

USH 41: STH 44 TO STH 26 (WINNEBAGO COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	169	0.0	1500	169	0	0.44	0	66.1	56.0	44.8
1-2 AM	137	0.0	1500	137	0	0.44	0	66.1	56.1	45.0
2-3 AM	130	0.0	1500	130	0	0.44	0	66.1	56.2	45.0
3-4 AM	194	0.0	1500	194	0	0.44	0	66.0	56.0	44.7
4-5 AM	363	0.0	1500	363	0	0.46	0	65.7	55.4	44.0
5-6 AM	834	0.0	OFF	834	0	0.00	0	64.8	64.8	64.8
6-7 AM	1487	0.0	OFF	1487	0	0.00	0	63.6	63.6	63.6
7-8 AM	2040	0.0	OFF	2040	0	0.00	0	62.6	62.6	62.6
8-9 AM	1641	0.0	OFF	1641	0	0.00	0	63.3	63.3	63.3
9-10 AM	1438	0.0	OFF	1438	0	0.00	0	63.7	63.7	63.7
10-11 AM	1461	0.0	OFF	1461	0	0.00	0	63.7	63.7	63.7
11AM-NOON	1541	0.0	OFF	1541	0	0.00	0	63.5	63.5	63.5
NOON-1PM	1609	0.0	OFF	1609	0	0.00	0	63.4	63.4	63.4
1-2 PM	1679	0.0	OFF	1679	0	0.00	0	63.3	63.3	63.3
2-3 PM	1864	0.0	OFF	1864	0	0.00	0	62.9	62.9	62.9
3-4 PM	2033	0.0	OFF	2033	0	0.00	0	62.6	62.6	62.6
4-5 PM	2217	0.0	OFF	2217	0	0.00	0	62.2	62.2	62.2
5-6 PM	1942	0.0	OFF	1942	0	0.00	0	62.8	62.8	62.8
6-7 PM	1269	0.0	OFF	1269	0	0.00	0	64.0	64.0	64.0
7-8 PM	936	0.0	1500	936	0	0.51	0	64.6	53.7	41.9
8-9 PM	814	0.0	1500	814	0	0.50	0	64.9	54.0	42.4
9-10 PM	663	0.0	1500	663	0	0.49	0	65.1	54.5	42.9
10-11 PM	539	0.0	1500	539	0	0.47	0	65.4	54.9	43.3
11PM-MID	361	0.0	1500	361	0	0.46	0	65.7	55.5	44.0

