

USH 41: USH 10 TO STH 114 (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	463	0.0	1500	463	0	0.53	0	70.2	58.5	43.7	
1-2 AM	278	0.0	1500	278	0	0.51	0	70.2	58.9	44.4	
2-3 AM	242	0.0	1500	242	0	0.50	0	70.2	59.0	44.5	
3-4 AM	184	0.0	1500	184	0	0.49	0	70.2	59.1	44.8	
4-5 AM	311	0.0	1500	311	0	0.51	0	70.2	58.8	44.2	
5-6 AM	456	0.0	1500	456	0	0.53	0	70.2	58.5	43.7	
6-7 AM	841	0.0	1500	841	0	0.57	0	69.7	57.4	42.2	
7-8 AM	1482	0.0	1499	1482	0	1.48	16	68.9	44.5	32.7	
8-9 AM	2022	0.0	1500	1839	183	10.35+	275	68.2	14.2	30.8	
9-10 AM	2193	0.0	1500	1500	693	16.34+	400	68.0	9.7	30.8	
10-11 AM	2513	0.0	1500	1500	1013	16.33+	400	67.6	9.7	30.8	
11AM-NOON	2532	0.0	1500	1500	1032	16.33+	400	67.6	9.7	30.8	
NOON-1PM	2615	0.0	1500	1500	1115	16.32+	400	67.5	9.7	30.8	
1-2 PM	2542	0.0	1500	1500	1042	16.32+	400	67.6	9.7	30.8	
2-3 PM	2575	0.0	1500	1500	1075	16.32+	400	67.6	9.7	30.8	
3-4 PM	2605	0.0	1500	1500	1105	16.32+	400	67.5	9.7	30.8	
4-5 PM	2344	0.0	1500	1500	844	16.33+	400	67.8	9.7	30.8	
5-6 PM	2223	0.0	1500	1500	723	16.34+	400	68.0	9.7	30.8	
6-7 PM	1831	0.0	1500	1500	331	16.36+	400	68.4	9.7	30.8	
7-8 PM	1512	0.0	1500	1484	29	16.30+	397	68.9	9.8	30.8	
8-9 PM	1470	0.0	1500	1470	0	15.51+	377	68.9	10.2	30.8	
9-10 PM	1361	0.0	1499	1361	0	12.39	299	69.1	12.3	30.8	
10-11 PM	1100	0.0	1499	1100	0	2.32	74	69.4	37.1	37.6	
11PM-MID	662	0.0	1500	662	0	0.55	0	69.9	57.9	42.9	

