

USH 41: STH 44 TO STH 26 (WINNEBAGO COUNTY) OFF-PEAK DAY 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	OFF	190	0	0.00	0	66.0	66.0	66.0	
1-2 AM	136	0.0	OFF	136	0	0.00	0	66.1	66.1	66.1	
2-3 AM	121	0.0	OFF	121	0	0.00	0	66.1	66.1	66.1	
3-4 AM	93	0.0	OFF	93	0	0.00	0	66.2	66.2	66.2	
4-5 AM	97	0.0	OFF	97	0	0.00	0	66.2	66.2	66.2	
5-6 AM	178	0.0	OFF	178	0	0.00	0	66.1	66.1	66.1	
6-7 AM	316	0.0	OFF	316	0	0.00	0	65.8	65.8	65.8	
7-8 AM	447	0.0	OFF	447	0	0.00	0	65.6	65.6	65.6	
8-9 AM	796	0.0	OFF	796	0	0.00	0	64.9	64.9	64.9	
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	OFF	1158	0	0.28	16	64.2	57.9	57.9	
8-9 PM	834	0.0	OFF	834	0	0.00	0	64.8	64.8	64.8	
9-10 PM	573	0.0	OFF	573	0	0.00	0	65.3	65.3	65.3	
10-11 PM	432	0.0	OFF	432	0	0.00	0	65.6	65.6	65.6	
11PM-MID	226	0.0	OFF	226	0	0.00	0	66.0	66.0	66.0	

