

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

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	291	0.0	OFF	291	0	0.00	0	70.2	70.2	70.2
1-2 AM	201	0.0	OFF	201	0	0.00	0	70.2	70.2	70.2
2-3 AM	236	0.0	OFF	236	0	0.00	0	70.2	70.2	70.2
3-4 AM	270	0.0	OFF	270	0	0.00	0	70.2	70.2	70.2
4-5 AM	423	0.0	OFF	423	0	0.00	0	70.2	70.2	70.2
5-6 AM	939	0.0	OFF	939	0	0.00	0	69.6	69.6	69.6
6-7 AM	1988	0.0	OFF	1988	0	0.00	0	68.2	68.2	68.2
7-8 AM	2840	0.0	OFF	2840	0	0.00	0	67.2	67.2	67.2
8-9 AM	2420	0.0	OFF	2420	0	0.00	0	67.8	67.8	67.8
9-10 AM	1975	0.0	OFF	1975	0	0.00	0	68.3	68.3	68.3
10-11 AM	2042	0.0	1499	1989	53	9.44+	256	68.2	9.5	30.8
11AM-NOON	2176	0.0	1500	1478	698	17.23+	422	68.0	6.6	30.8
NOON-1PM	2378	0.0	1499	1491	887	17.30+	424	67.8	6.5	30.8
1-2 PM	2641	0.0	1499	1480	1160	17.40+	427	67.4	6.5	30.8
2-3 PM	2954	0.0	1499	1496	1457	17.61+	433	67.1	6.5	30.8
3-4 PM	3218	0.0	OFF	3218	0	0.36	34	66.8	52.0	52.0
4-5 PM	3485	0.0	OFF	3485	0	0.00	0	66.4	66.4	66.4
5-6 PM	3167	0.0	OFF	3167	0	0.00	0	66.8	66.8	66.8
6-7 PM	2188	0.0	OFF	2188	0	0.00	0	68.0	68.0	68.0
7-8 PM	1494	0.0	OFF	1494	0	0.00	0	68.9	68.9	68.9
8-9 PM	1235	0.0	OFF	1235	0	0.00	0	69.2	69.2	69.2
9-10 PM	1218	0.0	OFF	1218	0	0.00	0	69.2	69.2	69.2
10-11 PM	981	0.0	OFF	981	0	0.00	0	69.5	69.5	69.5
11PM-MID	613	0.0	OFF	613	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'	0.0022
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$43,963
CONGESTED HOURS PER DAY*	5

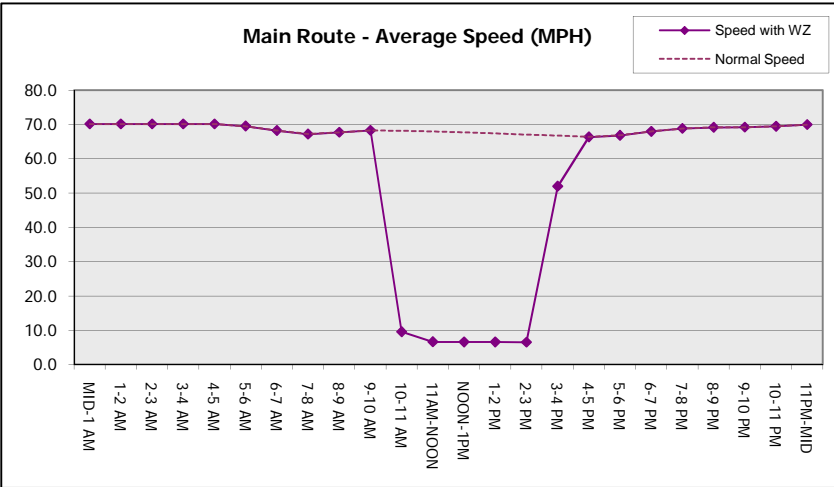
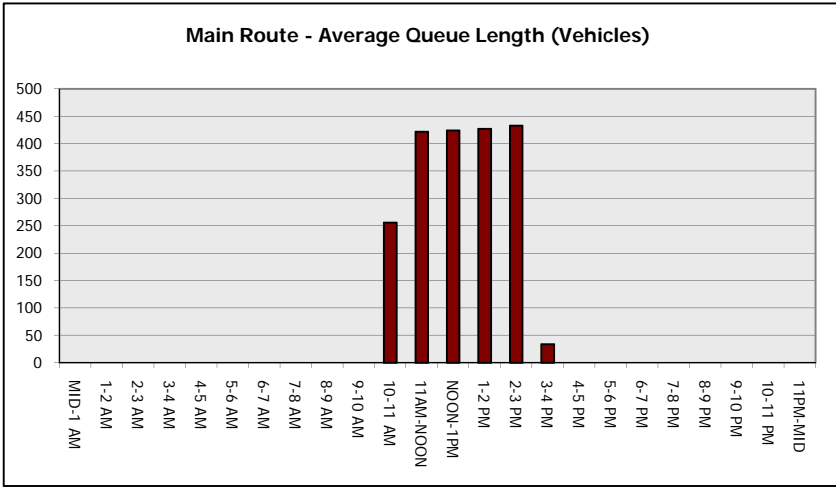
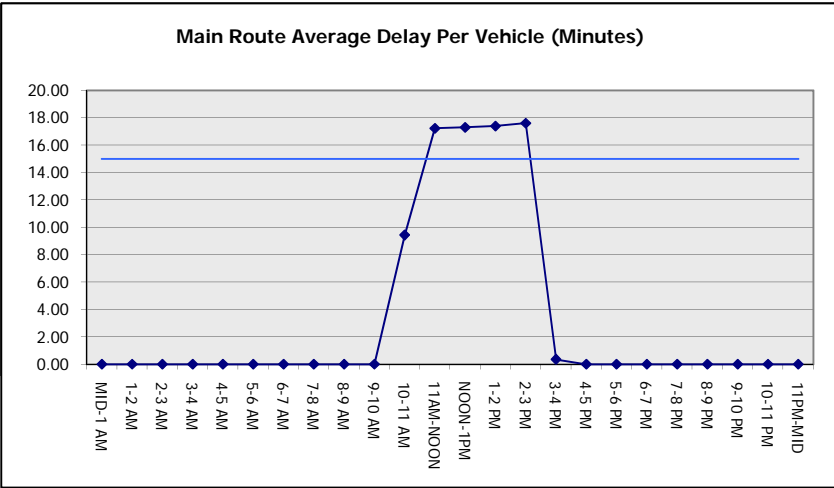
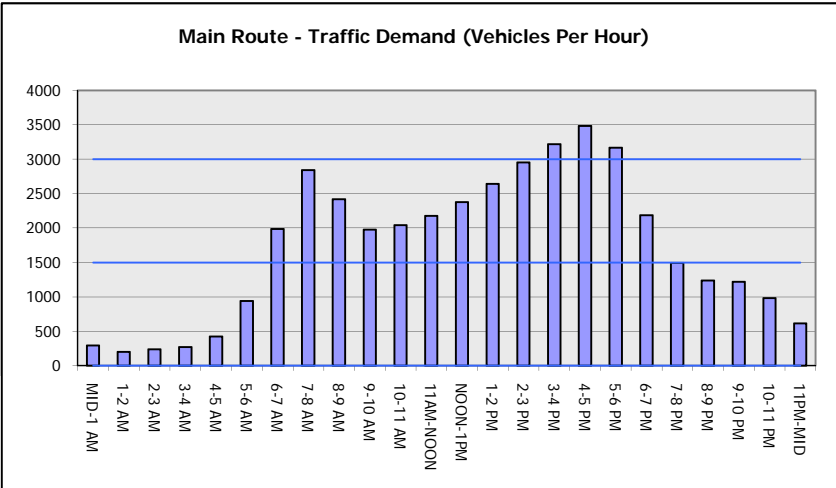
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY SOUTHBOUND DIRECTION



