

USH 41: STH 76 TO USH 45 (WINNEBAGO COUNTY) NIGHTTIME 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	236	0.0	1500	236	0	0.45	0	66.0	56.9	44.5
1-2 AM	153	0.0	1500	153	0	0.44	0	66.1	57.2	44.9
2-3 AM	154	0.0	1500	154	0	0.44	0	66.1	57.2	44.8
3-4 AM	117	0.0	1500	117	0	0.43	0	66.1	57.3	45.0
4-5 AM	105	0.0	1500	105	0	0.43	0	66.2	57.4	45.1
5-6 AM	170	0.0	1500	170	0	0.44	0	66.1	57.1	44.8
6-7 AM	310	0.0	1500	310	0	0.45	0	65.8	56.7	44.2
7-8 AM	444	0.0	1500	444	0	0.47	0	65.6	56.3	43.7
8-9 AM	785	0.0	1500	785	0	0.50	0	64.9	55.3	42.4
9-10 AM	1218	0.0	OFF	1218	0	0.00	0	64.1	64.1	64.1
10-11 AM	1590	0.0	OFF	1590	0	0.00	0	63.4	63.4	63.4
11AM-NOON	1729	0.0	OFF	1729	0	0.00	0	63.2	63.2	63.2
NOON-1PM	1954	0.0	OFF	1954	0	0.00	0	62.7	62.7	62.7
1-2 PM	1903	0.0	OFF	1903	0	0.00	0	62.8	62.8	62.8
2-3 PM	1968	0.0	OFF	1968	0	0.00	0	62.7	62.7	62.7
3-4 PM	2018	0.0	OFF	2018	0	0.00	0	62.6	62.6	62.6
4-5 PM	2036	0.0	OFF	2036	0	0.00	0	62.6	62.6	62.6
5-6 PM	1788	0.0	OFF	1788	0	0.00	0	63.0	63.0	63.0
6-7 PM	1442	0.0	OFF	1442	0	0.00	0	63.7	63.7	63.7
7-8 PM	1153	0.0	1500	1153	0	0.58	0	64.2	53.6	40.0
8-9 PM	832	0.0	1500	832	0	0.50	0	64.8	55.1	42.3
9-10 PM	601	0.0	1500	601	0	0.48	0	65.3	55.8	43.1
10-11 PM	423	0.0	1500	423	0	0.46	0	65.6	56.4	43.8
11PM-MID	226	0.0	1500	226	0	0.44	0	66.0	57.0	44.6

"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	0.0115
MAIN ROUTE WITH WORKS	0.0111
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$675
CONGESTED HOURS PER DAY*	0

