

USH 41: STH 76 TO USH 45 (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) 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	1499	1218	0	0.65	0	64.1	52.3	38.1
10-11 AM	1590	0.0	1499	1590	0	1.96	29	63.4	38.0	30.8
11AM-NOON	1729	0.0	1500	1729	0	7.73	193	63.2	17.5	30.8
NOON-1PM	1954	0.0	1499	1584	370	15.75+	398	62.7	10.4	30.8
1-2 PM	1903	0.0	1500	1500	403	16.10+	407	62.8	10.4	30.8
2-3 PM	1968	0.0	1500	1500	468	16.10+	407	62.7	10.4	30.8
3-4 PM	2018	0.0	1500	1500	517	16.09+	407	62.6	10.4	30.8
4-5 PM	2036	0.0	1500	1500	536	16.09+	407	62.6	10.4	30.8
5-6 PM	1788	0.0	1500	1500	288	16.11+	407	63.0	10.4	30.8
6-7 PM	1442	0.0	1500	1432	11	15.42+	388	63.7	10.6	30.8
7-8 PM	1153	0.0	1499	1153	0	6.05	181	64.2	20.8	34.2
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

+ 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

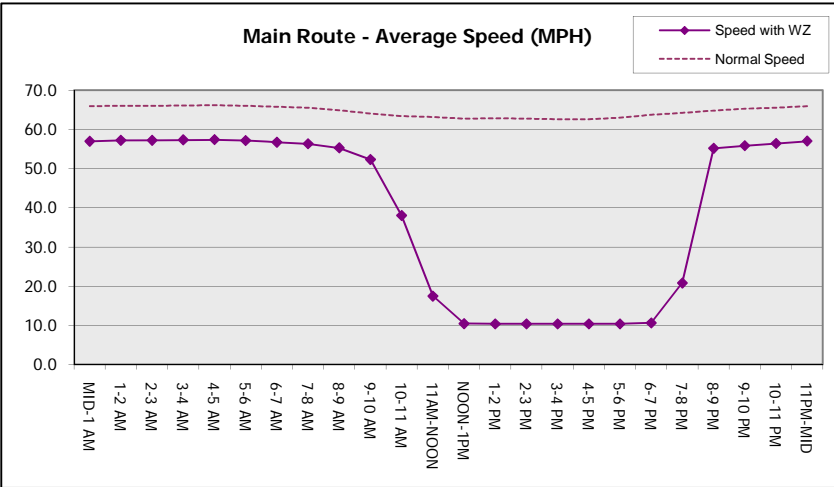
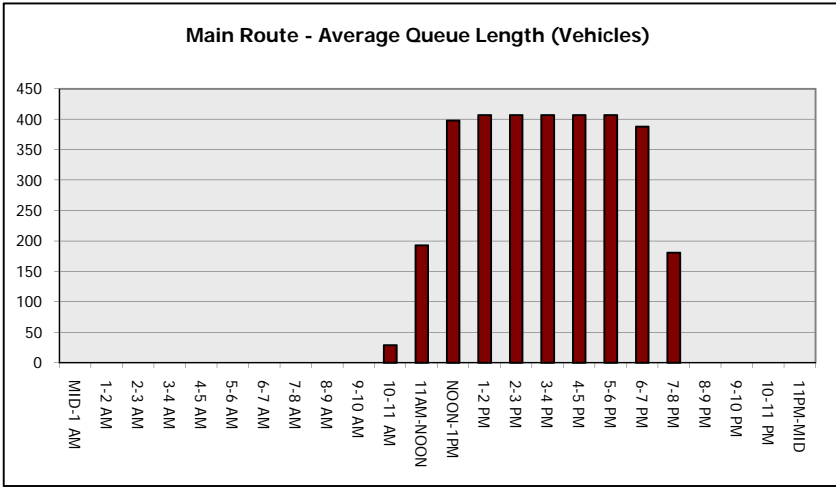
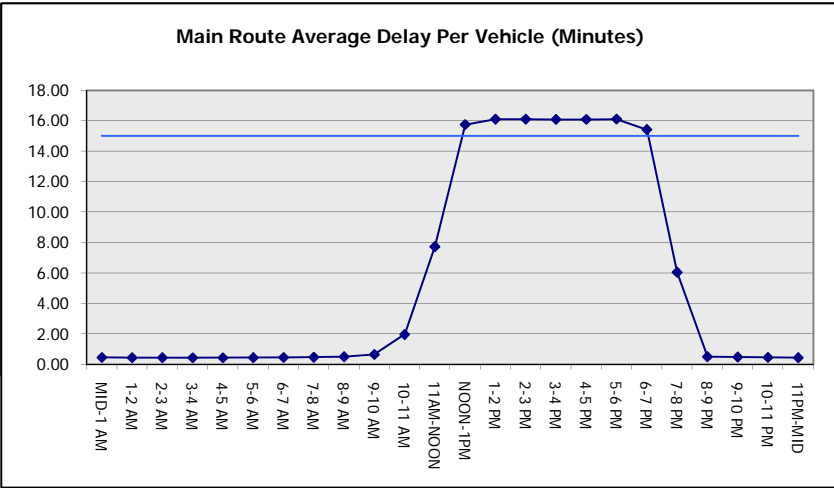
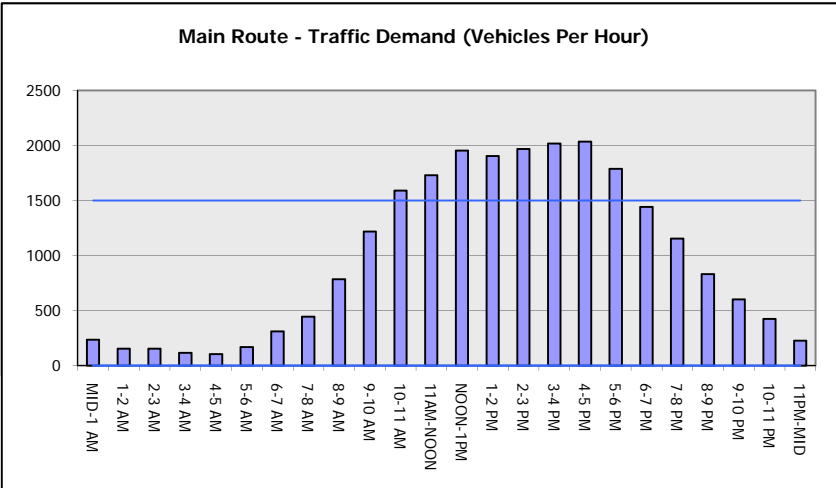
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0115
MAIN ROUTE WITH WORKS	0.0089
'DIVERSION'	0.0030
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$66,690
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



