

USH 41: STH 125 TO USH 10 (WINNEBAGO AND OUTAGAMIE COUNTIES) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	245	0.0	OFF	245	0	0.00	0	70.2	70.2	70.2
1-2 AM	163	0.0	OFF	163	0	0.00	0	70.2	70.2	70.2
2-3 AM	162	0.0	OFF	162	0	0.00	0	70.2	70.2	70.2
3-4 AM	185	0.0	OFF	185	0	0.00	0	70.2	70.2	70.2
4-5 AM	399	0.0	OFF	399	0	0.00	0	70.2	70.2	70.2
5-6 AM	1213	0.0	OFF	1213	0	0.00	0	69.2	69.2	69.2
6-7 AM	2315	0.0	OFF	2315	0	0.00	0	67.9	67.9	67.9
7-8 AM	3465	0.0	OFF	3465	0	0.00	0	66.4	66.4	66.4
8-9 AM	2318	0.0	OFF	2318	0	0.00	0	67.9	67.9	67.9
9-10 AM	1839	0.0	OFF	1839	0	0.00	0	68.4	68.4	68.4
10-11 AM	1891	0.0	1499	1891	0	6.92	187	68.4	19.3	30.8
11AM-NOON	2094	0.0	1499	1500	594	16.35+	399	68.1	9.7	30.8
NOON-1PM	2286	0.0	1500	1500	786	16.34+	400	67.9	9.7	30.8
1-2 PM	2524	0.0	1500	1500	1024	16.33+	400	67.6	9.7	30.8
2-3 PM	2729	0.0	1500	1500	1229	16.32+	400	67.3	9.7	30.8
3-4 PM	2875	0.0	OFF	2875	0	0.26	24	67.1	61.3	61.3
4-5 PM	3365	0.0	OFF	3365	0	0.00	0	66.6	66.6	66.6
5-6 PM	3131	0.0	OFF	3131	0	0.00	0	66.8	66.8	66.8
6-7 PM	2000	0.0	OFF	2000	0	0.00	0	68.2	68.2	68.2
7-8 PM	1514	0.0	OFF	1514	0	0.00	0	68.9	68.9	68.9
8-9 PM	1410	0.0	OFF	1410	0	0.00	0	69.0	69.0	69.0
9-10 PM	1207	0.0	OFF	1207	0	0.00	0	69.2	69.2	69.2
10-11 PM	786	0.0	OFF	786	0	0.00	0	69.7	69.7	69.7
11PM-MID	410	0.0	OFF	410	0	0.00	0	70.2	70.2	70.2

"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	0.0200
MAIN ROUTE WITH WORKS	0.0177
'DIVERSION'	0.0042
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$37,752
CONGESTED HOURS PER DAY*	4

