

USH 41: 9TH AVE TO STH 44 (WINNEBAGO COUNTY) OFF-PEAK DAY 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	265	0.0	OFF	265	0	0.00	0	65.9	65.9	65.9
1-2 AM	166	0.0	OFF	166	0	0.00	0	66.1	66.1	66.1
2-3 AM	134	0.0	OFF	134	0	0.00	0	66.1	66.1	66.1
3-4 AM	116	0.0	OFF	116	0	0.00	0	66.2	66.2	66.2
4-5 AM	212	0.0	OFF	212	0	0.00	0	66.0	66.0	66.0
5-6 AM	327	0.0	OFF	327	0	0.00	0	65.8	65.8	65.8
6-7 AM	588	0.0	OFF	588	0	0.00	0	65.3	65.3	65.3
7-8 AM	980	0.0	OFF	980	0	0.00	0	64.6	64.6	64.6
8-9 AM	1430	0.0	1499	1430	0	0.97	1	63.7	36.6	32.5
9-10 AM	1640	0.0	1500	1640	0	3.00	62	63.3	19.9	30.8
10-11 AM	1855	0.0	1500	1843	12	12.18+	314	62.9	9.2	30.8
11AM-NOON	1851	0.0	1500	1465	385	17.23+	437	62.9	7.8	30.8
NOON-1PM	1819	0.0	1499	1497	322	17.31+	439	63.0	7.8	30.8
1-2 PM	1757	0.0	1499	1497	260	17.31+	439	63.1	7.8	30.8
2-3 PM	1827	0.0	1499	1498	329	17.31+	439	63.0	7.8	30.8
3-4 PM	1831	0.0	1499	1499	333	17.31+	439	63.0	7.8	30.8
4-5 PM	1658	0.0	1499	1499	160	17.30+	439	63.3	7.8	30.8
5-6 PM	1487	0.0	1499	1466	22	17.05+	432	63.6	7.9	30.8
6-7 PM	1216	0.0	OFF	1216	0	0.47	30	64.1	47.3	47.3
7-8 PM	994	0.0	OFF	994	0	0.00	0	64.5	64.5	64.5
8-9 PM	906	0.0	OFF	906	0	0.00	0	64.7	64.7	64.7
9-10 PM	772	0.0	OFF	772	0	0.00	0	65.0	65.0	65.0
10-11 PM	616	0.0	OFF	616	0	0.00	0	65.3	65.3	65.3
11PM-MID	364	0.0	OFF	364	0	0.00	0	65.7	65.7	65.7

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

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- 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	0.0055
MAIN ROUTE WITH WORKS	0.0041
'DIVERSION'	0.0009
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$66,087
CONGESTED HOURS PER DAY*	8

