

USH 41: STH 114 TO BREEZEWOOD LN/BELL ST (WINNEBAGO COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	280	0.0	OFF	280	0	0.00	0	70.2	70.2	70.2
1-2 AM	202	0.0	OFF	202	0	0.00	0	70.2	70.2	70.2
2-3 AM	202	0.0	OFF	202	0	0.00	0	70.2	70.2	70.2
3-4 AM	262	0.0	OFF	262	0	0.00	0	70.2	70.2	70.2
4-5 AM	496	0.0	OFF	496	0	0.00	0	70.1	70.1	70.1
5-6 AM	1164	0.0	OFF	1164	0	0.00	0	69.3	69.3	69.3
6-7 AM	2251	0.0	OFF	2251	0	0.00	0	67.9	67.9	67.9
7-8 AM	3056	0.0	OFF	3056	0	0.00	0	66.9	66.9	66.9
8-9 AM	2411	0.0	OFF	2411	0	0.00	0	67.8	67.8	67.8
9-10 AM	2096	0.0	OFF	2096	0	0.00	0	68.1	68.1	68.1
10-11 AM	2087	0.0	1499	1943	144	10.09+	269	68.1	9.1	30.8
11AM-NOON	2155	0.0	1500	1497	657	17.27+	424	68.1	6.5	30.8
NOON-1PM	2263	0.0	1499	1498	765	17.28+	424	67.9	6.5	30.8
1-2 PM	2496	0.0	1499	1497	999	17.30+	424	67.6	6.5	30.8
2-3 PM	2735	0.0	1499	1494	1241	17.41+	428	67.3	6.5	30.8
3-4 PM	2912	0.0	OFF	2912	0	0.31	29	67.1	53.8	53.8
4-5 PM	3346	0.0	OFF	3346	0	0.00	0	66.6	66.6	66.6
5-6 PM	3115	0.0	OFF	3115	0	0.00	0	66.9	66.9	66.9
6-7 PM	1973	0.0	OFF	1973	0	0.00	0	68.3	68.3	68.3
7-8 PM	1423	0.0	OFF	1423	0	0.00	0	69.0	69.0	69.0
8-9 PM	1293	0.0	OFF	1293	0	0.00	0	69.1	69.1	69.1
9-10 PM	1112	0.0	OFF	1112	0	0.00	0	69.4	69.4	69.4
10-11 PM	880	0.0	OFF	880	0	0.00	0	69.6	69.6	69.6
11PM-MID	587	0.0	OFF	587	0	0.00	0	70.0	70.0	70.0

"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	0.0091
MAIN ROUTE WITH WORKS	0.0077
'DIVERSION'	0.0020
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$41,552
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

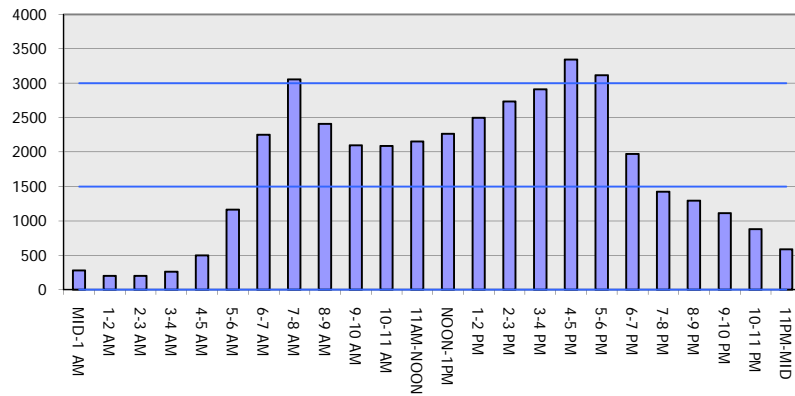
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NO DIVERSION ROUTE (MAX QUEUE METHOD)