+ 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

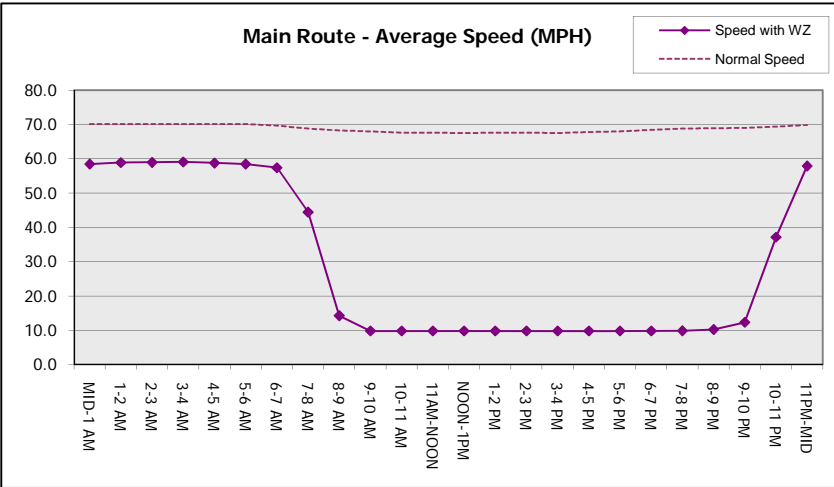
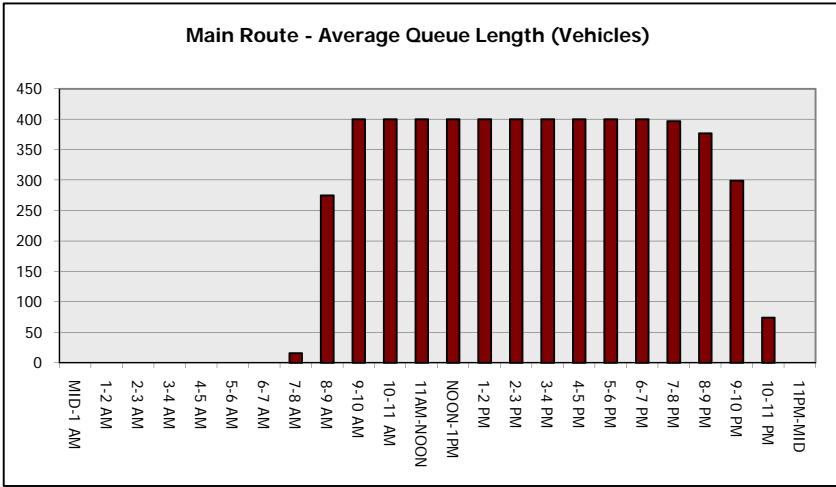
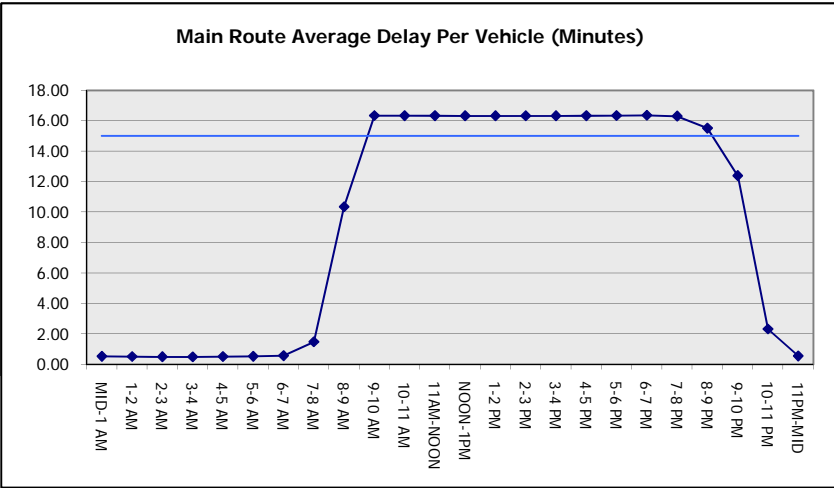
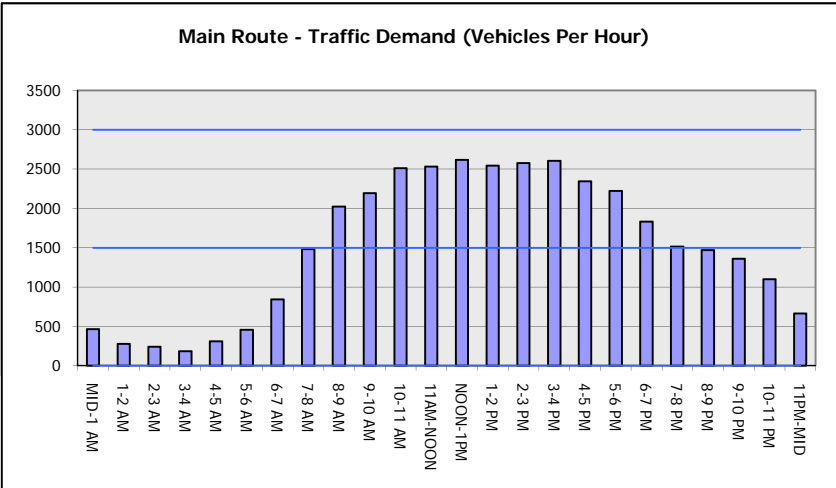
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0179
MAIN ROUTE WITH WORKS	0.0116
'DIVERSION'	0.0105
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$134,323
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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CONTINUOUS (24 HOUR) 2 LANE CLOSURE
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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	511	0.0	1500	511	0	0.53	0	70.1	58.4	43.5
1-2 AM	346	0.0	1500	346	0	0.51	0	70.2	58.7	44.1
2-3 AM	279	0.0	1500	279	0	0.51	0	70.2	58.9	44.3
3-4 AM	204	0.0	1500	204	0	0.50	0	70.2	59.1	44.6
4-5 AM	241	0.0	1500	241	0	0.50	0	70.2	59.0	44.5
5-6 AM	518	0.0	1500	518	0	0.53	0	70.1	58.3	43.4
6-7 AM	839	0.0	1500	839	0	0.57	0	69.7	57.4	42.2
7-8 AM	1464	0.0	1499	1464	0	1.39	12	68.9	45.5	32.9
8-9 AM	1959	0.0	1500	1936	23	9.10+	249	68.3	15.7	30.8
9-10 AM	2347	0.0	1500	1455	892	16.15+	396	67.8	9.8	31.2
10-11 AM	2754	0.0	1500	1500	1254	16.31+	400	67.3	9.7	30.8
11AM-NOON	3052	0.0	1500	1500	1552	16.30+	400	66.9	9.7	30.8
NOON-1PM	3082	0.0	1500	1500	1582	16.30+	400	66.9	9.7	30.8
1-2 PM	2950	0.0	1500	1500	1450	16.30+	400	67.1	9.7	30.8
2-3 PM	2973	0.0	1500	1500	1473	16.30+	400	67.1	9.7	30.8
3-4 PM	2823	0.0	1500	1500	1323	16.31+	400	67.3	9.7	30.8
4-5 PM	2895	0.0	1500	1500	1395	16.31+	400	67.1	9.7	30.8
5-6 PM	2548	0.0	1500	1500	1048	16.32+	400	67.6	9.7	30.8
6-7 PM	2090	0.0	1500	1500	590	16.35+	400	68.1	9.7	30.8
7-8 PM	1634	0.0	1499	1461	173	16.21+	395	68.7	9.8	30.8
8-9 PM	1357	0.0	1499	1357	0	14.11+	344	69.1	11.1	30.8
9-10 PM	1239	0.0	1498	1238	0	5.45	140	69.2	22.9	32.8
10-11 PM	1031	0.0	1500	1031	0	0.59	0	69.4	56.9	41.5
11PM-MID	703	0.0	1500	703	0	0.55	0	69.9	57.8	42.7

+ 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	0.0197
MAIN ROUTE WITH WORKS	0.0116
'DIVERSION'	0.0146

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$145,405
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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