

USH 41: 9TH AVE TO STH 44 (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	219	0.0	1500	219	0	0.44	0	66.0	48.9	44.6	
1-2 AM	156	0.0	1500	156	0	0.44	0	66.1	49.1	44.8	
2-3 AM	140	0.0	1500	140	0	0.44	0	66.1	49.2	44.9	
3-4 AM	106	0.0	1500	106	0	0.43	0	66.2	49.3	45.1	
4-5 AM	111	0.0	1500	111	0	0.43	0	66.2	49.3	45.0	
5-6 AM	206	0.0	1500	206	0	0.44	0	66.0	48.9	44.6	
6-7 AM	363	0.0	1500	363	0	0.46	0	65.7	48.4	44.0	
7-8 AM	515	0.0	1500	515	0	0.47	0	65.5	47.8	43.5	
8-9 AM	917	0.0	1499	917	0	0.51	0	64.6	46.4	42.0	
9-10 AM	1407	0.0	1499	1407	0	0.97	2	63.8	36.8	33.2	
10-11 AM	1834	0.0	1500	1834	0	6.03	159	63.0	13.4	30.8	
11AM-NOON	1987	0.0	1499	1589	398	16.94+	430	62.7	7.9	30.8	
NOON-1PM	2159	0.0	1500	1502	657	17.33+	441	62.3	7.8	30.8	
1-2 PM	2139	0.0	1500	1501	638	17.33+	441	62.4	7.8	30.8	
2-3 PM	2269	0.0	1500	1501	768	17.34+	441	62.2	7.8	30.8	
3-4 PM	2283	0.0	1500	1501	782	17.34+	441	62.2	7.8	30.8	
4-5 PM	2237	0.0	1500	1501	736	17.34+	441	62.2	7.8	30.8	
5-6 PM	2077	0.0	1500	1500	577	17.33+	440	62.5	7.8	30.8	
6-7 PM	1621	0.0	1500	1500	121	17.29+	439	63.3	7.8	30.8	
7-8 PM	1335	0.0	1499	1335	0	14.95+	377	63.9	8.3	30.8	
8-9 PM	960	0.0	1499	960	0	1.81	82	64.6	28.6	39.3	
9-10 PM	661	0.0	1500	661	0	0.49	0	65.1	47.3	42.9	
10-11 PM	499	0.0	1500	499	0	0.47	0	65.5	47.9	43.5	
11PM-MID	261	0.0	1500	261	0	0.45	0	65.9	48.7	44.5	

+ 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

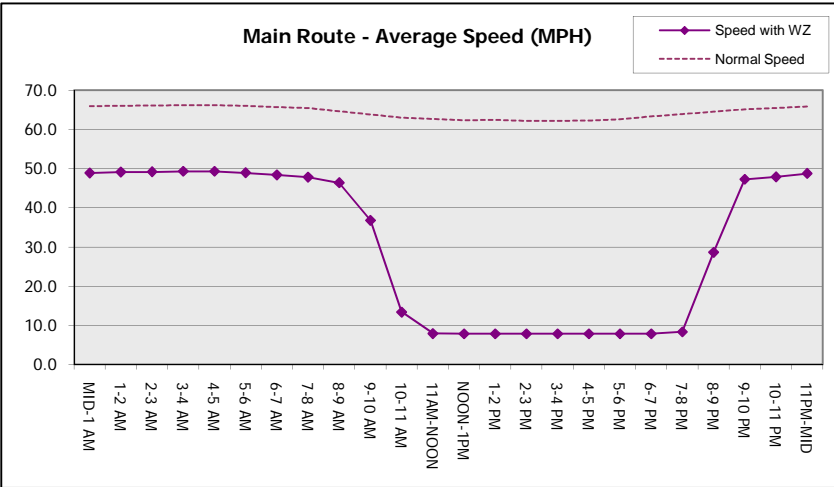
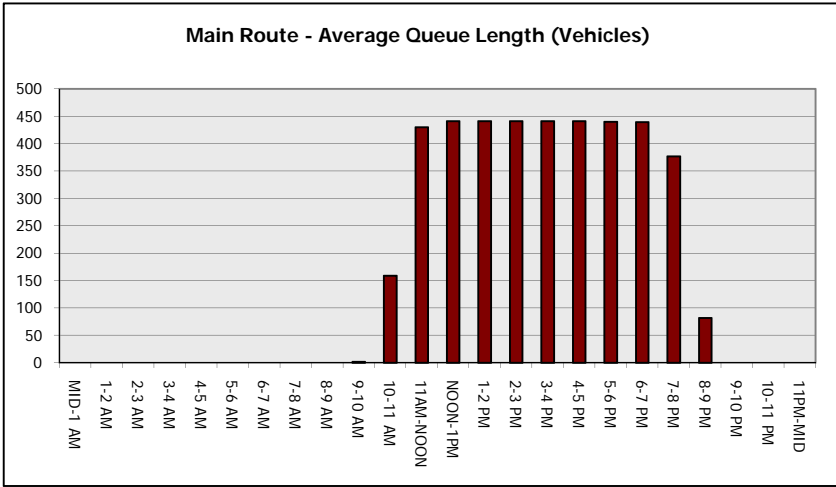
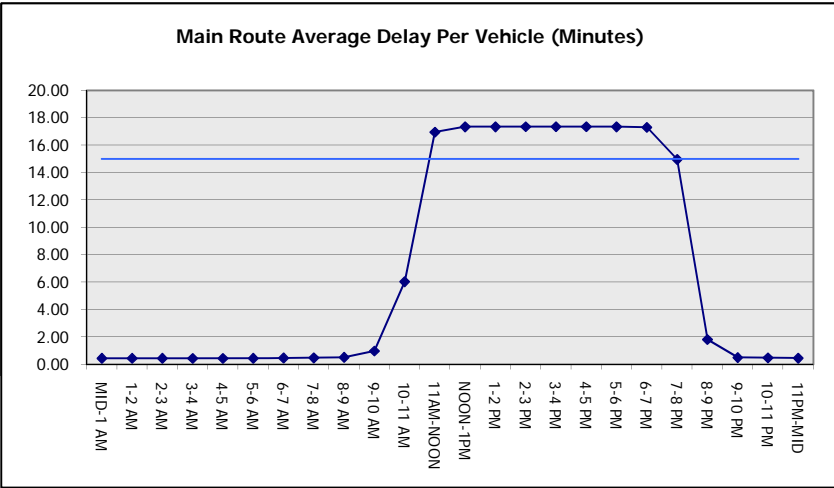
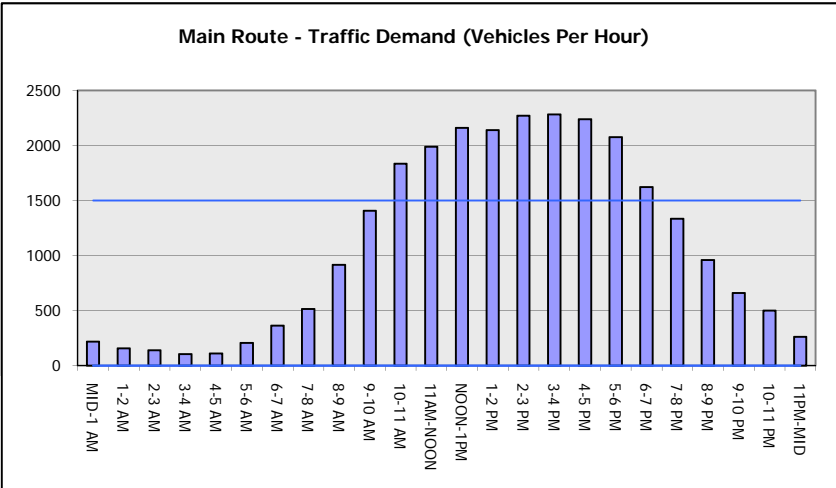
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0059
MAIN ROUTE WITH WORKS	0.0034
'DIVERSION'	0.0024
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$92,233
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



