

USH 41: USH 10 TO STH 114 (WINNEBAGO COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	1499	1959	489	12.41+	314	67.7	12.3	30.8
11AM-NOON	2609	0.0	1500	1500	1109	16.32+	400	67.5	9.7	30.8
NOON-1PM	2850	0.0	1500	1500	1350	16.31+	400	67.2	9.7	30.8
1-2 PM	3164	0.0	1500	1500	1664	16.29+	399	66.8	9.7	30.8
2-3 PM	3540	0.0	1500	1500	2040	16.27+	400	66.3	9.7	30.8
3-4 PM	3857	0.0	OFF	3857	0	0.64	49	64.5	52.8	52.8
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)

+ 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

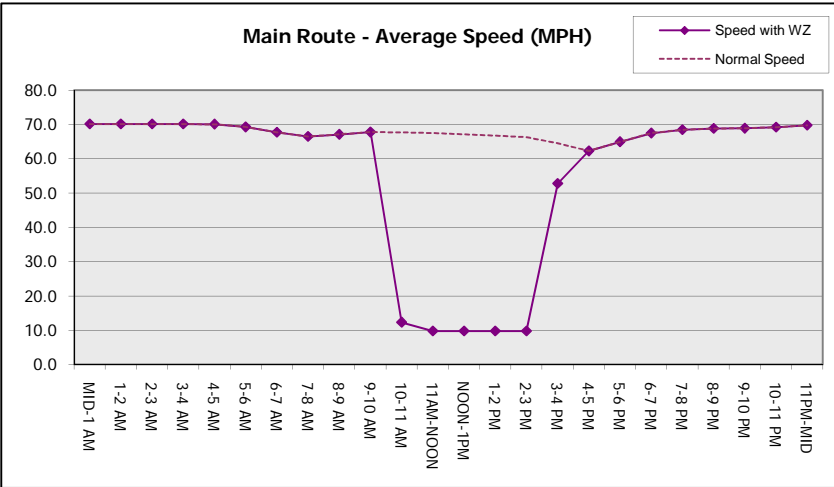
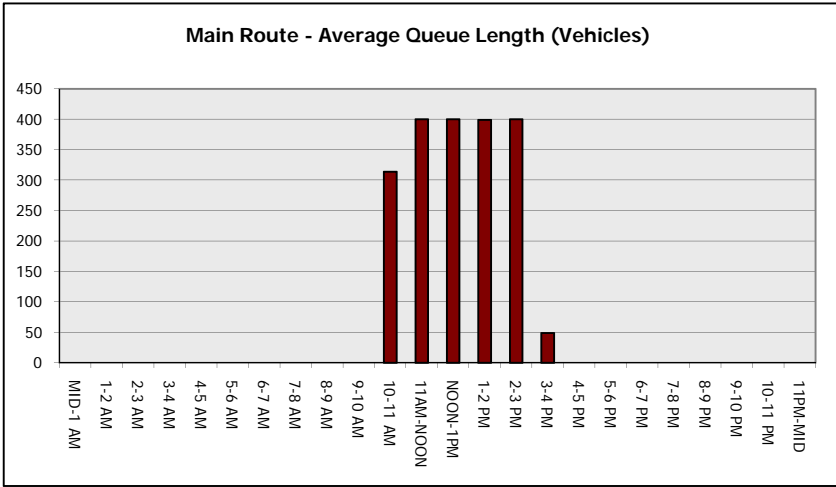
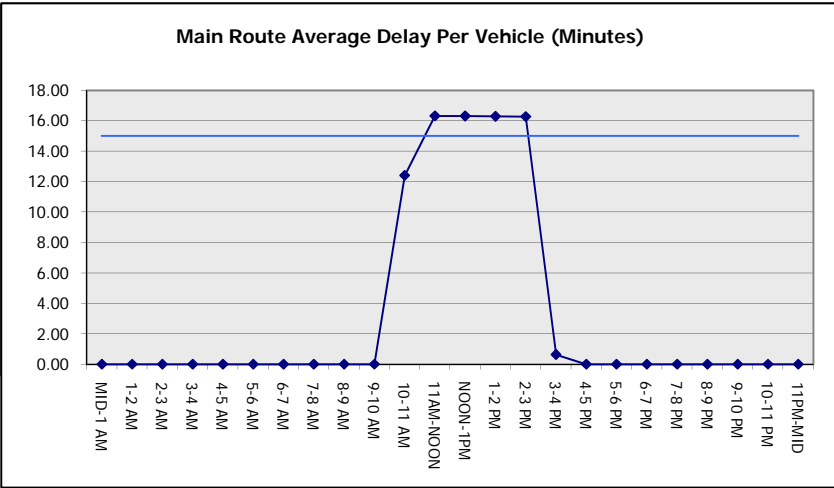
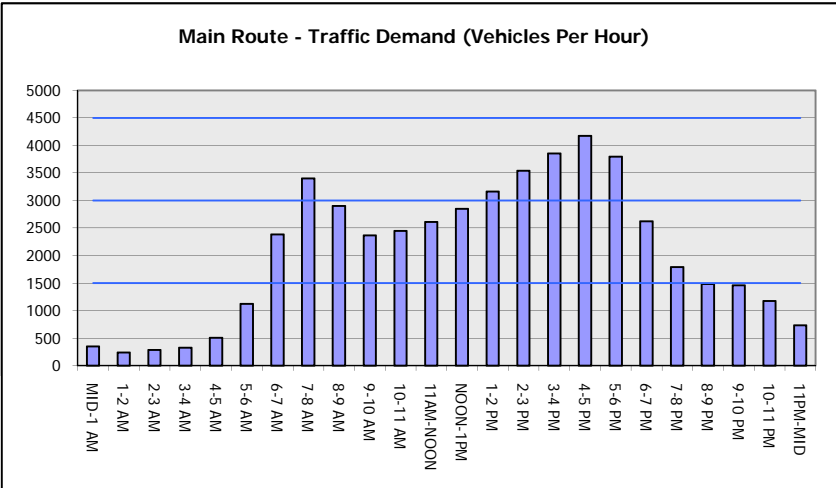
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0245
MAIN ROUTE WITH WORKS	0.0207
'DIVERSION'	0.0076
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$50,865
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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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	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	1499	1765	1053	13.77+	345	67.3	11.2	35.4
11AM-NOON	2954	0.0	1499	1520	1434	16.06+	398	67.1	9.9	33.9
NOON-1PM	3175	0.0	1500	1500	1675	16.11+	400	66.8	9.9	34.2
1-2 PM	3323	0.0	1500	1500	1823	16.10+	400	66.6	9.9	34.2
2-3 PM	3688	0.0	1500	1500	2188	16.06+	400	65.6	9.9	34.2
3-4 PM	4160	0.0	OFF	4160	0	0.32	22	62.4	56.4	56.4
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

----- 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	0.0269
MAIN ROUTE WITH WORKS	0.0224
'DIVERSION'	0.0093

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$55,361
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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