

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

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	988	0.0	OFF	988	0	0.00	0	69.5	69.5	69.5	
1-2 AM	319	0.0	OFF	319	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	202	0.0	OFF	202	0	0.00	0	70.2	70.2	70.2	
4-5 AM	202	0.0	OFF	202	0	0.00	0	70.2	70.2	70.2	
5-6 AM	270	0.0	OFF	270	0	0.00	0	70.2	70.2	70.2	
6-7 AM	409	0.0	OFF	409	0	0.00	0	70.2	70.2	70.2	
7-8 AM	691	0.0	OFF	691	0	0.00	0	69.9	69.9	69.9	
8-9 AM	1186	0.0	OFF	1186	0	0.00	0	69.2	69.2	69.2	
9-10 AM	1787	0.0	1499	1787	0	3.92	104	68.5	17.1	30.8	
10-11 AM	2448	0.0	1499	1625	823	16.85+	413	67.7	6.6	30.8	
11AM-NOON	2885	0.0	1500	1516	1369	17.53+	431	67.1	6.5	30.8	
NOON-1PM	2960	0.0	1500	1504	1455	17.61+	433	67.1	6.5	30.8	
1-2 PM	2970	0.0	1500	1501	1469	17.62+	433	67.1	6.5	30.8	
2-3 PM	2933	0.0	1500	1499	1433	17.59+	432	67.1	6.5	30.8	
3-4 PM	2971	0.0	1499	1501	1470	17.62+	433	67.1	6.5	30.8	
4-5 PM	2830	0.0	1500	1497	1333	17.49+	430	67.2	6.5	30.8	
5-6 PM	2552	0.0	1500	1497	1055	17.31+	425	67.6	6.5	30.8	
6-7 PM	2148	0.0	1500	1499	649	17.27+	424	68.1	6.5	30.8	
7-8 PM	1697	0.0	OFF	1697	0	0.22	21	68.6	58.1	58.1	
8-9 PM	1235	0.0	OFF	1235	0	0.00	0	69.2	69.2	69.2	
9-10 PM	885	0.0	OFF	885	0	0.00	0	69.6	69.6	69.6	
10-11 PM	597	0.0	OFF	597	0	0.00	0	70.0	70.0	70.0	
11PM-MID	345	0.0	OFF	345	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

