

<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**

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	202	0.0	1500	202	0	0.44	0	66.0	57.1	44.6
1-2 AM	150	0.0	1500	150	0	0.44	0	66.1	57.2	44.9
2-3 AM	164	0.0	1500	164	0	0.44	0	66.1	57.2	44.8
3-4 AM	201	0.0	1500	201	0	0.44	0	66.0	57.1	44.6
4-5 AM	306	0.0	1500	306	0	0.45	0	65.8	56.8	44.3
5-6 AM	711	0.0	OFF	711	0	0.00	0	65.1	65.1	65.1
6-7 AM	1509	0.0	OFF	1509	0	0.00	0	63.6	63.6	63.6
7-8 AM	2110	0.0	OFF	2110	0	0.00	0	62.5	62.5	62.5
8-9 AM	1835	0.0	OFF	1835	0	0.00	0	63.0	63.0	63.0
9-10 AM	1532	0.0	OFF	1532	0	0.00	0	63.5	63.5	63.5
10-11 AM	1593	0.0	OFF	1593	0	0.00	0	63.4	63.4	63.4
11AM-NOON	1660	0.0	OFF	1660	0	0.00	0	63.3	63.3	63.3
NOON-1PM	1807	0.0	OFF	1807	0	0.00	0	63.0	63.0	63.0
1-2 PM	1986	0.0	OFF	1986	0	0.00	0	62.7	62.7	62.7
2-3 PM	2266	0.0	OFF	2266	0	0.00	0	62.2	62.2	62.2
3-4 PM	2450	0.0	OFF	2450	0	0.00	0	61.4	61.4	61.4
4-5 PM	2651	0.0	OFF	2651	0	0.00	0	59.4	59.4	59.4
5-6 PM	2337	0.0	OFF	2337	0	0.00	0	62.0	62.0	62.0
6-7 PM	1598	0.0	OFF	1598	0	0.00	0	63.4	63.4	63.4
7-8 PM	1087	0.0	1500	1087	0	0.53	0	64.3	54.4	41.4
8-9 PM	913	0.0	1500	913	0	0.51	0	64.7	54.9	42.0
9-10 PM	830	0.0	1500	830	0	0.50	0	64.8	55.1	42.3
10-11 PM	739	0.0	1500	739	0	0.49	0	65.0	55.5	42.6
11PM-MID	504	0.0	1500	504	0	0.47	0	65.5	56.1	43.5

"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

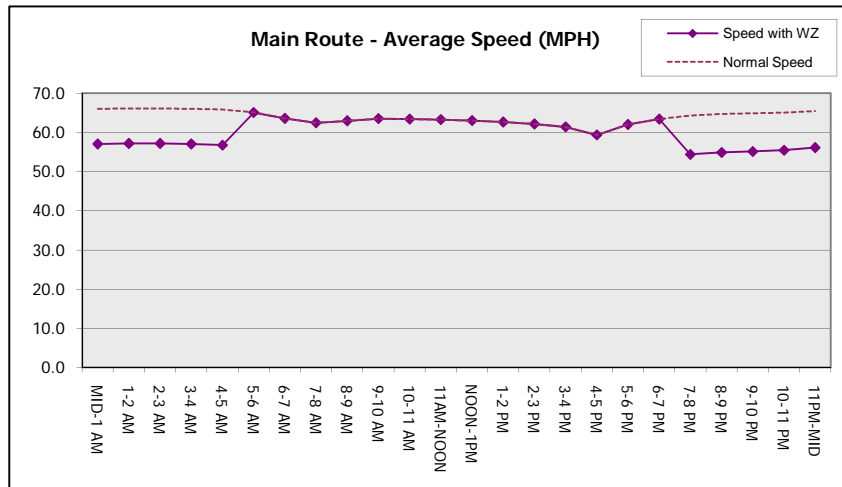
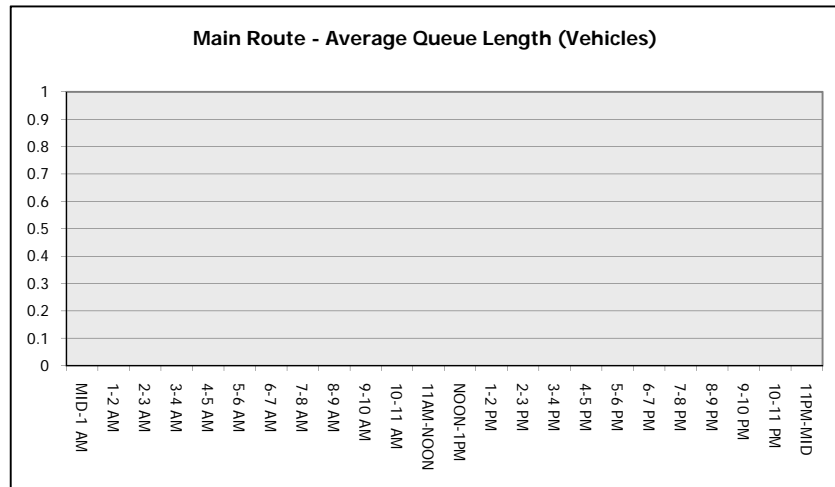
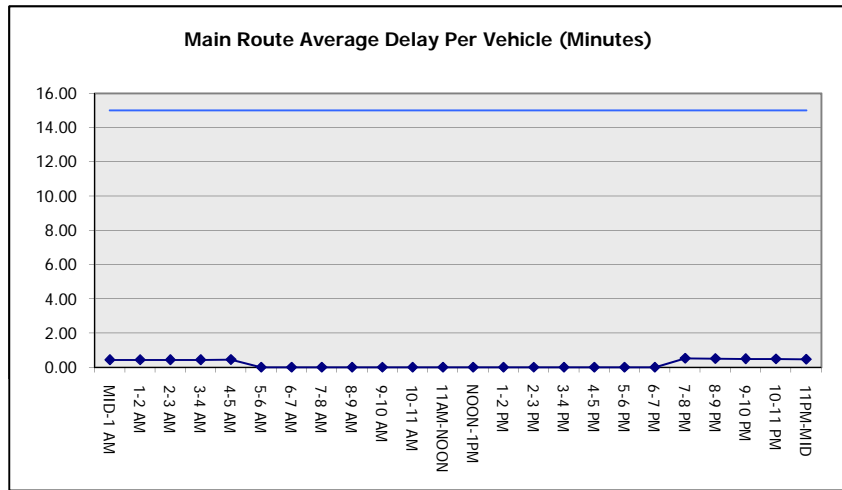
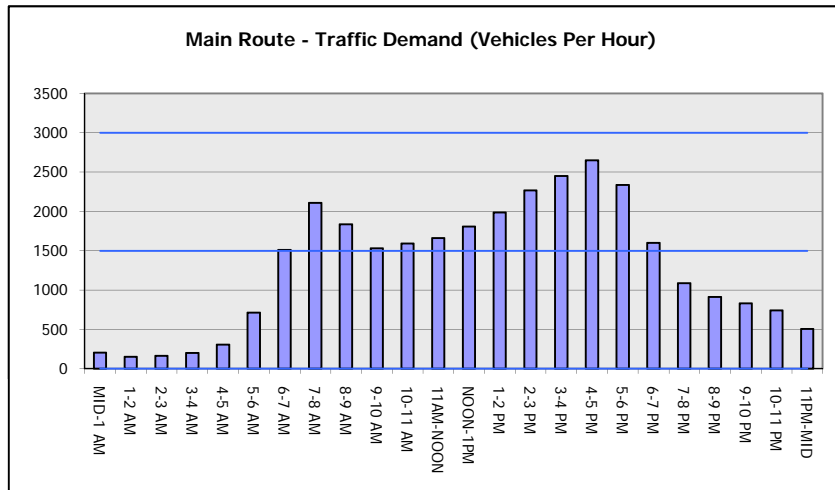
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0154
MAIN ROUTE WITH WORKS	0.0150
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$646
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

