

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

MON-THUR 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	143	0.0	1500	143	0	0.44	0	66.1	56.1	44.9	
1-2 AM	124	0.0	1500	124	0	0.43	0	66.1	56.2	45.0	
2-3 AM	121	0.0	1500	121	0	0.43	0	66.1	56.2	45.0	
3-4 AM	154	0.0	1500	154	0	0.44	0	66.1	56.1	44.8	
4-5 AM	312	0.0	1500	312	0	0.45	0	65.8	55.6	44.2	
5-6 AM	734	0.0	OFF	734	0	0.00	0	65.0	65.0	65.0	
6-7 AM	1362	0.0	OFF	1362	0	0.00	0	63.8	63.8	63.8	
7-8 AM	1925	0.0	OFF	1925	0	0.00	0	62.8	62.8	62.8	
8-9 AM	1535	0.0	OFF	1535	0	0.00	0	63.5	63.5	63.5	
9-10 AM	1339	0.0	OFF	1339	0	0.00	0	63.9	63.9	63.9	
10-11 AM	1329	0.0	OFF	1329	0	0.00	0	63.9	63.9	63.9	
11AM-NOON	1377	0.0	OFF	1377	0	0.00	0	63.8	63.8	63.8	
NOON-1PM	1441	0.0	OFF	1441	0	0.00	0	63.7	63.7	63.7	
1-2 PM	1517	0.0	OFF	1517	0	0.00	0	63.5	63.5	63.5	
2-3 PM	1680	0.0	OFF	1680	0	0.00	0	63.3	63.3	63.3	
3-4 PM	1992	0.0	OFF	1992	0	0.00	0	62.7	62.7	62.7	
4-5 PM	2168	0.0	OFF	2168	0	0.00	0	62.3	62.3	62.3	
5-6 PM	1920	0.0	OFF	1920	0	0.00	0	62.8	62.8	62.8	
6-7 PM	1264	0.0	OFF	1264	0	0.00	0	64.0	64.0	64.0	
7-8 PM	930	0.0	1500	930	0	0.51	0	64.6	53.7	41.9	
8-9 PM	817	0.0	1500	817	0	0.50	0	64.8	54.0	42.4	
9-10 PM	606	0.0	1500	606	0	0.48	0	65.3	54.6	43.1	
10-11 PM	467	0.0	1500	467	0	0.47	0	65.5	55.1	43.7	
11PM-MID	272	0.0	1500	272	0	0.45	0	65.9	55.7	44.4	

