

<b>USH 41: 9TH AVE TO STH 44 (WINNEBAGO COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</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	275	0.0	1500	275	0	0.45	0	65.9	48.7	44.4
1-2 AM	187	0.0	1500	187	0	0.44	0	66.0	49.0	44.7
2-3 AM	169	0.0	1500	169	0	0.44	0	66.1	49.1	44.8
3-4 AM	220	0.0	1500	220	0	0.44	0	66.0	48.9	44.6
4-5 AM	385	0.0	1500	385	0	0.46	0	65.6	48.3	44.0
5-6 AM	841	0.0	1500	841	0	0.50	0	64.8	46.6	42.2
6-7 AM	1496	0.0	1499	1496	0	1.40	19	63.6	30.9	32.6
7-8 AM	2096	0.0	1500	1807	289	12.21+	325	62.5	9.3	30.8
8-9 AM	1844	0.0	1500	1524	319	17.24+	438	63.0	7.8	30.8
9-10 AM	1839	0.0	1500	1507	331	17.31+	439	63.0	7.8	30.8
10-11 AM	1975	0.0	1500	1506	470	17.32+	440	62.7	7.8	30.8
11AM-NOON	2090	0.0	1500	1505	585	17.33+	440	62.5	7.8	30.8
NOON-1PM	2201	0.0	1500	1504	697	17.34+	441	62.3	7.8	30.8
1-2 PM	2320	0.0	1500	1503	817	17.35+	441	62.0	7.8	30.8
2-3 PM	2570	0.0	1500	1507	1063	17.32+	443	60.2	7.8	30.8
3-4 PM	2684	0.0	1500	1507	1177	17.36+	445	59.0	7.8	30.8
4-5 PM	2696	0.0	1500	1499	1197	17.38+	446	58.9	7.8	30.8
5-6 PM	2310	0.0	1500	1499	811	17.35+	441	62.1	7.8	30.8
6-7 PM	1730	0.0	1500	1499	232	17.30+	439	63.2	7.8	30.8
7-8 PM	1247	0.0	1499	1247	0	13.31+	339	64.1	8.8	31.1
8-9 PM	1009	0.0	1500	1009	0	1.22	40	64.5	33.8	40.3
9-10 PM	870	0.0	1500	870	0	0.51	0	64.8	46.6	42.2
10-11 PM	784	0.0	1500	784	0	0.50	0	64.9	46.8	42.5
11PM-MID	492	0.0	1500	492	0	0.47	0	65.5	47.9	43.5

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

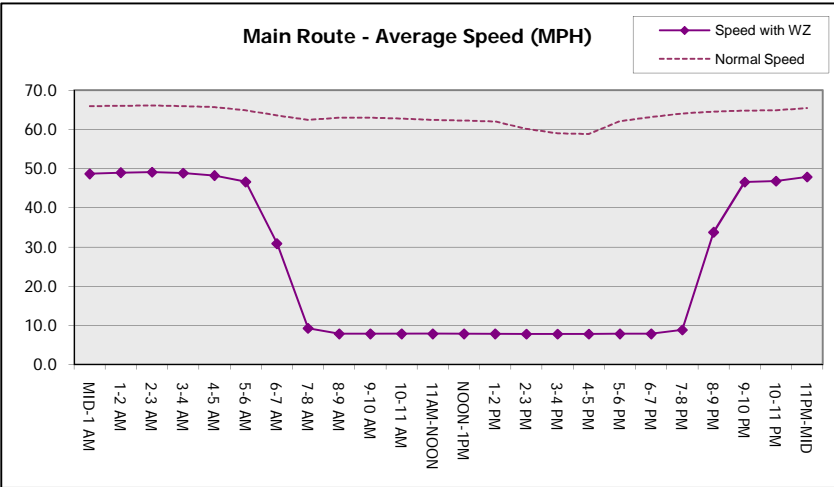
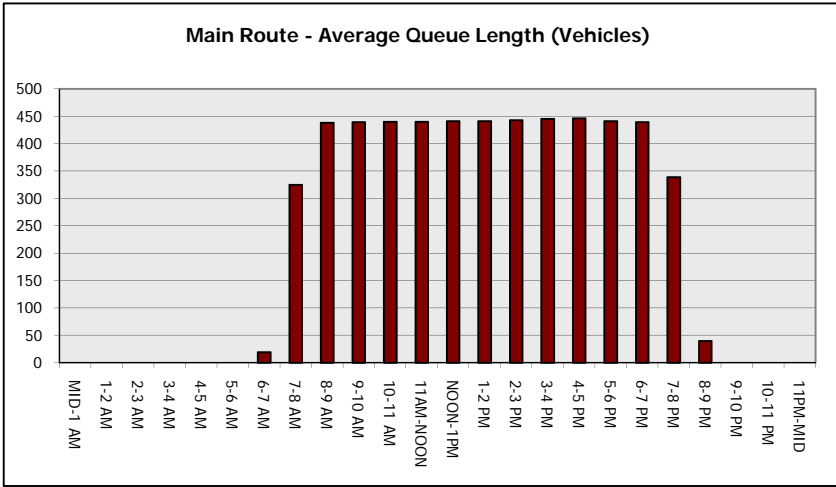
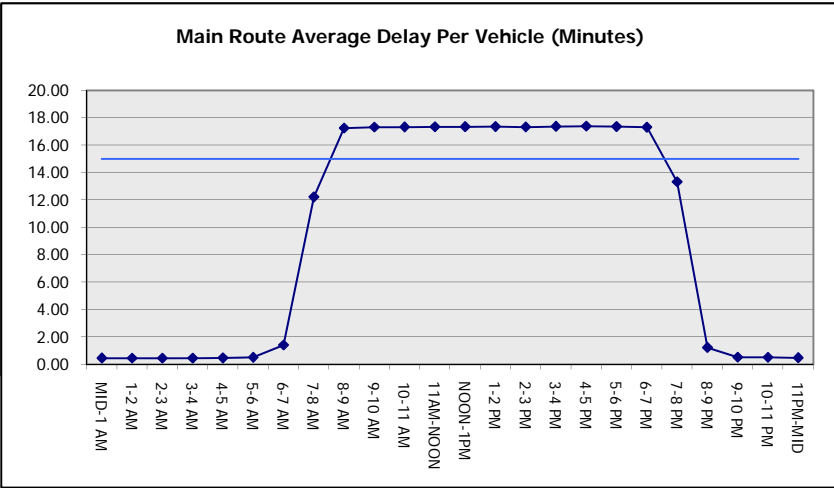
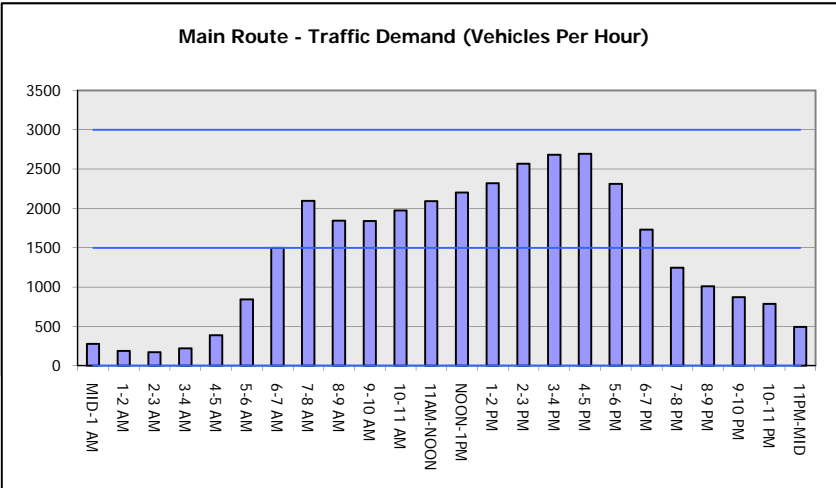
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0076
MAIN ROUTE WITH WORKS	0.0041
'DIVERSION'	0.0041
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$106,714
CONGESTED HOURS PER DAY*	13

