

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

SATURDAY 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	230	0.0	OFF	230	0	0.00	0	66.0	66.0	66.0	
1-2 AM	144	0.0	OFF	144	0	0.00	0	66.1	66.1	66.1	
2-3 AM	116	0.0	OFF	116	0	0.00	0	66.2	66.2	66.2	
3-4 AM	101	0.0	OFF	101	0	0.00	0	66.2	66.2	66.2	
4-5 AM	184	0.0	OFF	184	0	0.00	0	66.0	66.0	66.0	
5-6 AM	284	0.0	OFF	284	0	0.00	0	65.8	65.8	65.8	
6-7 AM	511	0.0	OFF	511	0	0.00	0	65.5	65.5	65.5	
7-8 AM	850	0.0	OFF	850	0	0.00	0	64.8	64.8	64.8	
8-9 AM	1240	0.0	1500	1240	0	0.69	0	64.1	50.4	37.2	
9-10 AM	1423	0.0	1499	1423	0	0.92	0	63.7	46.8	32.5	
10-11 AM	1609	0.0	1499	1609	0	2.63	48	63.4	31.2	30.8	
11AM-NOON	1606	0.0	1499	1606	0	6.94	162	63.4	17.1	30.8	
NOON-1PM	1578	0.0	1499	1578	0	10.48	256	63.5	12.5	30.8	
1-2 PM	1525	0.0	1499	1525	0	12.33	305	63.5	11.2	30.8	
2-3 PM	1585	0.0	1500	1585	0	14.27+	358	63.4	10.4	30.8	
3-4 PM	1588	0.0	1499	1505	84	16.38+	414	63.4	9.7	30.8	
4-5 PM	1439	0.0	1500	1439	0	15.34+	386	63.7	10.1	30.8	
5-6 PM	1290	0.0	1499	1290	0	10.06	253	64.0	13.1	31.1	
6-7 PM	1054	0.0	OFF	1054	0	0.06	3	64.4	63.0	63.0	
7-8 PM	863	0.0	OFF	863	0	0.00	0	64.8	64.8	64.8	
8-9 PM	785	0.0	OFF	785	0	0.00	0	64.9	64.9	64.9	
9-10 PM	669	0.0	OFF	669	0	0.00	0	65.1	65.1	65.1	
10-11 PM	534	0.0	OFF	534	0	0.00	0	65.4	65.4	65.4	
11PM-MID	316	0.0	OFF	316	0	0.00	0	65.8	65.8	65.8	

