

USH 41: STH 114 TO BREEZEWOOD LN/BELL ST (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) 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	1500	291	0	0.51	0	70.2	49.2	44.3	
1-2 AM	201	0.0	1500	201	0	0.50	0	70.2	49.6	44.6	
2-3 AM	236	0.0	1500	236	0	0.50	0	70.2	49.4	44.5	
3-4 AM	270	0.0	1500	270	0	0.51	0	70.2	49.3	44.4	
4-5 AM	423	0.0	1500	423	0	0.52	0	70.2	48.7	43.8	
5-6 AM	939	0.0	1499	939	0	0.59	0	69.6	46.7	41.6	
6-7 AM	1988	0.0	1499	1988	0	6.13	184	68.2	12.9	30.8	
7-8 AM	2840	0.0	1499	1457	1383	17.58+	432	67.2	6.5	30.8	
8-9 AM	2420	0.0	1499	1496	924	17.30+	424	67.8	6.5	30.8	
9-10 AM	1975	0.0	1499	1498	477	17.26+	423	68.3	6.5	30.8	
10-11 AM	2042	0.0	1499	1498	544	17.27+	423	68.2	6.5	30.8	
11AM-NOON	2176	0.0	1499	1498	678	17.28+	424	68.0	6.5	30.8	
NOON-1PM	2378	0.0	1499	1499	879	17.29+	424	67.8	6.5	30.8	
1-2 PM	2641	0.0	1499	1496	1144	17.34+	426	67.4	6.5	30.8	
2-3 PM	2954	0.0	1499	1504	1450	17.60+	433	67.1	6.5	30.8	
3-4 PM	3218	0.0	1499	1502	1716	17.78+	438	66.8	6.5	30.8	
4-5 PM	3485	0.0	1500	1500	1985	17.78+	438	66.4	6.5	30.8	
5-6 PM	3167	0.0	1500	1500	1667	17.72+	436	66.8	6.5	30.8	
6-7 PM	2188	0.0	1500	1499	689	17.28+	424	68.0	6.5	30.8	
7-8 PM	1494	0.0	1500	1437	57	16.83+	412	68.9	6.6	30.8	
8-9 PM	1235	0.0	1499	1235	0	9.94	246	69.2	9.0	31.6	
9-10 PM	1218	0.0	1500	1218	0	1.24	22	69.2	34.2	36.9	
10-11 PM	981	0.0	1500	981	0	0.58	0	69.5	46.8	41.7	
11PM-MID	613	0.0	1500	613	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	0.0
(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	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

