

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

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	310	0.0	OFF	310	0	0.00	0	70.2	70.2	70.2
1-2 AM	190	0.0	OFF	190	0	0.00	0	70.2	70.2	70.2
2-3 AM	178	0.0	OFF	178	0	0.00	0	70.2	70.2	70.2
3-4 AM	218	0.0	OFF	218	0	0.00	0	70.2	70.2	70.2
4-5 AM	421	0.0	OFF	421	0	0.00	0	70.2	70.2	70.2
5-6 AM	1249	0.0	OFF	1249	0	0.00	0	69.2	69.2	69.2
6-7 AM	2252	0.0	OFF	2252	0	0.00	0	67.9	67.9	67.9
7-8 AM	3320	0.0	OFF	3320	0	0.00	0	66.6	66.6	66.6
8-9 AM	2394	0.0	OFF	2394	0	0.00	0	67.8	67.8	67.8
9-10 AM	2027	0.0	OFF	2027	0	0.00	0	68.2	68.2	68.2
10-11 AM	2166	0.0	1499	1845	321	10.04+	273	68.1	14.5	30.8
11AM-NOON	2431	0.0	1499	1500	931	16.33+	399	67.7	9.7	30.8
NOON-1PM	2674	0.0	1500	1500	1174	16.32+	400	67.4	9.7	30.8
1-2 PM	2969	0.0	1500	1500	1469	16.30+	400	67.1	9.7	30.8
2-3 PM	3239	0.0	1500	1500	1739	16.29+	400	66.7	9.7	30.8
3-4 PM	3384	0.0	OFF	3384	0	0.28	22	66.5	60.5	60.5
4-5 PM	3907	0.0	OFF	3907	0	0.00	0	64.1	64.1	64.1
5-6 PM	3663	0.0	OFF	3663	0	0.00	0	65.8	65.8	65.8
6-7 PM	2397	0.0	OFF	2397	0	0.00	0	67.8	67.8	67.8
7-8 PM	1835	0.0	OFF	1835	0	0.00	0	68.4	68.4	68.4
8-9 PM	1757	0.0	OFF	1757	0	0.00	0	68.6	68.6	68.6
9-10 PM	1496	0.0	OFF	1496	0	0.00	0	68.9	68.9	68.9
10-11 PM	995	0.0	OFF	995	0	0.00	0	69.5	69.5	69.5
11PM-MID	628	0.0	OFF	628	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

