

USH 41: USH 10 TO STH 114 (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	301	0.0	3000	301	0	0.36	0	70.2	61.8	49.7	
1-2 AM	215	0.0	3000	215	0	0.36	0	70.2	61.8	49.7	
2-3 AM	221	0.0	3000	221	0	0.36	0	70.2	61.8	49.7	
3-4 AM	259	0.0	3000	259	0	0.36	0	70.2	61.8	49.7	
4-5 AM	509	0.0	3000	509	0	0.36	0	70.1	61.7	49.7	
5-6 AM	1218	0.0	3000	1218	0	0.35	0	69.2	61.3	49.7	
6-7 AM	2494	0.0	2999	2494	0	0.45	0	67.6	58.1	45.3	
7-8 AM	3513	0.0	2999	3513	0	4.47	246	66.4	25.6	37.3	
8-9 AM	2831	0.0	2999	2831	0	9.15	467	67.2	15.6	37.3	
9-10 AM	2280	0.0	2999	2280	0	1.41	91	67.9	44.8	46.6	
10-11 AM	2230	0.0	3000	2230	0	0.33	0	67.9	60.6	49.7	
11AM-NOON	2314	0.0	3000	2314	0	0.33	0	67.9	60.5	49.7	
NOON-1PM	2415	0.0	3000	2415	0	0.35	0	67.8	60.1	48.9	
1-2 PM	2682	0.0	2999	2682	0	0.52	0	67.4	56.7	42.8	
2-3 PM	2976	0.0	2999	2976	0	0.81	6	67.0	51.9	38.0	
3-4 PM	3287	0.0	3000	3287	0	3.04	143	66.6	31.9	37.3	
4-5 PM	3786	0.0	3000	3510	276	12.18+	663	65.0	13.5	37.3	
5-6 PM	3470	0.0	3000	3007	463	16.11+	849	66.4	11.7	37.3	
6-7 PM	2155	0.0	2999	2155	0	7.09+	467	68.1	19.7	43.2	
7-8 PM	1574	0.0	3000	1574	0	0.34	0	68.8	61.0	49.7	
8-9 PM	1418	0.0	3000	1418	0	0.34	0	69.0	61.2	49.7	
9-10 PM	1216	0.0	3000	1216	0	0.35	0	69.2	61.3	49.7	
10-11 PM	930	0.0	3000	930	0	0.35	0	69.6	61.5	49.7	
11PM-MID	510	0.0	3000	510	0	0.36	0	70.1	61.7	49.7	

+ 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

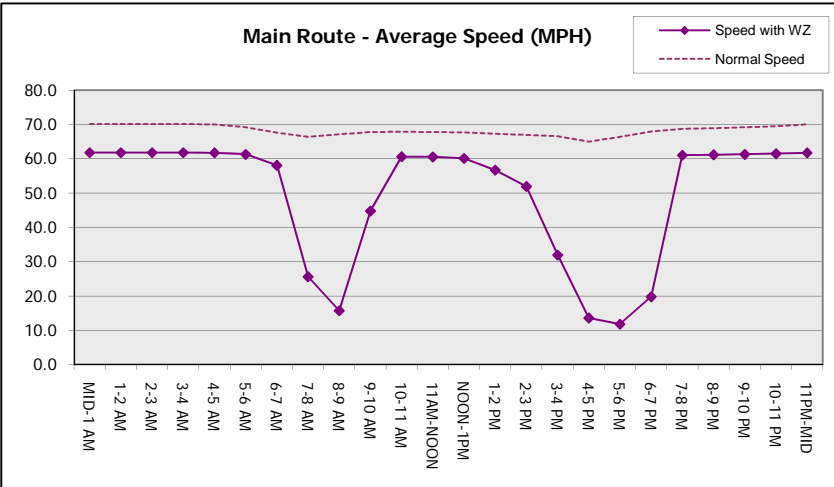
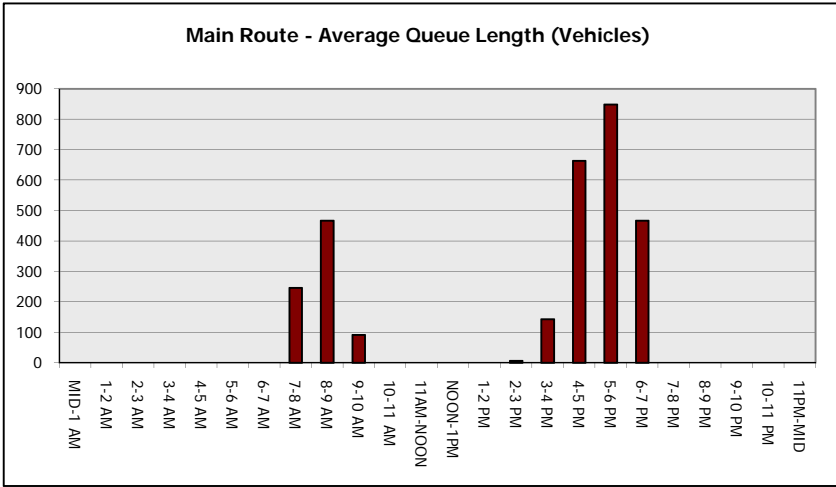
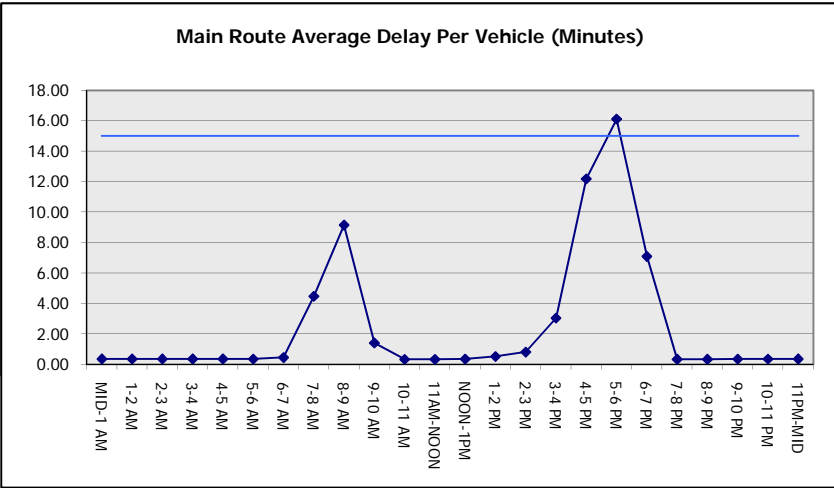
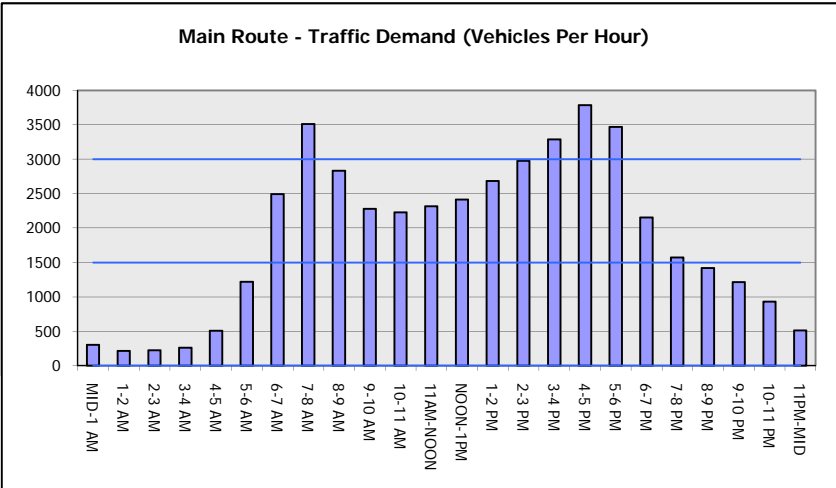
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0221
MAIN ROUTE WITH WORKS	0.0188
'DIVERSION'	0.0008
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$40,294
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



