

USH 41: STH 125 TO USH 10 (WINNEBAGO AND OUTAGAMIE COUNTIES) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	288	0.0	3000	288	0	0.36	0	70.2	61.8	49.7
1-2 AM	195	0.0	3000	195	0	0.36	0	70.2	61.8	49.7
2-3 AM	211	0.0	3000	211	0	0.36	0	70.2	61.8	49.7
3-4 AM	209	0.0	3000	209	0	0.36	0	70.2	61.8	49.7
4-5 AM	382	0.0	3000	382	0	0.36	0	70.2	61.8	49.7
5-6 AM	1146	0.0	3000	1146	0	0.35	0	69.3	61.4	49.7
6-7 AM	2231	0.0	2999	2231	0	0.37	0	67.9	59.8	48.1
7-8 AM	3412	0.0	2999	3412	0	3.86	201	66.5	27.9	37.3
8-9 AM	2387	0.0	2999	2387	0	2.50	176	67.8	35.5	44.0
9-10 AM	1974	0.0	3000	1974	0	0.34	0	68.3	60.8	49.7
10-11 AM	2080	0.0	3000	2080	0	0.33	0	68.1	60.7	49.7
11AM-NOON	2387	0.0	3000	2387	0	0.33	0	67.8	60.5	49.7
NOON-1PM	2655	0.0	2999	2655	0	0.50	0	67.4	57.1	43.4
1-2 PM	2986	0.0	2999	2986	0	0.80	5	67.0	52.1	37.8
2-3 PM	3100	0.0	3000	3100	0	1.81	62	66.9	40.5	37.3
3-4 PM	3259	0.0	3000	3259	0	4.77	234	66.7	24.6	37.3
4-5 PM	3629	0.0	3000	3478	150	12.60+	675	66.1	13.2	37.3
5-6 PM	3241	0.0	3000	2992	250	16.10+	847	66.7	11.7	37.3
6-7 PM	2163	0.0	2999	2163	0	7.60+	482	68.1	18.8	43.0
7-8 PM	1632	0.0	3000	1632	0	0.34	0	68.7	61.0	49.7
8-9 PM	1554	0.0	3000	1554	0	0.34	0	68.8	61.1	49.7
9-10 PM	1431	0.0	3000	1431	0	0.34	0	68.9	61.2	49.7
10-11 PM	1060	0.0	3000	1060	0	0.35	0	69.4	61.4	49.7
11PM-MID	636	0.0	3000	636	0	0.36	0	69.9	61.7	49.7

+ 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	0.0218
MAIN ROUTE WITH WORKS	0.0187
'DIVERSION'	0.0005
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$37,809
CONGESTED HOURS PER DAY*	3

