

USH 41: USH 10 TO STH 114 (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	471	0.0	1500	471	0	1.95	93	70.2	40.4	43.1
1-2 AM	326	0.0	1500	326	0	0.51	0	70.2	58.8	44.2
2-3 AM	271	0.0	1500	271	0	0.51	0	70.2	58.9	44.4
3-4 AM	206	0.0	1500	206	0	0.50	0	70.2	59.1	44.6
4-5 AM	336	0.0	1500	336	0	0.51	0	70.2	58.8	44.2
5-6 AM	503	0.0	1500	503	0	0.53	0	70.1	58.4	43.5
6-7 AM	910	0.0	1499	910	0	0.58	0	69.6	57.3	42.0
7-8 AM	1448	0.0	1499	1448	0	1.34	12	68.9	46.0	33.2
8-9 AM	2101	0.0	1500	1828	273	10.20+	274	68.1	14.4	30.8
9-10 AM	2478	0.0	1499	1500	978	16.33+	399	67.6	9.7	30.8
10-11 AM	2813	0.0	1500	1500	1313	16.31+	400	67.3	9.7	30.8
11AM-NOON	2956	0.0	1500	1500	1456	16.30+	400	67.1	9.7	30.8
NOON-1PM	2869	0.0	1500	1500	1369	16.31+	400	67.2	9.7	30.8
1-2 PM	2847	0.0	1500	1500	1347	16.31+	400	67.2	9.7	30.8
2-3 PM	2794	0.0	1500	1500	1294	16.31+	400	67.3	9.7	30.8
3-4 PM	2606	0.0	1500	1500	1106	16.32+	400	67.5	9.7	30.8
4-5 PM	2518	0.0	1500	1500	1018	16.33+	400	67.6	9.7	30.8
5-6 PM	2235	0.0	1500	1500	735	16.34+	400	67.9	9.7	30.8
6-7 PM	1852	0.0	1500	1500	352	16.36+	400	68.4	9.7	30.8
7-8 PM	1598	0.0	1500	1522	76	16.27+	397	68.7	9.8	30.8
8-9 PM	1496	0.0	1500	1496	0	16.27+	397	68.9	9.8	30.8
9-10 PM	1575	0.0	1499	1500	75	16.37+	399	68.8	9.7	30.8
10-11 PM	1743	0.0	1500	1500	243	16.36+	400	68.6	9.7	30.8
11PM-MID	1888	0.0	1500	1500	388	16.36+	400	68.4	9.7	30.8

+ 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

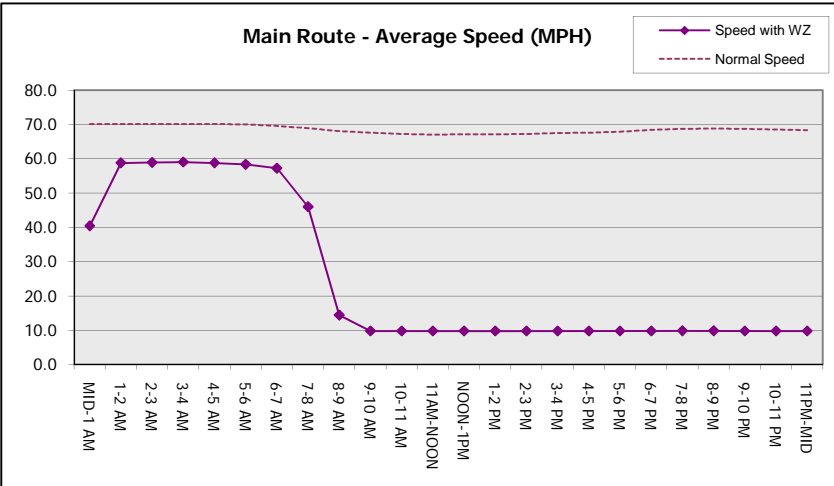
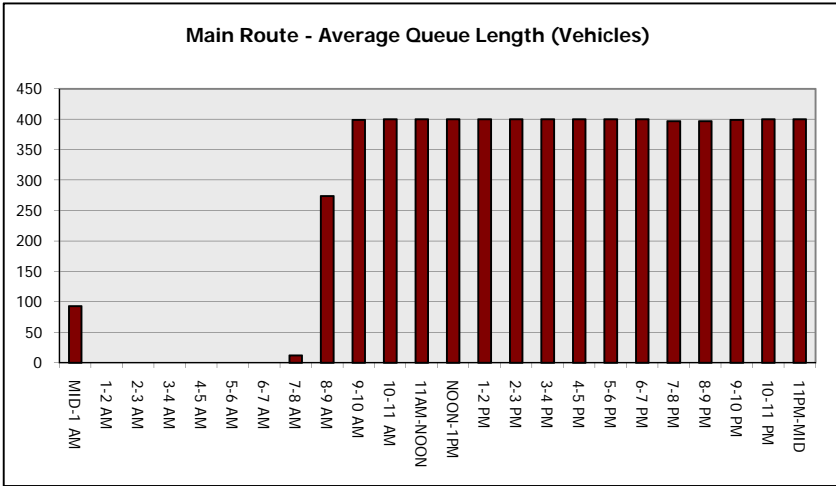
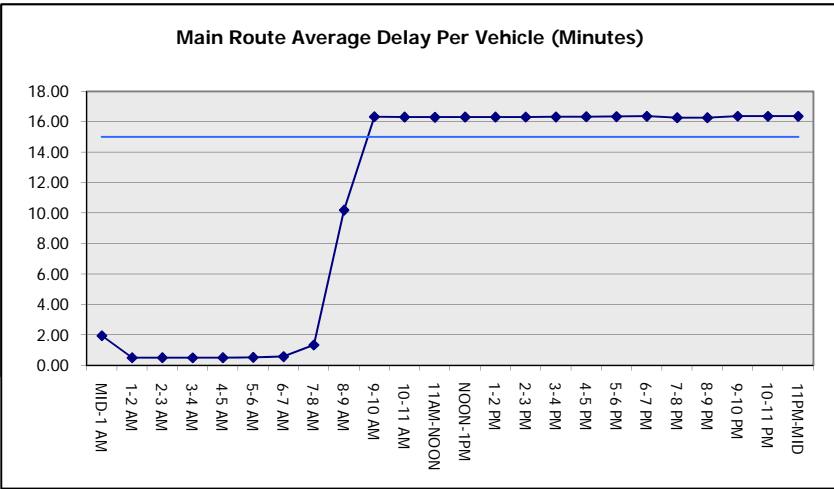
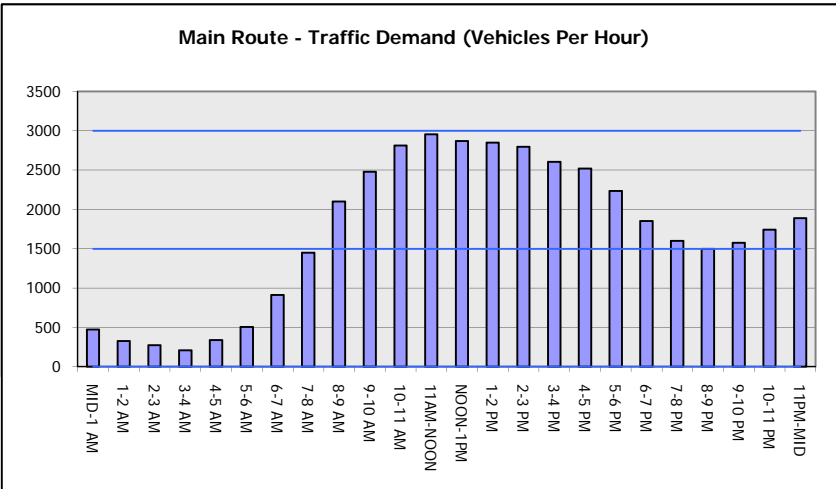
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0202
MAIN ROUTE WITH WORKS	0.0123
'DIVERSION'	0.0137
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$161,432
CONGESTED HOURS PER DAY*	16

