

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

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	386	0.0	OFF	386	0	0.00	0	70.2	70.2	70.2	
1-2 AM	232	0.0	OFF	232	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	153	0.0	OFF	153	0	0.00	0	70.2	70.2	70.2	
4-5 AM	259	0.0	OFF	259	0	0.00	0	70.2	70.2	70.2	
5-6 AM	380	0.0	OFF	380	0	0.00	0	70.2	70.2	70.2	
6-7 AM	701	0.0	OFF	701	0	0.00	0	69.9	69.9	69.9	
7-8 AM	1237	0.0	OFF	1237	0	0.00	0	69.2	69.2	69.2	
8-9 AM	1687	0.0	1499	1687	0	3.35	75	68.6	18.6	30.8	
9-10 AM	1829	0.0	1500	1750	80	13.24+	328	68.4	7.6	30.8	
10-11 AM	2096	0.0	1500	1498	598	17.27+	423	68.1	6.5	30.8	
11AM-NOON	2113	0.0	1499	1498	615	17.27+	423	68.1	6.5	30.8	
NOON-1PM	2182	0.0	1499	1499	684	17.28+	424	68.0	6.5	30.8	
1-2 PM	2121	0.0	1499	1499	622	17.27+	423	68.1	6.5	30.8	
2-3 PM	2148	0.0	1499	1499	649	17.27+	424	68.1	6.5	30.8	
3-4 PM	2174	0.0	1499	1499	675	17.27+	424	68.1	6.5	30.8	
4-5 PM	1956	0.0	1500	1499	457	17.26+	423	68.3	6.5	30.8	
5-6 PM	1854	0.0	1499	1499	355	17.26+	423	68.4	6.6	30.8	
6-7 PM	1528	0.0	OFF	1528	0	0.21	20	68.8	58.6	58.6	
7-8 PM	1262	0.0	OFF	1262	0	0.00	0	69.2	69.2	69.2	
8-9 PM	1226	0.0	OFF	1226	0	0.00	0	69.2	69.2	69.2	
9-10 PM	1135	0.0	OFF	1135	0	0.00	0	69.3	69.3	69.3	
10-11 PM	918	0.0	OFF	918	0	0.00	0	69.6	69.6	69.6	
11PM-MID	553	0.0	OFF	553	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

