

USH 41: 9TH AVE TO STH 44 (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	195	0.0	1500	195	0	0.44	0	66.0	49.0	44.7
1-2 AM	157	0.0	1500	157	0	0.44	0	66.1	49.1	44.8
2-3 AM	149	0.0	1500	149	0	0.44	0	66.1	49.2	44.9
3-4 AM	222	0.0	1500	222	0	0.44	0	66.0	48.9	44.6
4-5 AM	419	0.0	1500	419	0	0.46	0	65.6	48.1	43.8
5-6 AM	961	0.0	OFF	961	0	0.00	0	64.6	64.6	64.6
6-7 AM	1714	0.0	OFF	1714	0	0.00	0	63.2	63.2	63.2
7-8 AM	2351	0.0	OFF	2351	0	0.00	0	62.0	62.0	62.0
8-9 AM	1892	0.0	OFF	1892	0	0.00	0	62.8	62.8	62.8
9-10 AM	1657	0.0	OFF	1657	0	0.00	0	63.3	63.3	63.3
10-11 AM	1684	0.0	OFF	1684	0	0.00	0	63.2	63.2	63.2
11AM-NOON	1777	0.0	OFF	1777	0	0.00	0	63.1	63.1	63.1
NOON-1PM	1855	0.0	OFF	1855	0	0.00	0	62.9	62.9	62.9
1-2 PM	1934	0.0	OFF	1934	0	0.00	0	62.8	62.8	62.8
2-3 PM	2149	0.0	OFF	2149	0	0.00	0	62.4	62.4	62.4
3-4 PM	2343	0.0	OFF	2343	0	0.00	0	62.0	62.0	62.0
4-5 PM	2556	0.0	OFF	2556	0	0.00	0	60.3	60.3	60.3
5-6 PM	2239	0.0	OFF	2239	0	0.00	0	62.2	62.2	62.2
6-7 PM	1463	0.0	OFF	1463	0	0.00	0	63.7	63.7	63.7
7-8 PM	1079	0.0	1500	1079	0	0.53	0	64.4	45.8	41.4
8-9 PM	939	0.0	1500	939	0	0.51	0	64.6	46.3	41.9
9-10 PM	764	0.0	1500	764	0	0.50	0	65.0	46.9	42.5
10-11 PM	622	0.0	1500	622	0	0.48	0	65.2	47.4	43.0
11PM-MID	416	0.0	1500	416	0	0.46	0	65.6	48.2	43.8

"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

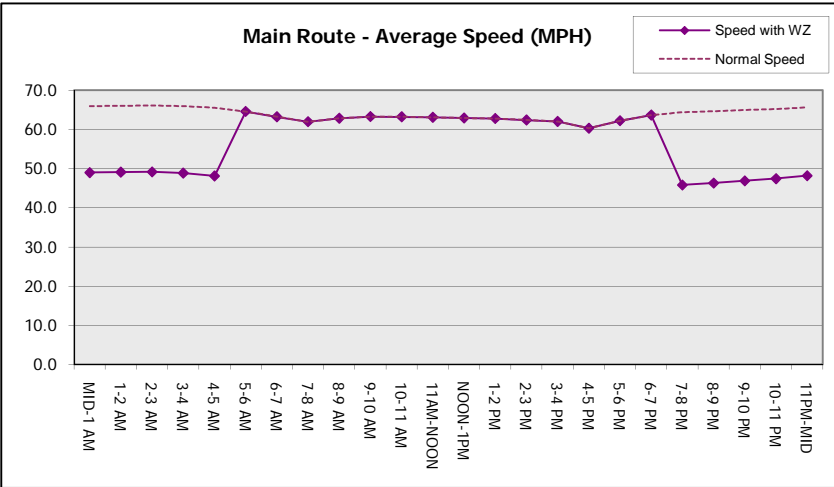
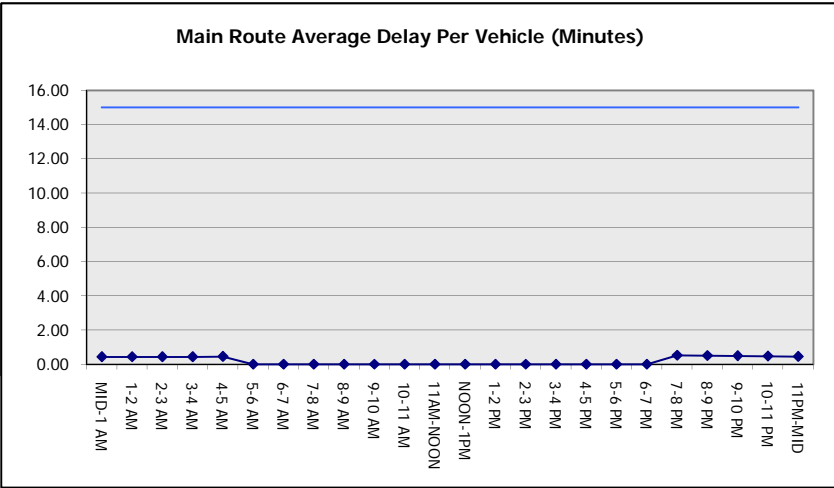
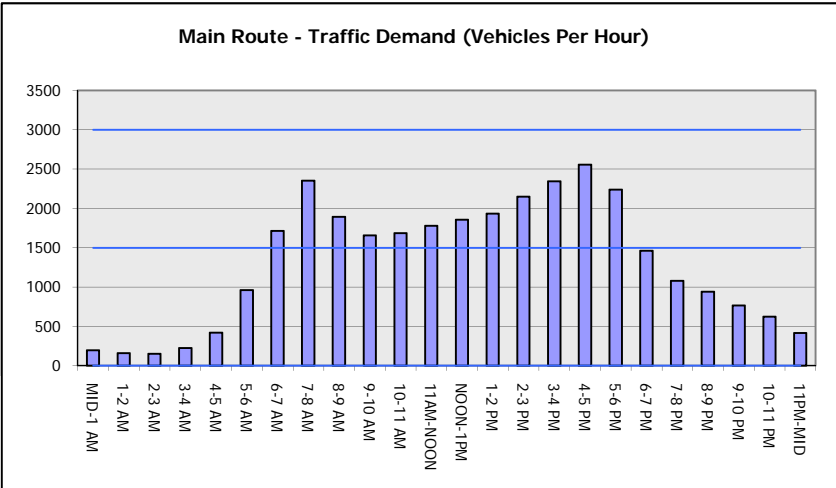
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0070
MAIN ROUTE WITH WORKS	0.0067
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$503
CONGESTED HOURS PER DAY*	0

