

USH 41: STH 44 TO STH 26 (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	190	0.0	1500	190	0	0.44	0	66.0	56.0	44.7	
1-2 AM	136	0.0	1500	136	0	0.44	0	66.1	56.1	45.0	
2-3 AM	121	0.0	1500	121	0	0.43	0	66.1	56.2	45.0	
3-4 AM	93	0.0	1500	93	0	0.43	0	66.2	56.3	45.1	
4-5 AM	97	0.0	1500	97	0	0.43	0	66.2	56.3	45.1	
5-6 AM	178	0.0	1500	178	0	0.44	0	66.1	56.0	44.8	
6-7 AM	316	0.0	1500	316	0	0.45	0	65.8	55.6	44.2	
7-8 AM	447	0.0	1500	447	0	0.47	0	65.6	55.1	43.7	
8-9 AM	796	0.0	1500	796	0	0.50	0	64.9	54.1	42.4	
9-10 AM	1221	0.0	1499	1221	0	0.66	0	64.1	50.9	38.1	
10-11 AM	1591	0.0	1499	1591	0	1.98	30	63.4	35.8	30.8	
11AM-NOON	1723	0.0	1500	1723	0	7.76	194	63.2	15.7	30.8	
NOON-1PM	1872	0.0	1499	1625	248	15.86+	401	62.9	9.9	30.8	
1-2 PM	1856	0.0	1499	1498	358	16.39+	415	62.9	9.7	30.8	
2-3 PM	1968	0.0	1499	1498	470	16.38+	415	62.7	9.7	30.8	
3-4 PM	1982	0.0	1499	1498	483	16.38+	415	62.7	9.7	30.8	
4-5 PM	1940	0.0	1499	1498	442	16.38+	415	62.8	9.7	30.8	
5-6 PM	1802	0.0	1499	1498	304	16.39+	415	63.0	9.7	30.8	
6-7 PM	1406	0.0	1499	1380	26	15.09+	380	63.8	10.2	30.8	
7-8 PM	1158	0.0	1499	1158	0	4.93	157	64.2	21.8	34.6	
8-9 PM	834	0.0	1500	834	0	0.50	0	64.8	54.0	42.3	
9-10 PM	573	0.0	1500	573	0	0.48	0	65.3	54.8	43.2	
10-11 PM	432	0.0	1500	432	0	0.46	0	65.6	55.2	43.8	
11PM-MID	226	0.0	1500	226	0	0.44	0	66.0	55.9	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

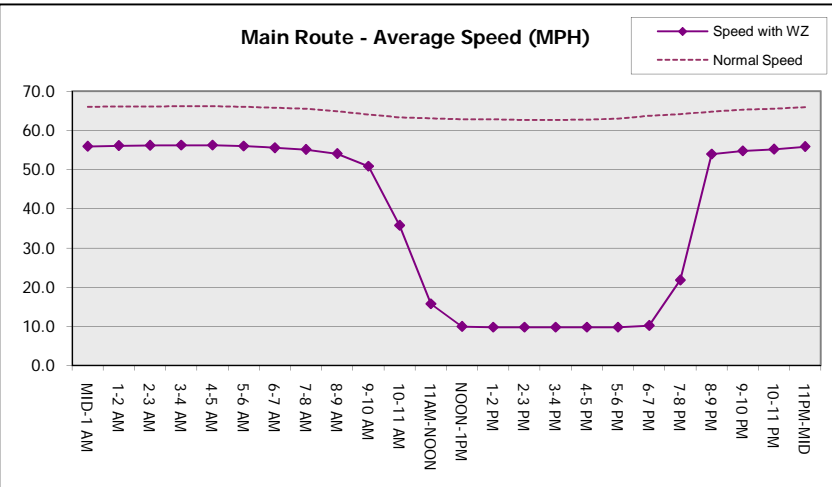
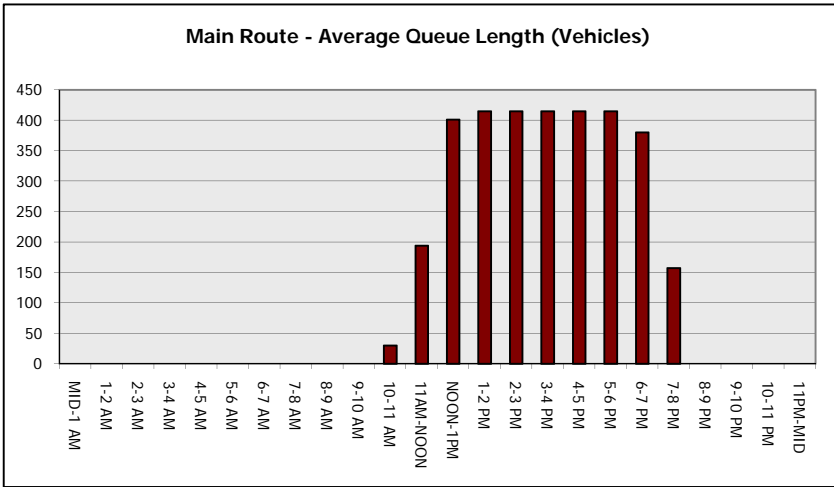
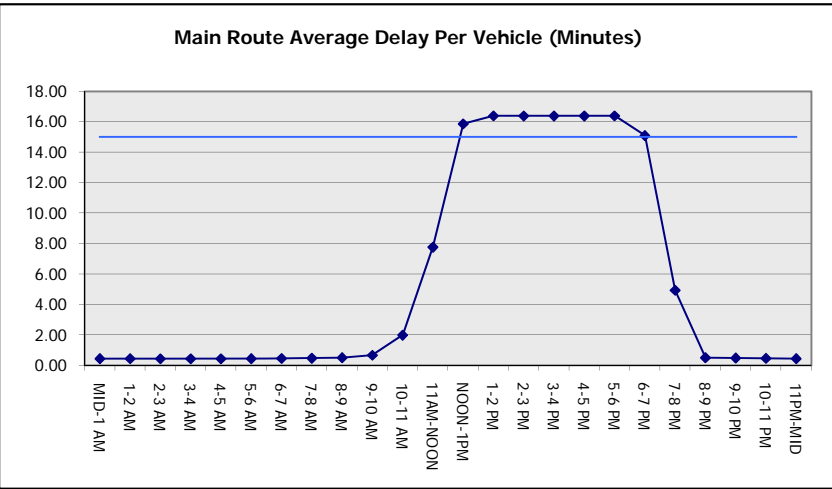
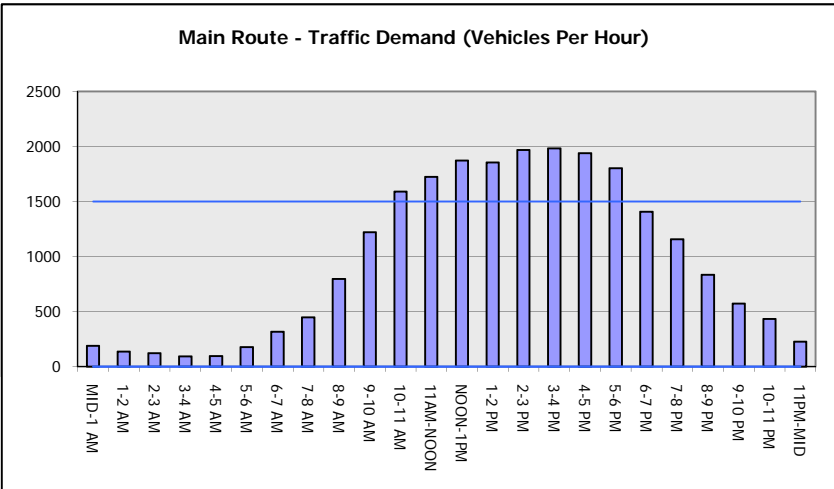
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0099
MAIN ROUTE WITH WORKS	0.0075
'DIVERSION'	0.0023
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$65,655
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



