

USH 41: STH 125 TO USH 10 (WINNEBAGO AND OUTAGAMIE COUNTIES) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	416	0.0	OFF	416	0	0.00	0	70.2	70.2	70.2
1-2 AM	274	0.0	OFF	274	0	0.00	0	70.2	70.2	70.2
2-3 AM	253	0.0	OFF	253	0	0.00	0	70.2	70.2	70.2
3-4 AM	181	0.0	OFF	181	0	0.00	0	70.2	70.2	70.2
4-5 AM	249	0.0	OFF	249	0	0.00	0	70.2	70.2	70.2
5-6 AM	418	0.0	OFF	418	0	0.00	0	70.2	70.2	70.2
6-7 AM	644	0.0	OFF	644	0	0.00	0	69.9	69.9	69.9
7-8 AM	936	0.0	OFF	936	0	0.00	0	69.6	69.6	69.6
8-9 AM	1351	0.0	1499	1351	0	0.90	0	69.1	51.8	34.3
9-10 AM	1742	0.0	1499	1742	0	4.01	96	68.6	27.6	30.8
10-11 AM	2147	0.0	1500	1725	422	15.49+	381	68.1	10.2	30.8
11AM-NOON	2387	0.0	1500	1500	887	16.33+	400	67.8	9.7	30.8
NOON-1PM	2500	0.0	1500	1500	1000	16.33+	400	67.6	9.7	30.8
1-2 PM	2519	0.0	1500	1500	1019	16.33+	400	67.6	9.7	30.8
2-3 PM	2500	0.0	1500	1500	1000	16.33+	400	67.6	9.7	30.8
3-4 PM	2476	0.0	1500	1500	976	16.33+	400	67.6	9.7	30.8
4-5 PM	2434	0.0	1500	1500	934	16.33+	400	67.7	9.7	30.8
5-6 PM	2214	0.0	1500	1486	728	16.29+	398	68.0	9.7	30.8
6-7 PM	1809	0.0	OFF	1809	0	0.27	24	68.5	62.3	62.3
7-8 PM	1596	0.0	OFF	1596	0	0.00	0	68.7	68.7	68.7
8-9 PM	1491	0.0	OFF	1491	0	0.00	0	68.9	68.9	68.9
9-10 PM	1463	0.0	OFF	1463	0	0.00	0	68.9	68.9	68.9
10-11 PM	1551	0.0	OFF	1551	0	0.00	0	68.8	68.8	68.8
11PM-MID	1519	0.0	OFF	1519	0	0.00	0	68.9	68.9	68.9

