

<b>USH 41: STH 44 TO STH 26 (WINNEBAGO COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  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	230	0.0	1500	230	0	0.44	0	66.0	55.8	44.6	
1-2 AM	144	0.0	1500	144	0	0.44	0	66.1	56.1	44.9	
2-3 AM	116	0.0	1500	116	0	0.43	0	66.2	56.2	45.0	
3-4 AM	101	0.0	1500	101	0	0.43	0	66.2	56.3	45.1	
4-5 AM	184	0.0	1500	184	0	0.44	0	66.0	56.0	44.8	
5-6 AM	284	0.0	1500	284	0	0.45	0	65.8	55.7	44.3	
6-7 AM	511	0.0	1500	511	0	0.47	0	65.5	55.0	43.5	
7-8 AM	850	0.0	1500	850	0	0.50	0	64.8	53.9	42.2	
8-9 AM	1240	0.0	1500	1240	0	0.69	0	64.1	50.4	37.2	
9-10 AM	1423	0.0	1499	1423	0	0.92	0	63.7	46.8	32.5	
10-11 AM	1609	0.0	1499	1609	0	2.63	48	63.4	31.2	30.8	
11AM-NOON	1606	0.0	1499	1606	0	6.94	162	63.4	17.1	30.8	
NOON-1PM	1578	0.0	1499	1578	0	10.48	256	63.5	12.5	30.8	
1-2 PM	1525	0.0	1499	1525	0	12.33	305	63.5	11.2	30.8	
2-3 PM	1585	0.0	1500	1585	0	14.27+	358	63.4	10.4	30.8	
3-4 PM	1588	0.0	1499	1505	84	16.38+	414	63.4	9.7	30.8	
4-5 PM	1439	0.0	1500	1439	0	15.34+	386	63.7	10.1	30.8	
5-6 PM	1290	0.0	1499	1290	0	10.06	253	64.0	13.1	31.1	
6-7 PM	1054	0.0	1500	1054	0	1.08	23	64.4	45.0	40.3	
7-8 PM	863	0.0	1500	863	0	0.51	0	64.8	53.9	42.2	
8-9 PM	785	0.0	1500	785	0	0.50	0	64.9	54.1	42.4	
9-10 PM	669	0.0	1500	669	0	0.49	0	65.1	54.5	42.8	
10-11 PM	534	0.0	1500	534	0	0.47	0	65.4	54.9	43.3	
11PM-MID	316	0.0	1500	316	0	0.45	0	65.8	55.6	44.2	

+ 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

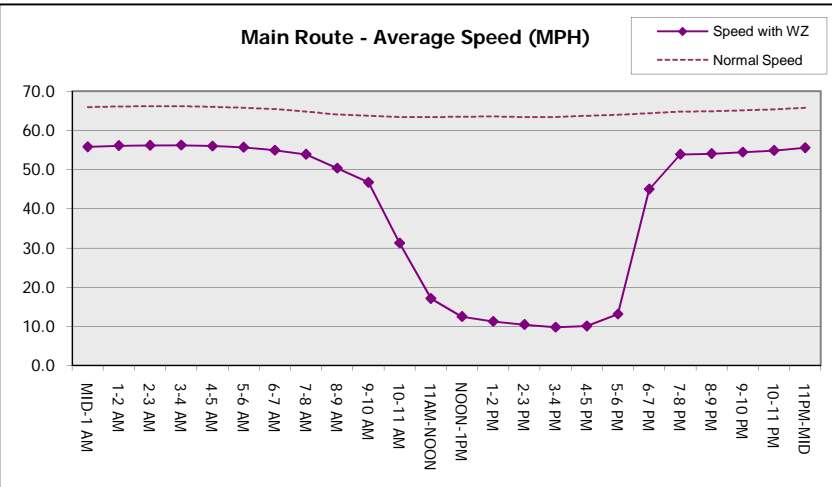
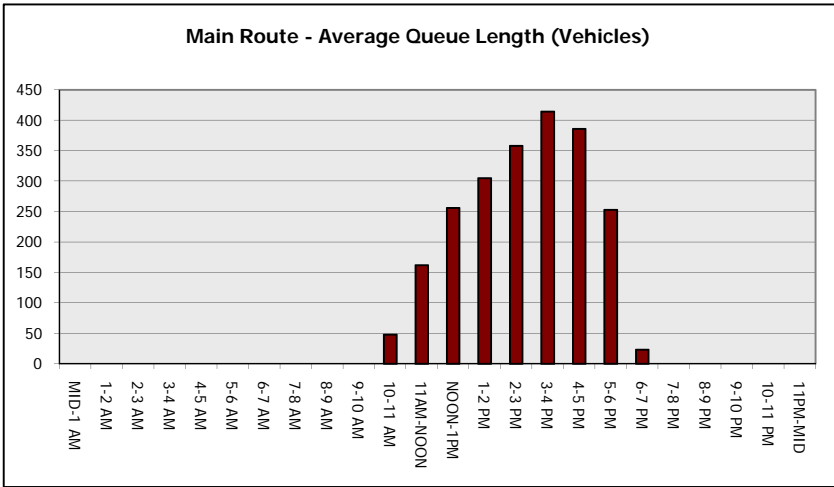
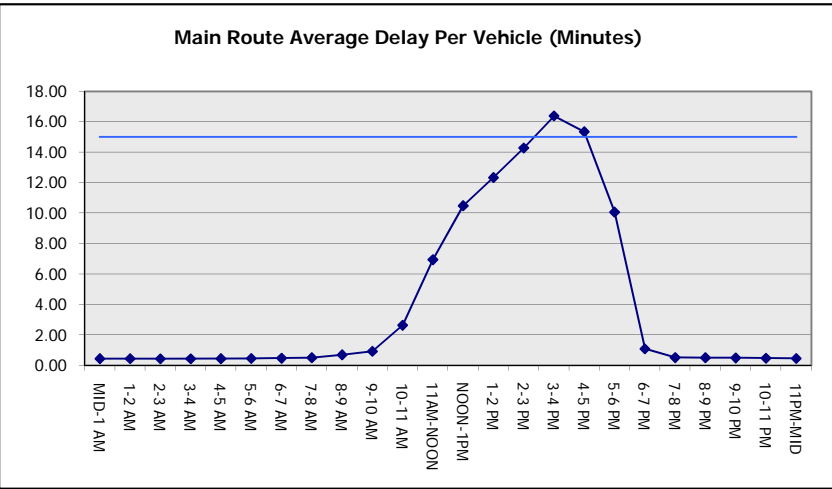
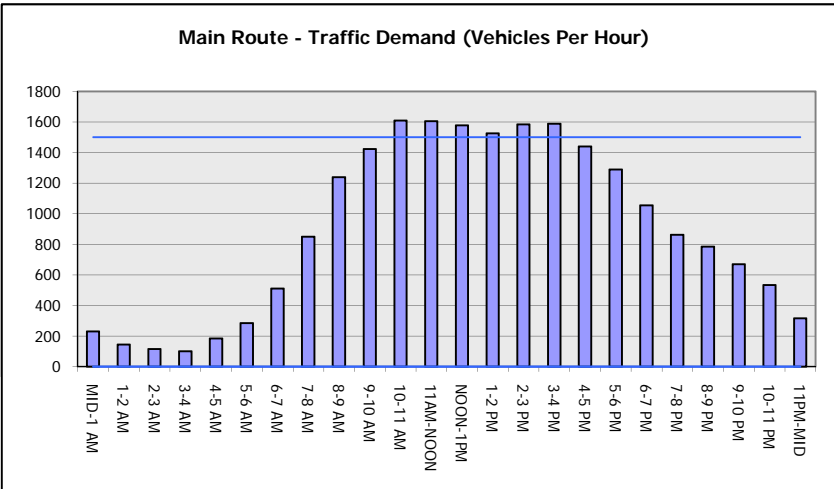
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0093
MAIN ROUTE WITH WORKS	0.0078
'DIVERSION'	0.0001
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$39,283
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding User-Specified Maximum