*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	204	0.0	1500	204	0	0.44	0	66.0	48.9	44.6
1-2 AM	153	0.0	1500	153	0	0.44	0	66.1	49.1	44.9
2-3 AM	141	0.0	1500	141	0	0.44	0	66.1	49.2	44.9
3-4 AM	174	0.0	1500	174	0	0.44	0	66.1	49.1	44.8
4-5 AM	292	0.0	1500	292	0	0.45	0	65.8	48.6	44.3
5-6 AM	796	0.0	OFF	796	0	0.00	0	64.9	64.9	64.9
6-7 AM	1432	0.0	OFF	1432	0	0.00	0	63.7	63.7	63.7
7-8 AM	1967	0.0	OFF	1967	0	0.00	0	62.7	62.7	62.7
8-9 AM	1494	0.0	OFF	1494	0	0.00	0	63.6	63.6	63.6
9-10 AM	1465	0.0	OFF	1465	0	0.00	0	63.7	63.7	63.7
10-11 AM	1575	0.0	OFF	1575	0	0.00	0	63.5	63.5	63.5
11AM-NOON	1618	0.0	OFF	1618	0	0.00	0	63.3	63.3	63.3
NOON-1PM	1630	0.0	OFF	1630	0	0.00	0	63.3	63.3	63.3
1-2 PM	1708	0.0	OFF	1708	0	0.00	0	63.2	63.2	63.2
2-3 PM	1876	0.0	OFF	1876	0	0.00	0	62.9	62.9	62.9
3-4 PM	2120	0.0	OFF	2120	0	0.00	0	62.4	62.4	62.4
4-5 PM	2393	0.0	OFF	2393	0	0.00	0	61.9	61.9	61.9
5-6 PM	2264	0.0	OFF	2264	0	0.00	0	62.2	62.2	62.2
6-7 PM	1550	0.0	OFF	1550	0	0.00	0	63.5	63.5	63.5
7-8 PM	1112	0.0	1500	1112	0	0.53	0	64.3	45.7	41.3
8-9 PM	909	0.0	1500	909	0	0.51	0	64.7	46.4	42.0
9-10 PM	711	0.0	1500	711	0	0.49	0	65.1	47.1	42.7
10-11 PM	511	0.0	1500	511	0	0.47	0	65.5	47.8	43.5
11PM-MID	356	0.0	1500	356	0	0.46	0	65.7	48.4	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	0.0063
MAIN ROUTE WITH WORKS	0.0060
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$461
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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