

<b>USH 41: STH 76 TO USH 45 (WINNEBAGO COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</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	286	0.0	1500	286	0	0.45	0	65.8	56.8	44.3
1-2 AM	166	0.0	1500	166	0	0.44	0	66.1	57.2	44.8
2-3 AM	137	0.0	1500	137	0	0.44	0	66.1	57.3	45.0
3-4 AM	110	0.0	1500	110	0	0.43	0	66.2	57.3	45.0
4-5 AM	188	0.0	1500	188	0	0.44	0	66.0	57.1	44.7
5-6 AM	287	0.0	1500	287	0	0.45	0	65.8	56.8	44.3
6-7 AM	561	0.0	1500	561	0	0.48	0	65.3	56.0	43.3
7-8 AM	953	0.0	1500	953	0	0.51	0	64.6	54.8	41.9
8-9 AM	1353	0.0	OFF	1353	0	0.00	0	63.8	63.8	63.8
9-10 AM	1473	0.0	OFF	1473	0	0.00	0	63.7	63.7	63.7
10-11 AM	1672	0.0	OFF	1672	0	0.00	0	63.3	63.3	63.3
11AM-NOON	1655	0.0	OFF	1655	0	0.00	0	63.3	63.3	63.3
NOON-1PM	1706	0.0	OFF	1706	0	0.00	0	63.2	63.2	63.2
1-2 PM	1626	0.0	OFF	1626	0	0.00	0	63.3	63.3	63.3
2-3 PM	1693	0.0	OFF	1693	0	0.00	0	63.2	63.2	63.2
3-4 PM	1705	0.0	OFF	1705	0	0.00	0	63.2	63.2	63.2
4-5 PM	1549	0.0	OFF	1549	0	0.00	0	63.5	63.5	63.5
5-6 PM	1396	0.0	OFF	1396	0	0.00	0	63.8	63.8	63.8
6-7 PM	1135	0.0	1500	1135	0	0.55	0	64.3	54.0	40.6
7-8 PM	946	0.0	1500	946	0	0.51	0	64.6	54.8	41.9
8-9 PM	876	0.0	1500	876	0	0.51	0	64.8	55.0	42.1
9-10 PM	766	0.0	1500	766	0	0.50	0	65.0	55.3	42.5
10-11 PM	616	0.0	1500	616	0	0.48	0	65.3	55.8	43.1
11PM-MID	372	0.0	1500	372	0	0.46	0	65.7	56.5	44.0

"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	0.0115
MAIN ROUTE WITH WORKS	0.0110
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$874
CONGESTED HOURS PER DAY*	0

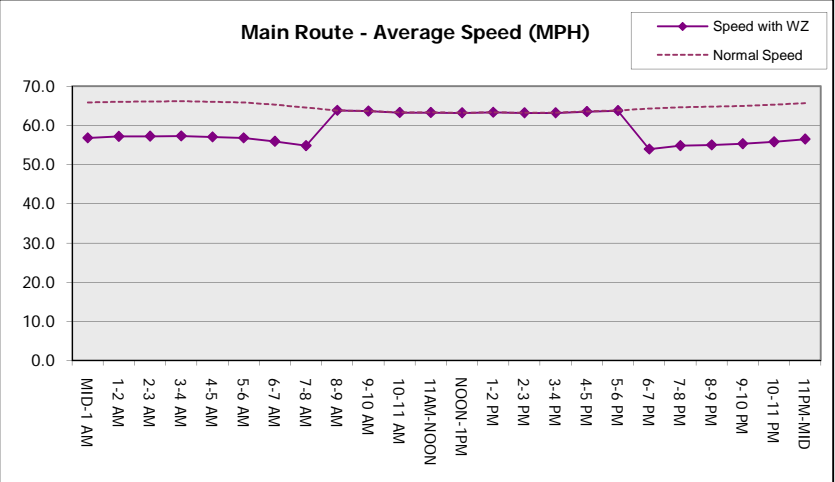
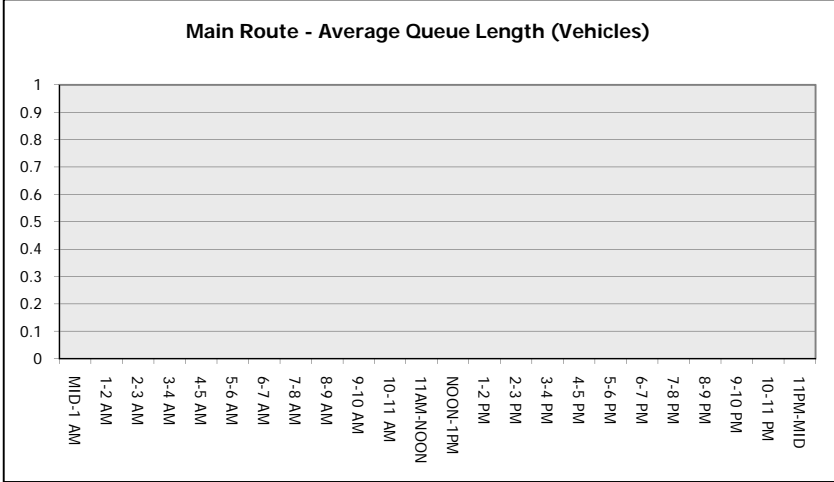
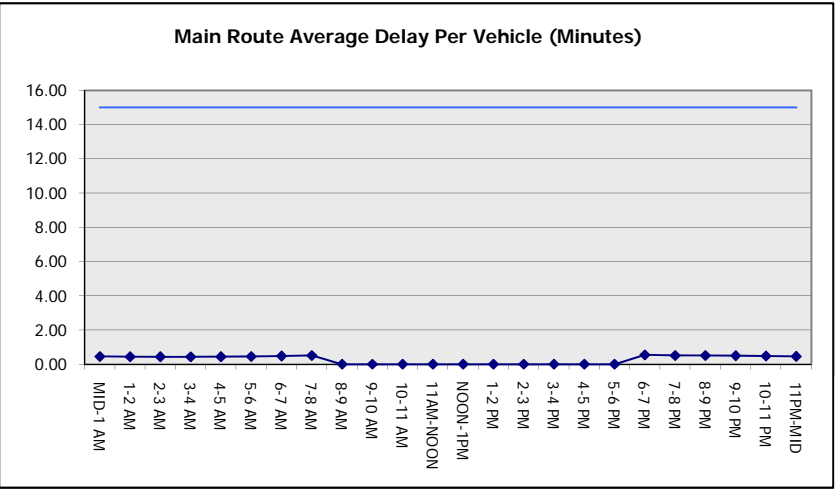
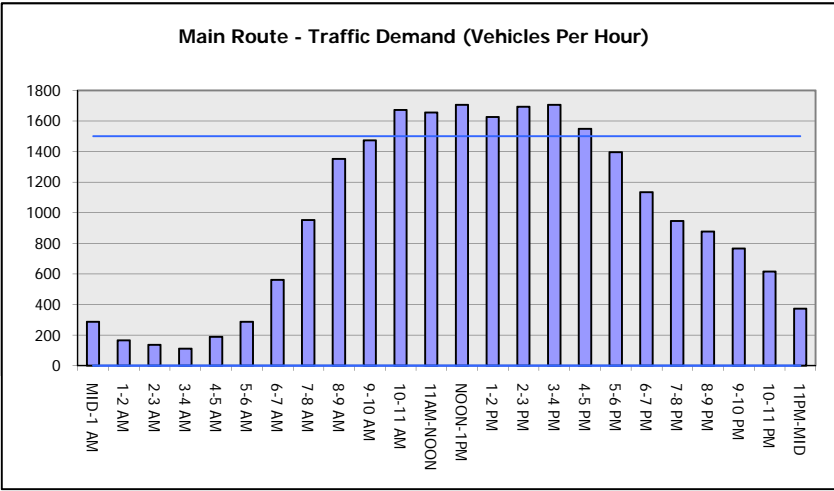
\*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SATURDAY SOUTHBOUND DIRECTION**



