

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

SUNDAY 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	373	0.0	OFF	373	0	0.00	0	70.2	70.2	70.2
1-2 AM	236	0.0	OFF	236	0	0.00	0	70.2	70.2	70.2
2-3 AM	248	0.0	OFF	248	0	0.00	0	70.2	70.2	70.2
3-4 AM	175	0.0	OFF	175	0	0.00	0	70.2	70.2	70.2
4-5 AM	160	0.0	OFF	160	0	0.00	0	70.2	70.2	70.2
5-6 AM	223	0.0	OFF	223	0	0.00	0	70.2	70.2	70.2
6-7 AM	400	0.0	OFF	400	0	0.00	0	70.2	70.2	70.2
7-8 AM	560	0.0	OFF	560	0	0.00	0	70.0	70.0	70.0
8-9 AM	962	0.0	OFF	962	0	0.00	0	69.6	69.6	69.6
9-10 AM	1515	0.0	1499	1515	0	1.51	17	68.9	30.7	32.0
10-11 AM	1978	0.0	1500	1908	70	10.58+	277	68.2	8.8	30.8
11AM-NOON	2208	0.0	1500	1492	716	17.28+	424	68.0	6.5	30.8
NOON-1PM	2523	0.0	1499	1481	1042	17.37+	426	67.6	6.5	30.8
1-2 PM	2489	0.0	1499	1493	996	17.31+	425	67.6	6.5	30.8
2-3 PM	2488	0.0	1499	1497	992	17.29+	424	67.6	6.5	30.8
3-4 PM	2541	0.0	1499	1495	1046	17.31+	425	67.6	6.5	30.8
4-5 PM	2608	0.0	1499	1494	1114	17.32+	425	67.5	6.5	30.8
5-6 PM	2330	0.0	1500	1499	831	17.28+	424	67.8	6.5	30.8
6-7 PM	1852	0.0	1500	1499	353	17.26+	423	68.4	6.6	30.8
7-8 PM	1549	0.0	OFF	1549	0	0.22	20	68.8	58.4	58.4
8-9 PM	1133	0.0	OFF	1133	0	0.00	0	69.3	69.3	69.3
9-10 PM	865	0.0	OFF	865	0	0.00	0	69.7	69.7	69.7
10-11 PM	605	0.0	OFF	605	0	0.00	0	70.0	70.0	70.0
11PM-MID	335	0.0	OFF	335	0	0.00	0	70.2	70.2	70.2