AUGUST

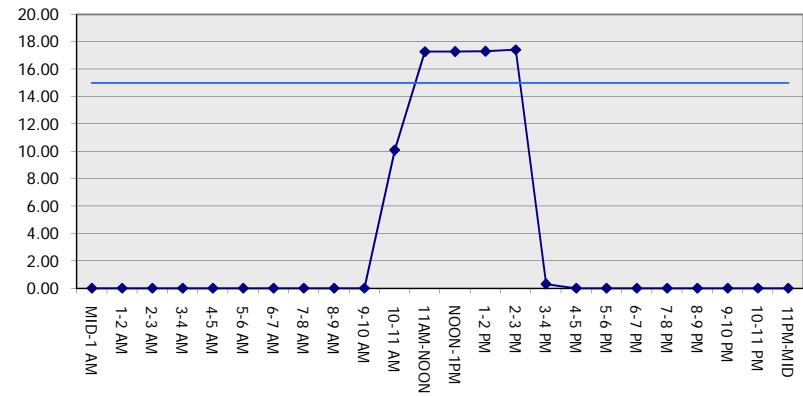
Analyzed for 2009
 Construction Season

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

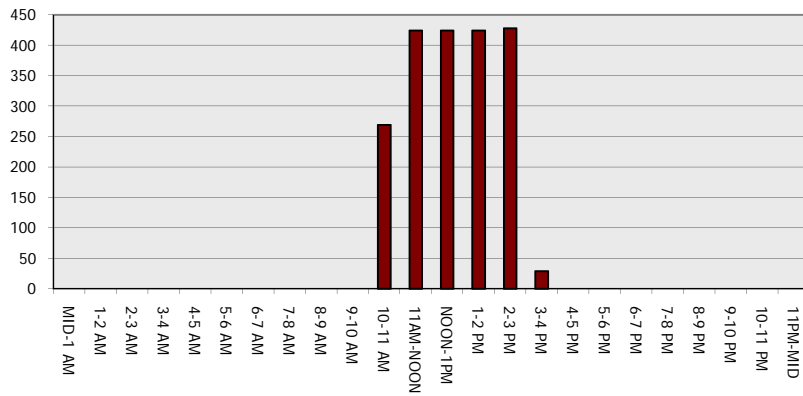
Main Route - Traffic Demand (Vehicles Per Hour)



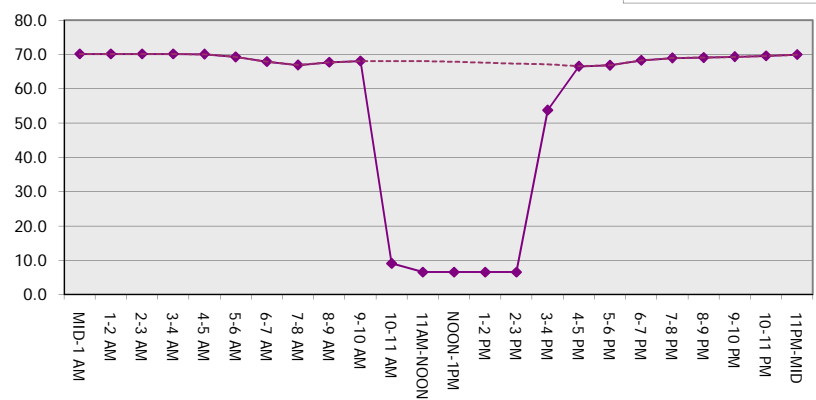
Main Route Average Delay Per Vehicle (Minutes)



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	295	0.0	OFF	295	0	0.00	0	70.2	70.2	70.2
1-2 AM	217	0.0	OFF	217	0	0.00	0	70.2	70.2	70.2
2-3 AM	187	0.0	OFF	187	0	0.00	0	70.2	70.2	70.2
3-4 AM	207	0.0	OFF	207	0	0.00	0	70.2	70.2	70.2
4-5 AM	398	0.0	OFF	398	0	0.00	0	70.2	70.2	70.2
5-6 AM	1116	0.0	OFF	1116	0	0.00	0	69.4	69.4	69.4
6-7 AM	2010	0.0	OFF	2010	0	0.00	0	68.2	68.2	68.2
7-8 AM	3132	0.0	OFF	3132	0	0.00	0	66.8	66.8	66.8
8-9 AM	2312	0.0	OFF	2312	0	0.00	0	67.9	67.9	67.9
9-10 AM	2135	0.0	OFF	2135	0	0.00	0	68.1	68.1	68.1
10-11 AM	2251	0.0	1499	1871	380	11.62+	303	67.9	8.3	30.8
11AM-NOON	2342	0.0	1500	1514	828	17.32+	425	67.8	6.5	30.8
NOON-1PM	2319	0.0	1500	1505	814	17.28+	424	67.9	6.5	30.8
1-2 PM	2413	0.0	1500	1509	904	17.30+	425	67.8	6.5	30.8
2-3 PM	2708	0.0	1500	1521	1187	17.40+	427	67.4	6.5	30.8
3-4 PM	3164	0.0	OFF	3164	0	0.32	31	66.8	53.2	53.2
4-5 PM	3567	0.0	OFF	3567	0	0.00	0	66.3	66.3	66.3
5-6 PM	3306	0.0	OFF	3306	0	0.00	0	66.6	66.6	66.6
6-7 PM	2152	0.0	OFF	2152	0	0.00	0	68.1	68.1	68.1
7-8 PM	1454	0.0	OFF	1454	0	0.00	0	68.9	68.9	68.9
8-9 PM	1224	0.0	OFF	1224	0	0.00	0	69.2	69.2	69.2
9-10 PM	1009	0.0	OFF	1009	0	0.00	0	69.5	69.5	69.5
10-11 PM	774	0.0	OFF	774	0	0.00	0	69.8	69.8	69.8
11PM-MID	567	0.0	OFF	567	0	0.00	0	70.0	70.0	70.0

"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	0.0092
MAIN ROUTE WITH WORKS	0.0077
'DIVERSION'	0.0021

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$43,220
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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MON-THUR NORTHBOUND DIRECTION