<b>USH 41: STH 76 TO USH 45 (WINNEBAGO COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**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	317	0.0	1500	317	0	0.45	0	65.8	56.7	44.2
1-2 AM	214	0.0	1500	214	0	0.44	0	66.0	57.0	44.6
2-3 AM	154	0.0	1500	154	0	0.44	0	66.1	57.2	44.8
3-4 AM	126	0.0	1500	126	0	0.43	0	66.1	57.3	45.0
4-5 AM	151	0.0	1500	151	0	0.44	0	66.1	57.2	44.9
5-6 AM	343	0.0	1500	343	0	0.46	0	65.8	56.6	44.1
6-7 AM	578	0.0	1500	578	0	0.48	0	65.3	55.9	43.2
7-8 AM	1071	0.0	1500	1071	0	0.53	0	64.4	54.5	41.4
8-9 AM	1389	0.0	OFF	1389	0	0.00	0	63.8	63.8	63.8
9-10 AM	1702	0.0	OFF	1702	0	0.00	0	63.2	63.2	63.2
10-11 AM	2040	0.0	OFF	2040	0	0.00	0	62.6	62.6	62.6
11AM-NOON	2220	0.0	OFF	2220	0	0.00	0	62.2	62.2	62.2
NOON-1PM	2200	0.0	OFF	2200	0	0.00	0	62.3	62.3	62.3
1-2 PM	2148	0.0	OFF	2148	0	0.00	0	62.4	62.4	62.4
2-3 PM	2080	0.0	OFF	2080	0	0.00	0	62.5	62.5	62.5
3-4 PM	1985	0.0	OFF	1985	0	0.00	0	62.7	62.7	62.7
4-5 PM	2036	0.0	OFF	2036	0	0.00	0	62.6	62.6	62.6
5-6 PM	1757	0.0	OFF	1757	0	0.00	0	63.1	63.1	63.1
6-7 PM	1415	0.0	1500	1415	0	0.92	0	63.8	48.5	32.6
7-8 PM	1141	0.0	1500	1141	0	0.56	0	64.3	53.8	40.4
8-9 PM	954	0.0	1500	954	0	0.51	0	64.6	54.8	41.9
9-10 PM	876	0.0	1500	876	0	0.51	0	64.8	55.0	42.1
10-11 PM	686	0.0	1500	686	0	0.49	0	65.1	55.6	42.8
11PM-MID	460	0.0	1500	460	0	0.47	0	65.5	56.3	43.7

"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	0.0138
MAIN ROUTE WITH WORKS	0.0133
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,153
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**MAY**  
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Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY NORTHBOUND DIRECTION**