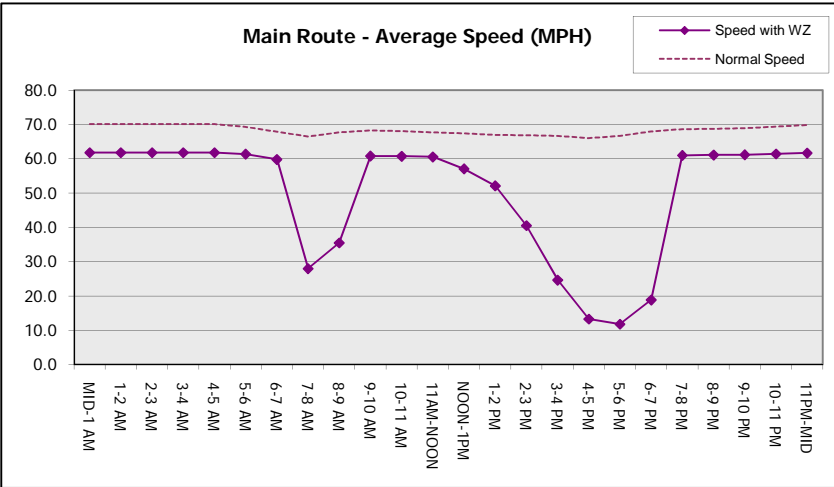
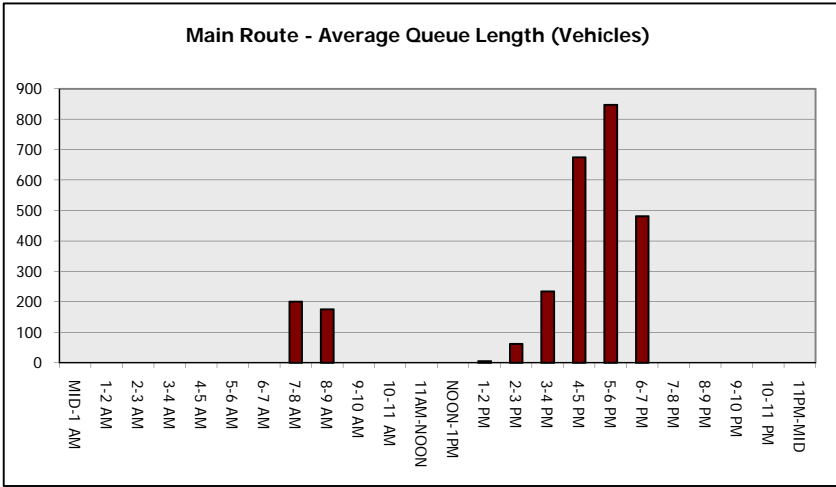
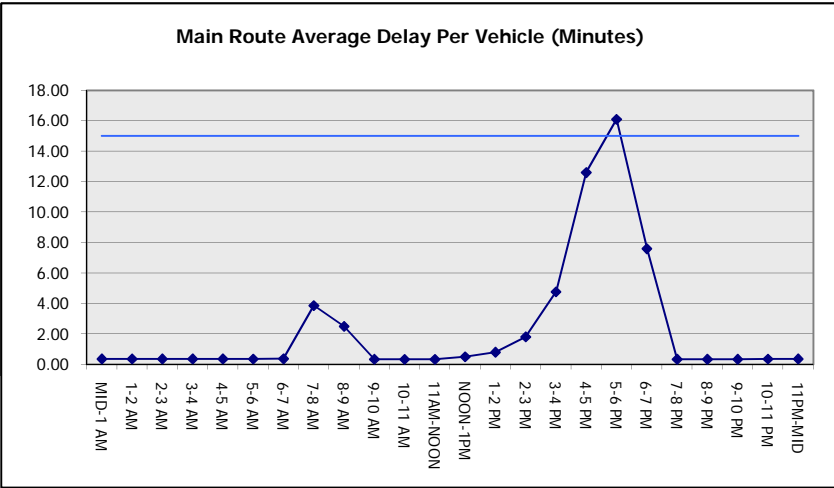
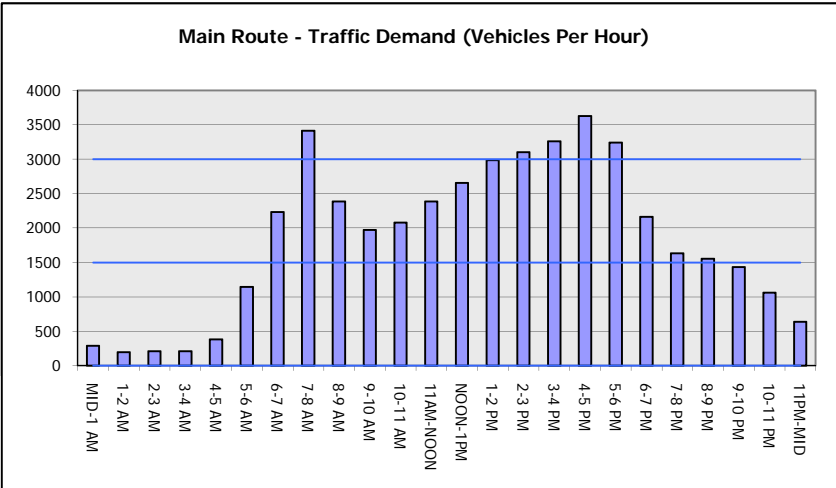
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	315	0.0	3000	315	0	0.36	0	70.2	61.8	49.7
1-2 AM	241	0.0	3000	241	0	0.36	0	70.2	61.8	49.7
2-3 AM	202	0.0	3000	202	0	0.36	0	70.2	61.8	49.7
3-4 AM	185	0.0	3000	185	0	0.36	0	70.2	61.8	49.7
4-5 AM	384	0.0	3000	384	0	0.36	0	70.2	61.8	49.7
5-6 AM	868	0.0	3000	868	0	0.35	0	69.7	61.5	49.7
6-7 AM	1780	0.0	3000	1780	0	0.34	0	68.5	60.9	49.7
7-8 AM	3042	0.0	2999	3042	0	0.97	15	66.9	49.6	37.6
8-9 AM	2449	0.0	3000	2449	0	0.45	4	67.7	58.2	47.5
9-10 AM	2259	0.0	3000	2259	0	0.33	0	67.9	60.6	49.7
10-11 AM	2487	0.0	3000	2487	0	0.39	0	67.6	59.2	47.1
11AM-NOON	2728	0.0	3000	2728	0	0.55	0	67.3	56.1	41.9
NOON-1PM	2809	0.0	3000	2809	0	0.60	0	67.3	55.2	40.4
1-2 PM	2789	0.0	2999	2789	0	0.59	0	67.3	55.5	40.8
2-3 PM	3287	0.0	2999	3287	0	2.46	113	66.6	35.5	37.3
3-4 PM	3755	0.0	3000	3627	128	11.27+	617	65.2	14.2	37.3
4-5 PM	4186	0.0	2999	2944	1242	16.10+	861	62.2	11.6	37.3
5-6 PM	3620	0.0	3000	2998	623	16.11+	850	66.1	11.7	37.3
6-7 PM	2792	0.0	2999	2781	11	15.01+	788	67.3	12.1	37.3
7-8 PM	2144	0.0	2999	2144	0	3.27	269	68.1	31.1	44.8
8-9 PM	1619	0.0	3000	1619	0	0.34	0	68.7	61.0	49.7
9-10 PM	1225	0.0	3000	1225	0	0.35	0	69.2	61.3	49.7
10-11 PM	983	0.0	3000	983	0	0.35	0	69.5	61.5	49.7
11PM-MID	696	0.0	3000	696	0	0.36	0	69.9	61.7	49.7

+ 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	0.0231
MAIN ROUTE WITH WORKS	0.0192
'DIVERSION'	0.0023

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$54,887
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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