

<b>USH 41: USH 10 TO STH 114 (WINNEBAGO COUNTY)                  NIGHTTIME CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	471	0.0	3000	471	0	0.36	0	70.2	61.8	49.7
1-2 AM	326	0.0	3000	326	0	0.36	0	70.2	61.8	49.7
2-3 AM	271	0.0	3000	271	0	0.36	0	70.2	61.8	49.7
3-4 AM	206	0.0	3000	206	0	0.36	0	70.2	61.8	49.7
4-5 AM	336	0.0	3000	336	0	0.36	0	70.2	61.8	49.7
5-6 AM	503	0.0	3000	503	0	0.36	0	70.1	61.8	49.7
6-7 AM	910	0.0	3000	910	0	0.35	0	69.6	61.5	49.7
7-8 AM	1448	0.0	3000	1448	0	0.34	0	68.9	61.2	49.7
8-9 AM	2101	0.0	OFF	2101	0	0.00	0	68.1	68.1	68.1
9-10 AM	2478	0.0	OFF	2478	0	0.00	0	67.6	67.6	67.6
10-11 AM	2813	0.0	OFF	2813	0	0.00	0	67.3	67.3	67.3
11AM-NOON	2956	0.0	OFF	2956	0	0.00	0	67.1	67.1	67.1
NOON-1PM	2869	0.0	OFF	2869	0	0.00	0	67.2	67.2	67.2
1-2 PM	2847	0.0	OFF	2847	0	0.00	0	67.2	67.2	67.2
2-3 PM	2794	0.0	OFF	2794	0	0.00	0	67.3	67.3	67.3
3-4 PM	2606	0.0	OFF	2606	0	0.00	0	67.5	67.5	67.5
4-5 PM	2518	0.0	OFF	2518	0	0.00	0	67.6	67.6	67.6
5-6 PM	2235	0.0	OFF	2235	0	0.00	0	67.9	67.9	67.9
6-7 PM	1852	0.0	3000	1852	0	0.34	0	68.4	60.9	49.7
7-8 PM	1598	0.0	3000	1598	0	0.34	0	68.7	61.0	49.7
8-9 PM	1496	0.0	3000	1496	0	0.34	0	68.9	61.1	49.7
9-10 PM	1575	0.0	3000	1575	0	0.34	0	68.8	61.0	49.7
10-11 PM	1743	0.0	3000	1743	0	0.34	0	68.6	61.0	49.7
11PM-MID	1888	0.0	3000	1888	0	0.34	0	68.4	60.9	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

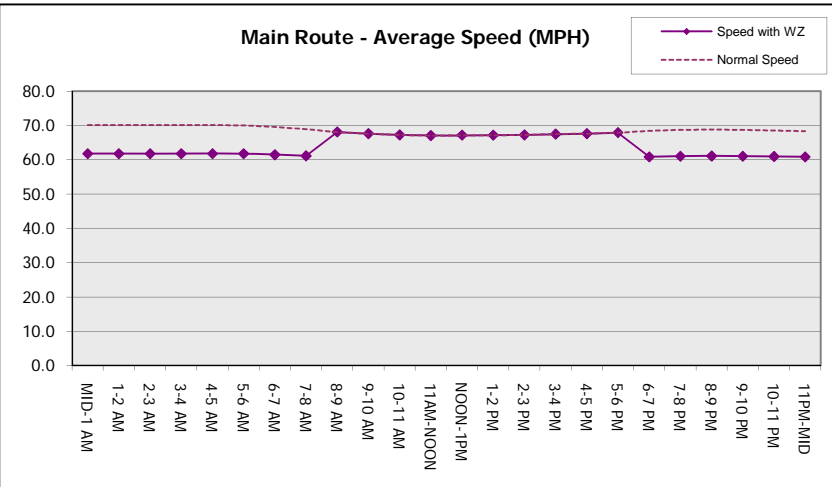
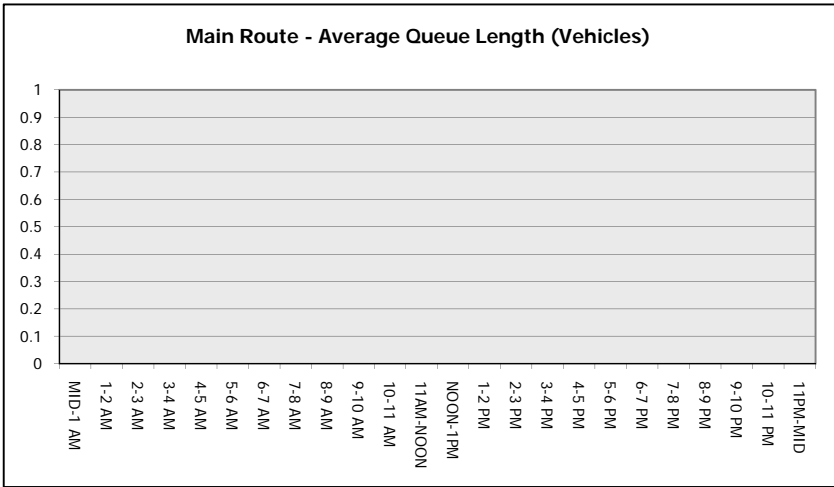
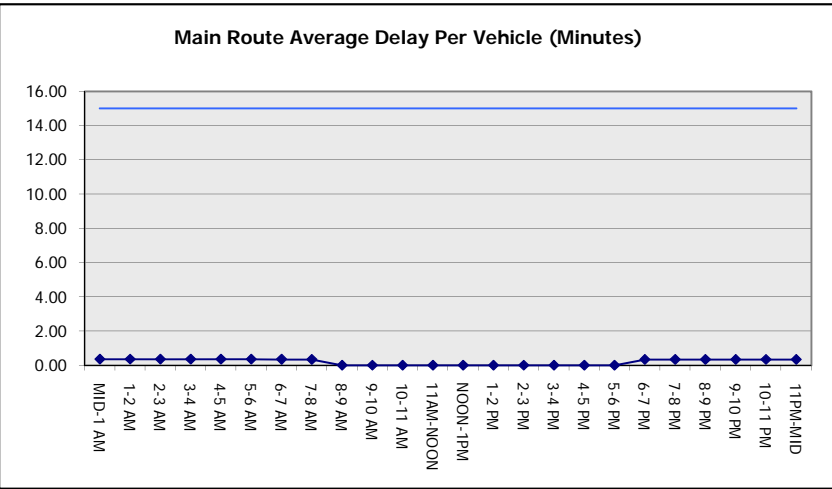
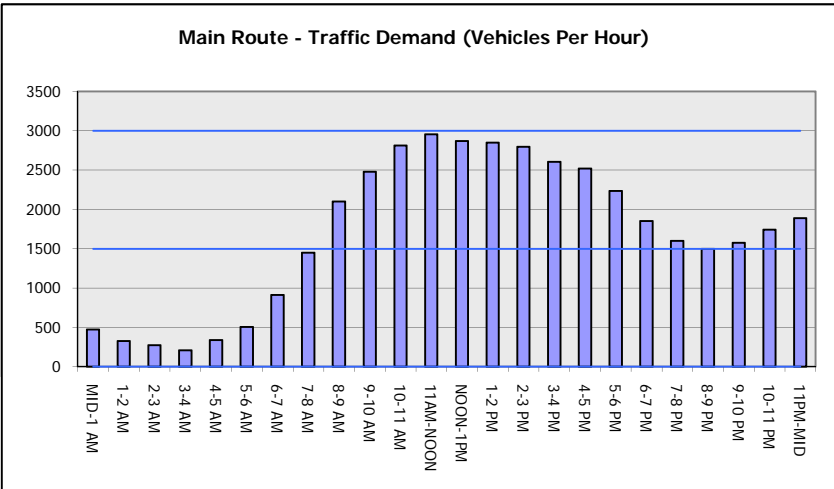
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0202
MAIN ROUTE WITH WORKS	0.0192
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,137
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY SOUTHBOUND DIRECTION**



