

USH 41: STH 44 TO STH 26 (WINNEBAGO COUNTY) NIGHTTIME 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	1500	230	0	0.44	0	66.0	55.8	44.6	
1-2 AM	144	0.0	1500	144	0	0.44	0	66.1	56.1	44.9	
2-3 AM	116	0.0	1500	116	0	0.43	0	66.2	56.2	45.0	
3-4 AM	101	0.0	1500	101	0	0.43	0	66.2	56.3	45.1	
4-5 AM	184	0.0	1500	184	0	0.44	0	66.0	56.0	44.8	
5-6 AM	284	0.0	1500	284	0	0.45	0	65.8	55.7	44.3	
6-7 AM	511	0.0	1500	511	0	0.47	0	65.5	55.0	43.5	
7-8 AM	850	0.0	1500	850	0	0.50	0	64.8	53.9	42.2	
8-9 AM	1240	0.0	OFF	1240	0	0.00	0	64.1	64.1	64.1	
9-10 AM	1423	0.0	OFF	1423	0	0.00	0	63.7	63.7	63.7	
10-11 AM	1609	0.0	OFF	1609	0	0.00	0	63.4	63.4	63.4	
11AM-NOON	1606	0.0	OFF	1606	0	0.00	0	63.4	63.4	63.4	
NOON-1PM	1578	0.0	OFF	1578	0	0.00	0	63.5	63.5	63.5	
1-2 PM	1525	0.0	OFF	1525	0	0.00	0	63.5	63.5	63.5	
2-3 PM	1585	0.0	OFF	1585	0	0.00	0	63.4	63.4	63.4	
3-4 PM	1588	0.0	OFF	1588	0	0.00	0	63.4	63.4	63.4	
4-5 PM	1439	0.0	OFF	1439	0	0.00	0	63.7	63.7	63.7	
5-6 PM	1290	0.0	OFF	1290	0	0.00	0	64.0	64.0	64.0	
6-7 PM	1054	0.0	1500	1054	0	0.52	0	64.4	53.3	41.5	
7-8 PM	863	0.0	1500	863	0	0.51	0	64.8	53.9	42.2	
8-9 PM	785	0.0	1500	785	0	0.50	0	64.9	54.1	42.4	
9-10 PM	669	0.0	1500	669	0	0.49	0	65.1	54.5	42.8	
10-11 PM	534	0.0	1500	534	0	0.47	0	65.4	54.9	43.3	
11PM-MID	316	0.0	1500	316	0	0.45	0	65.8	55.6	44.2	