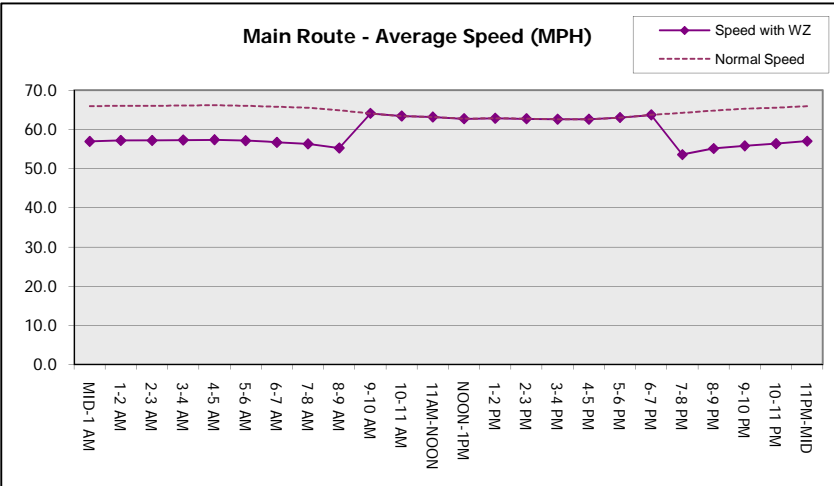
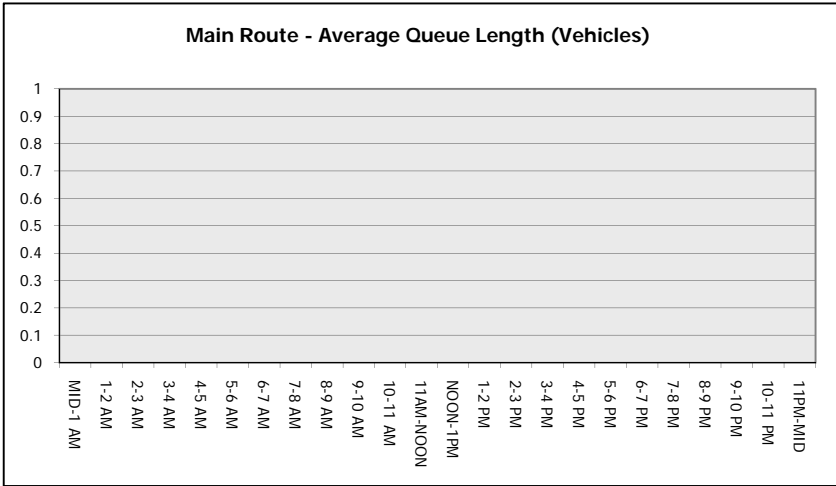
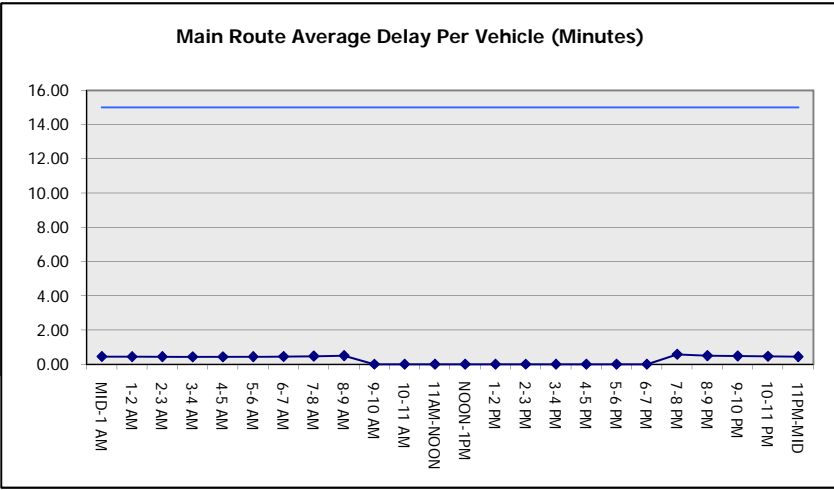
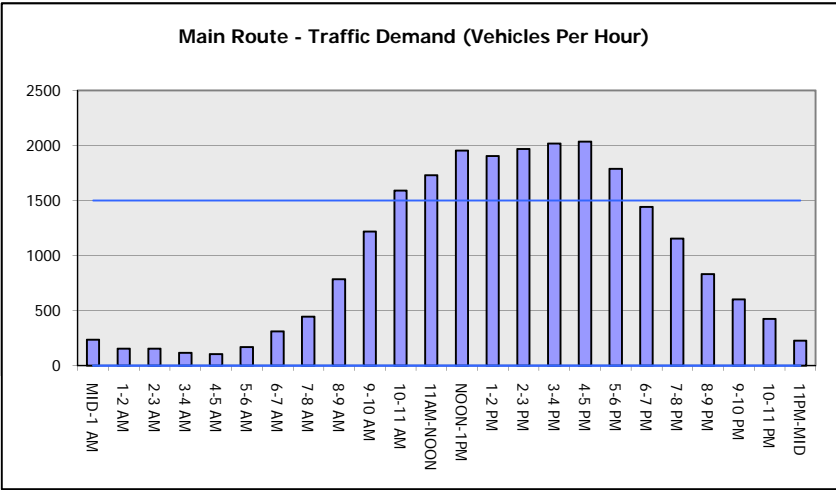
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY SOUTHBOUND DIRECTION



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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	255	0.0	1500	255	0	0.45	0	65.9	56.9	44.5
1-2 AM	151	0.0	1500	151	0	0.44	0	66.1	57.2	44.9
2-3 AM	124	0.0	1500	124	0	0.43	0	66.1	57.3	45.0
3-4 AM	73	0.0	1500	73	0	0.43	0	66.3	57.4	45.2
4-5 AM	85	0.0	1500	85	0	0.43	0	66.2	57.4	45.1
5-6 AM	220	0.0	1500	220	0	0.44	0	66.0	57.0	44.6
6-7 AM	264	0.0	1500	264	0	0.45	0	65.9	56.9	44.4
7-8 AM	497	0.0	1500	497	0	0.47	0	65.5	56.1	43.5
8-9 AM	729	0.0	1500	729	0	0.49	0	65.0	55.5	42.7
9-10 AM	1062	0.0	OFF	1062	0	0.00	0	64.4	64.4	64.4
10-11 AM	1513	0.0	OFF	1513	0	0.00	0	63.6	63.6	63.6
11AM-NOON	1825	0.0	OFF	1825	0	0.00	0	63.0	63.0	63.0
NOON-1PM	1922	0.0	OFF	1922	0	0.00	0	62.8	62.8	62.8
1-2 PM	1853	0.0	OFF	1853	0	0.00	0	62.9	62.9	62.9
2-3 PM	1744	0.0	OFF	1744	0	0.00	0	63.2	63.2	63.2
3-4 PM	1876	0.0	OFF	1876	0	0.00	0	62.9	62.9	62.9
4-5 PM	1797	0.0	OFF	1797	0	0.00	0	63.0	63.0	63.0
5-6 PM	1819	0.0	OFF	1819	0	0.00	0	63.0	63.0	63.0
6-7 PM	1598	0.0	OFF	1598	0	0.00	0	63.4	63.4	63.4
7-8 PM	1288	0.0	1500	1288	0	0.75	0	64.0	50.9	35.8
8-9 PM	1047	0.0	1500	1047	0	0.52	0	64.5	54.5	41.5
9-10 PM	791	0.0	1500	791	0	0.50	0	64.9	55.3	42.4
10-11 PM	504	0.0	1500	504	0	0.47	0	65.5	56.1	43.5
11PM-MID	295	0.0	1500	295	0	0.45	0	65.8	56.8	44.3

"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	0.0115
MAIN ROUTE WITH WORKS	0.0111
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$811
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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SUNDAY NORTHBOUND DIRECTION

