

<b>USH 41: USH 10 TO STH 114 (WINNEBAGO COUNTY)</b> <b>OFF-PEAK DAY 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	349	0.0	OFF	349	0	0.00	0	70.2	70.2	70.2
1-2 AM	241	0.0	OFF	241	0	0.00	0	70.2	70.2	70.2
2-3 AM	282	0.0	OFF	282	0	0.00	0	70.2	70.2	70.2
3-4 AM	323	0.0	OFF	323	0	0.00	0	70.2	70.2	70.2
4-5 AM	508	0.0	OFF	508	0	0.00	0	70.1	70.1	70.1
5-6 AM	1125	0.0	OFF	1125	0	0.00	0	69.3	69.3	69.3
6-7 AM	2382	0.0	OFF	2382	0	0.00	0	67.8	67.8	67.8
7-8 AM	3404	0.0	OFF	3404	0	0.00	0	66.5	66.5	66.5
8-9 AM	2901	0.0	OFF	2901	0	0.00	0	67.1	67.1	67.1
9-10 AM	2366	0.0	OFF	2366	0	0.00	0	67.8	67.8	67.8
10-11 AM	2448	0.0	3000	2448	0	0.37	0	67.7	59.7	48.1
11AM-NOON	2609	0.0	3000	2609	0	0.47	0	67.5	57.6	44.3
NOON-1PM	2850	0.0	2999	2850	0	0.63	0	67.2	54.7	39.7
1-2 PM	3164	0.0	2999	3164	0	1.70	60	66.8	41.5	37.3
2-3 PM	3540	0.0	3000	3540	0	7.60	412	66.3	18.1	37.3
3-4 PM	3857	0.0	OFF	3857	0	1.39	115	64.5	43.5	43.5
4-5 PM	4177	0.0	OFF	4177	0	0.00	0	62.3	62.3	62.3
5-6 PM	3795	0.0	OFF	3795	0	0.00	0	65.0	65.0	65.0
6-7 PM	2622	0.0	OFF	2622	0	0.00	0	67.5	67.5	67.5
7-8 PM	1790	0.0	OFF	1790	0	0.00	0	68.5	68.5	68.5
8-9 PM	1481	0.0	OFF	1481	0	0.00	0	68.9	68.9	68.9
9-10 PM	1460	0.0	OFF	1460	0	0.00	0	68.9	68.9	68.9
10-11 PM	1176	0.0	OFF	1176	0	0.00	0	69.2	69.2	69.2
11PM-MID	734	0.0	OFF	734	0	0.00	0	69.8	69.8	69.8

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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

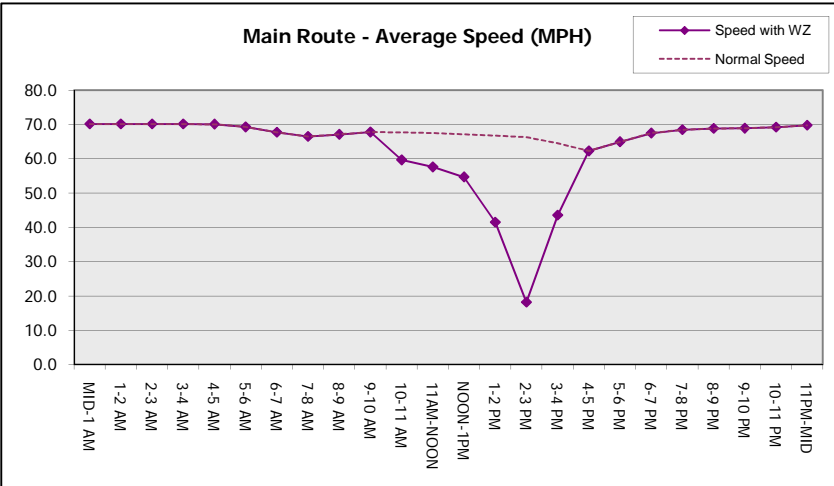
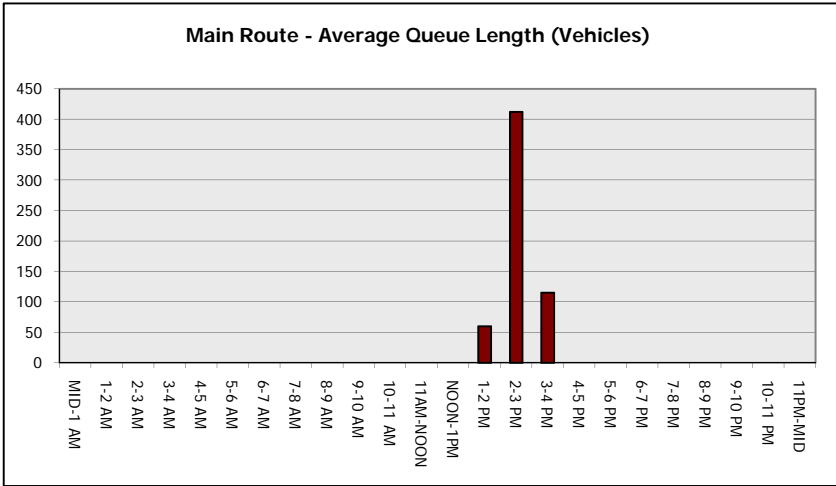
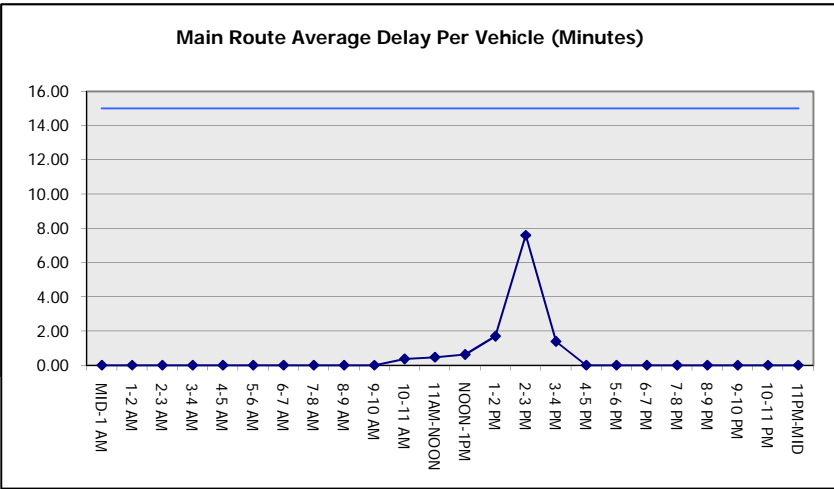
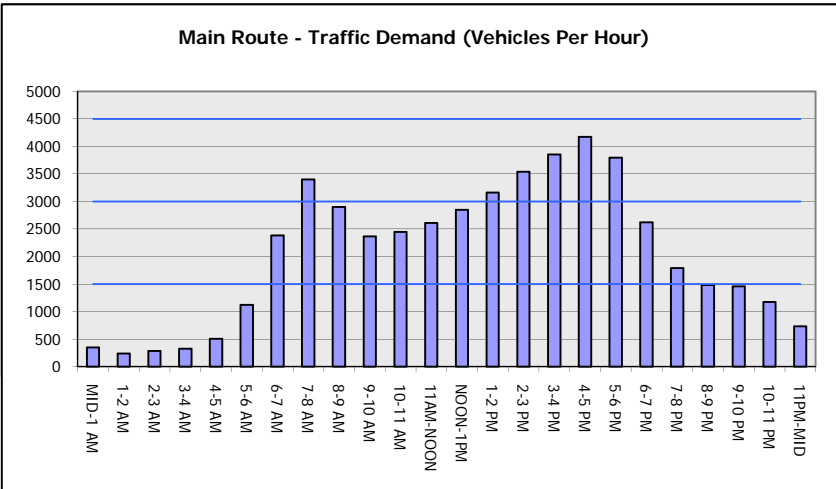
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0245
MAIN ROUTE WITH WORKS	0.0235
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$7,359
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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OFF-PEAK DAY CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
Analyzed for 2009  
Construction Season