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**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	580	0.0	3000	580	0	0.36	0	70.0	61.7	49.7
1-2 AM	378	0.0	3000	378	0	0.36	0	70.2	61.8	49.7
2-3 AM	274	0.0	3000	274	0	0.36	0	70.2	61.8	49.7
3-4 AM	223	0.0	3000	223	0	0.36	0	70.2	61.8	49.7
4-5 AM	292	0.0	3000	292	0	0.36	0	70.2	61.8	49.7
5-6 AM	491	0.0	3000	491	0	0.36	0	70.1	61.8	49.7
6-7 AM	763	0.0	3000	763	0	0.35	0	69.8	61.6	49.7
7-8 AM	1160	0.0	3000	1160	0	0.35	0	69.3	61.4	49.7
8-9 AM	1658	0.0	OFF	1658	0	0.00	0	68.7	68.7	68.7
9-10 AM	2175	0.0	OFF	2175	0	0.00	0	68.0	68.0	68.0
10-11 AM	2877	0.0	OFF	2877	0	0.00	0	67.1	67.1	67.1
11AM-NOON	3216	0.0	OFF	3216	0	0.00	0	66.8	66.8	66.8
NOON-1PM	3453	0.0	OFF	3453	0	0.00	0	66.4	66.4	66.4
1-2 PM	3562	0.0	OFF	3562	0	0.00	0	66.3	66.3	66.3
2-3 PM	3616	0.0	OFF	3616	0	0.00	0	66.1	66.1	66.1
3-4 PM	3494	0.0	OFF	3494	0	0.00	0	66.4	66.4	66.4
4-5 PM	3312	0.0	OFF	3312	0	0.00	0	66.6	66.6	66.6
5-6 PM	3051	0.0	OFF	3051	0	0.00	0	66.9	66.9	66.9
6-7 PM	2240	0.0	3000	2240	0	0.33	0	67.9	60.6	49.7
7-8 PM	1627	0.0	3000	1627	0	0.34	0	68.7	61.0	49.7
8-9 PM	1438	0.0	3000	1438	0	0.34	0	68.9	61.2	49.7
9-10 PM	1231	0.0	3000	1231	0	0.35	0	69.2	61.3	49.7
10-11 PM	1149	0.0	3000	1149	0	0.35	0	69.3	61.4	49.7
11PM-MID	784	0.0	3000	784	0	0.35	0	69.7	61.6	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	0.0212
MAIN ROUTE WITH WORKS	0.0204
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$989
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**SATURDAY NORTHBOUND DIRECTION**

