

USH 41: USH 10 TO STH 114 (WINNEBAGO COUNTY) NIGHTTIME 2 LANE 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	1500	301	0	0.51	0	70.2	58.9	44.3
1-2 AM	215	0.0	1500	215	0	0.50	0	70.2	59.1	44.6
2-3 AM	221	0.0	1500	221	0	0.50	0	70.2	59.1	44.6
3-4 AM	259	0.0	1500	259	0	0.50	0	70.2	58.9	44.5
4-5 AM	509	0.0	1500	509	0	0.53	0	70.1	58.4	43.5
5-6 AM	1218	0.0	OFF	1218	0	0.00	0	69.2	69.2	69.2
6-7 AM	2494	0.0	OFF	2494	0	0.00	0	67.6	67.6	67.6
7-8 AM	3513	0.0	OFF	3513	0	0.00	0	66.4	66.4	66.4
8-9 AM	2831	0.0	OFF	2831	0	0.00	0	67.2	67.2	67.2
9-10 AM	2280	0.0	OFF	2280	0	0.00	0	67.9	67.9	67.9
10-11 AM	2230	0.0	OFF	2230	0	0.00	0	67.9	67.9	67.9
11AM-NOON	2314	0.0	OFF	2314	0	0.00	0	67.9	67.9	67.9
NOON-1PM	2415	0.0	OFF	2415	0	0.00	0	67.8	67.8	67.8
1-2 PM	2682	0.0	OFF	2682	0	0.00	0	67.4	67.4	67.4
2-3 PM	2976	0.0	OFF	2976	0	0.00	0	67.0	67.0	67.0
3-4 PM	3287	0.0	OFF	3287	0	0.00	0	66.6	66.6	66.6
4-5 PM	3786	0.0	OFF	3786	0	0.00	0	65.0	65.0	65.0
5-6 PM	3470	0.0	OFF	3470	0	0.00	0	66.4	66.4	66.4
6-7 PM	2155	0.0	OFF	2155	0	0.00	0	68.1	68.1	68.1
7-8 PM	1574	0.0	1499	1574	0	3.31	60	68.8	30.9	30.8
8-9 PM	1418	0.0	1499	1418	0	2.57	44	69.0	35.3	31.7
9-10 PM	1216	0.0	1500	1216	0	0.73	0	69.2	54.5	37.9
10-11 PM	930	0.0	1500	930	0	0.58	0	69.6	57.2	41.9
11PM-MID	510	0.0	1500	510	0	0.53	0	70.1	58.4	43.5

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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

