

USH 41: STH 114 TO BREEZEWOOD LN/BELL ST (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	427	0.0	1500	427	0	0.52	0	70.2	48.7	43.8
1-2 AM	245	0.0	1500	245	0	0.50	0	70.2	49.4	44.5
2-3 AM	243	0.0	1500	243	0	0.50	0	70.2	49.4	44.5
3-4 AM	280	0.0	1500	280	0	0.51	0	70.2	49.3	44.3
4-5 AM	461	0.0	1500	461	0	0.53	0	70.2	48.6	43.7
5-6 AM	1019	0.0	1499	1019	0	0.64	0	69.5	45.3	40.2
6-7 AM	2008	0.0	1499	2008	0	6.80	201	68.2	12.0	30.8
7-8 AM	2715	0.0	1500	1451	1264	17.56+	432	67.4	6.5	30.8
8-9 AM	2325	0.0	1499	1495	830	17.28+	424	67.8	6.5	30.8
9-10 AM	2232	0.0	1499	1496	736	17.28+	424	67.9	6.5	30.8
10-11 AM	2383	0.0	1499	1496	887	17.29+	424	67.8	6.5	30.8
11AM-NOON	2553	0.0	1499	1492	1061	17.33+	425	67.6	6.5	30.8
NOON-1PM	2727	0.0	1499	1492	1235	17.41+	428	67.3	6.5	30.8
1-2 PM	2962	0.0	1499	1503	1458	17.61+	433	67.1	6.5	30.8
2-3 PM	3248	0.0	1499	1500	1748	17.79+	438	66.7	6.5	30.8
3-4 PM	3347	0.0	1500	1500	1847	17.79+	438	66.6	6.5	30.8
4-5 PM	3530	0.0	1500	1500	2030	17.78+	438	66.3	6.5	30.8
5-6 PM	3019	0.0	1500	1498	1521	17.65+	434	67.0	6.5	30.8
6-7 PM	2089	0.0	1500	1499	590	17.27+	423	68.1	6.5	30.8
7-8 PM	1515	0.0	1500	1457	58	16.98+	415	68.9	6.6	30.8
8-9 PM	1285	0.0	1499	1285	0	11.87	288	69.1	8.1	30.8
9-10 PM	1231	0.0	1500	1231	0	2.07	61	69.2	25.8	35.3
10-11 PM	1020	0.0	1500	1020	0	0.59	0	69.5	46.7	41.6
11PM-MID	616	0.0	1500	616	0	0.55	0	70.0	48.1	43.1

+ 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

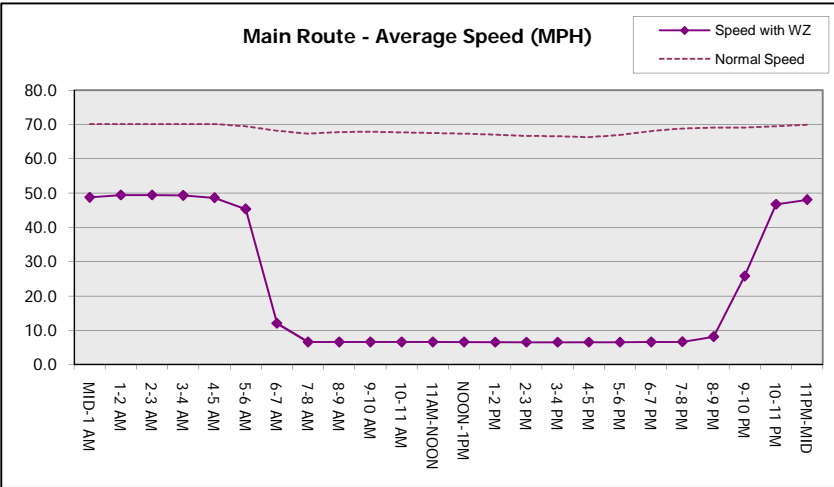
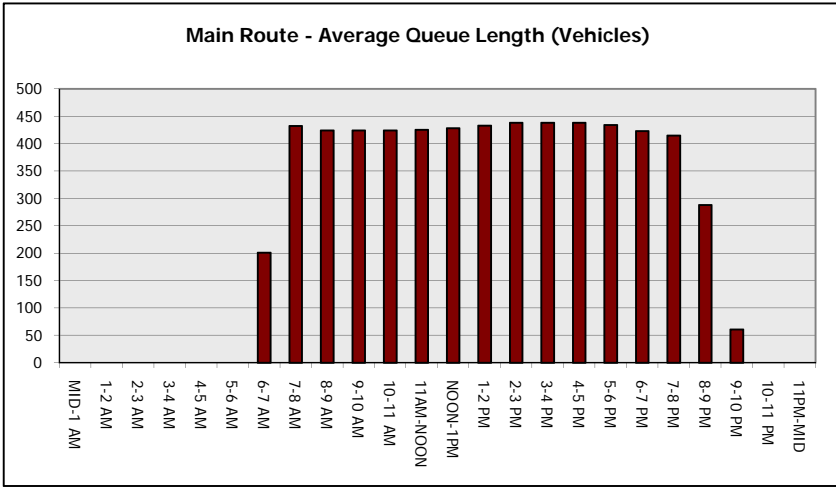
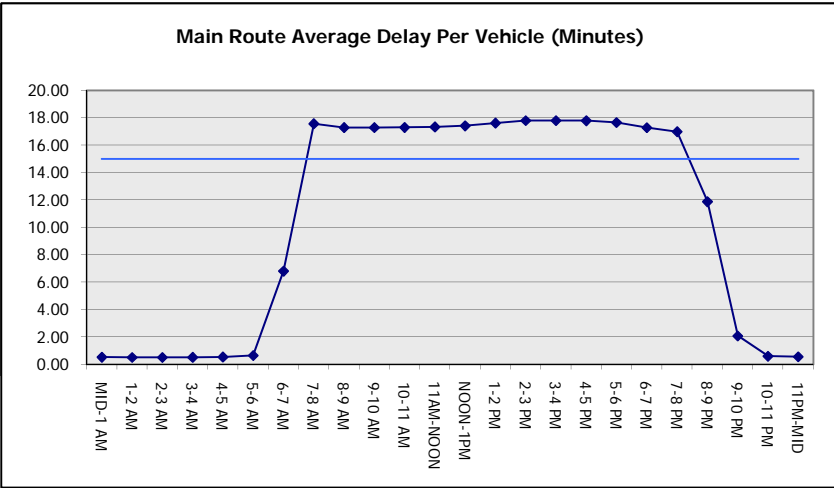
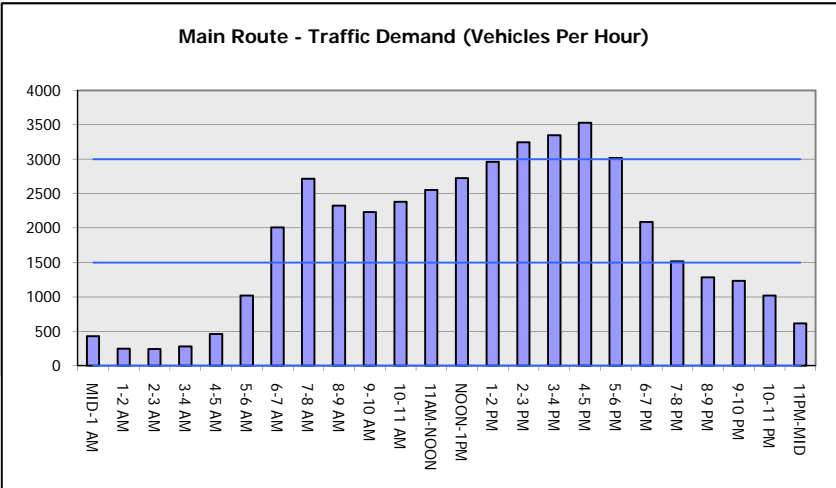
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0097
MAIN ROUTE WITH WORKS	0.0044
'DIVERSION'	0.0079
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$144,838
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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AUGUST
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Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