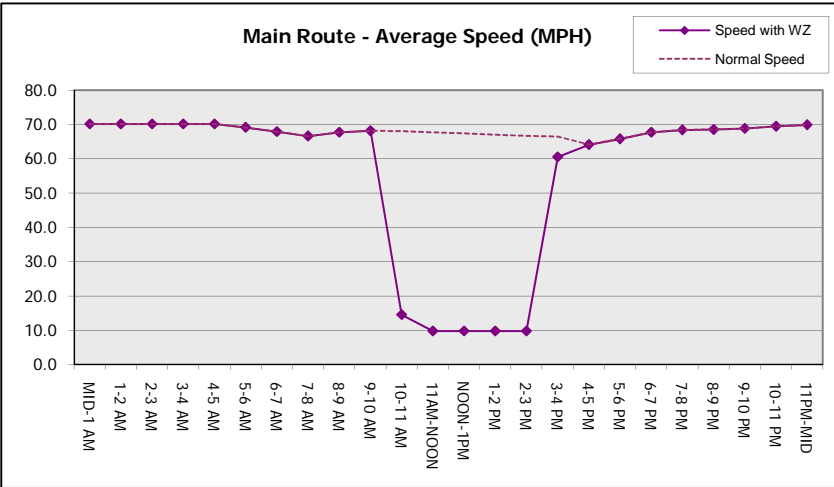
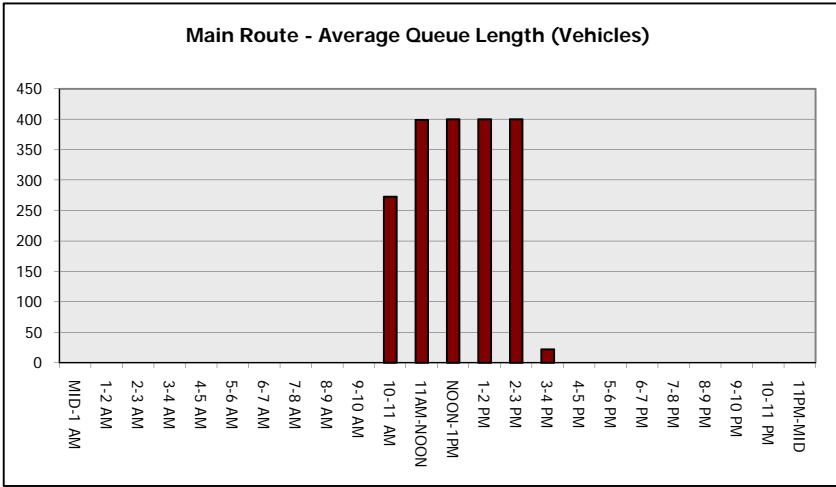
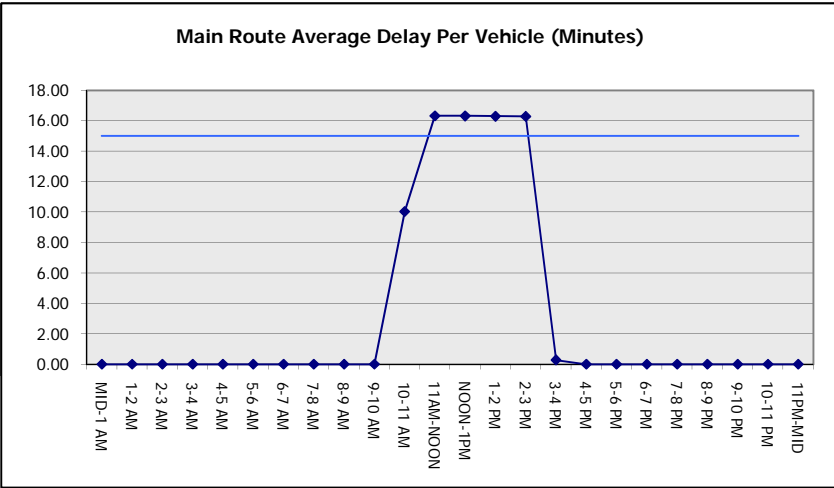
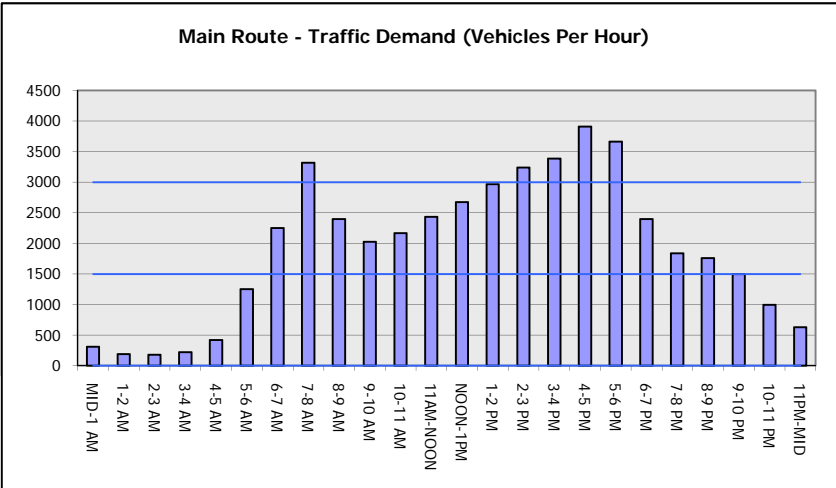
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0227
MAIN ROUTE WITH WORKS	0.0195
'DIVERSION'	0.0064
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$45,524
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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	
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	248	0.0	OFF	248	0	0.00	0	70.2	70.2	70.2
1-2 AM	184	0.0	OFF	184	0	0.00	0	70.2	70.2	70.2
2-3 AM	164	0.0	OFF	164	0	0.00	0	70.2	70.2	70.2
3-4 AM	179	0.0	OFF	179	0	0.00	0	70.2	70.2	70.2
4-5 AM	388	0.0	OFF	388	0	0.00	0	70.2	70.2	70.2
5-6 AM	1077	0.0	OFF	1077	0	0.00	0	69.4	69.4	69.4
6-7 AM	2025	0.0	OFF	2025	0	0.00	0	68.2	68.2	68.2
7-8 AM	3192	0.0	OFF	3192	0	0.00	0	66.8	66.8	66.8
8-9 AM	2520	0.0	OFF	2520	0	0.00	0	67.6	67.6	67.6
9-10 AM	2282	0.0	OFF	2282	0	0.00	0	67.9	67.9	67.9
10-11 AM	2441	0.0	1499	1947	494	12.24+	311	67.7	12.4	30.8
11AM-NOON	2660	0.0	1500	1500	1160	16.32+	399	67.4	9.7	30.8
NOON-1PM	2707	0.0	1500	1500	1207	16.32+	400	67.4	9.7	30.8
1-2 PM	2742	0.0	1500	1500	1242	16.31+	400	67.3	9.7	30.8
2-3 PM	2967	0.0	1500	1500	1467	16.30+	399	67.1	9.7	30.8
3-4 PM	3361	0.0	OFF	3361	0	0.45	37	66.6	57.3	57.3
4-5 PM	3978	0.0	OFF	3978	0	0.00	0	63.7	63.7	63.7
5-6 PM	3564	0.0	OFF	3564	0	0.00	0	66.3	66.3	66.3
6-7 PM	2397	0.0	OFF	2397	0	0.00	0	67.8	67.8	67.8
7-8 PM	1532	0.0	OFF	1532	0	0.00	0	68.8	68.8	68.8
8-9 PM	1190	0.0	OFF	1190	0	0.00	0	69.2	69.2	69.2
9-10 PM	902	0.0	OFF	902	0	0.00	0	69.6	69.6	69.6
10-11 PM	738	0.0	OFF	738	0	0.00	0	69.8	69.8	69.8
11PM-MID	478	0.0	OFF	478	0	0.00	0	70.1	70.1	70.1

"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	0.0
(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	0
(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	0.0217
MAIN ROUTE WITH WORKS	0.0184
'DIVERSION'	0.0064

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$46,595
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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MON-THUR NORTHBOUND DIRECTION