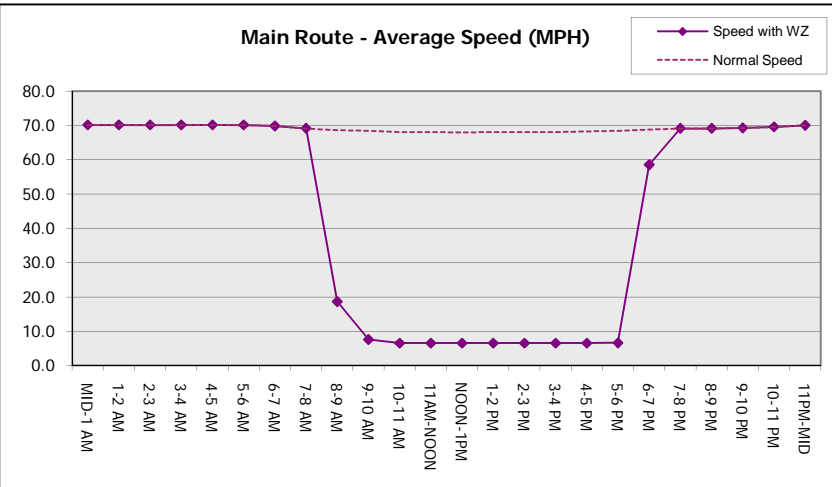
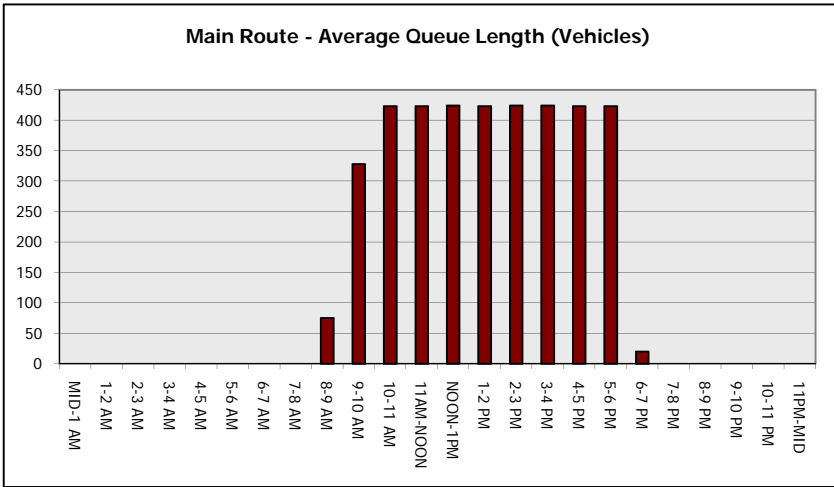
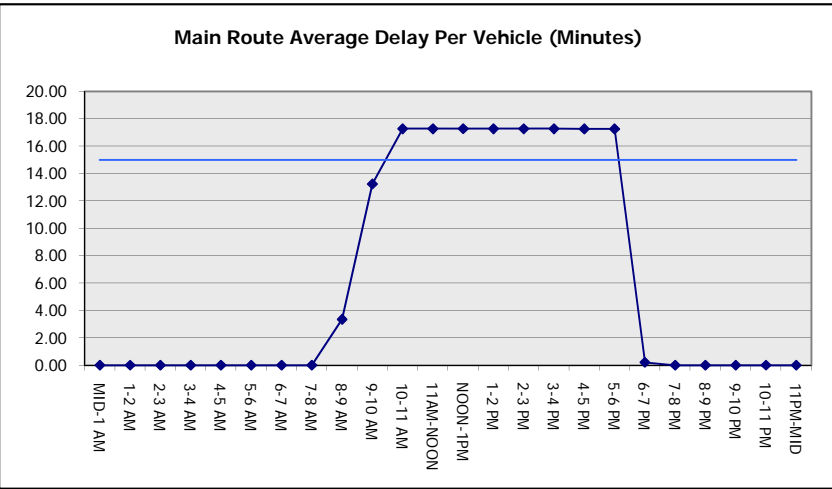
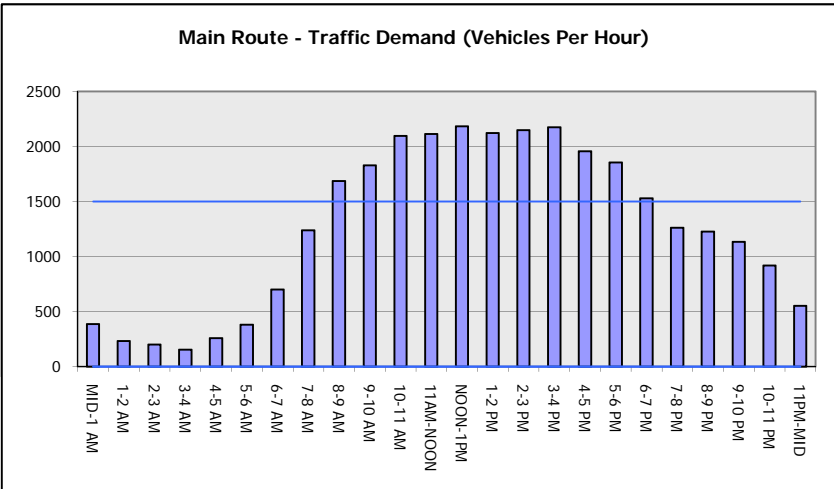
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0067
MAIN ROUTE WITH WORKS	0.0047
'DIVERSION'	0.0024
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$87,420
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	426	0.0	OFF	426	0	0.00	0	70.2	70.2	70.2
1-2 AM	289	0.0	OFF	289	0	0.00	0	70.2	70.2	70.2
2-3 AM	233	0.0	OFF	233	0	0.00	0	70.2	70.2	70.2
3-4 AM	170	0.0	OFF	170	0	0.00	0	70.2	70.2	70.2
4-5 AM	201	0.0	OFF	201	0	0.00	0	70.2	70.2	70.2
5-6 AM	431	0.0	OFF	431	0	0.00	0	70.2	70.2	70.2
6-7 AM	700	0.0	OFF	700	0	0.00	0	69.9	69.9	69.9
7-8 AM	1221	0.0	OFF	1221	0	0.00	0	69.2	69.2	69.2
8-9 AM	1635	0.0	1499	1635	0	2.37	44	68.7	23.3	30.8
9-10 AM	1958	0.0	1500	1774	184	12.57+	316	68.3	7.9	30.8
10-11 AM	2298	0.0	1499	1502	796	17.28+	424	67.9	6.5	30.8
11AM-NOON	2547	0.0	1500	1505	1042	17.31+	425	67.6	6.5	30.8
NOON-1PM	2572	0.0	1500	1503	1069	17.30+	425	67.6	6.5	30.8
1-2 PM	2461	0.0	1500	1501	961	17.29+	424	67.7	6.5	30.8
2-3 PM	2480	0.0	1500	1501	979	17.29+	424	67.6	6.5	30.8
3-4 PM	2354	0.0	1500	1501	854	17.28+	424	67.8	6.5	30.8
4-5 PM	2415	0.0	1500	1501	915	17.29+	424	67.8	6.5	30.8
5-6 PM	2126	0.0	1500	1500	625	17.27+	423	68.1	6.5	30.8
6-7 PM	1743	0.0	OFF	1743	0	0.22	20	68.6	58.2	58.2
7-8 PM	1363	0.0	OFF	1363	0	0.00	0	69.1	69.1	69.1
8-9 PM	1132	0.0	OFF	1132	0	0.00	0	69.3	69.3	69.3
9-10 PM	1035	0.0	OFF	1035	0	0.00	0	69.4	69.4	69.4
10-11 PM	861	0.0	OFF	861	0	0.00	0	69.7	69.7	69.7
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	0.0074
MAIN ROUTE WITH WORKS	0.0047
'DIVERSION'	0.0038

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$99,565
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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