

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

SUNDAY 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	814	0.0	OFF	814	0	0.00	0	69.7	69.7	69.7
1-2 AM	326	0.0	OFF	326	0	0.00	0	70.2	70.2	70.2
2-3 AM	282	0.0	OFF	282	0	0.00	0	70.2	70.2	70.2
3-4 AM	166	0.0	OFF	166	0	0.00	0	70.2	70.2	70.2
4-5 AM	165	0.0	OFF	165	0	0.00	0	70.2	70.2	70.2
5-6 AM	243	0.0	OFF	243	0	0.00	0	70.2	70.2	70.2
6-7 AM	390	0.0	OFF	390	0	0.00	0	70.2	70.2	70.2
7-8 AM	553	0.0	OFF	553	0	0.00	0	70.0	70.0	70.0
8-9 AM	986	0.0	OFF	986	0	0.00	0	69.5	69.5	69.5
9-10 AM	1464	0.0	1499	1464	0	1.37	12	68.9	45.7	32.7
10-11 AM	2065	0.0	1500	1863	202	9.82+	265	68.2	14.8	30.8
11AM-NOON	2536	0.0	1500	1500	1036	16.33+	400	67.6	9.7	30.8
NOON-1PM	2815	0.0	1500	1500	1315	16.31+	400	67.3	9.7	30.8
1-2 PM	2877	0.0	1500	1500	1377	16.31+	400	67.1	9.7	30.8
2-3 PM	2975	0.0	1500	1500	1475	16.30+	400	67.1	9.7	30.8
3-4 PM	3115	0.0	1500	1500	1615	16.30+	400	66.9	9.7	30.8
4-5 PM	2904	0.0	1500	1500	1404	16.31+	400	67.1	9.7	30.8
5-6 PM	2645	0.0	1500	1500	1145	16.32+	400	67.4	9.7	30.8
6-7 PM	2159	0.0	1500	1500	659	16.34+	400	68.1	9.7	30.8
7-8 PM	1729	0.0	OFF	1729	0	0.22	19	68.6	63.5	63.5
8-9 PM	1244	0.0	OFF	1244	0	0.00	0	69.2	69.2	69.2
9-10 PM	930	0.0	OFF	930	0	0.00	0	69.6	69.6	69.6
10-11 PM	605	0.0	OFF	605	0	0.00	0	70.0	70.0	70.0
11PM-MID	378	0.0	OFF	378	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

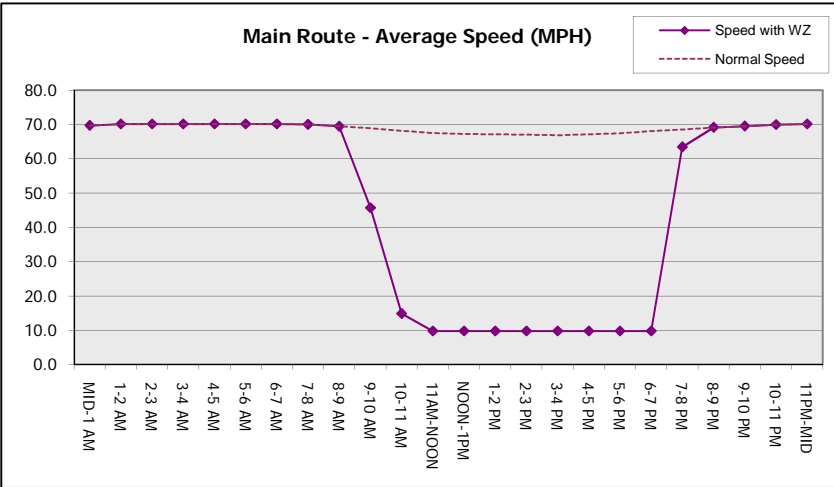
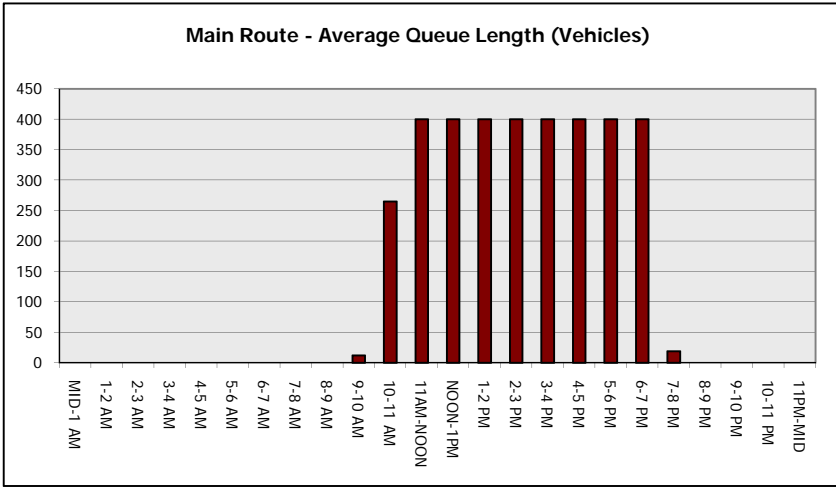
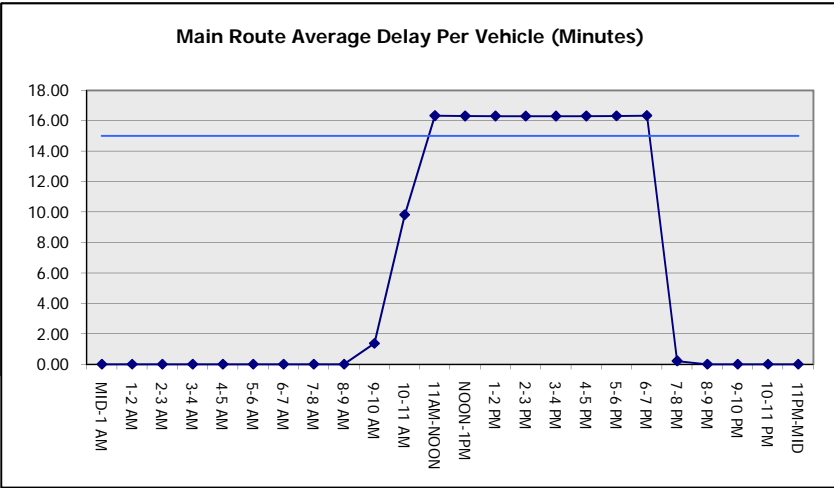
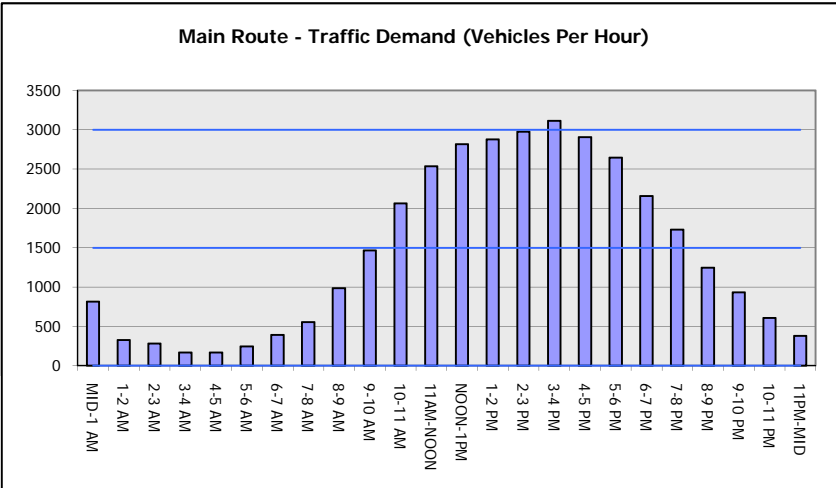
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0170
MAIN ROUTE WITH WORKS	0.0109
'DIVERSION'	0.0117
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$106,011
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