"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

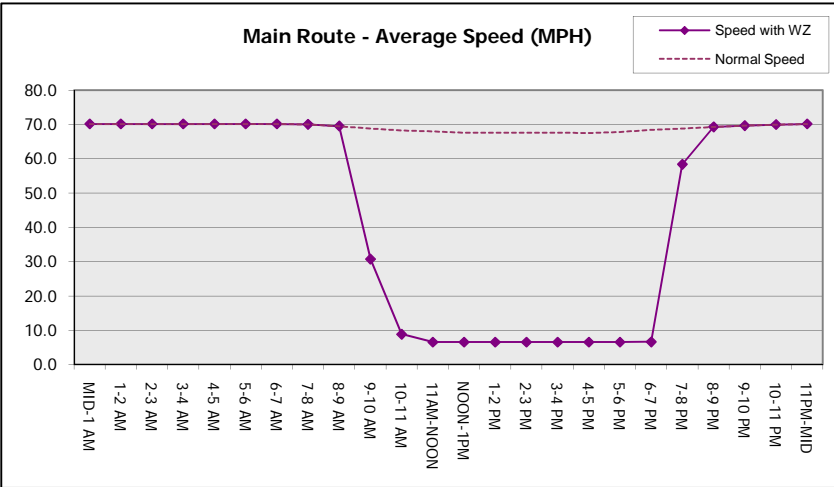
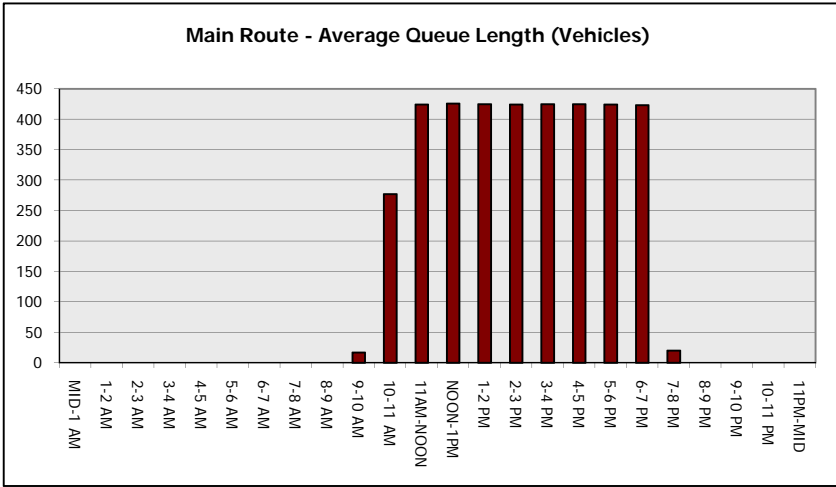
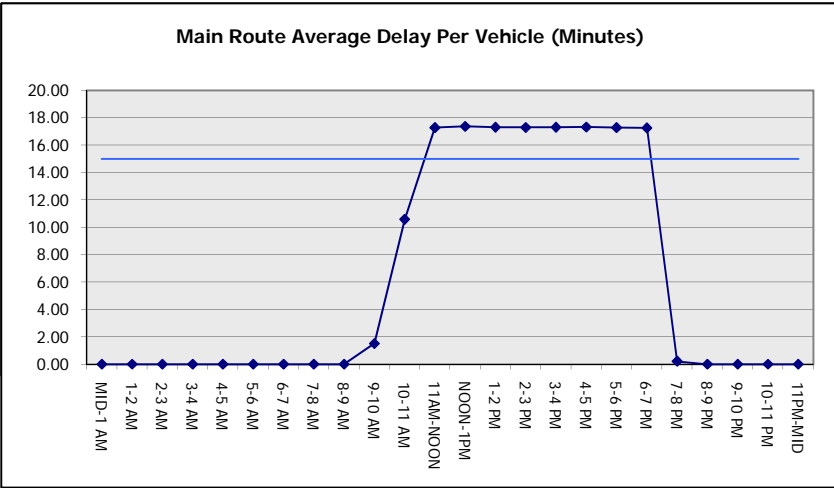
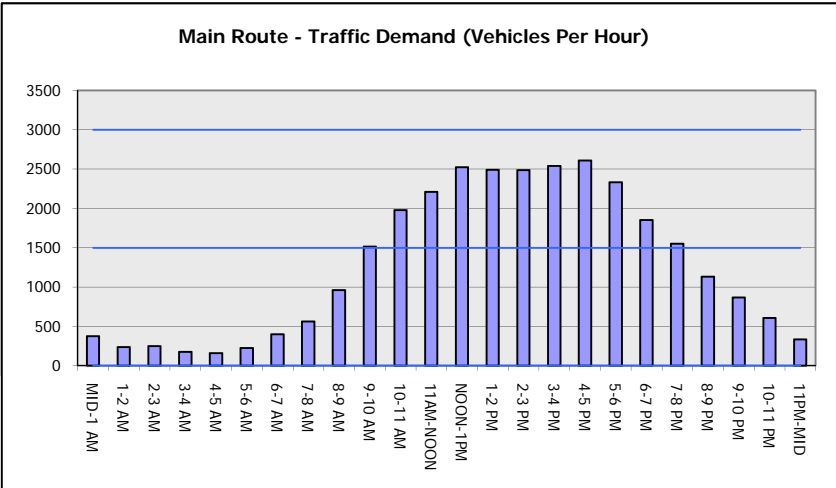
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0068
MAIN ROUTE WITH WORKS	0.0041
'DIVERSION'	0.0037
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$97,722
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	342	0.0	OFF	342	0	0.00	0	70.2	70.2	70.2
1-2 AM	212	0.0	OFF	212	0	0.00	0	70.2	70.2	70.2
2-3 AM	182	0.0	OFF	182	0	0.00	0	70.2	70.2	70.2
3-4 AM	105	0.0	OFF	105	0	0.00	0	70.2	70.2	70.2
4-5 AM	115	0.0	OFF	115	0	0.00	0	70.2	70.2	70.2
5-6 AM	289	0.0	OFF	289	0	0.00	0	70.2	70.2	70.2
6-7 AM	331	0.0	OFF	331	0	0.00	0	70.2	70.2	70.2
7-8 AM	591	0.0	OFF	591	0	0.00	0	70.0	70.0	70.0
8-9 AM	857	0.0	OFF	857	0	0.00	0	69.7	69.7	69.7
9-10 AM	1273	0.0	1499	1273	0	0.79	0	69.2	41.9	36.5
10-11 AM	1790	0.0	1499	1790	0	4.62	119	68.5	15.2	30.8
11AM-NOON	2094	0.0	1499	1659	435	16.61+	408	68.1	6.7	30.8
NOON-1PM	2205	0.0	1499	1496	709	17.28+	424	68.0	6.5	30.8
1-2 PM	2102	0.0	1499	1497	605	17.27+	423	68.1	6.5	30.8
2-3 PM	2012	0.0	1499	1497	514	17.27+	423	68.2	6.5	30.8
3-4 PM	2187	0.0	1499	1498	689	17.28+	424	68.0	6.5	30.8
4-5 PM	2094	0.0	1499	1498	596	17.27+	423	68.1	6.5	30.8
5-6 PM	2067	0.0	1499	1498	569	17.27+	423	68.2	6.5	30.8
6-7 PM	1876	0.0	1499	1498	377	17.26+	423	68.4	6.6	30.8
7-8 PM	1521	0.0	OFF	1521	0	0.22	20	68.9	58.4	58.4
8-9 PM	1215	0.0	OFF	1215	0	0.00	0	69.2	69.2	69.2
9-10 PM	963	0.0	OFF	963	0	0.00	0	69.6	69.6	69.6
10-11 PM	648	0.0	OFF	648	0	0.00	0	69.9	69.9	69.9
11PM-MID	376	0.0	OFF	376	0	0.00	0	70.2	70.2	70.2

"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	0.0061
MAIN ROUTE WITH WORKS	0.0041
'DIVERSION'	0.0023
<small>PIA: Personal Injury Accidents</small>	
ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$81,820
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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