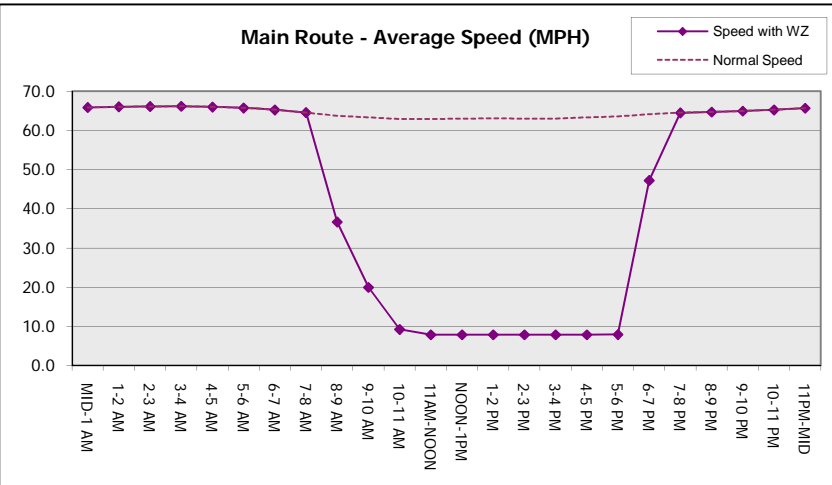
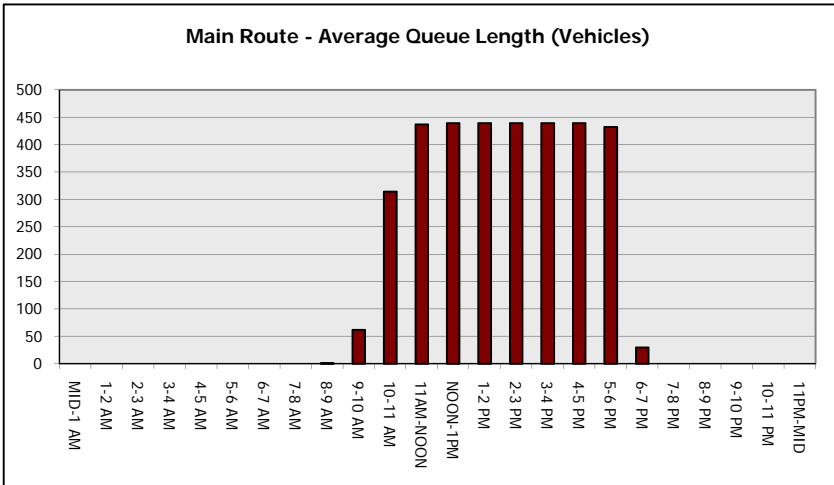
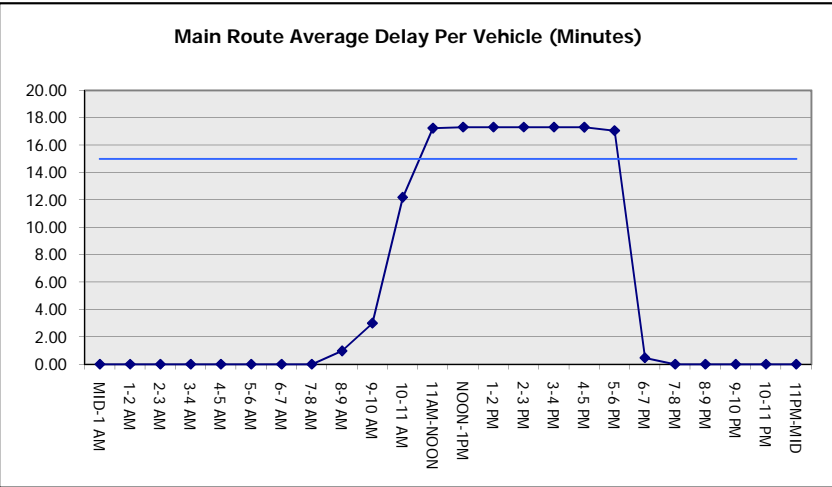
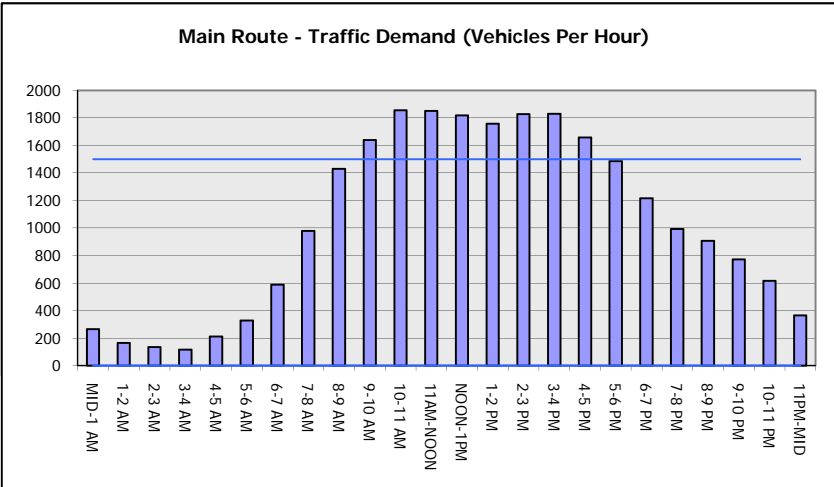
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY SOUTHBOUND DIRECTION



USH 41: 9TH AVE TO STH 44 (WINNEBAGO COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	301	0.0	OFF	301	0	0.00	0	65.8	65.8	65.8
1-2 AM	189	0.0	OFF	189	0	0.00	0	66.0	66.0	66.0
2-3 AM	154	0.0	OFF	154	0	0.00	0	66.1	66.1	66.1
3-4 AM	125	0.0	OFF	125	0	0.00	0	66.1	66.1	66.1
4-5 AM	169	0.0	OFF	169	0	0.00	0	66.1	66.1	66.1
5-6 AM	372	0.0	OFF	372	0	0.00	0	65.7	65.7	65.7
6-7 AM	600	0.0	OFF	600	0	0.00	0	65.3	65.3	65.3
7-8 AM	987	0.0	OFF	987	0	0.00	0	64.5	64.5	64.5
8-9 AM	1307	0.0	1499	1307	0	0.77	0	64.0	40.3	35.4
9-10 AM	1607	0.0	1499	1607	0	2.09	36	63.4	24.7	30.8
10-11 AM	1863	0.0	1500	1863	0	10.71+	278	62.9	9.8	30.8
11AM-NOON	1924	0.0	1499	1493	431	17.32+	440	62.8	7.8	30.8
NOON-1PM	1898	0.0	1499	1495	404	17.32+	440	62.8	7.8	30.8
1-2 PM	1861	0.0	1499	1496	365	17.31+	440	62.9	7.8	30.8
2-3 PM	1761	0.0	1499	1497	265	17.31+	439	63.1	7.8	30.8
3-4 PM	1657	0.0	1499	1497	160	17.30+	439	63.3	7.8	30.8
4-5 PM	1656	0.0	1499	1498	158	17.30+	439	63.3	7.8	30.8
5-6 PM	1495	0.0	1499	1466	28	17.07+	432	63.6	7.9	30.8
6-7 PM	1216	0.0	OFF	1216	0	0.47	30	64.1	47.1	47.1
7-8 PM	1010	0.0	OFF	1010	0	0.00	0	64.5	64.5	64.5
8-9 PM	839	0.0	OFF	839	0	0.00	0	64.8	64.8	64.8
9-10 PM	767	0.0	OFF	767	0	0.00	0	65.0	65.0	65.0
10-11 PM	614	0.0	OFF	614	0	0.00	0	65.3	65.3	65.3
11PM-MID	397	0.0	OFF	397	0	0.00	0	65.6	65.6	65.6

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

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- 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	0.0055
MAIN ROUTE WITH WORKS	0.0041
'DIVERSION'	0.0009

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$64,987
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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