

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

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	286	0.0	1500	286	0	0.45	0	65.8	48.6	44.3
1-2 AM	182	0.0	1500	182	0	0.44	0	66.1	49.1	44.8
2-3 AM	150	0.0	1500	150	0	0.44	0	66.1	49.2	44.9
3-4 AM	121	0.0	1500	121	0	0.43	0	66.1	49.2	45.0
4-5 AM	210	0.0	1500	210	0	0.44	0	66.0	48.9	44.6
5-6 AM	340	0.0	1500	340	0	0.46	0	65.8	48.4	44.2
6-7 AM	610	0.0	1500	610	0	0.48	0	65.3	47.4	43.1
7-8 AM	997	0.0	1499	997	0	0.52	0	64.5	46.1	41.7
8-9 AM	1531	0.0	OFF	1531	0	0.00	0	63.5	63.5	63.5
9-10 AM	1814	0.0	OFF	1814	0	0.00	0	63.0	63.0	63.0
10-11 AM	2092	0.0	OFF	2092	0	0.00	0	62.5	62.5	62.5
11AM-NOON	2163	0.0	OFF	2163	0	0.00	0	62.3	62.3	62.3
NOON-1PM	2136	0.0	OFF	2136	0	0.00	0	62.4	62.4	62.4
1-2 PM	2036	0.0	OFF	2036	0	0.00	0	62.6	62.6	62.6
2-3 PM	2006	0.0	OFF	2006	0	0.00	0	62.7	62.7	62.7
3-4 PM	1846	0.0	OFF	1846	0	0.00	0	63.0	63.0	63.0
4-5 PM	1751	0.0	OFF	1751	0	0.00	0	63.1	63.1	63.1
5-6 PM	1533	0.0	OFF	1533	0	0.00	0	63.5	63.5	63.5
6-7 PM	1247	0.0	1500	1247	0	0.70	0	64.1	41.8	37.0
7-8 PM	1105	0.0	1500	1105	0	0.53	0	64.3	45.8	41.3
8-9 PM	954	0.0	1500	954	0	0.51	0	64.6	46.3	41.9
9-10 PM	917	0.0	1500	917	0	0.51	0	64.6	46.4	42.0
10-11 PM	1018	0.0	1500	1018	0	0.52	0	64.5	46.0	41.6
11PM-MID	1039	0.0	1500	1039	0	0.52	0	64.5	46.0	41.5

"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

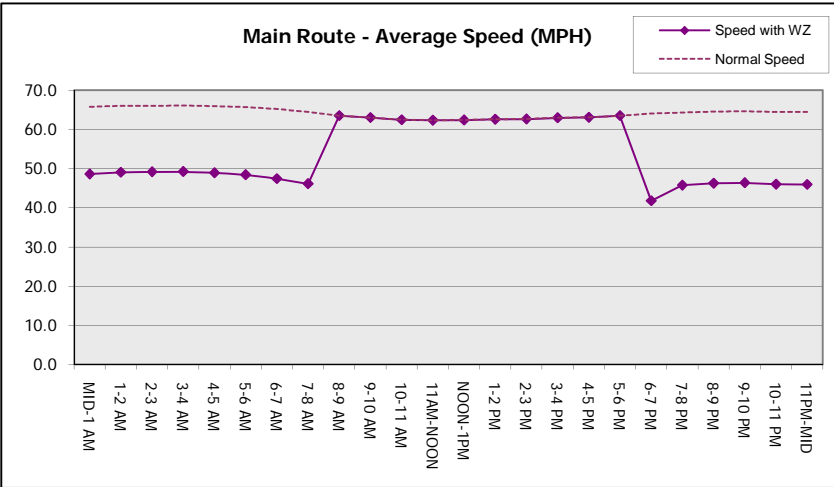
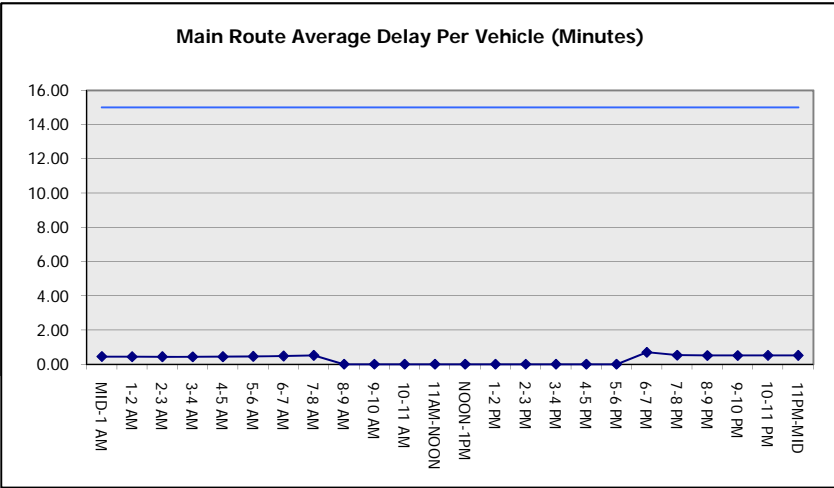
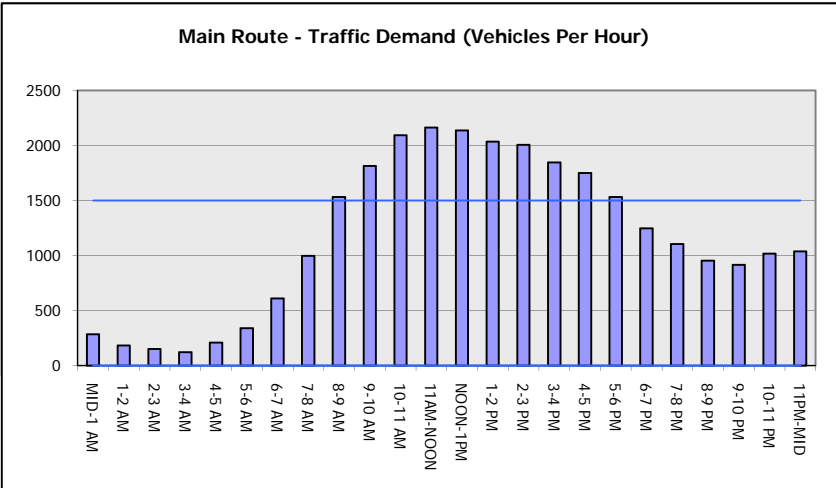
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0062
MAIN ROUTE WITH WORKS	0.0056
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,162
CONGESTED HOURS PER DAY*	0

