

USH 41: 9TH AVE TO STH 44 (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) 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	1499	961	0	0.52	0	64.6	46.1	41.7	
6-7 AM	1714	0.0	1499	1714	0	2.57	63	63.2	22.4	30.8	
7-8 AM	2351	0.0	1500	1767	584	16.32+	418	62.0	8.0	30.8	
8-9 AM	1892	0.0	1499	1481	411	17.28+	439	62.8	7.8	30.8	
9-10 AM	1657	0.0	1499	1490	168	17.28+	438	63.3	7.8	30.8	
10-11 AM	1684	0.0	1499	1497	187	17.30+	439	63.2	7.8	30.8	
11AM-NOON	1777	0.0	1499	1498	279	17.31+	439	63.1	7.8	30.8	
NOON-1PM	1855	0.0	1499	1498	356	17.31+	440	62.9	7.8	30.8	
1-2 PM	1934	0.0	1499	1499	435	17.32+	440	62.8	7.8	30.8	
2-3 PM	2149	0.0	1499	1499	650	17.33+	441	62.4	7.8	30.8	
3-4 PM	2343	0.0	1499	1500	843	17.35+	442	62.0	7.8	30.8	
4-5 PM	2556	0.0	1499	1500	1056	17.31+	442	60.3	7.8	30.8	
5-6 PM	2239	0.0	1500	1500	739	17.34+	441	62.2	7.8	30.8	
6-7 PM	1463	0.0	1500	1408	54	16.49+	417	63.7	7.9	30.8	
7-8 PM	1079	0.0	1499	1079	0	4.17	161	64.4	18.0	36.2	
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	

+ 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

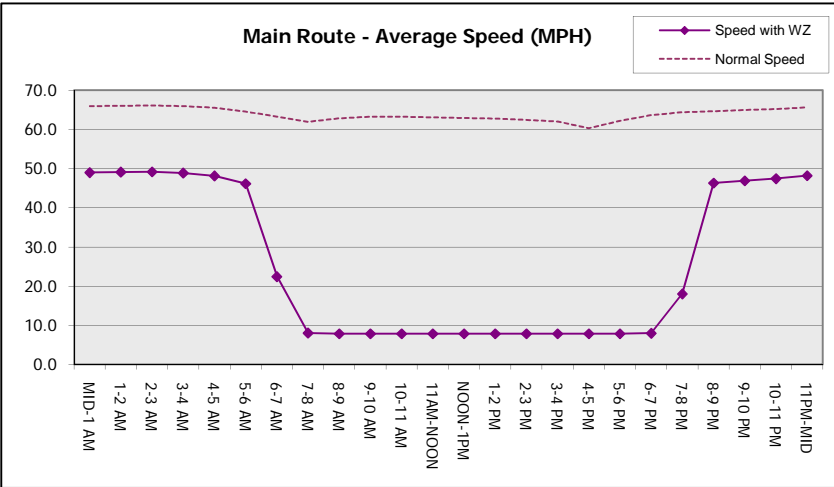
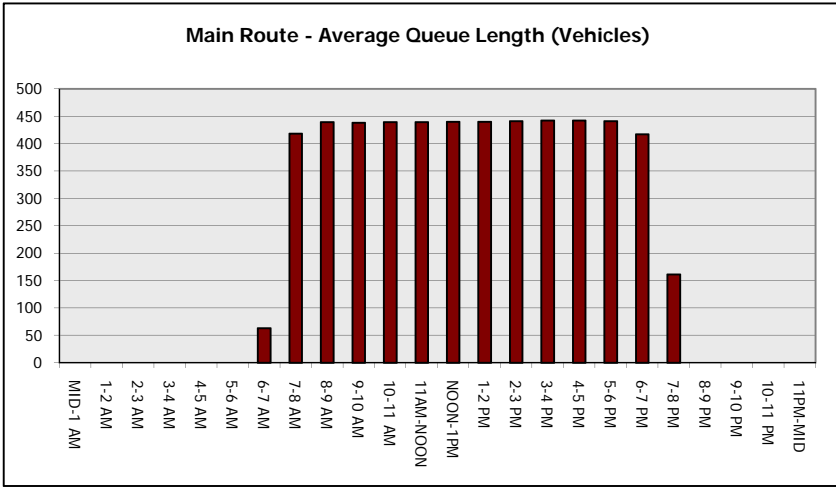
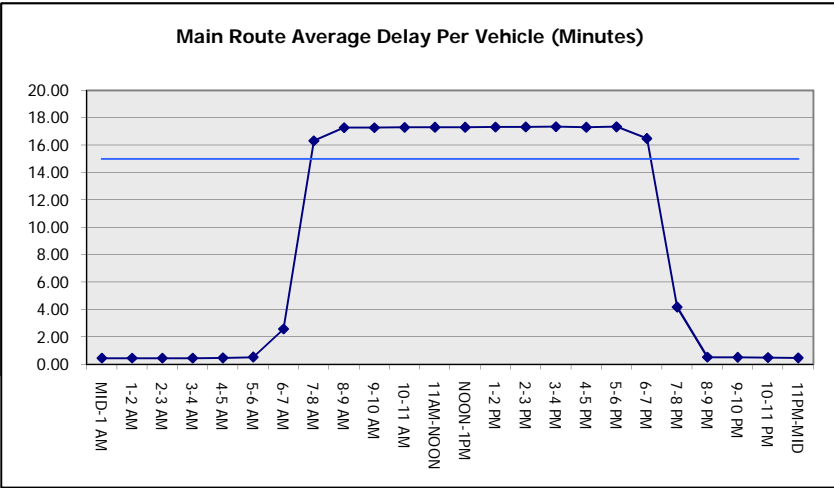
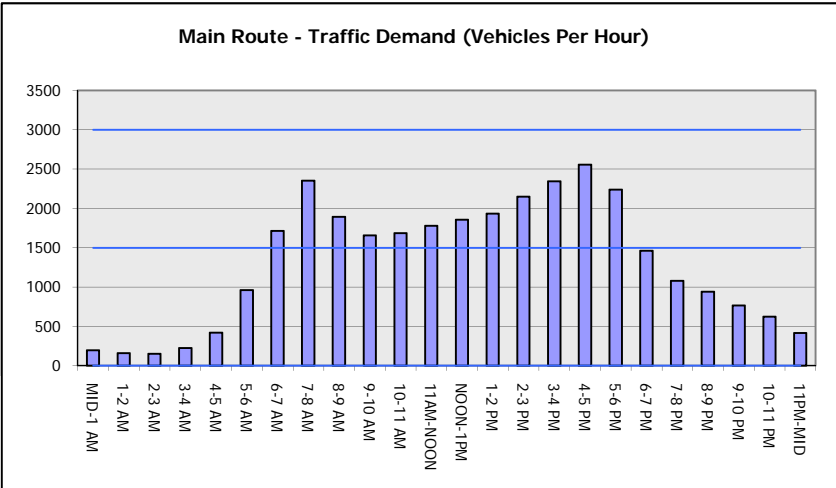
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0070
MAIN ROUTE WITH WORKS	0.0040
'DIVERSION'	0.0030
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$93,486
CONGESTED HOURS PER DAY*	12