"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

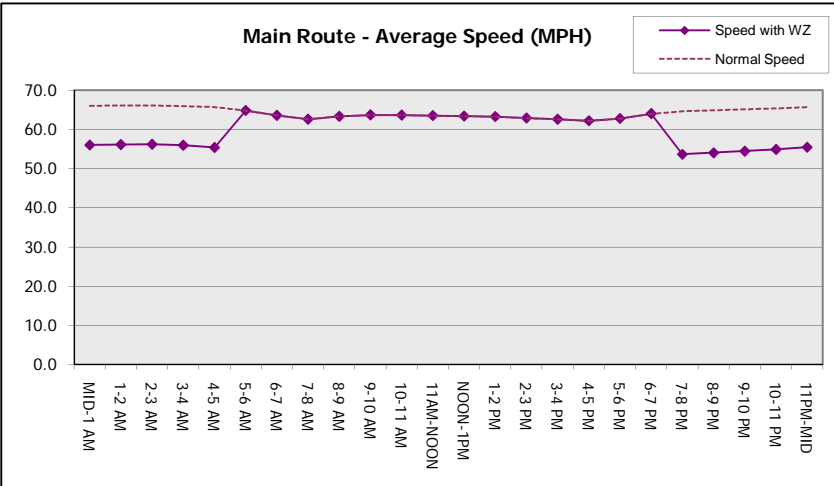
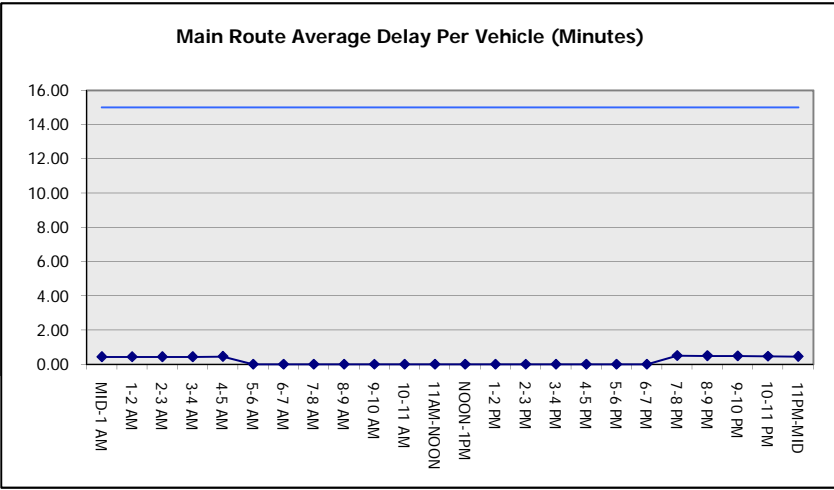
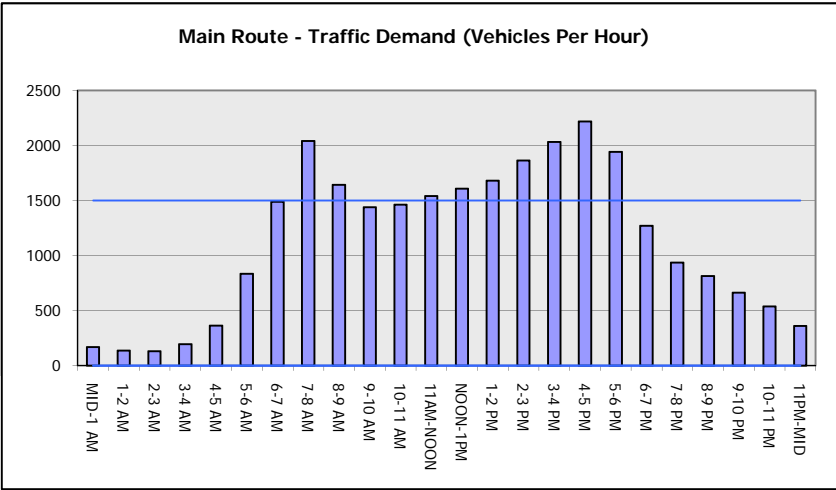
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0118
MAIN ROUTE WITH WORKS	0.0115
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$427
CONGESTED HOURS PER DAY*	0

*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	177	0.0	1500	177	0	0.44	0	66.1	56.0	44.8
1-2 AM	133	0.0	1500	133	0	0.44	0	66.1	56.1	45.0
2-3 AM	122	0.0	1500	122	0	0.43	0	66.1	56.2	45.0
3-4 AM	150	0.0	1500	150	0	0.44	0	66.1	56.1	44.9
4-5 AM	253	0.0	1500	253	0	0.45	0	65.9	55.8	44.5
5-6 AM	690	0.0	OFF	690	0	0.00	0	65.1	65.1	65.1
6-7 AM	1242	0.0	OFF	1242	0	0.00	0	64.1	64.1	64.1
7-8 AM	1707	0.0	OFF	1707	0	0.00	0	63.2	63.2	63.2
8-9 AM	1296	0.0	OFF	1296	0	0.00	0	64.0	64.0	64.0
9-10 AM	1270	0.0	OFF	1270	0	0.00	0	64.0	64.0	64.0
10-11 AM	1367	0.0	OFF	1367	0	0.00	0	63.8	63.8	63.8
11AM-NOON	1404	0.0	OFF	1404	0	0.00	0	63.8	63.8	63.8
NOON-1PM	1413	0.0	OFF	1413	0	0.00	0	63.8	63.8	63.8
1-2 PM	1482	0.0	OFF	1482	0	0.00	0	63.7	63.7	63.7
2-3 PM	1627	0.0	OFF	1627	0	0.00	0	63.3	63.3	63.3
3-4 PM	1840	0.0	OFF	1840	0	0.00	0	63.0	63.0	63.0
4-5 PM	2076	0.0	OFF	2076	0	0.00	0	62.5	62.5	62.5
5-6 PM	1964	0.0	OFF	1964	0	0.00	0	62.7	62.7	62.7
6-7 PM	1344	0.0	OFF	1344	0	0.00	0	63.9	63.9	63.9
7-8 PM	965	0.0	1500	965	0	0.52	0	64.6	53.6	41.8
8-9 PM	789	0.0	1500	789	0	0.50	0	64.9	54.1	42.4
9-10 PM	617	0.0	1500	617	0	0.48	0	65.3	54.6	43.0
10-11 PM	444	0.0	1500	444	0	0.47	0	65.6	55.1	43.7
11PM-MID	309	0.0	1500	309	0	0.45	0	65.8	55.6	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	0.0106
MAIN ROUTE WITH WORKS	0.0104
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$393
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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