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



USH 41: USH 10 TO STH 114 (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	580	0.0	1500	580	0	0.54	0	70.0	58.1	43.2	
1-2 AM	378	0.0	1500	378	0	0.52	0	70.2	58.7	44.0	
2-3 AM	274	0.0	1500	274	0	0.51	0	70.2	58.9	44.4	
3-4 AM	223	0.0	1500	223	0	0.50	0	70.2	59.1	44.6	
4-5 AM	292	0.0	1500	292	0	0.51	0	70.2	58.9	44.3	
5-6 AM	491	0.0	1500	491	0	0.53	0	70.1	58.4	43.5	
6-7 AM	763	0.0	1500	763	0	0.56	0	69.8	57.6	42.5	
7-8 AM	1160	0.0	1499	1160	0	0.69	0	69.3	55.1	38.9	
8-9 AM	1658	0.0	1499	1658	0	2.49	47	68.7	35.8	30.8	
9-10 AM	2175	0.0	1500	1761	414	13.74+	344	68.0	11.3	30.8	
10-11 AM	2877	0.0	1500	1500	1377	16.31+	400	67.1	9.7	30.8	
11AM-NOON	3216	0.0	1500	1500	1716	16.29+	400	66.8	9.7	30.8	
NOON-1PM	3453	0.0	1500	1500	1953	16.28+	400	66.4	9.7	30.8	
1-2 PM	3562	0.0	1500	1500	2062	16.27+	400	66.3	9.7	30.8	
2-3 PM	3616	0.0	1500	1500	2116	16.27+	400	66.1	9.7	30.8	
3-4 PM	3494	0.0	1500	1500	1994	16.28+	400	66.4	9.7	30.8	
4-5 PM	3312	0.0	1500	1500	1812	16.29+	400	66.6	9.7	30.8	
5-6 PM	3051	0.0	1500	1500	1551	16.30+	400	66.9	9.7	30.8	
6-7 PM	2240	0.0	1500	1500	740	16.34+	400	67.9	9.7	30.8	
7-8 PM	1627	0.0	1500	1466	161	16.22+	396	68.7	9.8	30.8	
8-9 PM	1438	0.0	1499	1438	0	15.11+	367	68.9	10.4	30.8	
9-10 PM	1231	0.0	1499	1231	0	7.83	198	69.2	17.7	32.2	
10-11 PM	1149	0.0	1500	1149	0	0.81	5	69.3	53.2	39.6	
11PM-MID	784	0.0	1500	784	0	0.56	0	69.7	57.6	42.5	

+ 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	0.0212
MAIN ROUTE WITH WORKS	0.0116
'DIVERSION'	0.0182

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$155,923
CONGESTED HOURS PER DAY*	12

*Delays Exceeding User-Specified Maximum

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