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

+ 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

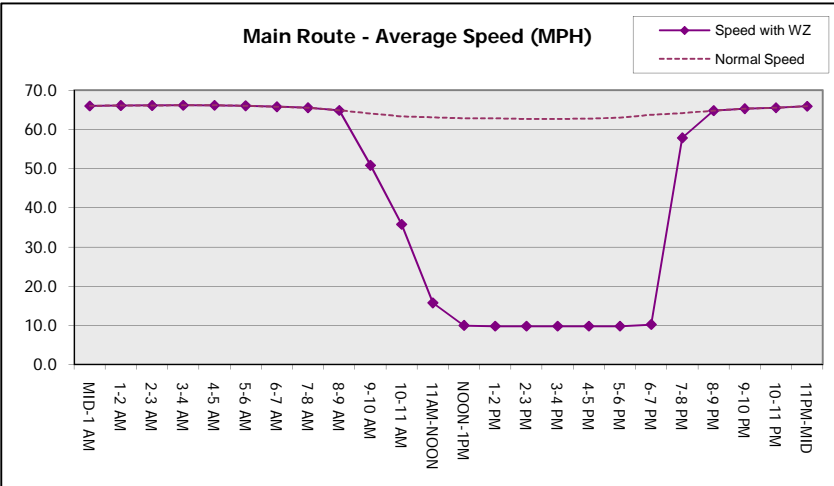
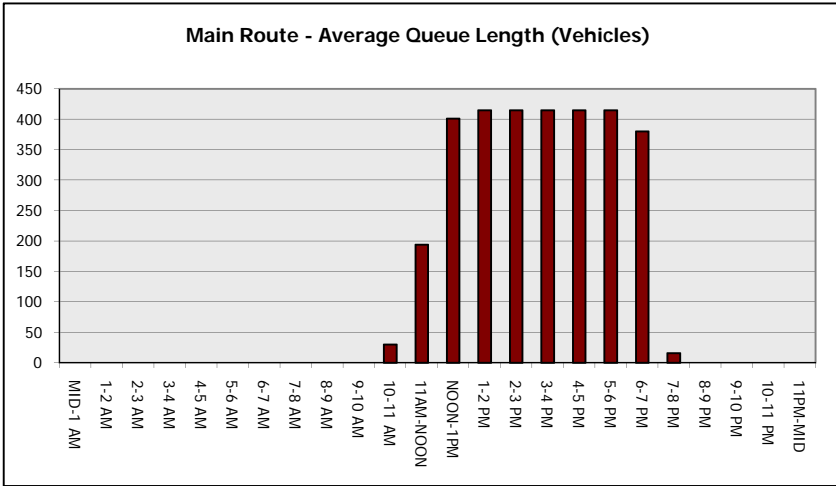
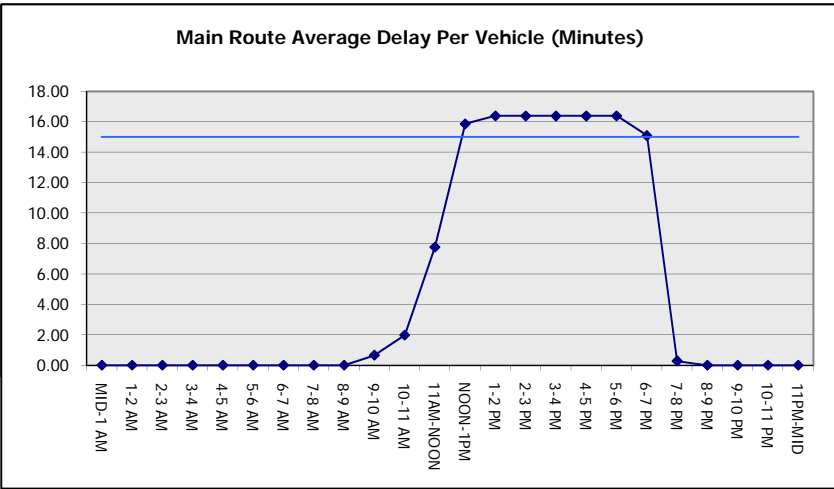
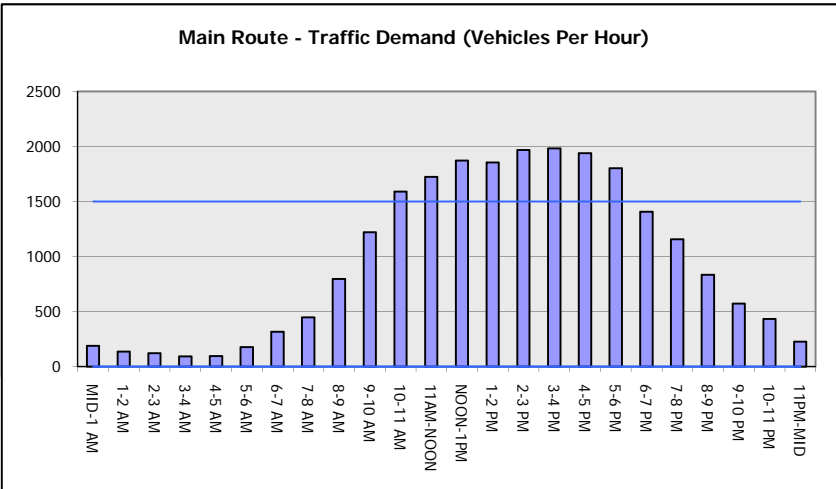
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0099
MAIN ROUTE WITH WORKS	0.0079
'DIVERSION'	0.0023
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$62,336
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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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	OFF	183	0	0.00	0	66.1	66.1	66.1
1-2 AM	113	0.0	OFF	113	0	0.00	0	66.2	66.2	66.2
2-3 AM	97	0.0	OFF	97	0	0.00	0	66.2	66.2	66.2
3-4 AM	59	0.0	OFF	59	0	0.00	0	66.3	66.3	66.3
4-5 AM	77	0.0	OFF	77	0	0.00	0	66.3	66.3	66.3
5-6 AM	203	0.0	OFF	203	0	0.00	0	66.0	66.0	66.0
6-7 AM	251	0.0	OFF	251	0	0.00	0	65.9	65.9	65.9
7-8 AM	409	0.0	OFF	409	0	0.00	0	65.6	65.6	65.6
8-9 AM	590	0.0	OFF	590	0	0.00	0	65.3	65.3	65.3
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	OFF	954	0	0.00	0	64.6	64.6	64.6
8-9 PM	766	0.0	OFF	766	0	0.00	0	65.0	65.0	65.0
9-10 PM	581	0.0	OFF	581	0	0.00	0	65.3	65.3	65.3
10-11 PM	401	0.0	OFF	401	0	0.00	0	65.6	65.6	65.6
11PM-MID	236	0.0	OFF	236	0	0.00	0	66.0	66.0	66.0

"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	0.0075
MAIN ROUTE WITH WORKS	0.0067
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,629
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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