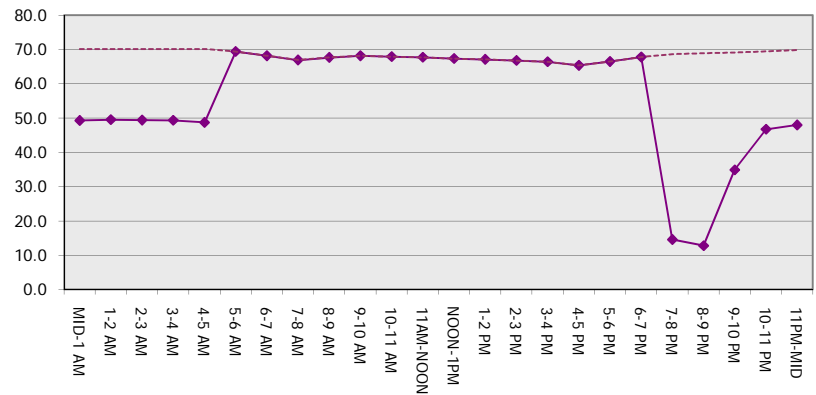
**Main Route Average Delay Per Vehicle (Minutes)**



**Main Route - Average Queue Length (Vehicles)**



**Main Route - Average Speed (MPH)**



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

**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	1500	310	0	0.51	0	70.2	49.2	44.2
1-2 AM	243	0.0	1500	243	0	0.50	0	70.2	49.4	44.5
2-3 AM	217	0.0	1500	217	0	0.50	0	70.2	49.5	44.6
3-4 AM	216	0.0	1500	216	0	0.50	0	70.2	49.5	44.6
4-5 AM	382	0.0	1500	382	0	0.52	0	70.2	48.9	44.0
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	1499	1891	155	11.63+	301	68.2	8.3	30.8
8-9 PM	1434	0.0	1500	1434	0	15.72+	383	68.9	6.9	30.8
9-10 PM	1245	0.0	1499	1245	0	8.63	214	69.2	9.9	32.2
10-11 PM	882	0.0	1500	882	0	0.67	4	69.6	44.7	42.0
11PM-MID	650	0.0	1500	650	0	0.55	0	69.9	47.9	43.0

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

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

*----- 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'	0.0001

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$14,234
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding User-Specified Maximum

**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

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

