

<b>USH 41: 9TH AVE TO STH 44 (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	265	0.0	1500	265	0	0.45	0	65.9	48.7	44.4
1-2 AM	166	0.0	1500	166	0	0.44	0	66.1	49.1	44.8
2-3 AM	134	0.0	1500	134	0	0.44	0	66.1	49.2	45.0
3-4 AM	116	0.0	1500	116	0	0.43	0	66.2	49.3	45.0
4-5 AM	212	0.0	1500	212	0	0.44	0	66.0	48.9	44.6
5-6 AM	327	0.0	1500	327	0	0.45	0	65.8	48.5	44.2
6-7 AM	588	0.0	1500	588	0	0.48	0	65.3	47.6	43.2
7-8 AM	980	0.0	1499	980	0	0.52	0	64.6	46.2	41.7
8-9 AM	1430	0.0	OFF	1430	0	0.00	0	63.7	63.7	63.7
9-10 AM	1640	0.0	OFF	1640	0	0.00	0	63.3	63.3	63.3
10-11 AM	1855	0.0	OFF	1855	0	0.00	0	62.9	62.9	62.9
11AM-NOON	1851	0.0	OFF	1851	0	0.00	0	62.9	62.9	62.9
NOON-1PM	1819	0.0	OFF	1819	0	0.00	0	63.0	63.0	63.0
1-2 PM	1757	0.0	OFF	1757	0	0.00	0	63.1	63.1	63.1
2-3 PM	1827	0.0	OFF	1827	0	0.00	0	63.0	63.0	63.0
3-4 PM	1831	0.0	OFF	1831	0	0.00	0	63.0	63.0	63.0
4-5 PM	1658	0.0	OFF	1658	0	0.00	0	63.3	63.3	63.3
5-6 PM	1487	0.0	OFF	1487	0	0.00	0	63.6	63.6	63.6
6-7 PM	1216	0.0	1500	1216	0	0.66	0	64.1	42.7	37.9
7-8 PM	994	0.0	1500	994	0	0.52	0	64.5	46.1	41.7
8-9 PM	906	0.0	1500	906	0	0.51	0	64.7	46.5	42.0
9-10 PM	772	0.0	1500	772	0	0.50	0	65.0	46.9	42.5
10-11 PM	616	0.0	1500	616	0	0.48	0	65.3	47.4	43.1
11PM-MID	364	0.0	1500	364	0	0.46	0	65.7	48.4	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

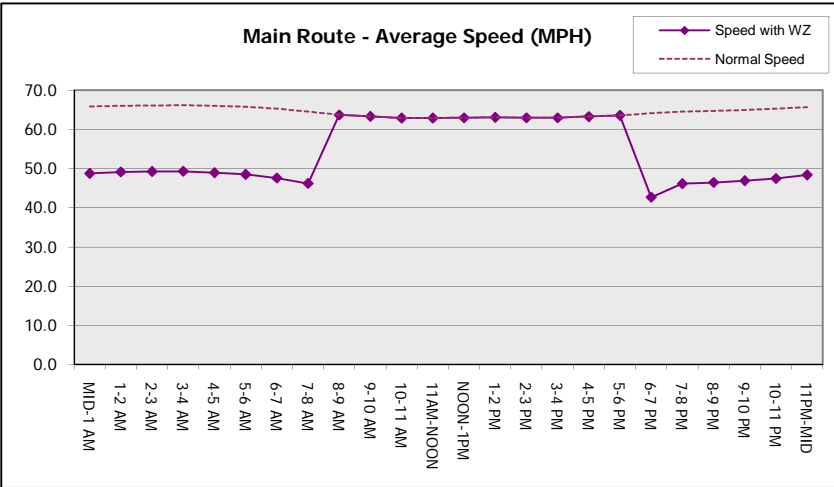
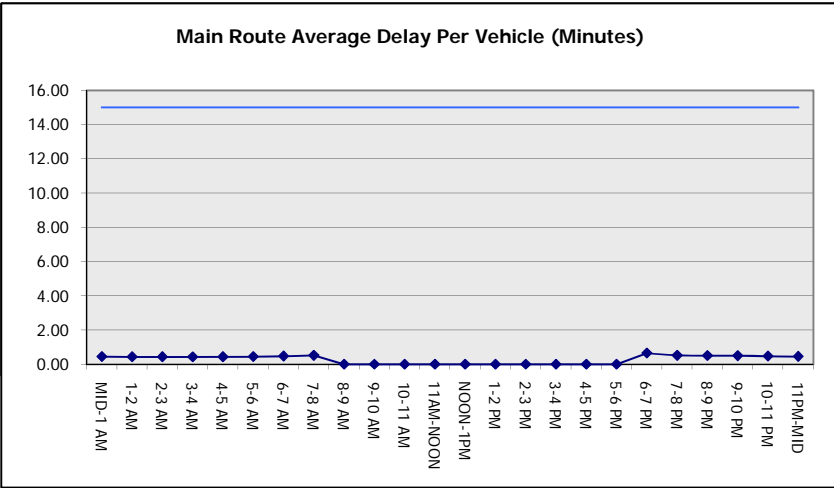
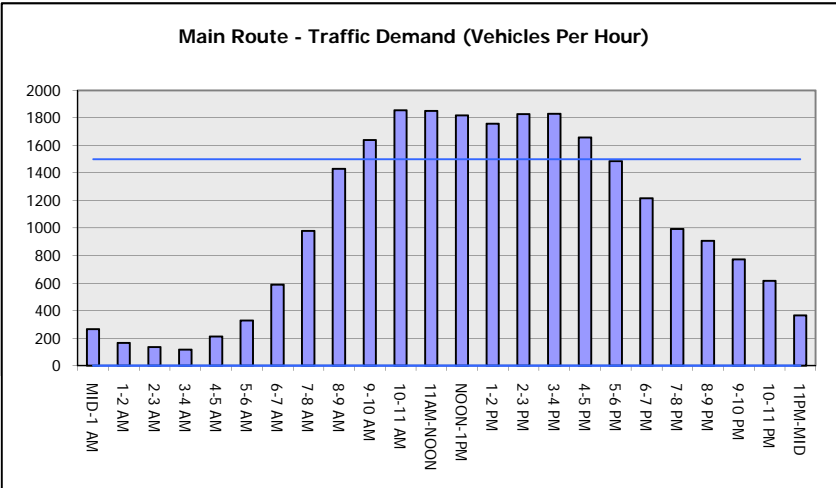
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0055
MAIN ROUTE WITH WORKS	0.0050
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$933
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