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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	313	0.0	OFF	313	0	0.00	0	70.2	70.2	70.2
1-2 AM	250	0.0	OFF	250	0	0.00	0	70.2	70.2	70.2
2-3 AM	217	0.0	OFF	217	0	0.00	0	70.2	70.2	70.2
3-4 AM	203	0.0	OFF	203	0	0.00	0	70.2	70.2	70.2
4-5 AM	372	0.0	OFF	372	0	0.00	0	70.2	70.2	70.2
5-6 AM	1004	0.0	OFF	1004	0	0.00	0	69.5	69.5	69.5
6-7 AM	1892	0.0	OFF	1892	0	0.00	0	68.4	68.4	68.4
7-8 AM	3083	0.0	OFF	3083	0	0.00	0	66.9	66.9	66.9
8-9 AM	2268	0.0	OFF	2268	0	0.00	0	67.9	67.9	67.9
9-10 AM	2170	0.0	OFF	2170	0	0.00	0	68.1	68.1	68.1
10-11 AM	2352	0.0	1499	1909	443	12.26+	314	67.8	8.0	30.8
11AM-NOON	2466	0.0	1500	1502	963	17.29+	424	67.7	6.5	30.8
NOON-1PM	2649	0.0	1500	1511	1138	17.34+	426	67.4	6.5	30.8
1-2 PM	2773	0.0	1500	1506	1267	17.43+	428	67.3	6.5	30.8
2-3 PM	3077	0.0	1499	1505	1572	17.70+	436	66.9	6.5	30.8
3-4 PM	3470	0.0	OFF	3470	0	0.41	37	66.4	50.0	50.0
4-5 PM	3707	0.0	OFF	3707	0	0.00	0	65.5	65.5	65.5
5-6 PM	3548	0.0	OFF	3548	0	0.00	0	66.3	66.3	66.3
6-7 PM	2776	0.0	OFF	2776	0	0.00	0	67.3	67.3	67.3
7-8 PM	2210	0.0	OFF	2210	0	0.00	0	68.0	68.0	68.0
8-9 PM	1717	0.0	OFF	1717	0	0.00	0	68.6	68.6	68.6
9-10 PM	1264	0.0	OFF	1264	0	0.00	0	69.2	69.2	69.2
10-11 PM	970	0.0	OFF	970	0	0.00	0	69.6	69.6	69.6
11PM-MID	774	0.0	OFF	774	0	0.00	0	69.8	69.8	69.8

"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	0.0101
MAIN ROUTE WITH WORKS	0.0084
'DIVERSION'	0.0028

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$49,448
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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FRIDAY NORTHBOUND DIRECTION

