

<b>USH 41: STH 44 TO STH 26 (WINNEBAGO COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY      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	573	0.0	1500	573	0	0.48	0	65.3	54.8	43.2
1-2 AM	184	0.0	1500	184	0	0.44	0	66.0	56.0	44.8
2-3 AM	133	0.0	1500	133	0	0.44	0	66.1	56.1	45.0
3-4 AM	114	0.0	1500	114	0	0.43	0	66.2	56.2	45.0
4-5 AM	115	0.0	1500	115	0	0.43	0	66.2	56.2	45.0
5-6 AM	169	0.0	1500	169	0	0.44	0	66.1	56.0	44.8
6-7 AM	288	0.0	1500	288	0	0.45	0	65.8	55.6	44.3
7-8 AM	515	0.0	1500	515	0	0.47	0	65.5	55.0	43.5
8-9 AM	941	0.0	1499	941	0	0.51	0	64.6	53.7	41.9
9-10 AM	1417	0.0	OFF	1417	0	0.00	0	63.7	63.7	63.7
10-11 AM	2065	0.0	OFF	2065	0	0.00	0	62.5	62.5	62.5
11AM-NOON	2372	0.0	OFF	2372	0	0.00	0	62.0	62.0	62.0
NOON-1PM	2359	0.0	OFF	2359	0	0.00	0	62.0	62.0	62.0
1-2 PM	2418	0.0	OFF	2418	0	0.00	0	61.7	61.7	61.7
2-3 PM	2451	0.0	OFF	2451	0	0.00	0	61.4	61.4	61.4
3-4 PM	2436	0.0	OFF	2436	0	0.00	0	61.5	61.5	61.5
4-5 PM	2394	0.0	OFF	2394	0	0.00	0	61.9	61.9	61.9
5-6 PM	2169	0.0	OFF	2169	0	0.00	0	62.3	62.3	62.3
6-7 PM	1773	0.0	OFF	1773	0	0.00	0	63.1	63.1	63.1
7-8 PM	1395	0.0	1500	1395	0	0.89	0	63.8	47.3	33.1
8-9 PM	1045	0.0	1500	1045	0	0.52	0	64.5	53.3	41.5
9-10 PM	660	0.0	1500	660	0	0.49	0	65.1	54.5	42.9
10-11 PM	447	0.0	1500	447	0	0.47	0	65.6	55.1	43.7
11PM-MID	230	0.0	1500	230	0	0.44	0	66.0	55.8	44.6

**"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

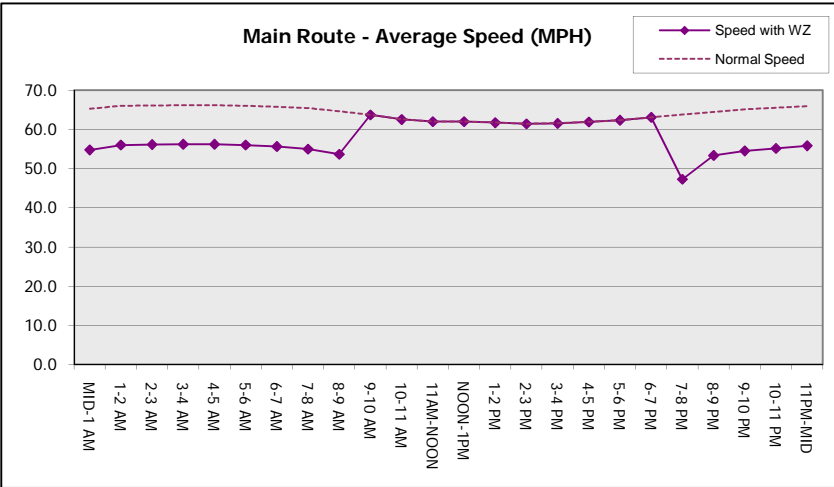
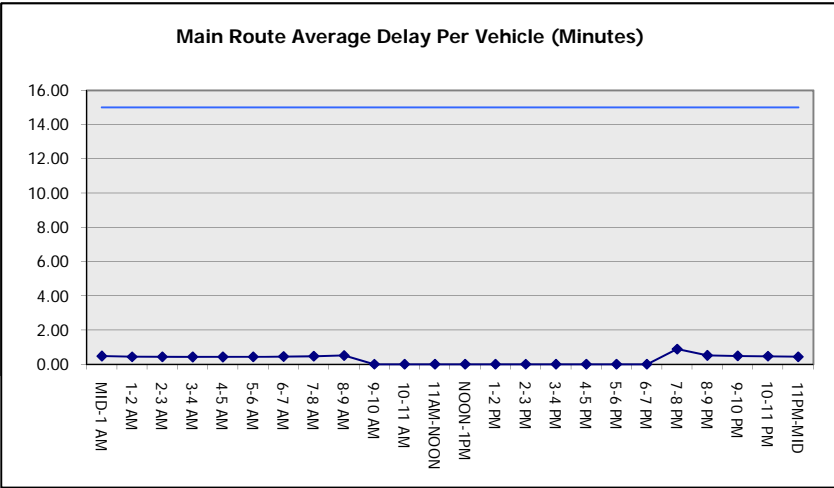
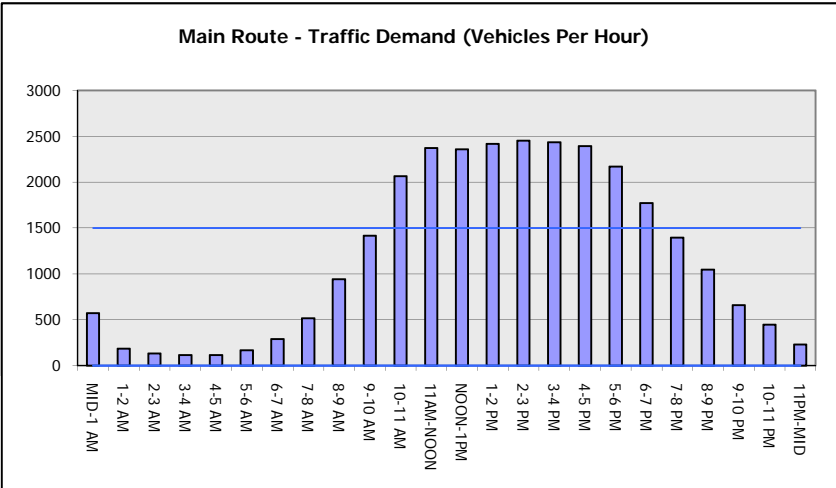
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0123
MAIN ROUTE WITH WORKS	0.0119
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$929
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE  
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**AUGUST**  
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY SOUTHBOUND DIRECTION**