USH 41: STH 125 TO USH 10 (WINNEBAGO AND OUTAGAMIE COUNTIES) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	336	0.0	OFF	336	0	0.00	0	70.2	70.2	70.2
1-2 AM	213	0.0	OFF	213	0	0.00	0	70.2	70.2	70.2
2-3 AM	182	0.0	OFF	182	0	0.00	0	70.2	70.2	70.2
3-4 AM	110	0.0	OFF	110	0	0.00	0	70.2	70.2	70.2
4-5 AM	111	0.0	OFF	111	0	0.00	0	70.2	70.2	70.2
5-6 AM	216	0.0	OFF	216	0	0.00	0	70.2	70.2	70.2
6-7 AM	309	0.0	OFF	309	0	0.00	0	70.2	70.2	70.2
7-8 AM	453	0.0	OFF	453	0	0.00	0	70.2	70.2	70.2
8-9 AM	678	0.0	OFF	678	0	0.00	0	69.9	69.9	69.9
9-10 AM	1230	0.0	1499	1230	0	0.76	0	69.2	54.0	37.4
10-11 AM	1894	0.0	1499	1894	0	5.84	163	68.4	21.7	30.8
11AM-NOON	2309	0.0	1499	1500	809	16.34+	399	67.9	9.7	30.8
NOON-1PM	2494	0.0	1500	1500	994	16.33+	400	67.6	9.7	30.8
1-2 PM	2388	0.0	1500	1500	888	16.33+	400	67.8	9.7	30.8
2-3 PM	2315	0.0	1500	1500	815	16.34+	400	67.9	9.7	30.8
3-4 PM	2181	0.0	1500	1500	681	16.34+	400	68.0	9.7	30.8
4-5 PM	2095	0.0	1500	1500	595	16.35+	400	68.1	9.7	30.8
5-6 PM	1863	0.0	1500	1500	363	16.36+	400	68.4	9.7	30.8
6-7 PM	1614	0.0	1500	1502	112	16.36+	399	68.7	9.7	30.8
7-8 PM	1240	0.0	OFF	1240	0	0.18	16	69.2	64.8	64.8
8-9 PM	1095	0.0	OFF	1095	0	0.00	0	69.4	69.4	69.4
9-10 PM	838	0.0	OFF	838	0	0.00	0	69.7	69.7	69.7
10-11 PM	570	0.0	OFF	570	0	0.00	0	70.0	70.0	70.0
11PM-MID	336	0.0	OFF	336	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	0.0134
MAIN ROUTE WITH WORKS	0.0098
'DIVERSION'	0.0060

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$81,668
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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