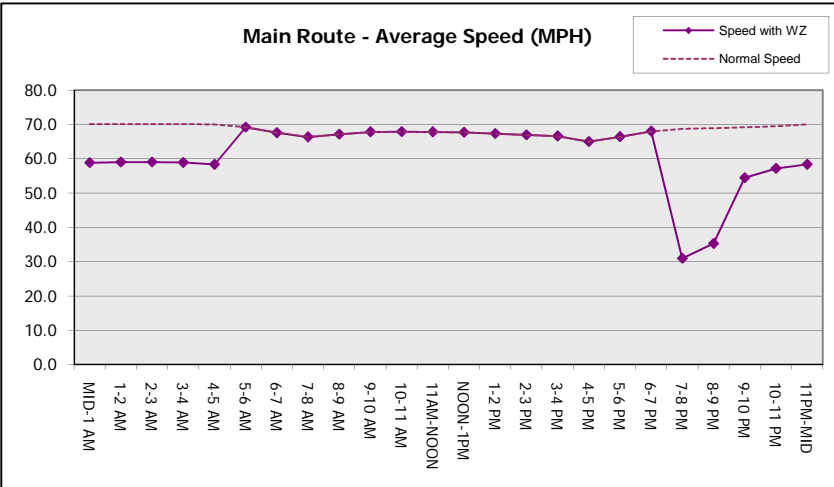
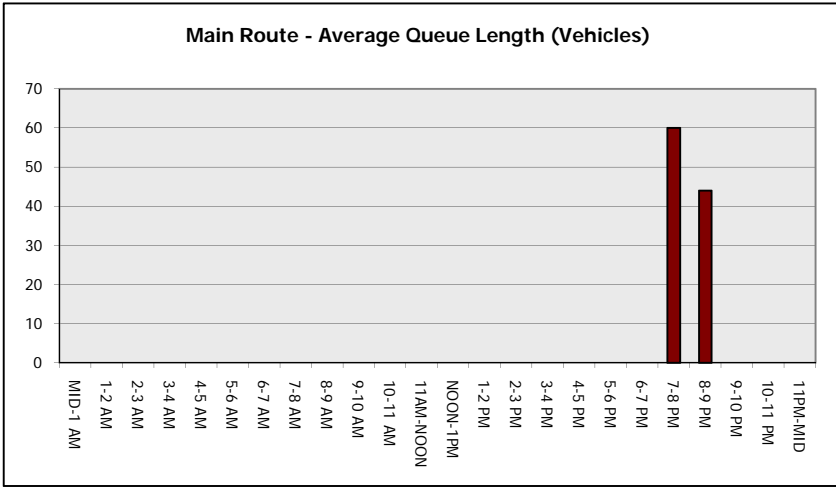
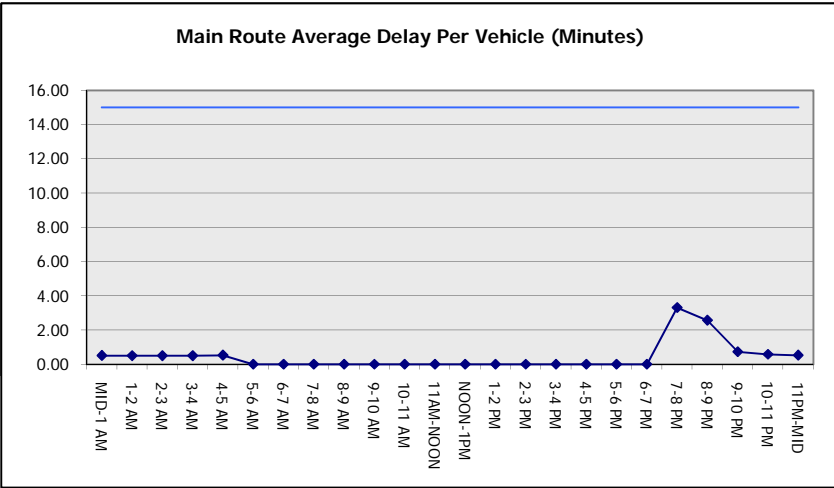
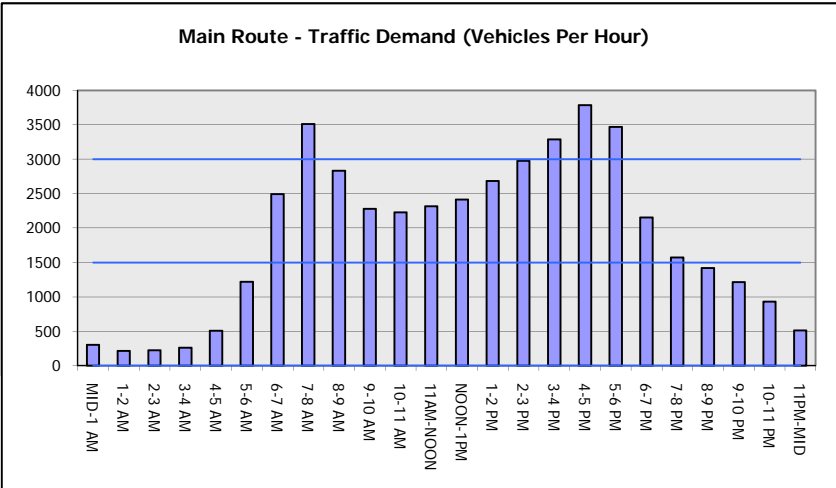
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0221
MAIN ROUTE WITH WORKS	0.0216
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,516
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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



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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	1500	292	0	0.51	0	70.2	58.9	44.3
1-2 AM	208	0.0	1500	208	0	0.50	0	70.2	59.1	44.6
2-3 AM	181	0.0	1500	181	0	0.49	0	70.2	59.1	44.8
3-4 AM	219	0.0	1500	219	0	0.50	0	70.2	59.1	44.6
4-5 AM	431	0.0	1500	431	0	0.53	0	70.2	58.6	43.8
5-6 AM	1224	0.0	OFF	1224	0	0.00	0	69.2	69.2	69.2
6-7 AM	2290	0.0	OFF	2290	0	0.00	0	67.9	67.9	67.9
7-8 AM	3676	0.0	OFF	3676	0	0.00	0	65.8	65.8	65.8
8-9 AM	2602	0.0	OFF	2602	0	0.00	0	67.5	67.5	67.5
9-10 AM	2286	0.0	OFF	2286	0	0.00	0	67.9	67.9	67.9
10-11 AM	2339	0.0	OFF	2339	0	0.00	0	67.8	67.8	67.8
11AM-NOON	2463	0.0	OFF	2463	0	0.00	0	67.7	67.7	67.7
NOON-1PM	2531	0.0	OFF	2531	0	0.00	0	67.6	67.6	67.6
1-2 PM	2574	0.0	OFF	2574	0	0.00	0	67.6	67.6	67.6
2-3 PM	2898	0.0	OFF	2898	0	0.00	0	67.1	67.1	67.1
3-4 PM	3489	0.0	OFF	3489	0	0.00	0	66.4	66.4	66.4
4-5 PM	3851	0.0	OFF	3851	0	0.00	0	64.5	64.5	64.5
5-6 PM	3499	0.0	OFF	3499	0	0.00	0	66.4	66.4	66.4
6-7 PM	2313	0.0	OFF	2313	0	0.00	0	67.9	67.9	67.9
7-8 PM	1534	0.0	1499	1534	0	2.85	46	68.8	33.5	30.9
8-9 PM	1365	0.0	1500	1365	0	1.16	6	69.1	48.2	33.6
9-10 PM	1116	0.0	1500	1116	0	0.60	0	69.4	56.7	41.3
10-11 PM	783	0.0	1500	783	0	0.56	0	69.7	57.6	42.5
11PM-MID	580	0.0	1500	580	0	0.54	0	70.0	58.1	43.2

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0216
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,790
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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