USH 41: STH 114 TO BREEZEWOOD LN/BELL ST (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	373	0.0	1500	373	0	0.52	0	70.2	48.9	44.0
1-2 AM	251	0.0	1500	251	0	0.50	0	70.2	49.4	44.5
2-3 AM	237	0.0	1500	237	0	0.50	0	70.2	49.4	44.5
3-4 AM	227	0.0	1500	227	0	0.50	0	70.2	49.5	44.6
4-5 AM	407	0.0	1500	407	0	0.52	0	70.2	48.8	43.8
5-6 AM	1031	0.0	1499	1031	0	0.64	0	69.4	45.3	40.1
6-7 AM	1852	0.0	1499	1852	0	4.12	119	68.4	16.7	30.8
7-8 AM	2831	0.0	1499	1555	1276	17.54+	431	67.2	6.5	30.8
8-9 AM	2269	0.0	1500	1502	766	17.28+	424	67.9	6.5	30.8
9-10 AM	2292	0.0	1500	1502	790	17.28+	424	67.9	6.5	30.8
10-11 AM	2544	0.0	1500	1505	1039	17.31+	425	67.6	6.5	30.8
11AM-NOON	2735	0.0	1500	1510	1226	17.39+	427	67.3	6.5	30.8
NOON-1PM	2874	0.0	1500	1505	1369	17.53+	431	67.2	6.5	30.8
1-2 PM	3000	0.0	1500	1504	1496	17.64+	434	67.0	6.5	30.8
2-3 PM	3334	0.0	1499	1500	1834	17.79+	438	66.6	6.5	30.8
3-4 PM	3633	0.0	1500	1500	2133	17.77+	438	66.0	6.5	30.8
4-5 PM	3878	0.0	1500	1500	2378	17.72+	438	64.3	6.5	30.8
5-6 PM	3702	0.0	1500	1500	2202	17.76+	438	65.6	6.5	30.8
6-7 PM	2954	0.0	1500	1498	1456	17.61+	433	67.1	6.5	30.8
7-8 PM	2291	0.0	1500	1499	793	17.28+	424	67.9	6.5	30.8
8-9 PM	1714	0.0	1500	1499	215	17.25+	423	68.6	6.6	30.8
9-10 PM	1412	0.0	1499	1400	13	16.17+	395	69.0	6.8	30.8
10-11 PM	1069	0.0	1499	1069	0	3.39	141	69.4	19.7	36.8
11PM-MID	848	0.0	1500	848	0	0.57	0	69.7	47.3	42.2

+ 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	0.0106
MAIN ROUTE WITH WORKS	0.0045
'DIVERSION'	0.0098

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$167,063
CONGESTED HOURS PER DAY*	15

*Delays Exceeding User-Specified Maximum

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