**USH 41: 9TH AVE TO STH 44 (WINNEBAGO COUNTY)  
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: 9TH AVE TO STH 44 (WINNEBAGO COUNTY)                  NIGHTTIME CLOSURE                  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	301	0.0	1500	301	0	0.45	0	65.8	48.6	44.3
1-2 AM	189	0.0	1500	189	0	0.44	0	66.0	49.0	44.7
2-3 AM	154	0.0	1500	154	0	0.44	0	66.1	49.1	44.8
3-4 AM	125	0.0	1500	125	0	0.43	0	66.1	49.2	45.0
4-5 AM	169	0.0	1500	169	0	0.44	0	66.1	49.1	44.8
5-6 AM	372	0.0	1500	372	0	0.46	0	65.7	48.3	44.0
6-7 AM	600	0.0	1500	600	0	0.48	0	65.3	47.5	43.1
7-8 AM	987	0.0	1500	987	0	0.52	0	64.5	46.1	41.7
8-9 AM	1307	0.0	OFF	1307	0	0.00	0	64.0	64.0	64.0
9-10 AM	1607	0.0	OFF	1607	0	0.00	0	63.4	63.4	63.4
10-11 AM	1863	0.0	OFF	1863	0	0.00	0	62.9	62.9	62.9
11AM-NOON	1924	0.0	OFF	1924	0	0.00	0	62.8	62.8	62.8
NOON-1PM	1898	0.0	OFF	1898	0	0.00	0	62.8	62.8	62.8
1-2 PM	1861	0.0	OFF	1861	0	0.00	0	62.9	62.9	62.9
2-3 PM	1761	0.0	OFF	1761	0	0.00	0	63.1	63.1	63.1
3-4 PM	1657	0.0	OFF	1657	0	0.00	0	63.3	63.3	63.3
4-5 PM	1656	0.0	OFF	1656	0	0.00	0	63.3	63.3	63.3
5-6 PM	1495	0.0	OFF	1495	0	0.00	0	63.6	63.6	63.6
6-7 PM	1216	0.0	1500	1216	0	0.66	0	64.1	42.7	37.9
7-8 PM	1010	0.0	1500	1010	0	0.52	0	64.5	46.1	41.7
8-9 PM	839	0.0	1500	839	0	0.50	0	64.8	46.6	42.2
9-10 PM	767	0.0	1500	767	0	0.50	0	65.0	46.9	42.5
10-11 PM	614	0.0	1500	614	0	0.48	0	65.3	47.4	43.1
11PM-MID	397	0.0	1500	397	0	0.46	0	65.6	48.3	43.9

"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	0.0055
MAIN ROUTE WITH WORKS	0.0050
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$940
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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