*Delays Exceeding User-Specified Maximum

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



USH 41: 9TH AVE TO STH 44 (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	1500	796	0	0.50	0	64.9	46.8	42.4
6-7 AM	1432	0.0	1499	1432	0	1.15	9	63.7	34.0	33.3
7-8 AM	1967	0.0	1500	1967	0	9.94+	270	62.7	10.3	30.8
8-9 AM	1494	0.0	1499	1343	151	15.57+	393	63.6	8.1	30.8
9-10 AM	1465	0.0	1500	1465	0	13.22	329	63.7	8.8	30.8
10-11 AM	1575	0.0	1500	1575	0	13.85+	346	63.5	8.6	30.8
11AM-NOON	1618	0.0	1500	1555	63	16.88+	428	63.3	7.9	30.8
NOON-1PM	1630	0.0	1499	1499	131	17.30+	439	63.3	7.8	30.8
1-2 PM	1708	0.0	1499	1499	209	17.30+	439	63.2	7.8	30.8
2-3 PM	1876	0.0	1499	1500	376	17.31+	440	62.9	7.8	30.8
3-4 PM	2120	0.0	1499	1500	620	17.33+	441	62.4	7.8	30.8
4-5 PM	2393	0.0	1499	1500	893	17.35+	442	61.9	7.8	30.8
5-6 PM	2264	0.0	1500	1500	764	17.34+	441	62.2	7.8	30.8
6-7 PM	1550	0.0	1500	1453	97	16.91+	428	63.5	7.9	30.8
7-8 PM	1112	0.0	1499	1112	0	7.70	220	64.3	12.0	34.3
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

+ 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	0.0063
MAIN ROUTE WITH WORKS	0.0039
'DIVERSION'	0.0017

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$79,283
CONGESTED HOURS PER DAY*	11

*Delays Exceeding User-Specified Maximum

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