

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

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	395	0.0	OFF	395	0	0.00	0	70.2	70.2	70.2
1-2 AM	254	0.0	OFF	254	0	0.00	0	70.2	70.2	70.2
2-3 AM	225	0.0	OFF	225	0	0.00	0	70.2	70.2	70.2
3-4 AM	154	0.0	OFF	154	0	0.00	0	70.2	70.2	70.2
4-5 AM	226	0.0	OFF	226	0	0.00	0	70.2	70.2	70.2
5-6 AM	392	0.0	OFF	392	0	0.00	0	70.2	70.2	70.2
6-7 AM	667	0.0	OFF	667	0	0.00	0	69.9	69.9	69.9
7-8 AM	1082	0.0	OFF	1082	0	0.00	0	69.4	69.4	69.4
8-9 AM	1472	0.0	1499	1472	0	1.24	5	68.9	47.3	31.9
9-10 AM	1690	0.0	1500	1690	0	4.53	102	68.6	25.7	30.8
10-11 AM	2018	0.0	1500	1735	283	14.78+	365	68.2	10.6	30.8
11AM-NOON	2077	0.0	1500	1500	577	16.35+	400	68.1	9.7	30.8
NOON-1PM	2235	0.0	1500	1500	735	16.34+	400	67.9	9.7	30.8
1-2 PM	2202	0.0	1500	1500	702	16.34+	400	68.0	9.7	30.8
2-3 PM	2283	0.0	1500	1500	783	16.34+	400	67.9	9.7	30.8
3-4 PM	2304	0.0	1500	1500	804	16.34+	400	67.9	9.7	30.8
4-5 PM	2174	0.0	1500	1500	674	16.34+	400	68.1	9.7	30.8
5-6 PM	2117	0.0	1500	1500	617	16.35+	400	68.1	9.7	30.8
6-7 PM	1704	0.0	OFF	1704	0	0.26	23	68.6	62.7	62.7
7-8 PM	1459	0.0	OFF	1459	0	0.00	0	68.9	68.9	68.9
8-9 PM	1372	0.0	OFF	1372	0	0.00	0	69.1	69.1	69.1
9-10 PM	1319	0.0	OFF	1319	0	0.00	0	69.1	69.1	69.1
10-11 PM	957	0.0	OFF	957	0	0.00	0	69.6	69.6	69.6
11PM-MID	583	0.0	OFF	583	0	0.00	0	70.0	70.0	70.0