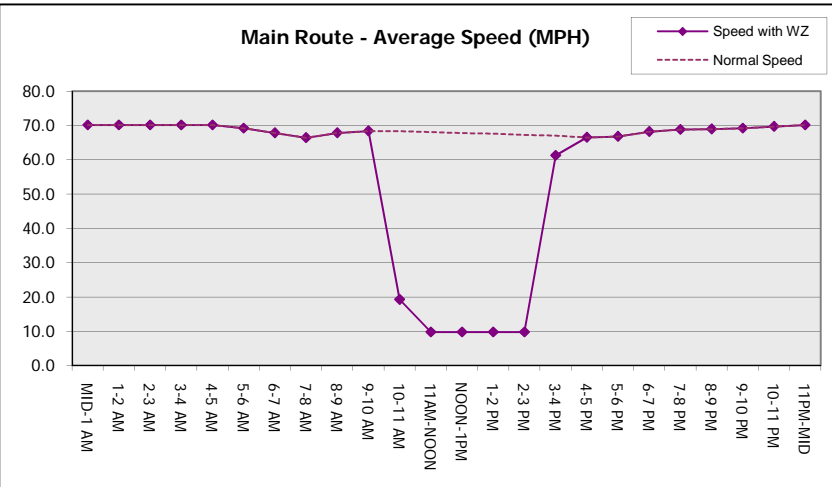
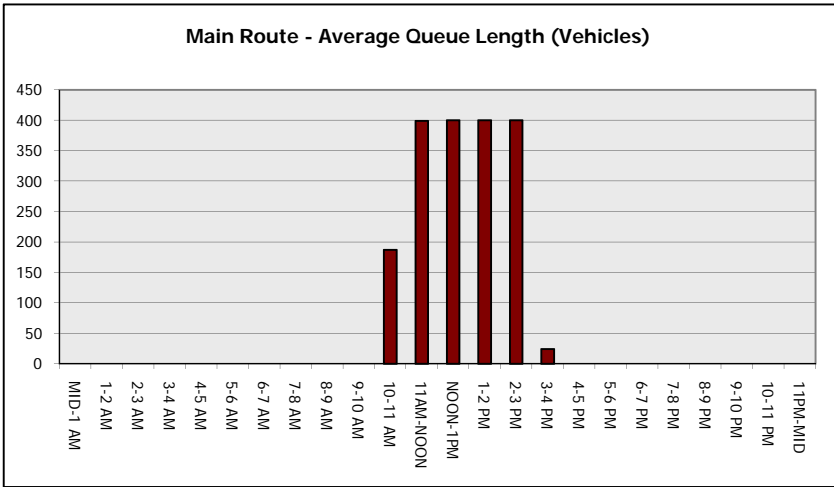
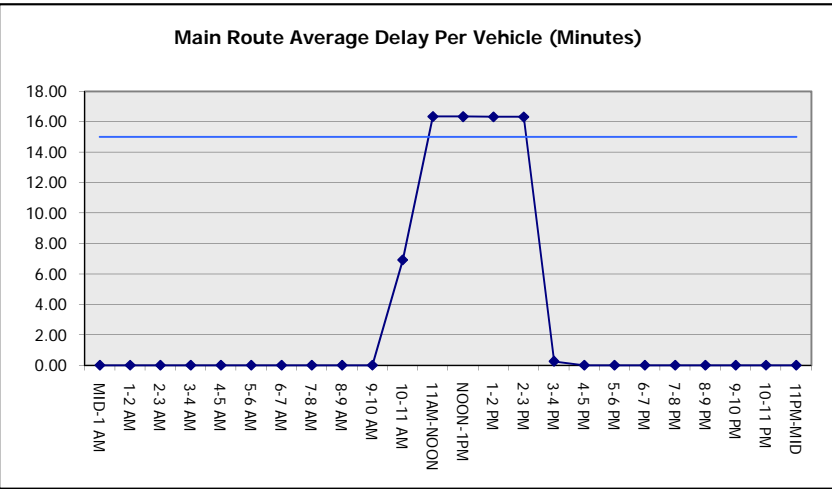
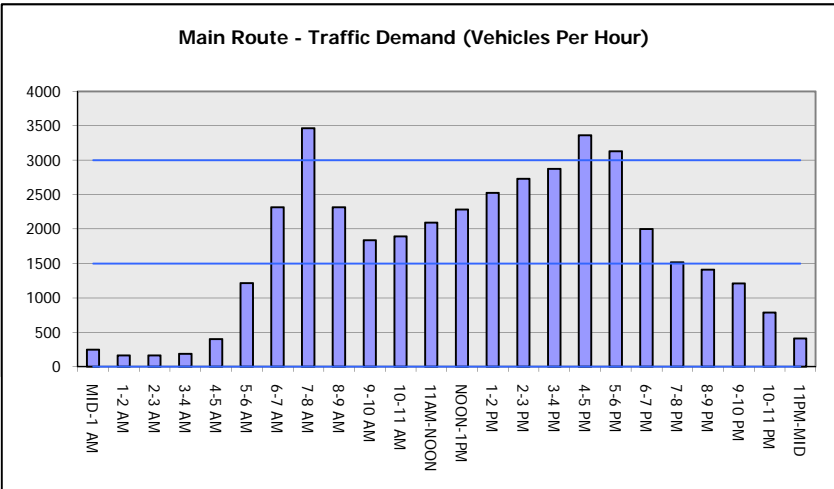
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR SOUTHBOUND DIRECTION



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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	239	0.0	OFF	239	0	0.00	0	70.2	70.2	70.2
1-2 AM	165	0.0	OFF	165	0	0.00	0	70.2	70.2	70.2
2-3 AM	142	0.0	OFF	142	0	0.00	0	70.2	70.2	70.2
3-4 AM	148	0.0	OFF	148	0	0.00	0	70.2	70.2	70.2
4-5 AM	321	0.0	OFF	321	0	0.00	0	70.2	70.2	70.2
5-6 AM	926	0.0	OFF	926	0	0.00	0	69.6	69.6	69.6
6-7 AM	1850	0.0	OFF	1850	0	0.00	0	68.4	68.4	68.4
7-8 AM	2988	0.0	OFF	2988	0	0.00	0	67.0	67.0	67.0
8-9 AM	2357	0.0	OFF	2357	0	0.00	0	67.8	67.8	67.8
9-10 AM	2035	0.0	OFF	2035	0	0.00	0	68.2	68.2	68.2
10-11 AM	2099	0.0	1499	1895	204	9.54+	260	68.1	15.2	30.8
11AM-NOON	2262	0.0	1499	1500	762	16.34+	399	67.9	9.7	30.8
NOON-1PM	2290	0.0	1500	1500	790	16.34+	400	67.9	9.7	30.8
1-2 PM	2308	0.0	1500	1500	808	16.34+	400	67.9	9.7	30.8
2-3 PM	2671	0.0	1500	1500	1171	16.32+	400	67.4	9.7	30.8
3-4 PM	3295	0.0	OFF	3295	0	0.33	28	66.6	59.6	59.6
4-5 PM	3886	0.0	OFF	3886	0	0.00	0	64.3	64.3	64.3
5-6 PM	3362	0.0	OFF	3362	0	0.00	0	66.6	66.6	66.6
6-7 PM	2157	0.0	OFF	2157	0	0.00	0	68.1	68.1	68.1
7-8 PM	1400	0.0	OFF	1400	0	0.00	0	69.0	69.0	69.0
8-9 PM	1151	0.0	OFF	1151	0	0.00	0	69.3	69.3	69.3
9-10 PM	901	0.0	OFF	901	0	0.00	0	69.6	69.6	69.6
10-11 PM	715	0.0	OFF	715	0	0.00	0	69.9	69.9	69.9
11PM-MID	447	0.0	OFF	447	0	0.00	0	70.2	70.2	70.2

"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	0.0198
MAIN ROUTE WITH WORKS	0.0174
'DIVERSION'	0.0043

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$38,990
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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MON-THUR NORTHBOUND DIRECTION