*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	332	0.0	1500	332	0	0.45	0	65.8	48.5	44.2
1-2 AM	221	0.0	1500	221	0	0.44	0	66.0	48.9	44.6
2-3 AM	148	0.0	1500	148	0	0.44	0	66.1	49.2	44.9
3-4 AM	141	0.0	1500	141	0	0.44	0	66.1	49.2	44.9
4-5 AM	172	0.0	1500	172	0	0.44	0	66.1	49.1	44.8
5-6 AM	350	0.0	1500	350	0	0.46	0	65.8	48.4	44.1
6-7 AM	515	0.0	1500	515	0	0.47	0	65.5	47.8	43.5
7-8 AM	807	0.0	1500	807	0	0.50	0	64.9	46.8	42.4
8-9 AM	1144	0.0	OFF	1144	0	0.00	0	64.3	64.3	64.3
9-10 AM	1565	0.0	OFF	1565	0	0.00	0	63.5	63.5	63.5
10-11 AM	1992	0.0	OFF	1992	0	0.00	0	62.7	62.7	62.7
11AM-NOON	2145	0.0	OFF	2145	0	0.00	0	62.4	62.4	62.4
NOON-1PM	2166	0.0	OFF	2166	0	0.00	0	62.3	62.3	62.3
1-2 PM	2185	0.0	OFF	2185	0	0.00	0	62.3	62.3	62.3
2-3 PM	2125	0.0	OFF	2125	0	0.00	0	62.4	62.4	62.4
3-4 PM	2073	0.0	OFF	2073	0	0.00	0	62.5	62.5	62.5
4-5 PM	1976	0.0	OFF	1976	0	0.00	0	62.7	62.7	62.7
5-6 PM	1785	0.0	OFF	1785	0	0.00	0	63.0	63.0	63.0
6-7 PM	1359	0.0	1500	1359	0	0.84	0	63.8	38.9	34.0
7-8 PM	1035	0.0	1500	1035	0	0.52	0	64.5	46.0	41.5
8-9 PM	904	0.0	1500	904	0	0.51	0	64.7	46.5	42.0
9-10 PM	776	0.0	1500	776	0	0.50	0	65.0	46.9	42.5
10-11 PM	636	0.0	1500	636	0	0.48	0	65.2	47.4	43.0
11PM-MID	443	0.0	1500	443	0	0.47	0	65.6	48.1	43.7

"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	0.0060
MAIN ROUTE WITH WORKS	0.0055
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,026
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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