

USH 41: STH 125 TO USH 10 (WINNEBAGO AND OUTAGAMIE COUNTIES) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER Analyzed for 2009 Construction Season
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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	259	0.0	OFF	259	0	0.00	0	70.2	70.2	70.2
2-3 AM	247	0.0	OFF	247	0	0.00	0	70.2	70.2	70.2
3-4 AM	174	0.0	OFF	174	0	0.00	0	70.2	70.2	70.2
4-5 AM	231	0.0	OFF	231	0	0.00	0	70.2	70.2	70.2
5-6 AM	405	0.0	OFF	405	0	0.00	0	70.2	70.2	70.2
6-7 AM	728	0.0	OFF	728	0	0.00	0	69.8	69.8	69.8
7-8 AM	1051	0.0	OFF	1051	0	0.00	0	69.4	69.4	69.4
8-9 AM	1376	0.0	1499	1376	0	0.93	0	69.0	51.2	33.7
9-10 AM	1657	0.0	1499	1657	0	2.96	59	68.7	32.8	30.8
10-11 AM	2003	0.0	1500	1715	288	13.21+	332	68.2	11.7	30.8
11AM-NOON	2240	0.0	1500	1500	740	16.34+	400	67.9	9.7	30.8
NOON-1PM	2512	0.0	1500	1500	1012	16.33+	400	67.6	9.7	30.8
1-2 PM	2493	0.0	1500	1500	993	16.33+	400	67.6	9.7	30.8
2-3 PM	2584	0.0	1500	1500	1084	16.32+	400	67.5	9.7	30.8
3-4 PM	2596	0.0	1500	1500	1096	16.32+	399	67.5	9.7	30.8
4-5 PM	2648	0.0	1500	1500	1148	16.32+	400	67.4	9.7	30.8
5-6 PM	2439	0.0	1500	1500	939	16.33+	400	67.7	9.7	30.8
6-7 PM	2113	0.0	OFF	2113	0	0.20	17	68.1	63.5	63.5
7-8 PM	1852	0.0	OFF	1852	0	0.00	0	68.4	68.4	68.4
8-9 PM	1655	0.0	OFF	1655	0	0.00	0	68.7	68.7	68.7
9-10 PM	1440	0.0	OFF	1440	0	0.00	0	68.9	68.9	68.9
10-11 PM	1030	0.0	OFF	1030	0	0.00	0	69.4	69.4	69.4
11PM-MID	696	0.0	OFF	696	0	0.00	0	69.9	69.9	69.9

"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

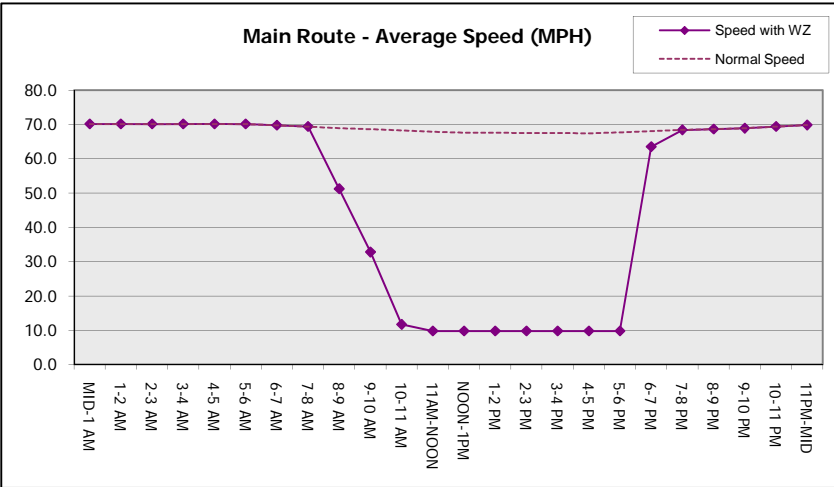
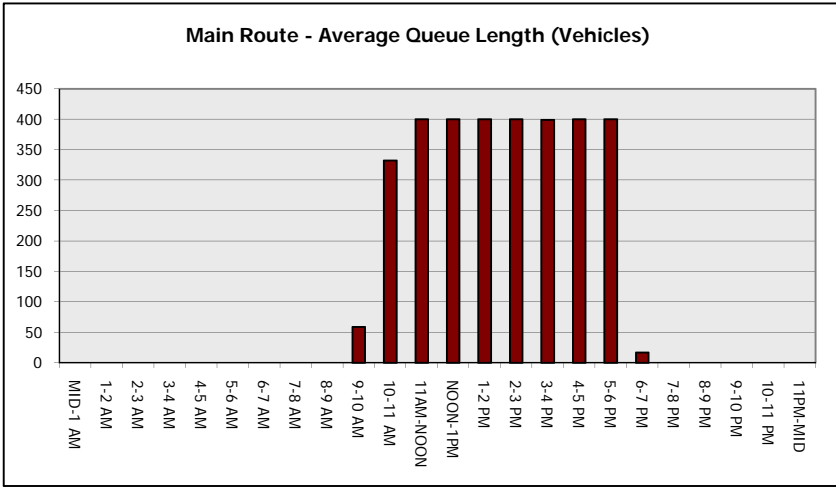
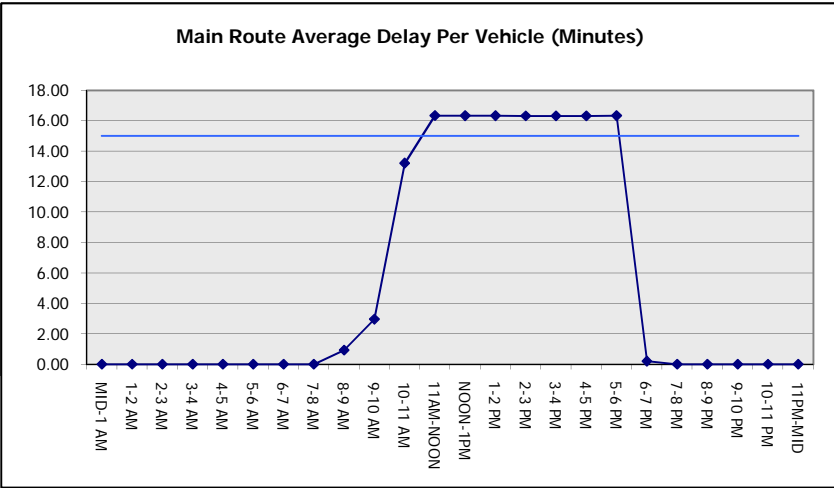
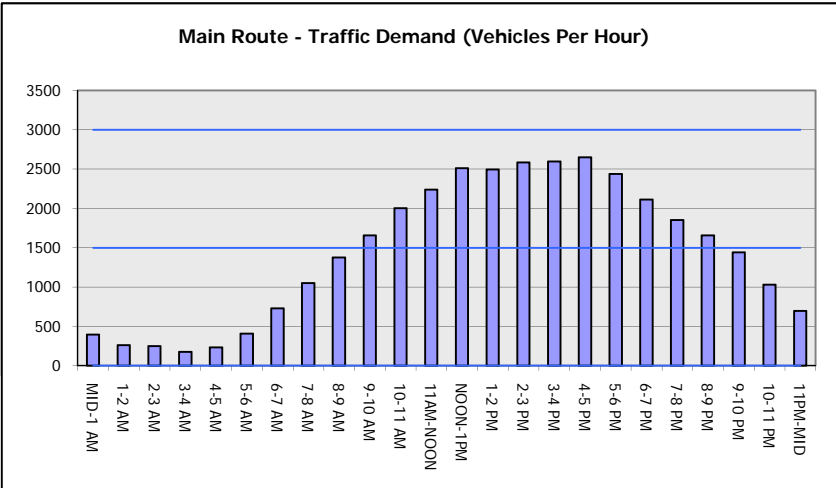
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0172
MAIN ROUTE WITH WORKS	0.0126
'DIVERSION'	0.0083
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$87,882
CONGESTED HOURS PER DAY*	8