**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	376	0.0	OFF	376	0	0.00	0	70.2	70.2	70.2
1-2 AM	301	0.0	OFF	301	0	0.00	0	70.2	70.2	70.2
2-3 AM	259	0.0	OFF	259	0	0.00	0	70.2	70.2	70.2
3-4 AM	243	0.0	OFF	243	0	0.00	0	70.2	70.2	70.2
4-5 AM	446	0.0	OFF	446	0	0.00	0	70.2	70.2	70.2
5-6 AM	1203	0.0	OFF	1203	0	0.00	0	69.2	69.2	69.2
6-7 AM	2269	0.0	OFF	2269	0	0.00	0	67.9	67.9	67.9
7-8 AM	3696	0.0	OFF	3696	0	0.00	0	65.6	65.6	65.6
8-9 AM	2718	0.0	OFF	2718	0	0.00	0	67.4	67.4	67.4
9-10 AM	2601	0.0	OFF	2601	0	0.00	0	67.5	67.5	67.5
10-11 AM	2819	0.0	3000	2819	0	0.61	0	67.3	55.1	40.2
11AM-NOON	2954	0.0	2999	2954	0	0.70	0	67.1	53.6	37.9
NOON-1PM	3175	0.0	2999	3175	0	1.97	75	66.8	39.1	37.3
1-2 PM	3323	0.0	3000	3323	0	6.26	320	66.6	20.6	37.3
2-3 PM	3688	0.0	3000	3312	377	14.08+	748	65.6	12.5	37.3
3-4 PM	4160	0.0	OFF	4160	0	2.07	178	62.4	36.8	36.8
4-5 PM	4443	0.0	OFF	4443	0	0.00	0	60.5	60.5	60.5
5-6 PM	4251	0.0	OFF	4251	0	0.00	0	61.8	61.8	61.8
6-7 PM	3328	0.0	OFF	3328	0	0.00	0	66.6	66.6	66.6
7-8 PM	2649	0.0	OFF	2649	0	0.00	0	67.4	67.4	67.4
8-9 PM	2059	0.0	OFF	2059	0	0.00	0	68.2	68.2	68.2
9-10 PM	1515	0.0	OFF	1515	0	0.00	0	68.9	68.9	68.9
10-11 PM	1162	0.0	OFF	1162	0	0.00	0	69.3	69.3	69.3
11PM-MID	928	0.0	OFF	928	0	0.00	0	69.6	69.6	69.6

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0269
MAIN ROUTE WITH WORKS	0.0257
'DIVERSION'	0.0004

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$16,176
CONGESTED HOURS PER DAY*	1

\*Delays Exceeding User-Specified Maximum

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**FRIDAY NORTHBOUND DIRECTION**