USH 41: STH 44 TO STH 26 (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	183	0.0	1500	183	0	0.44	0	66.1	56.0	44.8
1-2 AM	113	0.0	1500	113	0	0.43	0	66.2	56.2	45.0
2-3 AM	97	0.0	1500	97	0	0.43	0	66.2	56.3	45.1
3-4 AM	59	0.0	1500	59	0	0.43	0	66.3	56.4	45.3
4-5 AM	77	0.0	1500	77	0	0.43	0	66.3	56.3	45.2
5-6 AM	203	0.0	1500	203	0	0.44	0	66.0	56.0	44.6
6-7 AM	251	0.0	1500	251	0	0.45	0	65.9	55.8	44.5
7-8 AM	409	0.0	1500	409	0	0.46	0	65.6	55.3	43.8
8-9 AM	590	0.0	1500	590	0	0.48	0	65.3	54.7	43.2
9-10 AM	880	0.0	1500	880	0	0.51	0	64.8	53.8	42.1
10-11 AM	1134	0.0	1500	1134	0	0.55	0	64.3	52.7	40.7
11AM-NOON	1327	0.0	1500	1327	0	0.80	0	63.9	48.6	34.8
NOON-1PM	1437	0.0	1500	1437	0	0.94	0	63.7	46.5	32.1
1-2 PM	1374	0.0	1500	1374	0	0.86	0	63.8	47.6	33.6
2-3 PM	1309	0.0	1500	1309	0	0.78	0	64.0	48.9	35.3
3-4 PM	1297	0.0	1500	1297	0	0.76	0	64.0	49.2	35.6
4-5 PM	1306	0.0	1500	1306	0	0.77	0	64.0	49.0	35.3
5-6 PM	1324	0.0	1500	1324	0	0.80	0	63.9	48.6	34.8
6-7 PM	1191	0.0	1500	1191	0	0.63	0	64.1	51.4	38.8
7-8 PM	954	0.0	1500	954	0	0.51	0	64.6	53.6	41.9
8-9 PM	766	0.0	1500	766	0	0.50	0	65.0	54.2	42.5
9-10 PM	581	0.0	1500	581	0	0.48	0	65.3	54.8	43.2
10-11 PM	401	0.0	1500	401	0	0.46	0	65.6	55.3	43.9
11PM-MID	236	0.0	1500	236	0	0.45	0	66.0	55.8	44.5

----- 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	0.0075
MAIN ROUTE WITH WORKS	0.0064
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,341
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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