

USH 41: STH 114 TO BREEZEWOOD LN/BELL ST (WINNEBAGO COUNTY) NIGHTTIME 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	3000	427	0	0.36	0	70.2	54.0	49.7
1-2 AM	245	0.0	3000	245	0	0.36	0	70.2	54.0	49.7
2-3 AM	243	0.0	3000	243	0	0.36	0	70.2	54.0	49.7
3-4 AM	280	0.0	3000	280	0	0.36	0	70.2	54.0	49.7
4-5 AM	461	0.0	3000	461	0	0.36	0	70.2	54.0	49.7
5-6 AM	1019	0.0	OFF	1019	0	0.00	0	69.5	69.5	69.5
6-7 AM	2008	0.0	OFF	2008	0	0.00	0	68.2	68.2	68.2
7-8 AM	2715	0.0	OFF	2715	0	0.00	0	67.4	67.4	67.4
8-9 AM	2325	0.0	OFF	2325	0	0.00	0	67.8	67.8	67.8
9-10 AM	2232	0.0	OFF	2232	0	0.00	0	67.9	67.9	67.9
10-11 AM	2383	0.0	OFF	2383	0	0.00	0	67.8	67.8	67.8
11AM-NOON	2553	0.0	OFF	2553	0	0.00	0	67.6	67.6	67.6
NOON-1PM	2727	0.0	OFF	2727	0	0.00	0	67.3	67.3	67.3
1-2 PM	2962	0.0	OFF	2962	0	0.00	0	67.1	67.1	67.1
2-3 PM	3248	0.0	OFF	3248	0	0.00	0	66.7	66.7	66.7
3-4 PM	3347	0.0	OFF	3347	0	0.00	0	66.6	66.6	66.6
4-5 PM	3530	0.0	OFF	3530	0	0.00	0	66.3	66.3	66.3
5-6 PM	3019	0.0	OFF	3019	0	0.00	0	67.0	67.0	67.0
6-7 PM	2089	0.0	OFF	2089	0	0.00	0	68.1	68.1	68.1
7-8 PM	1515	0.0	3000	1515	0	0.34	0	68.9	53.7	49.7
8-9 PM	1285	0.0	3000	1285	0	0.35	0	69.1	53.8	49.7
9-10 PM	1231	0.0	3000	1231	0	0.35	0	69.2	53.8	49.7
10-11 PM	1020	0.0	3000	1020	0	0.35	0	69.5	53.8	49.7
11PM-MID	616	0.0	3000	616	0	0.36	0	70.0	53.9	49.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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