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
Analyzed for 2009  
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY SOUTHBOUND DIRECTION**



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**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	244	0.0	1500	244	0	0.45	0	66.0	48.8	44.5
1-2 AM	163	0.0	1500	163	0	0.44	0	66.1	49.1	44.8
2-3 AM	163	0.0	1500	163	0	0.44	0	66.1	49.1	44.8
3-4 AM	195	0.0	1500	195	0	0.44	0	66.0	49.0	44.7
4-5 AM	288	0.0	1500	288	0	0.45	0	65.8	48.6	44.3
5-6 AM	755	0.0	1500	755	0	0.50	0	65.0	46.9	42.5
6-7 AM	1363	0.0	1499	1363	0	0.84	0	63.8	39.0	34.2
7-8 AM	1860	0.0	1500	1860	0	6.50	173	62.9	12.9	30.8
8-9 AM	1588	0.0	1499	1583	5	16.16+	409	63.4	8.0	30.8
9-10 AM	1707	0.0	1499	1499	208	17.30+	439	63.2	7.8	30.8
10-11 AM	1927	0.0	1499	1499	428	17.32+	440	62.8	7.8	30.8
11AM-NOON	2069	0.0	1499	1500	569	17.33+	440	62.5	7.8	30.8
NOON-1PM	2194	0.0	1499	1500	694	17.34+	441	62.3	7.8	30.8
1-2 PM	2366	0.0	1499	1500	866	17.35+	442	62.0	7.8	30.8
2-3 PM	2494	0.0	1499	1500	994	17.33+	442	60.9	7.8	30.8
3-4 PM	2657	0.0	1500	1503	1154	17.33+	444	59.3	7.8	30.8
4-5 PM	2733	0.0	1500	1503	1230	17.42+	448	58.5	7.8	30.8
5-6 PM	2704	0.0	1500	1497	1207	17.40+	447	58.8	7.8	30.8
6-7 PM	2349	0.0	1500	1499	850	17.35+	442	62.0	7.8	30.8
7-8 PM	1867	0.0	1500	1499	368	17.31+	440	62.9	7.8	30.8
8-9 PM	1439	0.0	1499	1418	21	16.59+	420	63.7	7.9	30.8
9-10 PM	1077	0.0	1499	1077	0	4.63	175	64.4	17.0	36.1
10-11 PM	766	0.0	1500	766	0	0.50	0	65.0	46.9	42.5
11PM-MID	595	0.0	1500	595	0	0.48	0	65.3	47.5	43.2

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0079
MAIN ROUTE WITH WORKS	0.0042
'DIVERSION'	0.0044

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$114,953
CONGESTED HOURS PER DAY*	13

\*Delays Exceeding User-Specified Maximum

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