*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	375	0.0	OFF	375	0	0.00	0	70.2	70.2	70.2
1-2 AM	215	0.0	OFF	215	0	0.00	0	70.2	70.2	70.2
2-3 AM	206	0.0	OFF	206	0	0.00	0	70.2	70.2	70.2
3-4 AM	162	0.0	OFF	162	0	0.00	0	70.2	70.2	70.2
4-5 AM	232	0.0	OFF	232	0	0.00	0	70.2	70.2	70.2
5-6 AM	351	0.0	OFF	351	0	0.00	0	70.2	70.2	70.2
6-7 AM	601	0.0	OFF	601	0	0.00	0	70.0	70.0	70.0
7-8 AM	1141	0.0	OFF	1141	0	0.00	0	69.3	69.3	69.3
8-9 AM	1645	0.0	1499	1645	0	2.42	44	68.7	36.3	30.8
9-10 AM	2051	0.0	1500	1715	335	12.88+	326	68.2	11.9	30.8
10-11 AM	2606	0.0	1500	1500	1106	16.32+	400	67.5	9.7	30.8
11AM-NOON	2847	0.0	1500	1500	1347	16.31+	400	67.2	9.7	30.8
NOON-1PM	2882	0.0	1500	1500	1382	16.31+	400	67.1	9.7	30.8
1-2 PM	2773	0.0	1500	1500	1273	16.31+	400	67.3	9.7	30.8
2-3 PM	2612	0.0	1500	1500	1112	16.32+	400	67.5	9.7	30.8
3-4 PM	2513	0.0	1500	1500	1013	16.33+	400	67.6	9.7	30.8
4-5 PM	2483	0.0	1500	1500	983	16.33+	400	67.6	9.7	30.8
5-6 PM	2317	0.0	1500	1500	817	16.34+	400	67.9	9.7	30.8
6-7 PM	2028	0.0	OFF	2028	0	0.18	16	68.2	64.0	64.0
7-8 PM	1471	0.0	OFF	1471	0	0.00	0	68.9	68.9	68.9
8-9 PM	1118	0.0	OFF	1118	0	0.00	0	69.4	69.4	69.4
9-10 PM	915	0.0	OFF	915	0	0.00	0	69.6	69.6	69.6
10-11 PM	734	0.0	OFF	734	0	0.00	0	69.8	69.8	69.8
11PM-MID	555	0.0	OFF	555	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	0.0172
MAIN ROUTE WITH WORKS	0.0116
'DIVERSION'	0.0107

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$103,049
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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