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CONTINUOUS (24 HOUR) CLOSURE  
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**MAY**  
Analyzed for 2009  
Construction Season

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



<b>USH 41: STH 44 TO STH 26 (WINNEBAGO COUNTY)</b> <b>CONTINUOUS (24 HOUR) 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	260	0.0	1500	260	0	0.45	0	65.9	55.8	44.5
1-2 AM	165	0.0	1500	165	0	0.44	0	66.1	56.1	44.8
2-3 AM	134	0.0	1500	134	0	0.44	0	66.1	56.1	45.0
3-4 AM	108	0.0	1500	108	0	0.43	0	66.2	56.3	45.1
4-5 AM	146	0.0	1500	146	0	0.44	0	66.1	56.1	44.9
5-6 AM	322	0.0	1500	322	0	0.45	0	65.8	55.6	44.2
6-7 AM	521	0.0	1500	521	0	0.47	0	65.4	55.0	43.4
7-8 AM	856	0.0	1500	856	0	0.51	0	64.8	53.9	42.2
8-9 AM	1133	0.0	1500	1133	0	0.55	0	64.3	52.8	40.7
9-10 AM	1395	0.0	1499	1395	0	0.89	0	63.8	47.3	33.2
10-11 AM	1616	0.0	1499	1616	0	2.63	49	63.4	31.2	30.8
11AM-NOON	1669	0.0	1500	1669	0	8.15	199	63.3	15.2	30.8
NOON-1PM	1646	0.0	1499	1646	0	14.26+	359	63.3	10.4	30.8
1-2 PM	1614	0.0	1499	1494	120	16.37+	414	63.4	9.7	30.8
2-3 PM	1528	0.0	1499	1490	38	16.36+	413	63.5	9.7	30.8
3-4 PM	1438	0.0	1499	1438	0	15.35+	386	63.7	10.1	30.8
4-5 PM	1437	0.0	1500	1437	0	13.09	325	63.7	10.9	30.8
5-6 PM	1296	0.0	1499	1296	0	7.97	199	64.0	15.5	31.5
6-7 PM	1055	0.0	1500	1055	0	0.77	9	64.4	49.3	41.0
7-8 PM	876	0.0	1500	876	0	0.51	0	64.8	53.8	42.1
8-9 PM	728	0.0	1500	728	0	0.49	0	65.0	54.3	42.7
9-10 PM	665	0.0	1500	665	0	0.49	0	65.1	54.5	42.9
10-11 PM	532	0.0	1500	532	0	0.47	0	65.4	54.9	43.4
11PM-MID	345	0.0	1500	345	0	0.46	0	65.8	55.5	44.1

+ 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	0.0092
MAIN ROUTE WITH WORKS	0.0078
'DIVERSION'	0.0002

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$41,793
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding User-Specified Maximum

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**SATURDAY NORTHBOUND DIRECTION**

