

USH 41: STH 114 TO BREEZEWOOD LN/BELL ST (WINNEBAGO COUNTY) NIGHTTIME 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	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	1499	1515	0	2.32	32	68.9	23.7	31.1	
8-9 PM	1285	0.0	1500	1285	0	0.84	0	69.1	40.9	35.9	
9-10 PM	1231	0.0	1500	1231	0	0.75	0	69.2	42.8	37.5	
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	

"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

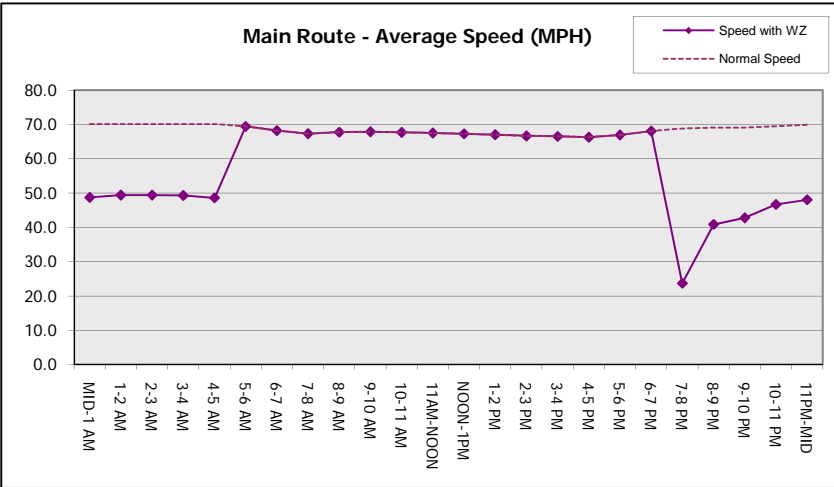
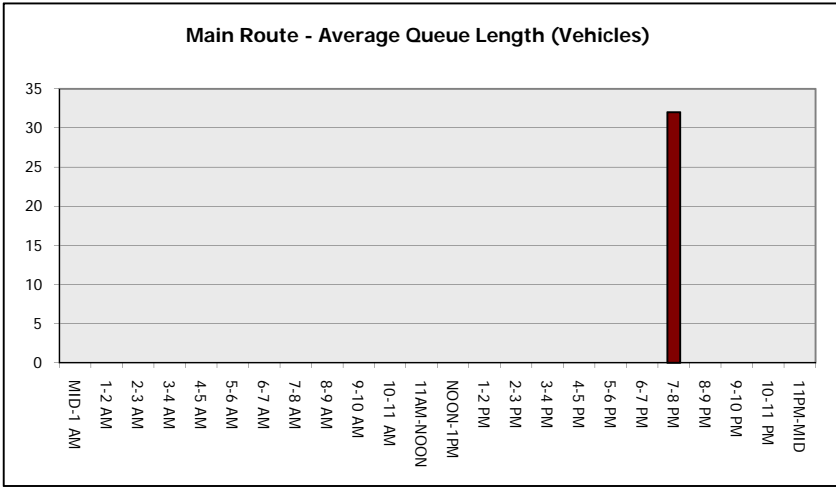
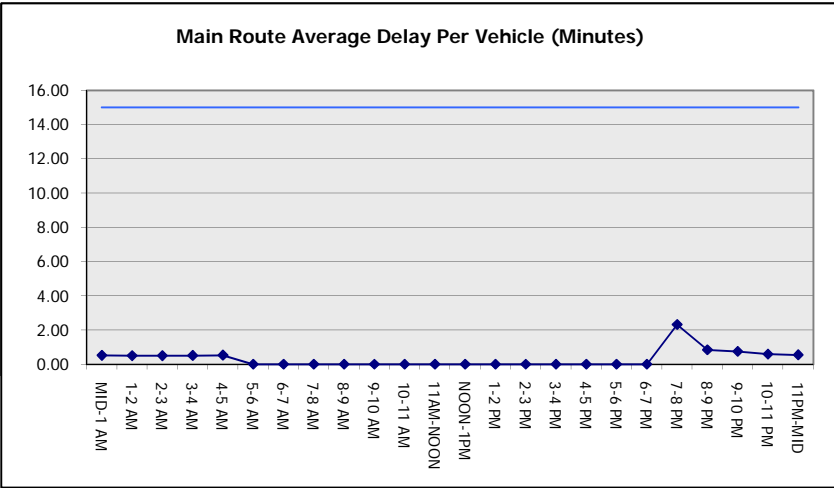
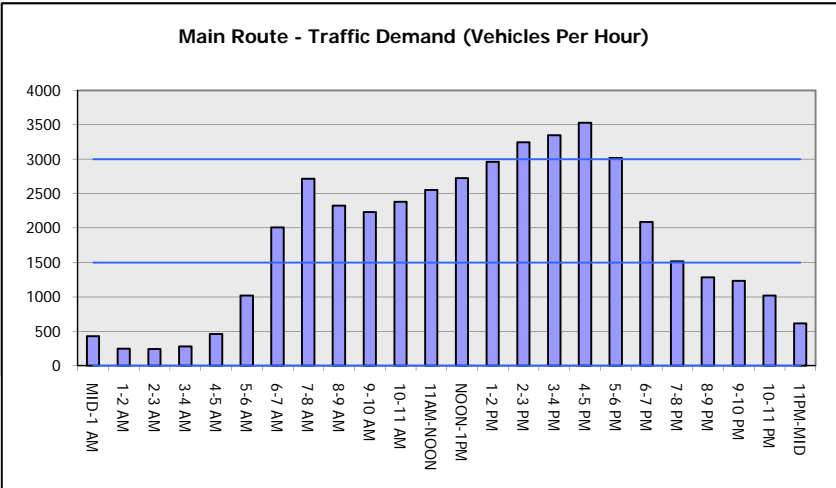
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0097
MAIN ROUTE WITH WORKS	0.0092
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,779
CONGESTED HOURS PER DAY*	0

*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) NIGHTTIME 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	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	1499	1970	322	13.15+	330	67.9	7.6	30.8
8-9 PM	1714	0.0	1499	1459	255	17.12+	419	68.6	6.6	30.8
9-10 PM	1412	0.0	1499	1402	10	16.20+	396	69.0	6.8	30.8
10-11 PM	1069	0.0	1499	1069	0	3.42	142	69.4	19.6	36.8
11PM-MID	848	0.0	1500	848	0	0.57	0	69.7	47.3	42.2

"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	0.0106
MAIN ROUTE WITH WORKS	0.0100
'DIVERSION'	0.0003

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$21,235
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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