"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

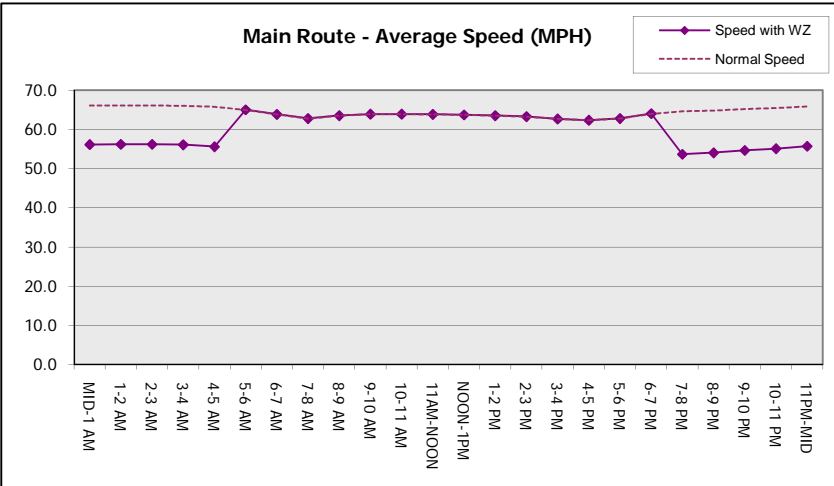
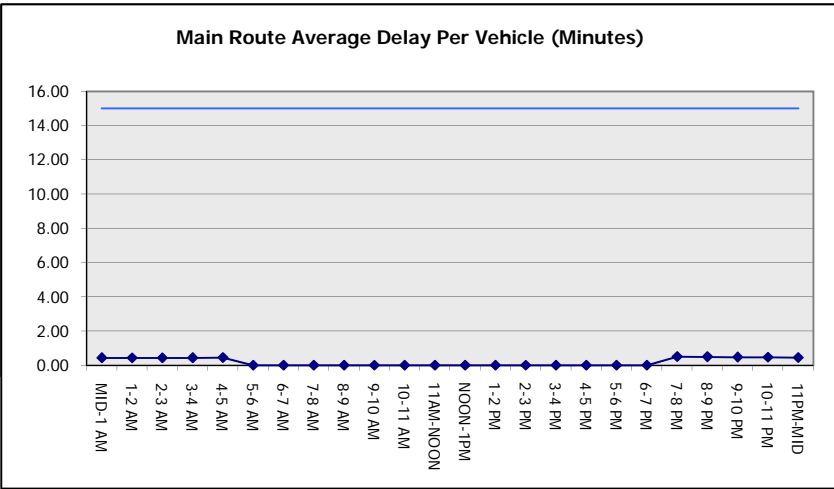
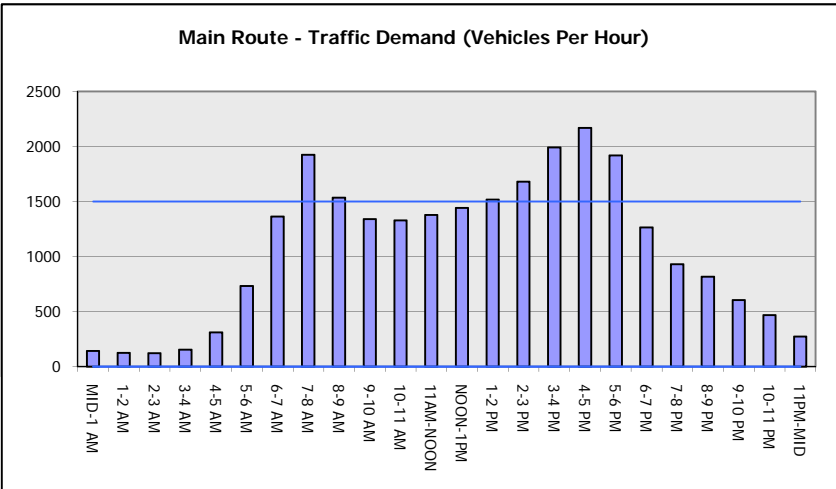
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0110
MAIN ROUTE WITH WORKS	0.0107
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$391
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	145	0.0	1500	145	0	0.44	0	66.1	56.1	44.9
1-2 AM	103	0.0	1500	103	0	0.43	0	66.2	56.3	45.1
2-3 AM	97	0.0	1500	97	0	0.43	0	66.2	56.3	45.1
3-4 AM	131	0.0	1500	131	0	0.44	0	66.1	56.1	45.0
4-5 AM	220	0.0	1500	220	0	0.44	0	66.0	55.9	44.6
5-6 AM	625	0.0	OFF	625	0	0.00	0	65.2	65.2	65.2
6-7 AM	1168	0.0	OFF	1168	0	0.00	0	64.2	64.2	64.2
7-8 AM	1665	0.0	OFF	1665	0	0.00	0	63.3	63.3	63.3
8-9 AM	1223	0.0	OFF	1223	0	0.00	0	64.1	64.1	64.1
9-10 AM	1123	0.0	OFF	1123	0	0.00	0	64.3	64.3	64.3
10-11 AM	1154	0.0	OFF	1154	0	0.00	0	64.2	64.2	64.2
11AM-NOON	1200	0.0	OFF	1200	0	0.00	0	64.1	64.1	64.1
NOON-1PM	1242	0.0	OFF	1242	0	0.00	0	64.1	64.1	64.1
1-2 PM	1272	0.0	OFF	1272	0	0.00	0	64.0	64.0	64.0
2-3 PM	1436	0.0	OFF	1436	0	0.00	0	63.7	63.7	63.7
3-4 PM	1664	0.0	OFF	1664	0	0.00	0	63.3	63.3	63.3
4-5 PM	1862	0.0	OFF	1862	0	0.00	0	62.9	62.9	62.9
5-6 PM	1763	0.0	OFF	1763	0	0.00	0	63.1	63.1	63.1
6-7 PM	1228	0.0	OFF	1228	0	0.00	0	64.1	64.1	64.1
7-8 PM	855	0.0	1500	855	0	0.51	0	64.8	53.9	42.2
8-9 PM	721	0.0	1500	721	0	0.49	0	65.0	54.3	42.7
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	281	0.0	1500	281	0	0.45	0	65.9	55.7	44.3

"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	0.0095
MAIN ROUTE WITH WORKS	0.0093
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$348
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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