USH 41: STH 76 TO USH 45 (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) 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	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	1499	1062	0	0.55	0	64.4	54.1	40.8
10-11 AM	1513	0.0	1499	1513	0	1.40	13	63.6	43.0	31.7
11AM-NOON	1825	0.0	1500	1825	0	7.67	204	63.0	17.5	30.8
NOON-1PM	1922	0.0	1499	1501	421	16.10+	407	62.8	10.4	30.8
1-2 PM	1853	0.0	1500	1501	352	16.10+	407	62.9	10.4	30.8
2-3 PM	1744	0.0	1500	1501	243	16.11+	407	63.2	10.4	30.8
3-4 PM	1876	0.0	1500	1501	374	16.10+	407	62.9	10.4	30.8
4-5 PM	1797	0.0	1500	1501	296	16.11+	407	63.0	10.4	30.8
5-6 PM	1819	0.0	1500	1501	318	16.11+	407	63.0	10.4	30.8
6-7 PM	1598	0.0	1500	1516	81	15.89+	401	63.4	10.4	30.8
7-8 PM	1288	0.0	1499	1288	0	12.36+	313	64.0	12.4	30.9
8-9 PM	1047	0.0	1500	1047	0	1.62	46	64.5	41.2	39.2
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

+ 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	0.0115
MAIN ROUTE WITH WORKS	0.0091
'DIVERSION'	0.0024

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$67,580
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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