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**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	217	0.0	1500	217	0	0.44	0	66.0	55.9	44.6
1-2 AM	141	0.0	1500	141	0	0.44	0	66.1	56.1	44.9
2-3 AM	104	0.0	1500	104	0	0.43	0	66.2	56.3	45.1
3-4 AM	66	0.0	1500	66	0	0.43	0	66.3	56.4	45.2
4-5 AM	77	0.0	1500	77	0	0.43	0	66.3	56.3	45.2
5-6 AM	215	0.0	1500	215	0	0.44	0	66.0	55.9	44.6
6-7 AM	221	0.0	1500	221	0	0.44	0	66.0	55.9	44.6
7-8 AM	300	0.0	1500	300	0	0.45	0	65.8	55.6	44.3
8-9 AM	498	0.0	1500	498	0	0.47	0	65.5	55.0	43.5
9-10 AM	832	0.0	OFF	832	0	0.00	0	64.8	64.8	64.8
10-11 AM	1160	0.0	OFF	1160	0	0.00	0	64.2	64.2	64.2
11AM-NOON	1442	0.0	OFF	1442	0	0.00	0	63.7	63.7	63.7
NOON-1PM	1554	0.0	OFF	1554	0	0.00	0	63.5	63.5	63.5
1-2 PM	1613	0.0	OFF	1613	0	0.00	0	63.4	63.4	63.4
2-3 PM	1583	0.0	OFF	1583	0	0.00	0	63.5	63.5	63.5
3-4 PM	1579	0.0	OFF	1579	0	0.00	0	63.5	63.5	63.5
4-5 PM	1582	0.0	OFF	1582	0	0.00	0	63.5	63.5	63.5
5-6 PM	1513	0.0	OFF	1513	0	0.00	0	63.6	63.6	63.6
6-7 PM	1277	0.0	OFF	1277	0	0.00	0	64.0	64.0	64.0
7-8 PM	1057	0.0	1500	1057	0	0.52	0	64.4	53.3	41.5
8-9 PM	882	0.0	1500	882	0	0.51	0	64.8	53.8	42.1
9-10 PM	657	0.0	1500	657	0	0.49	0	65.1	54.5	42.9
10-11 PM	448	0.0	1500	448	0	0.47	0	65.6	55.1	43.7
11PM-MID	279	0.0	1500	279	0	0.45	0	65.9	55.7	44.3

"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	0.0083
MAIN ROUTE WITH WORKS	0.0080
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$597
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**SUNDAY NORTHBOUND DIRECTION**