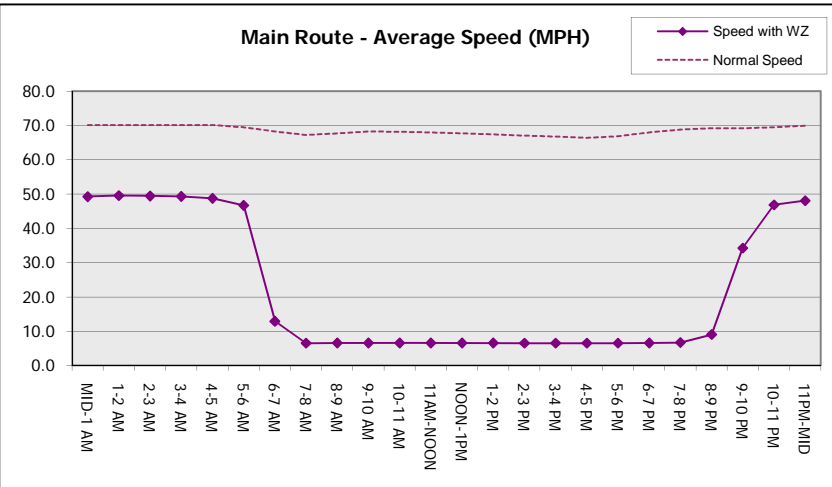
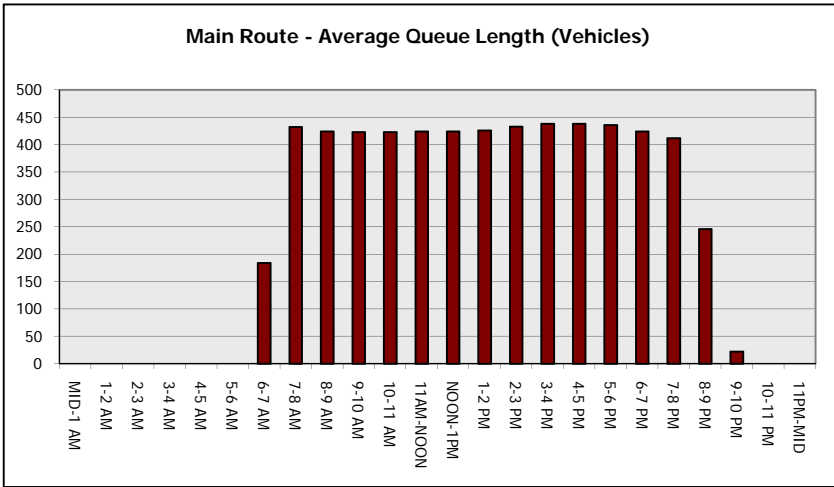
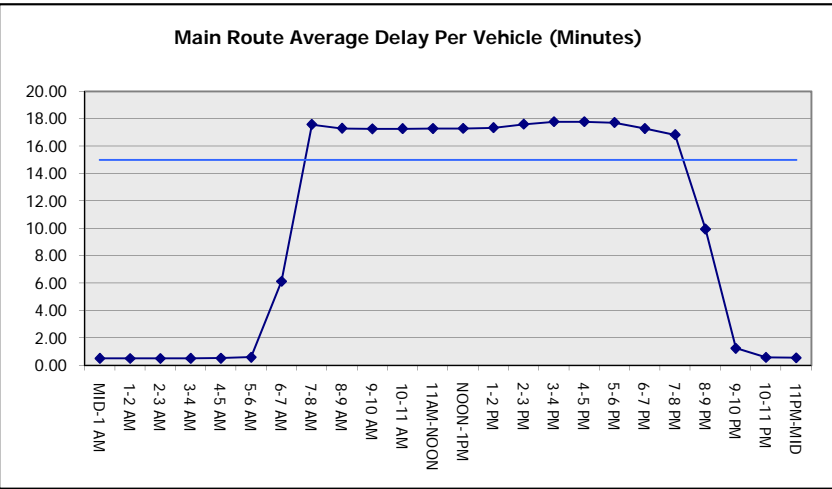
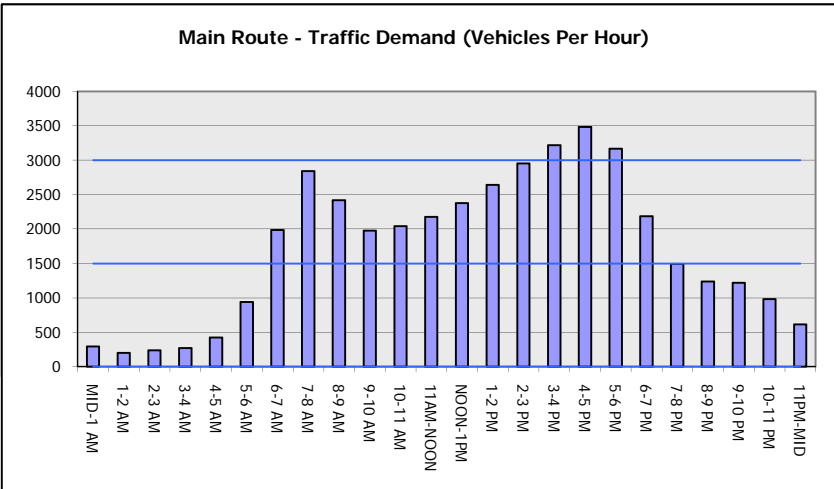
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0092
MAIN ROUTE WITH WORKS	0.0043
'DIVERSION'	0.0070
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$136,071
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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MAY
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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)	MAY
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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	1500	313	0	0.51	0	70.2	49.2	44.2
1-2 AM	250	0.0	1500	250	0	0.50	0	70.2	49.4	44.5
2-3 AM	217	0.0	1500	217	0	0.50	0	70.2	49.5	44.6
3-4 AM	203	0.0	1500	203	0	0.50	0	70.2	49.6	44.6
4-5 AM	372	0.0	1500	372	0	0.52	0	70.2	48.9	44.0
5-6 AM	1004	0.0	1499	1004	0	0.63	0	69.5	45.6	40.5
6-7 AM	1892	0.0	1499	1892	0	4.31	131	68.4	16.3	30.8
7-8 AM	3083	0.0	1499	1529	1554	17.65+	434	66.9	6.5	30.8
8-9 AM	2268	0.0	1500	1500	768	17.28+	424	67.9	6.5	30.8
9-10 AM	2170	0.0	1500	1500	670	17.27+	424	68.1	6.5	30.8
10-11 AM	2352	0.0	1499	1500	852	17.28+	424	67.8	6.5	30.8
11AM-NOON	2466	0.0	1500	1500	965	17.29+	424	67.7	6.5	30.8
NOON-1PM	2649	0.0	1500	1502	1146	17.33+	425	67.4	6.5	30.8
1-2 PM	2773	0.0	1500	1503	1270	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	1500	1500	1970	17.78+	438	66.4	6.5	30.8
4-5 PM	3707	0.0	1500	1500	2207	17.76+	438	65.5	6.5	30.8
5-6 PM	3548	0.0	1500	1500	2048	17.78+	438	66.3	6.5	30.8
6-7 PM	2776	0.0	1500	1498	1279	17.46+	429	67.3	6.5	30.8
7-8 PM	2210	0.0	1500	1499	711	17.28+	424	68.0	6.5	30.8
8-9 PM	1717	0.0	1500	1499	218	17.25+	423	68.6	6.6	30.8
9-10 PM	1264	0.0	1499	1264	0	13.56+	334	69.2	7.5	31.1
10-11 PM	970	0.0	1500	970	0	1.24	39	69.6	34.5	40.7
11PM-MID	774	0.0	1500	774	0	0.56	0	69.8	47.5	42.5

+ 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	0.0044
'DIVERSION'	0.0089

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$157,279
CONGESTED HOURS PER DAY*	15

*Delays Exceeding User-Specified Maximum

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FRIDAY NORTHBOUND DIRECTION