"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

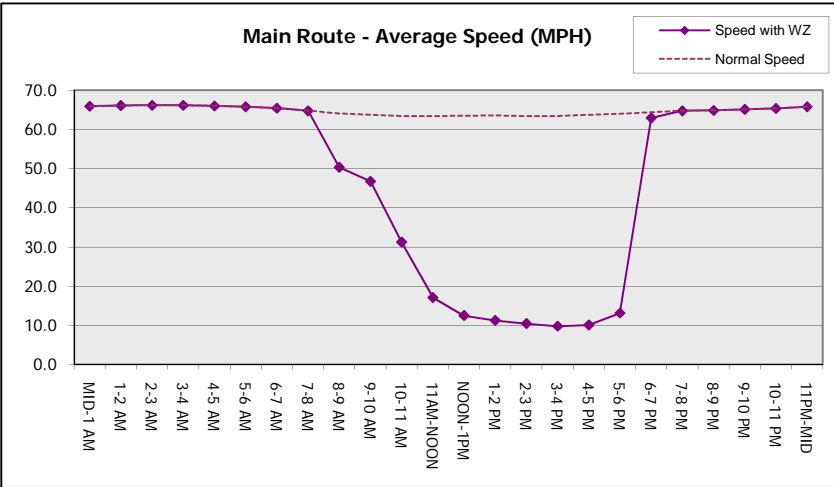
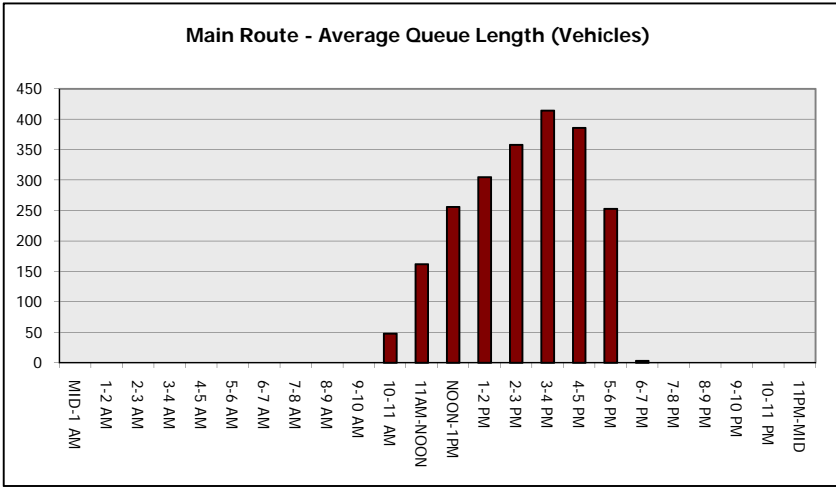
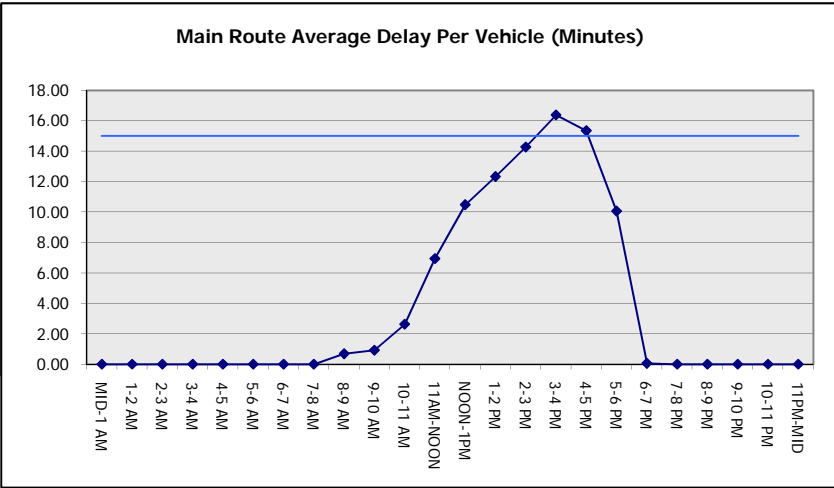
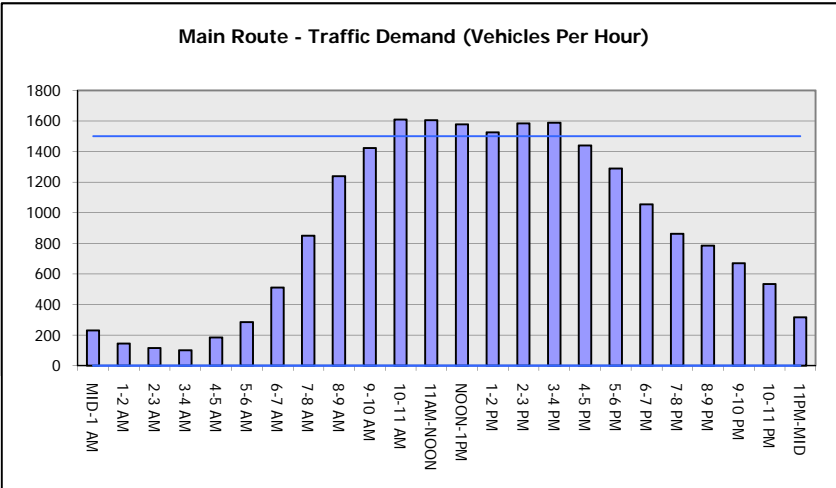
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0093
MAIN ROUTE WITH WORKS	0.0082
'DIVERSION'	0.0001
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$38,184
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	260	0.0	OFF	260	0	0.00	0	65.9	65.9	65.9
1-2 AM	165	0.0	OFF	165	0	0.00	0	66.1	66.1	66.1
2-3 AM	134	0.0	OFF	134	0	0.00	0	66.1	66.1	66.1
3-4 AM	108	0.0	OFF	108	0	0.00	0	66.2	66.2	66.2
4-5 AM	146	0.0	OFF	146	0	0.00	0	66.1	66.1	66.1
5-6 AM	322	0.0	OFF	322	0	0.00	0	65.8	65.8	65.8
6-7 AM	521	0.0	OFF	521	0	0.00	0	65.4	65.4	65.4
7-8 AM	856	0.0	OFF	856	0	0.00	0	64.8	64.8	64.8
8-9 AM	1133	0.0	1500	1133	0	0.55	0	64.3	52.8	40.7
9-10 AM	1395	0.0	1499	1395	0	0.89	0	63.8	47.3	33.2
10-11 AM	1616	0.0	1499	1616	0	2.63	49	63.4	31.2	30.8
11AM-NOON	1669	0.0	1500	1669	0	8.15	199	63.3	15.2	30.8
NOON-1PM	1646	0.0	1499	1646	0	14.26+	359	63.3	10.4	30.8
1-2 PM	1614	0.0	1499	1494	120	16.37+	414	63.4	9.7	30.8
2-3 PM	1528	0.0	1499	1490	38	16.36+	413	63.5	9.7	30.8
3-4 PM	1438	0.0	1499	1438	0	15.35+	386	63.7	10.1	30.8
4-5 PM	1437	0.0	1500	1437	0	13.09	325	63.7	10.9	30.8
5-6 PM	1296	0.0	1499	1296	0	7.97	199	64.0	15.5	31.5
6-7 PM	1055	0.0	OFF	1055	0	0.03	1	64.4	63.8	63.8
7-8 PM	876	0.0	OFF	876	0	0.00	0	64.8	64.8	64.8
8-9 PM	728	0.0	OFF	728	0	0.00	0	65.0	65.0	65.0
9-10 PM	665	0.0	OFF	665	0	0.00	0	65.1	65.1	65.1
10-11 PM	532	0.0	OFF	532	0	0.00	0	65.4	65.4	65.4
11PM-MID	345	0.0	OFF	345	0	0.00	0	65.8	65.8	65.8

"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	0.0092
MAIN ROUTE WITH WORKS	0.0082
'DIVERSION'	0.0002

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$40,763
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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