

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

SUNDAY 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	447	0.0	OFF	447	0	0.00	0	70.2	70.2	70.2	
1-2 AM	283	0.0	OFF	283	0	0.00	0	70.2	70.2	70.2	
2-3 AM	298	0.0	OFF	298	0	0.00	0	70.2	70.2	70.2	
3-4 AM	210	0.0	OFF	210	0	0.00	0	70.2	70.2	70.2	
4-5 AM	190	0.0	OFF	190	0	0.00	0	70.2	70.2	70.2	
5-6 AM	268	0.0	OFF	268	0	0.00	0	70.2	70.2	70.2	
6-7 AM	480	0.0	OFF	480	0	0.00	0	70.1	70.1	70.1	
7-8 AM	671	0.0	OFF	671	0	0.00	0	69.9	69.9	69.9	
8-9 AM	1152	0.0	OFF	1152	0	0.00	0	69.3	69.3	69.3	
9-10 AM	1816	0.0	1499	1816	0	4.53	119	68.5	25.6	30.8	
10-11 AM	2371	0.0	1499	1506	864	16.26+	399	67.8	9.8	31.5	
11AM-NOON	2646	0.0	1500	1500	1146	16.27+	400	67.4	9.7	31.6	
NOON-1PM	3024	0.0	1500	1500	1524	16.25+	400	67.0	9.7	31.6	
1-2 PM	2983	0.0	1500	1500	1483	16.25+	400	67.0	9.7	31.6	
2-3 PM	2982	0.0	1500	1500	1482	16.25+	400	67.0	9.7	31.6	
3-4 PM	3045	0.0	1500	1500	1545	16.25+	400	66.9	9.7	31.6	
4-5 PM	3125	0.0	1500	1500	1625	16.24+	400	66.8	9.7	31.6	
5-6 PM	2792	0.0	1500	1500	1292	16.26+	400	67.3	9.7	31.6	
6-7 PM	2219	0.0	1500	1525	694	16.21+	397	68.0	9.8	31.2	
7-8 PM	1856	0.0	OFF	1856	0	0.16	14	68.4	64.5	64.5	
8-9 PM	1359	0.0	OFF	1359	0	0.00	0	69.1	69.1	69.1	
9-10 PM	1037	0.0	OFF	1037	0	0.00	0	69.4	69.4	69.4	
10-11 PM	726	0.0	OFF	726	0	0.00	0	69.8	69.8	69.8	
11PM-MID	400	0.0	OFF	400	0	0.00	0	70.2	70.2	70.2	

"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	0.0180
MAIN ROUTE WITH WORKS	0.0112
'DIVERSION'	0.0133
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$115,928
CONGESTED HOURS PER DAY*	9