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

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

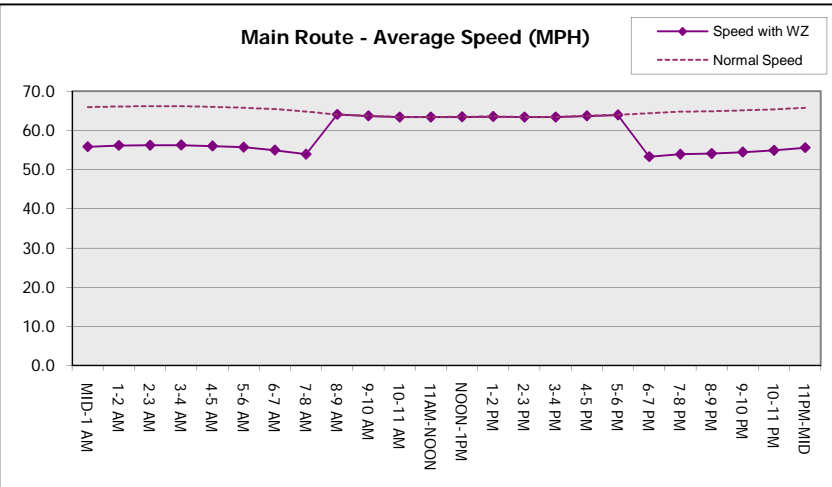
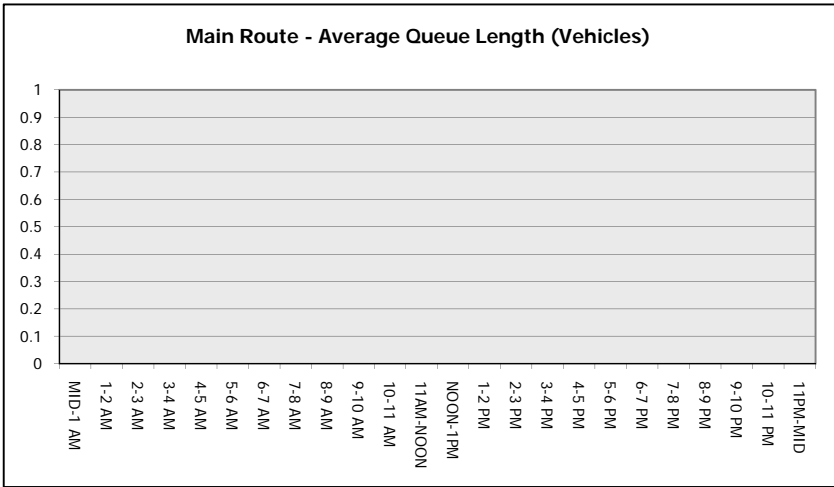
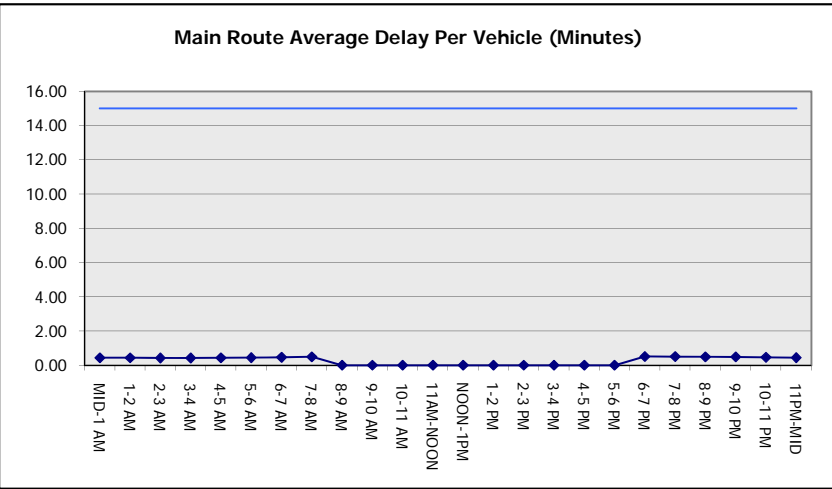
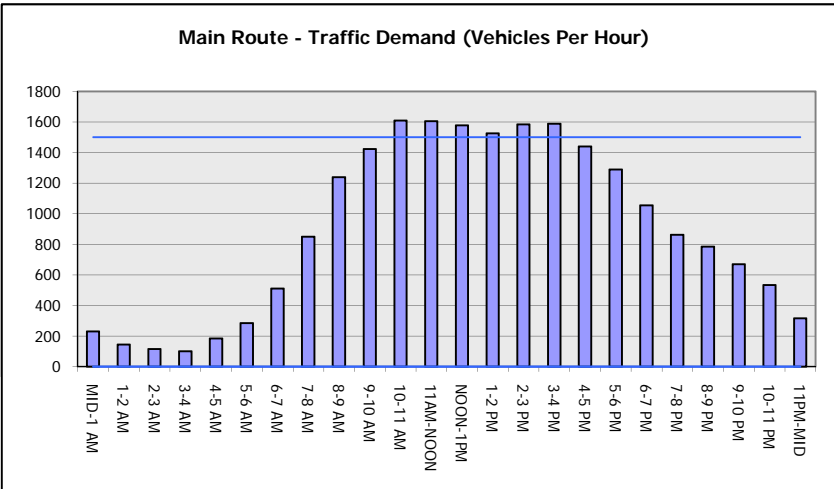
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0093
MAIN ROUTE WITH WORKS	0.0088
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$757
CONGESTED HOURS PER DAY*	0

*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	1500	260	0	0.45	0	65.9	55.8	44.5
1-2 AM	165	0.0	1500	165	0	0.44	0	66.1	56.1	44.8
2-3 AM	134	0.0	1500	134	0	0.44	0	66.1	56.1	45.0
3-4 AM	108	0.0	1500	108	0	0.43	0	66.2	56.3	45.1
4-5 AM	146	0.0	1500	146	0	0.44	0	66.1	56.1	44.9
5-6 AM	322	0.0	1500	322	0	0.45	0	65.8	55.6	44.2
6-7 AM	521	0.0	1500	521	0	0.47	0	65.4	55.0	43.4
7-8 AM	856	0.0	1500	856	0	0.51	0	64.8	53.9	42.2
8-9 AM	1133	0.0	OFF	1133	0	0.00	0	64.3	64.3	64.3
9-10 AM	1395	0.0	OFF	1395	0	0.00	0	63.8	63.8	63.8
10-11 AM	1616	0.0	OFF	1616	0	0.00	0	63.4	63.4	63.4
11AM-NOON	1669	0.0	OFF	1669	0	0.00	0	63.3	63.3	63.3
NOON-1PM	1646	0.0	OFF	1646	0	0.00	0	63.3	63.3	63.3
1-2 PM	1614	0.0	OFF	1614	0	0.00	0	63.4	63.4	63.4
2-3 PM	1528	0.0	OFF	1528	0	0.00	0	63.5	63.5	63.5
3-4 PM	1438	0.0	OFF	1438	0	0.00	0	63.7	63.7	63.7
4-5 PM	1437	0.0	OFF	1437	0	0.00	0	63.7	63.7	63.7
5-6 PM	1296	0.0	OFF	1296	0	0.00	0	64.0	64.0	64.0
6-7 PM	1055	0.0	1500	1055	0	0.52	0	64.4	53.3	41.5
7-8 PM	876	0.0	1500	876	0	0.51	0	64.8	53.8	42.1
8-9 PM	728	0.0	1500	728	0	0.49	0	65.0	54.3	42.7
9-10 PM	665	0.0	1500	665	0	0.49	0	65.1	54.5	42.9
10-11 PM	532	0.0	1500	532	0	0.47	0	65.4	54.9	43.4
11PM-MID	345	0.0	1500	345	0	0.46	0	65.8	55.5	44.1

"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	0.0092
MAIN ROUTE WITH WORKS	0.0088
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$766
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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