**USH 41: STH 76 TO USH 45 (WINNEBAGO COUNTY)  
NIGHTTIME CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
Analyzed for 2009  
Construction Season

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

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	253	0.0	1500	253	0	0.45	0	65.9	56.9	44.5
1-2 AM	179	0.0	1500	179	0	0.44	0	66.1	57.1	44.8
2-3 AM	151	0.0	1500	151	0	0.44	0	66.1	57.2	44.9
3-4 AM	184	0.0	1500	184	0	0.44	0	66.0	57.1	44.8
4-5 AM	275	0.0	1500	275	0	0.45	0	65.9	56.8	44.4
5-6 AM	780	0.0	OFF	780	0	0.00	0	65.0	65.0	65.0
6-7 AM	1547	0.0	OFF	1547	0	0.00	0	63.5	63.5	63.5
7-8 AM	2402	0.0	OFF	2402	0	0.00	0	61.9	61.9	61.9
8-9 AM	1819	0.0	OFF	1819	0	0.00	0	63.0	63.0	63.0
9-10 AM	1825	0.0	OFF	1825	0	0.00	0	63.0	63.0	63.0
10-11 AM	1958	0.0	OFF	1958	0	0.00	0	62.7	62.7	62.7
11AM-NOON	2084	0.0	OFF	2084	0	0.00	0	62.5	62.5	62.5
NOON-1PM	2230	0.0	OFF	2230	0	0.00	0	62.2	62.2	62.2
1-2 PM	2385	0.0	OFF	2385	0	0.00	0	61.9	61.9	61.9
2-3 PM	2666	0.0	OFF	2666	0	0.00	0	59.2	59.2	59.2
3-4 PM	2913	0.0	OFF	2913	0	0.00	0	56.6	56.6	56.6
4-5 PM	3215	0.0	OFF	3215	0	0.00	0	53.6	53.6	53.6
5-6 PM	3102	0.0	OFF	3102	0	0.00	0	54.7	54.7	54.7
6-7 PM	2513	0.0	OFF	2513	0	0.00	0	60.7	60.7	60.7
7-8 PM	1944	0.0	1499	1944	0	9.13+	253	62.8	15.6	30.8
8-9 PM	1505	0.0	1499	1399	106	15.22+	383	63.6	10.7	30.8
9-10 PM	1055	0.0	1499	1055	0	4.05	153	64.4	26.8	36.7
10-11 PM	761	0.0	1500	761	0	0.50	0	65.0	55.4	42.5
11PM-MID	555	0.0	1500	555	0	0.48	0	65.3	56.0	43.3

"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	0.0189
MAIN ROUTE WITH WORKS	0.0184
'DIVERSION'	0.0001

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$11,852
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding User-Specified Maximum

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 Construction Season

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