USH 41: 9TH AVE TO STH 44 (WINNEBAGO COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	211	0.0	1500	211	0	0.44	0	66.0	48.9	44.6
1-2 AM	131	0.0	1500	131	0	0.44	0	66.1	49.2	45.0
2-3 AM	111	0.0	1500	111	0	0.43	0	66.2	49.3	45.0
3-4 AM	68	0.0	1500	68	0	0.43	0	66.3	49.5	45.2
4-5 AM	89	0.0	1500	89	0	0.43	0	66.2	49.4	45.1
5-6 AM	234	0.0	1500	234	0	0.45	0	66.0	48.9	44.5
6-7 AM	289	0.0	1500	289	0	0.45	0	65.8	48.6	44.3
7-8 AM	470	0.0	1500	470	0	0.47	0	65.5	47.9	43.6
8-9 AM	679	0.0	1500	679	0	0.49	0	65.1	47.2	42.8
9-10 AM	1014	0.0	1500	1014	0	0.52	0	64.5	46.1	41.6
10-11 AM	1308	0.0	1499	1308	0	0.77	0	64.0	40.2	35.3
11AM-NOON	1530	0.0	1499	1530	0	1.31	9	63.5	31.9	30.9
NOON-1PM	1657	0.0	1500	1657	0	4.95	113	63.3	14.6	30.8
1-2 PM	1583	0.0	1499	1583	0	9.88	240	63.5	10.0	30.8
2-3 PM	1509	0.0	1499	1509	0	11.57	284	63.6	9.3	30.8
3-4 PM	1495	0.0	1499	1495	0	11.54	283	63.6	9.3	30.8
4-5 PM	1506	0.0	1500	1506	0	11.51	282	63.6	9.3	30.8
5-6 PM	1527	0.0	1500	1527	0	12.31	304	63.5	9.0	30.8
6-7 PM	1372	0.0	1499	1372	0	10.69	262	63.8	9.6	30.8
7-8 PM	1100	0.0	1499	1100	0	1.49	50	64.3	30.7	38.3
8-9 PM	882	0.0	1500	882	0	0.51	0	64.8	46.5	42.1
9-10 PM	669	0.0	1500	669	0	0.49	0	65.1	47.3	42.8
10-11 PM	462	0.0	1500	462	0	0.47	0	65.5	48.0	43.7
11PM-MID	272	0.0	1500	272	0	0.45	0	65.9	48.7	44.4

----- 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	0.0045
MAIN ROUTE WITH WORKS	0.0032
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$33,020
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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