USH 41: USH 10 TO STH 114 (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	292	0.0	3000	292	0	0.36	0	70.2	61.8	49.7
1-2 AM	208	0.0	3000	208	0	0.36	0	70.2	61.8	49.7
2-3 AM	181	0.0	3000	181	0	0.36	0	70.2	61.8	49.7
3-4 AM	219	0.0	3000	219	0	0.36	0	70.2	61.8	49.7
4-5 AM	431	0.0	3000	431	0	0.36	0	70.2	61.8	49.7
5-6 AM	1224	0.0	3000	1224	0	0.35	0	69.2	61.3	49.7
6-7 AM	2290	0.0	2999	2290	0	0.40	0	67.9	59.2	47.1
7-8 AM	3676	0.0	2999	3676	0	5.62	328	65.8	22.1	37.3
8-9 AM	2602	0.0	2999	2602	0	9.86	520	67.5	15.2	37.8
9-10 AM	2286	0.0	3000	2286	0	1.02	56	67.9	49.5	48.1
10-11 AM	2339	0.0	3000	2339	0	0.33	0	67.8	60.5	49.7
11AM-NOON	2463	0.0	3000	2463	0	0.38	0	67.7	59.5	47.7
NOON-1PM	2531	0.0	3000	2531	0	0.42	0	67.6	58.6	46.1
1-2 PM	2574	0.0	2999	2574	0	0.45	0	67.6	58.1	45.1
2-3 PM	2898	0.0	2999	2898	0	0.68	1	67.1	53.8	39.1
3-4 PM	3489	0.0	3000	3489	0	4.03	220	66.4	27.3	37.3
4-5 PM	3851	0.0	3000	3402	450	14.65+	781	64.5	12.2	37.3
5-6 PM	3499	0.0	2999	2977	522	16.10+	848	66.4	11.7	37.3
6-7 PM	2313	0.0	2999	2313	0	10.45+	591	67.9	15.2	40.9
7-8 PM	1534	0.0	3000	1534	0	0.49	12	68.8	58.2	49.7
8-9 PM	1365	0.0	3000	1365	0	0.34	0	69.1	61.2	49.7
9-10 PM	1116	0.0	3000	1116	0	0.35	0	69.4	61.4	49.7
10-11 PM	783	0.0	3000	783	0	0.35	0	69.7	61.6	49.7
11PM-MID	580	0.0	3000	580	0	0.36	0	70.0	61.7	49.7

+ 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	0.0221
MAIN ROUTE WITH WORKS	0.0187
'DIVERSION'	0.0011

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$46,293
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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