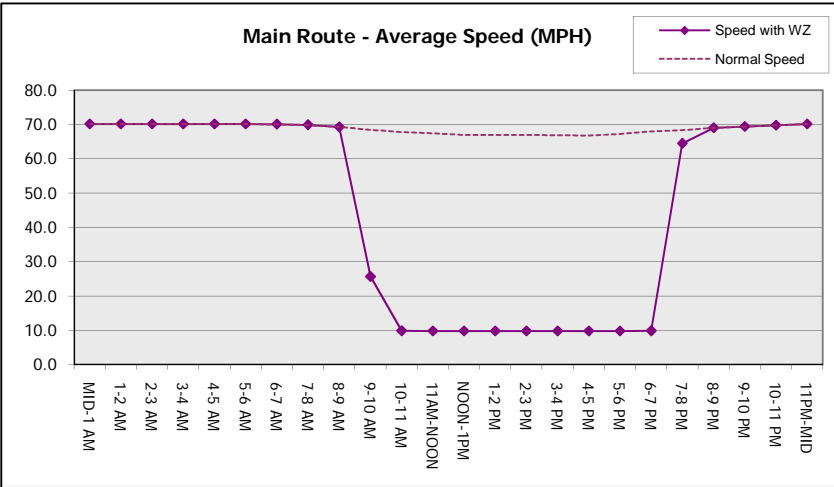
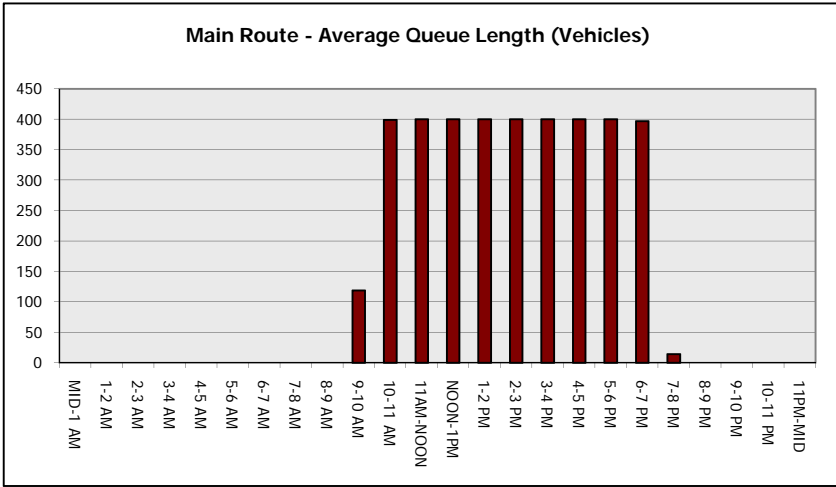
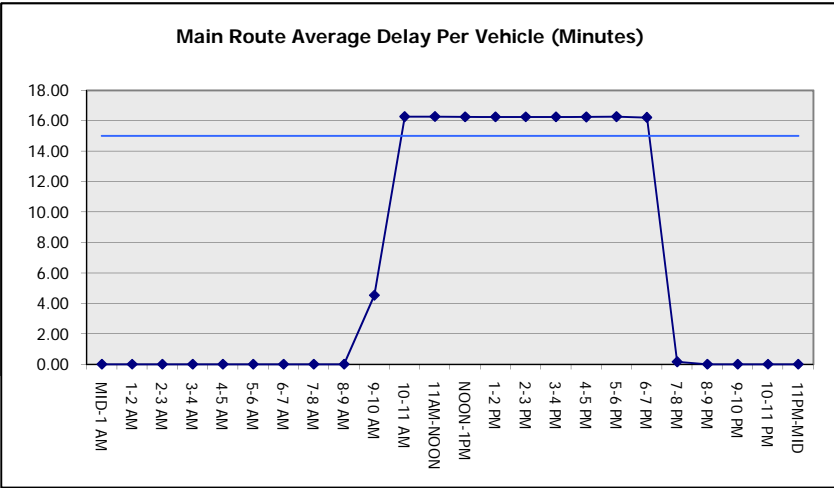
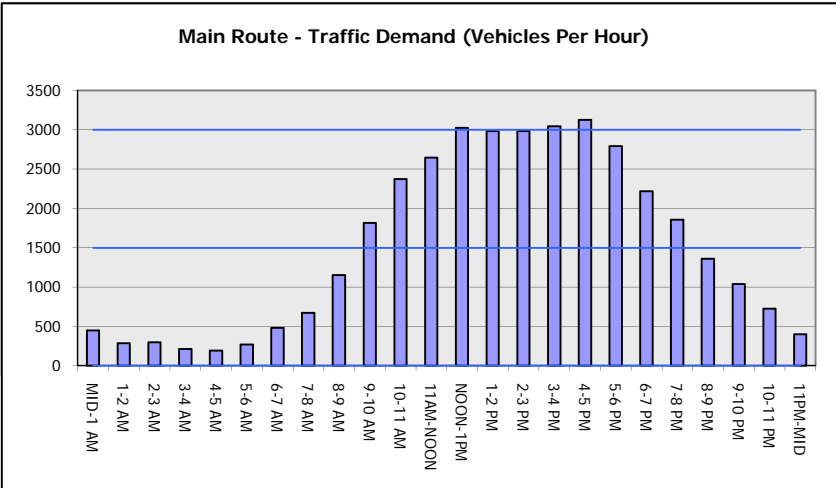
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY SOUTHBOUND DIRECTION



USH 41: USH 10 TO STH 114 (WINNEBAGO COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	410	0.0	OFF	410	0	0.00	0	70.2	70.2	70.2
1-2 AM	253	0.0	OFF	253	0	0.00	0	70.2	70.2	70.2
2-3 AM	219	0.0	OFF	219	0	0.00	0	70.2	70.2	70.2
3-4 AM	126	0.0	OFF	126	0	0.00	0	70.2	70.2	70.2
4-5 AM	139	0.0	OFF	139	0	0.00	0	70.2	70.2	70.2
5-6 AM	346	0.0	OFF	346	0	0.00	0	70.2	70.2	70.2
6-7 AM	397	0.0	OFF	397	0	0.00	0	70.2	70.2	70.2
7-8 AM	708	0.0	OFF	708	0	0.00	0	69.9	69.9	69.9
8-9 AM	1026	0.0	OFF	1026	0	0.00	0	69.4	69.4	69.4
9-10 AM	1527	0.0	1499	1527	0	1.65	20	68.8	42.7	32.0
10-11 AM	2146	0.0	1500	1762	385	11.75+	307	68.1	12.9	30.8
11AM-NOON	2510	0.0	1500	1500	1010	16.33+	400	67.6	9.7	30.8
NOON-1PM	2644	0.0	1500	1500	1144	16.32+	400	67.4	9.7	30.8
1-2 PM	2519	0.0	1500	1500	1019	16.33+	400	67.6	9.7	30.8
2-3 PM	2411	0.0	1499	1500	911	16.33+	400	67.8	9.7	30.8
3-4 PM	2621	0.0	1500	1500	1121	16.32+	400	67.5	9.7	30.8
4-5 PM	2510	0.0	1499	1500	1010	16.33+	400	67.6	9.7	30.8
5-6 PM	2477	0.0	1499	1500	977	16.33+	400	67.6	9.7	30.8
6-7 PM	2247	0.0	1500	1500	747	16.34+	400	67.9	9.7	30.8
7-8 PM	1823	0.0	OFF	1823	0	0.16	14	68.5	64.6	64.6
8-9 PM	1456	0.0	OFF	1456	0	0.00	0	68.9	68.9	68.9
9-10 PM	1154	0.0	OFF	1154	0	0.00	0	69.3	69.3	69.3
10-11 PM	776	0.0	OFF	776	0	0.00	0	69.7	69.7	69.7
11PM-MID	451	0.0	OFF	451	0	0.00	0	70.2	70.2	70.2

"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	0.0162
MAIN ROUTE WITH WORKS	0.0111
'DIVERSION'	0.0095

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$98,115
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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SUNDAY NORTHBOUND DIRECTION