"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

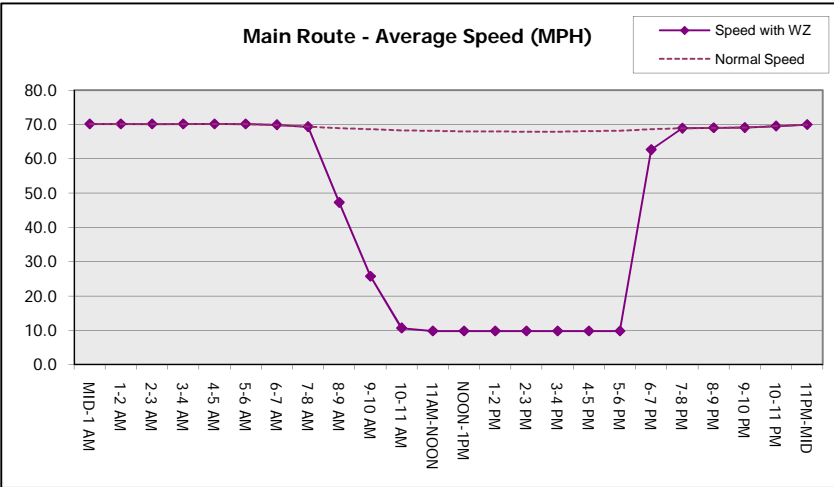
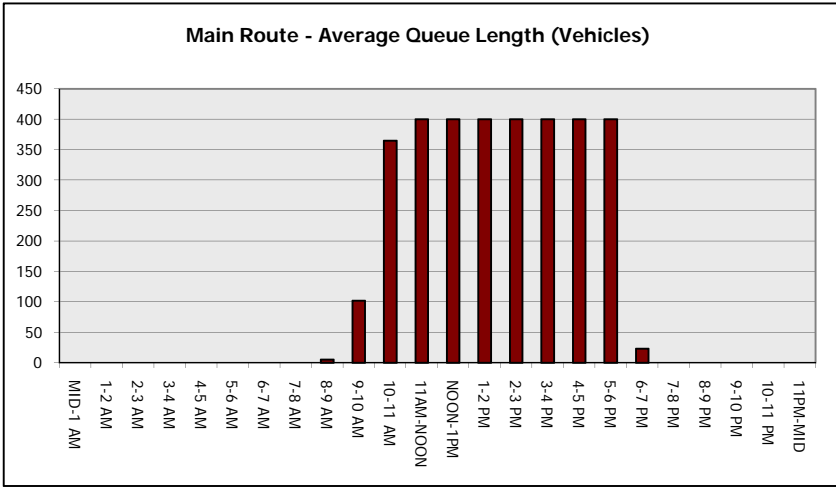
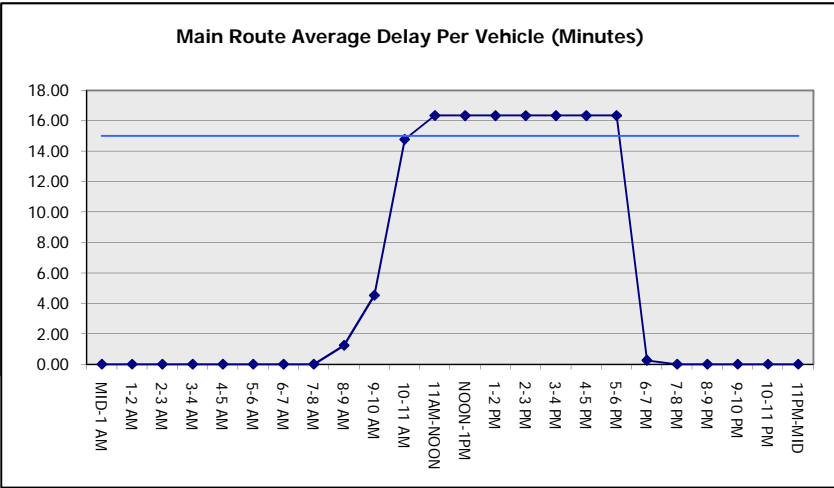
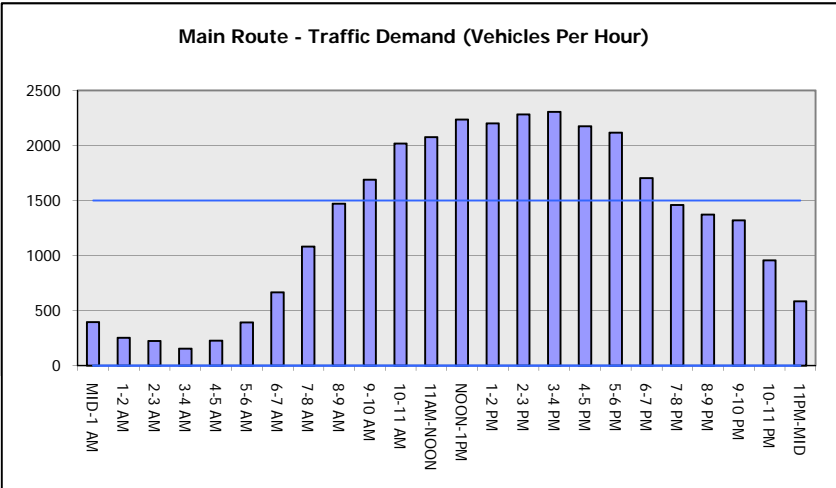
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0155
MAIN ROUTE WITH WORKS	0.0119
'DIVERSION'	0.0059
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$79,990
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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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	409	0.0	OFF	409	0	0.00	0	70.2	70.2	70.2
1-2 AM	278	0.0	OFF	278	0	0.00	0	70.2	70.2	70.2
2-3 AM	231	0.0	OFF	231	0	0.00	0	70.2	70.2	70.2
3-4 AM	152	0.0	OFF	152	0	0.00	0	70.2	70.2	70.2
4-5 AM	186	0.0	OFF	186	0	0.00	0	70.2	70.2	70.2
5-6 AM	328	0.0	OFF	328	0	0.00	0	70.2	70.2	70.2
6-7 AM	657	0.0	OFF	657	0	0.00	0	69.9	69.9	69.9
7-8 AM	1135	0.0	OFF	1135	0	0.00	0	69.3	69.3	69.3
8-9 AM	1624	0.0	1499	1624	0	2.17	35	68.7	38.1	30.8
9-10 AM	1991	0.0	1500	1726	265	12.06+	309	68.2	12.6	30.8
10-11 AM	2359	0.0	1499	1500	859	16.33+	399	67.8	9.7	30.8
11AM-NOON	2603	0.0	1500	1500	1103	16.32+	400	67.5	9.7	30.8
NOON-1PM	2640	0.0	1500	1500	1140	16.32+	400	67.4	9.7	30.8
1-2 PM	2509	0.0	1500	1500	1009	16.33+	400	67.6	9.7	30.8
2-3 PM	2484	0.0	1499	1500	984	16.33+	400	67.6	9.7	30.8
3-4 PM	2347	0.0	1500	1500	847	16.33+	400	67.8	9.7	30.8
4-5 PM	2311	0.0	1500	1500	811	16.34+	400	67.9	9.7	30.8
5-6 PM	2160	0.0	1500	1500	660	16.34+	400	68.1	9.7	30.8
6-7 PM	1813	0.0	OFF	1813	0	0.16	14	68.5	64.6	64.6
7-8 PM	1366	0.0	OFF	1366	0	0.00	0	69.1	69.1	69.1
8-9 PM	1057	0.0	OFF	1057	0	0.00	0	69.4	69.4	69.4
9-10 PM	902	0.0	OFF	902	0	0.00	0	69.6	69.6	69.6
10-11 PM	772	0.0	OFF	772	0	0.00	0	69.8	69.8	69.8
11PM-MID	539	0.0	OFF	539	0	0.00	0	70.0	70.0	70.0

"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	0.0162
MAIN ROUTE WITH WORKS	0.0114
'DIVERSION'	0.0088

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$94,691
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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