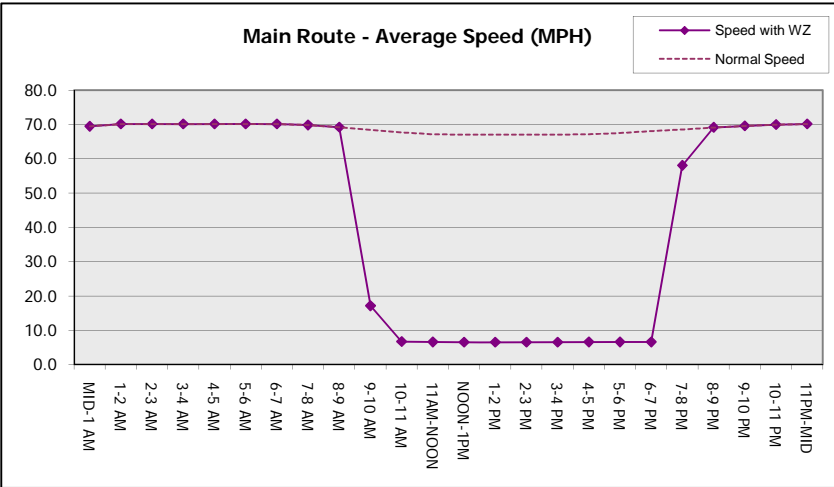
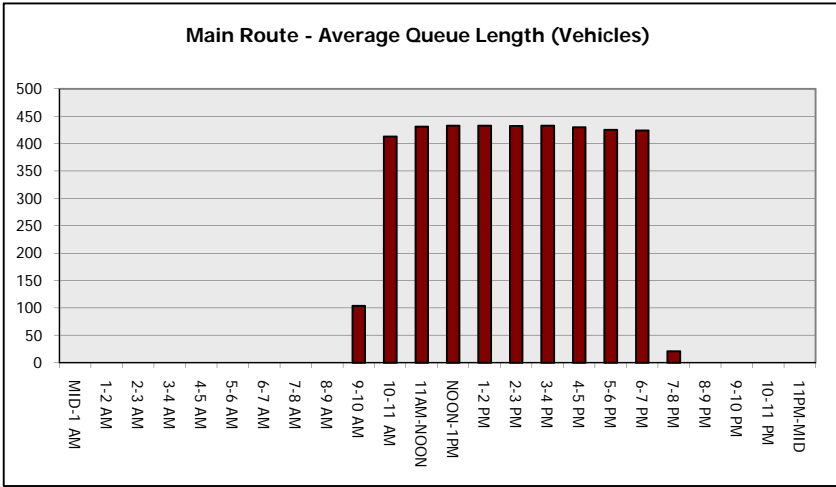
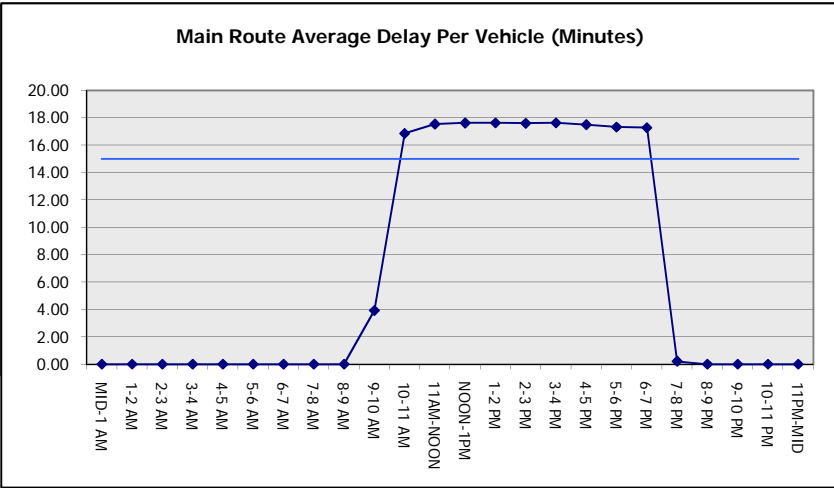
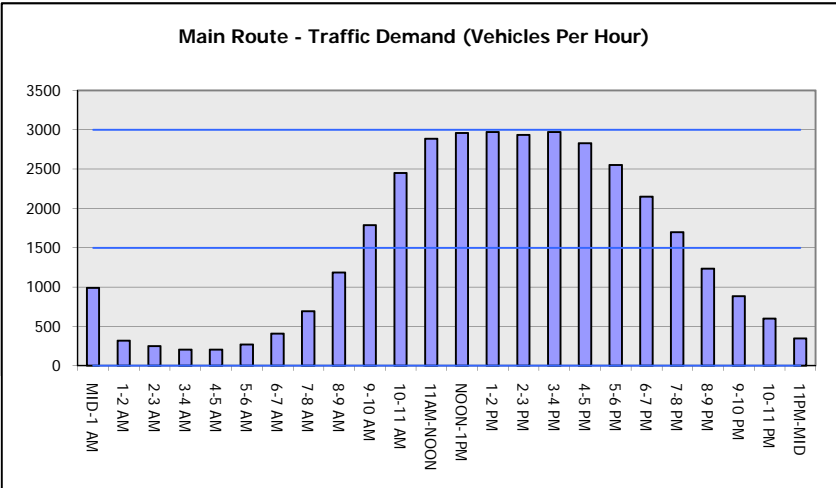
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0080
MAIN ROUTE WITH WORKS	0.0045
'DIVERSION'	0.0057
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$121,405
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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AUGUST
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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	397	0.0	OFF	397	0	0.00	0	70.2	70.2	70.2
1-2 AM	251	0.0	OFF	251	0	0.00	0	70.2	70.2	70.2
2-3 AM	194	0.0	OFF	194	0	0.00	0	70.2	70.2	70.2
3-4 AM	121	0.0	OFF	121	0	0.00	0	70.2	70.2	70.2
4-5 AM	118	0.0	OFF	118	0	0.00	0	70.2	70.2	70.2
5-6 AM	266	0.0	OFF	266	0	0.00	0	70.2	70.2	70.2
6-7 AM	311	0.0	OFF	311	0	0.00	0	70.2	70.2	70.2
7-8 AM	424	0.0	OFF	424	0	0.00	0	70.2	70.2	70.2
8-9 AM	693	0.0	OFF	693	0	0.00	0	69.9	69.9	69.9
9-10 AM	1093	0.0	1499	1093	0	0.65	0	69.4	45.0	39.8
10-11 AM	1694	0.0	1499	1694	0	2.82	64	68.6	21.0	30.8
11AM-NOON	2151	0.0	1500	1782	369	15.37+	380	68.1	7.0	30.8
NOON-1PM	2322	0.0	1499	1491	831	17.29+	424	67.9	6.5	30.8
1-2 PM	2424	0.0	1499	1490	935	17.32+	425	67.8	6.5	30.8
2-3 PM	2435	0.0	1499	1494	940	17.30+	424	67.7	6.5	30.8
3-4 PM	2395	0.0	1499	1496	899	17.29+	424	67.8	6.5	30.8
4-5 PM	2438	0.0	1499	1497	941	17.29+	424	67.7	6.5	30.8
5-6 PM	2289	0.0	1499	1497	792	17.28+	424	67.9	6.5	30.8
6-7 PM	1997	0.0	1499	1498	500	17.27+	423	68.2	6.5	30.8
7-8 PM	1624	0.0	OFF	1624	0	0.23	22	68.7	57.8	57.8
8-9 PM	1414	0.0	OFF	1414	0	0.00	0	69.0	69.0	69.0
9-10 PM	1151	0.0	OFF	1151	0	0.00	0	69.3	69.3	69.3
10-11 PM	719	0.0	OFF	719	0	0.00	0	69.9	69.9	69.9
11PM-MID	475	0.0	OFF	475	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	0.0065
MAIN ROUTE WITH WORKS	0.0042
'DIVERSION'	0.0032

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$88,840
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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