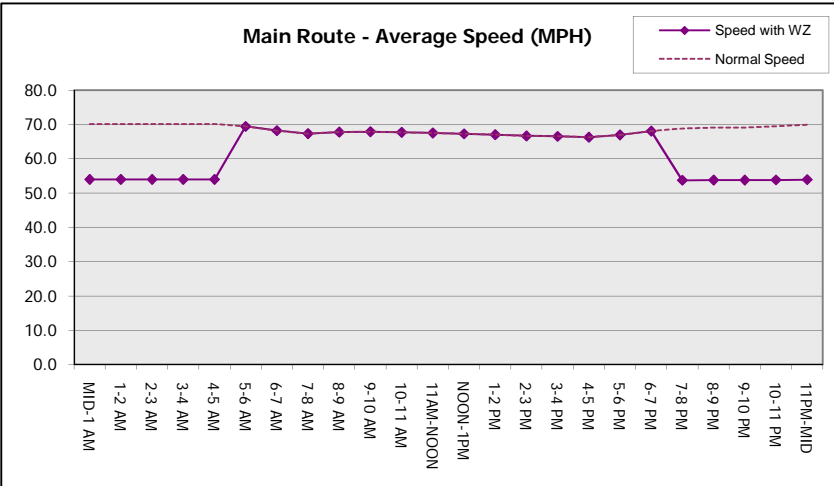
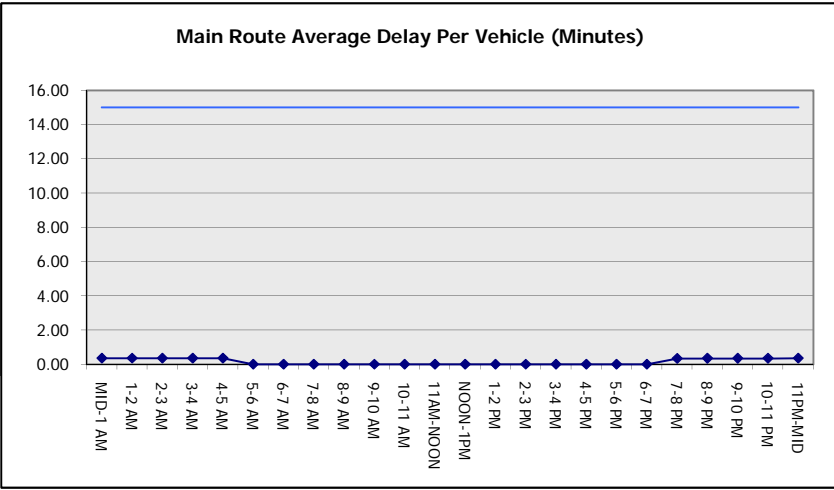
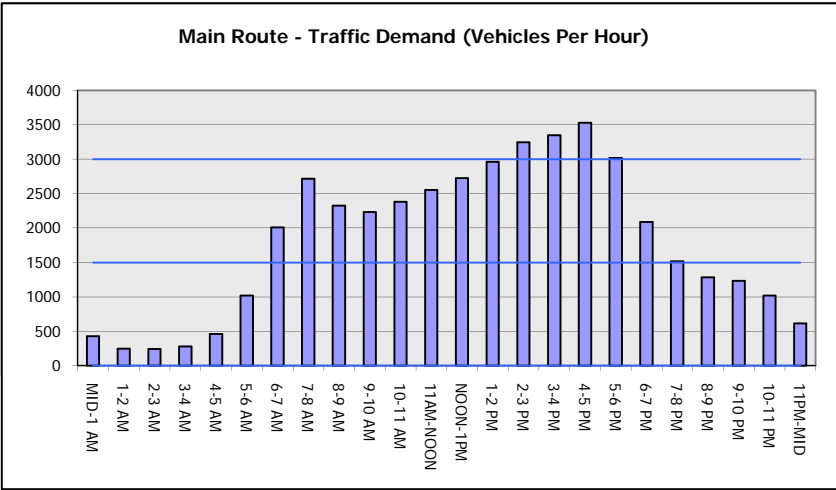
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0097
MAIN ROUTE WITH WORKS	0.0092
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$525
CONGESTED HOURS PER DAY*	0

*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	373	0.0	3000	373	0	0.36	0	70.2	54.0	49.7
1-2 AM	251	0.0	3000	251	0	0.36	0	70.2	54.0	49.7
2-3 AM	237	0.0	3000	237	0	0.36	0	70.2	54.0	49.7
3-4 AM	227	0.0	3000	227	0	0.36	0	70.2	54.0	49.7
4-5 AM	407	0.0	3000	407	0	0.36	0	70.2	54.0	49.7
5-6 AM	1031	0.0	OFF	1031	0	0.00	0	69.4	69.4	69.4
6-7 AM	1852	0.0	OFF	1852	0	0.00	0	68.4	68.4	68.4
7-8 AM	2831	0.0	OFF	2831	0	0.00	0	67.2	67.2	67.2
8-9 AM	2269	0.0	OFF	2269	0	0.00	0	67.9	67.9	67.9
9-10 AM	2292	0.0	OFF	2292	0	0.00	0	67.9	67.9	67.9
10-11 AM	2544	0.0	OFF	2544	0	0.00	0	67.6	67.6	67.6
11AM-NOON	2735	0.0	OFF	2735	0	0.00	0	67.3	67.3	67.3
NOON-1PM	2874	0.0	OFF	2874	0	0.00	0	67.2	67.2	67.2
1-2 PM	3000	0.0	OFF	3000	0	0.00	0	67.0	67.0	67.0
2-3 PM	3334	0.0	OFF	3334	0	0.00	0	66.6	66.6	66.6
3-4 PM	3633	0.0	OFF	3633	0	0.00	0	66.0	66.0	66.0
4-5 PM	3878	0.0	OFF	3878	0	0.00	0	64.3	64.3	64.3
5-6 PM	3702	0.0	OFF	3702	0	0.00	0	65.6	65.6	65.6
6-7 PM	2954	0.0	OFF	2954	0	0.00	0	67.1	67.1	67.1
7-8 PM	2291	0.0	3000	2291	0	0.33	0	67.9	53.6	49.7
8-9 PM	1714	0.0	3000	1714	0	0.34	0	68.6	53.7	49.7
9-10 PM	1412	0.0	3000	1412	0	0.34	0	69.0	53.8	49.7
10-11 PM	1069	0.0	3000	1069	0	0.35	0	69.4	53.8	49.7
11PM-MID	848	0.0	3000	848	0	0.35	0	69.7	53.9	49.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0100
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$619
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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