"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

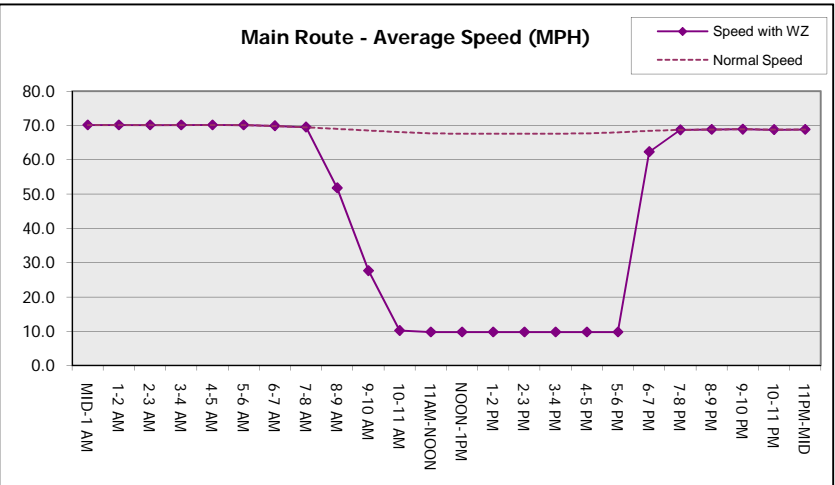
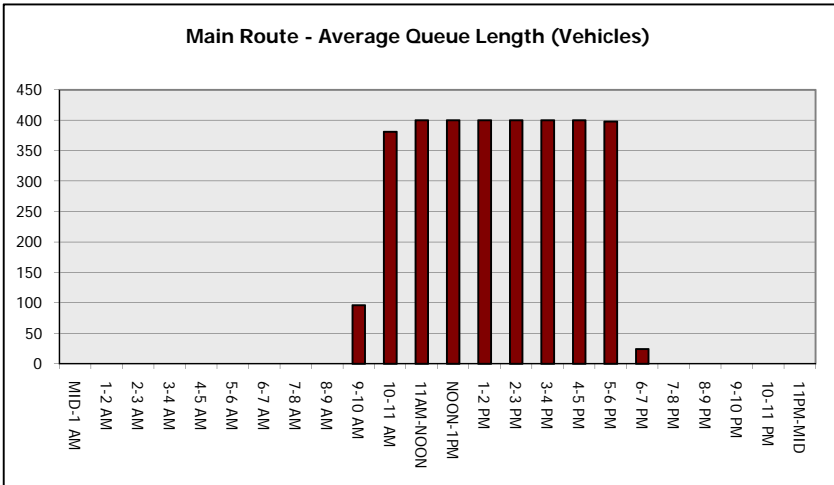
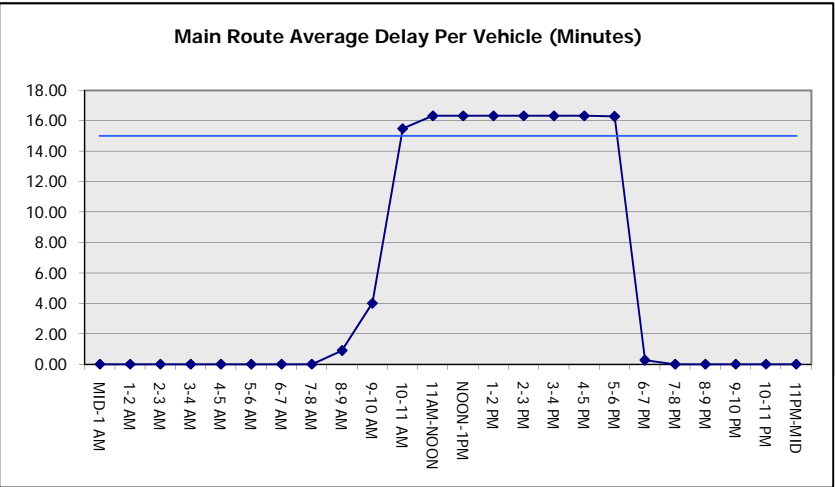
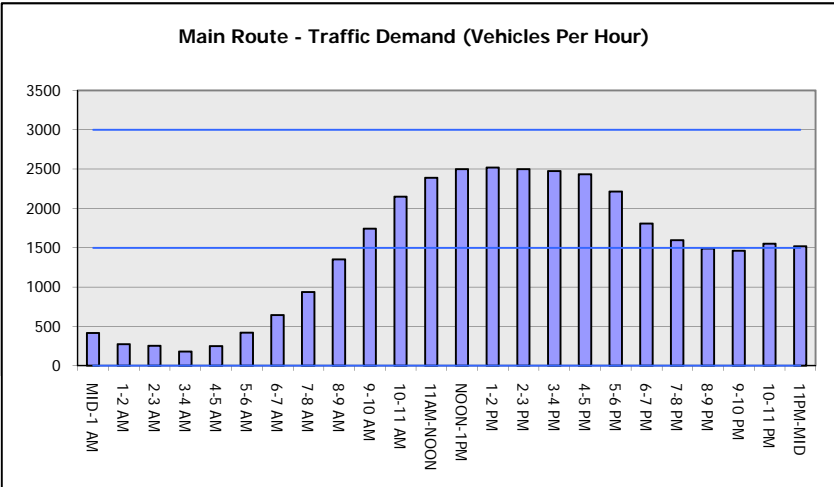
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0173
MAIN ROUTE WITH WORKS	0.0129
'DIVERSION'	0.0080
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$87,889
CONGESTED HOURS PER DAY*	8

*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	410	0.0	OFF	410	0	0.00	0	70.2	70.2	70.2
1-2 AM	250	0.0	OFF	250	0	0.00	0	70.2	70.2	70.2
2-3 AM	222	0.0	OFF	222	0	0.00	0	70.2	70.2	70.2
3-4 AM	172	0.0	OFF	172	0	0.00	0	70.2	70.2	70.2
4-5 AM	246	0.0	OFF	246	0	0.00	0	70.2	70.2	70.2
5-6 AM	344	0.0	OFF	344	0	0.00	0	70.2	70.2	70.2
6-7 AM	588	0.0	OFF	588	0	0.00	0	70.0	70.0	70.0
7-8 AM	976	0.0	OFF	976	0	0.00	0	69.5	69.5	69.5
8-9 AM	1489	0.0	1499	1489	0	1.46	14	68.9	44.7	32.4
9-10 AM	1990	0.0	1500	1907	83	9.41+	255	68.2	15.3	30.8
10-11 AM	2533	0.0	1500	1500	1033	16.33+	400	67.6	9.7	30.8
11AM-NOON	2787	0.0	1500	1500	1287	16.31+	400	67.3	9.7	30.8
NOON-1PM	2886	0.0	1500	1500	1386	16.31+	400	67.1	9.7	30.8
1-2 PM	2909	0.0	1500	1500	1409	16.31+	400	67.1	9.7	30.8
2-3 PM	2917	0.0	1500	1500	1417	16.31+	400	67.1	9.7	30.8
3-4 PM	2825	0.0	1500	1500	1325	16.31+	400	67.3	9.7	30.8
4-5 PM	2668	0.0	1500	1500	1168	16.32+	400	67.4	9.7	30.8
5-6 PM	2480	0.0	1500	1500	980	16.33+	400	67.6	9.7	30.8
6-7 PM	1818	0.0	OFF	1818	0	0.28	25	68.5	62.0	62.0
7-8 PM	1263	0.0	OFF	1263	0	0.00	0	69.2	69.2	69.2
8-9 PM	1052	0.0	OFF	1052	0	0.00	0	69.4	69.4	69.4
9-10 PM	875	0.0	OFF	875	0	0.00	0	69.7	69.7	69.7
10-11 PM	747	0.0	OFF	747	0	0.00	0	69.8	69.8	69.8
11PM-MID	546	0.0	OFF	546	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	0.0173
MAIN ROUTE WITH WORKS	0.0113
'DIVERSION'	0.0115

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$104,502
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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