

USH 41: STH 125 TO USH 10 (WINNEBAGO AND OUTAGAMIE COUNTIES) NIGHTTIME 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	1500	814	0	0.57	0	69.7	57.5	42.4	
1-2 AM	326	0.0	1500	326	0	0.51	0	70.2	58.8	44.2	
2-3 AM	282	0.0	1500	282	0	0.51	0	70.2	58.9	44.3	
3-4 AM	166	0.0	1500	166	0	0.49	0	70.2	59.2	44.8	
4-5 AM	165	0.0	1500	165	0	0.49	0	70.2	59.2	44.8	
5-6 AM	243	0.0	1500	243	0	0.50	0	70.2	59.0	44.5	
6-7 AM	390	0.0	1500	390	0	0.52	0	70.2	58.7	43.9	
7-8 AM	553	0.0	1500	553	0	0.54	0	70.0	58.2	43.3	
8-9 AM	986	0.0	1499	986	0	0.59	0	69.5	57.0	41.7	
9-10 AM	1464	0.0	OFF	1464	0	0.00	0	68.9	68.9	68.9	
10-11 AM	2065	0.0	OFF	2065	0	0.00	0	68.2	68.2	68.2	
11AM-NOON	2536	0.0	OFF	2536	0	0.00	0	67.6	67.6	67.6	
NOON-1PM	2815	0.0	OFF	2815	0	0.00	0	67.3	67.3	67.3	
1-2 PM	2877	0.0	OFF	2877	0	0.00	0	67.1	67.1	67.1	
2-3 PM	2975	0.0	OFF	2975	0	0.00	0	67.1	67.1	67.1	
3-4 PM	3115	0.0	OFF	3115	0	0.00	0	66.9	66.9	66.9	
4-5 PM	2904	0.0	OFF	2904	0	0.00	0	67.1	67.1	67.1	
5-6 PM	2645	0.0	OFF	2645	0	0.00	0	67.4	67.4	67.4	
6-7 PM	2159	0.0	OFF	2159	0	0.00	0	68.1	68.1	68.1	
7-8 PM	1729	0.0	1499	1729	0	6.04	143	68.6	21.2	30.8	
8-9 PM	1244	0.0	1499	1244	0	4.62	127	69.2	25.5	33.9	
9-10 PM	930	0.0	1500	930	0	0.58	0	69.6	57.2	41.9	
10-11 PM	605	0.0	1500	605	0	0.54	0	70.0	58.1	43.1	
11PM-MID	378	0.0	1500	378	0	0.52	0	70.2	58.7	44.0	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0164
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$5,454
CONGESTED HOURS PER DAY*	0

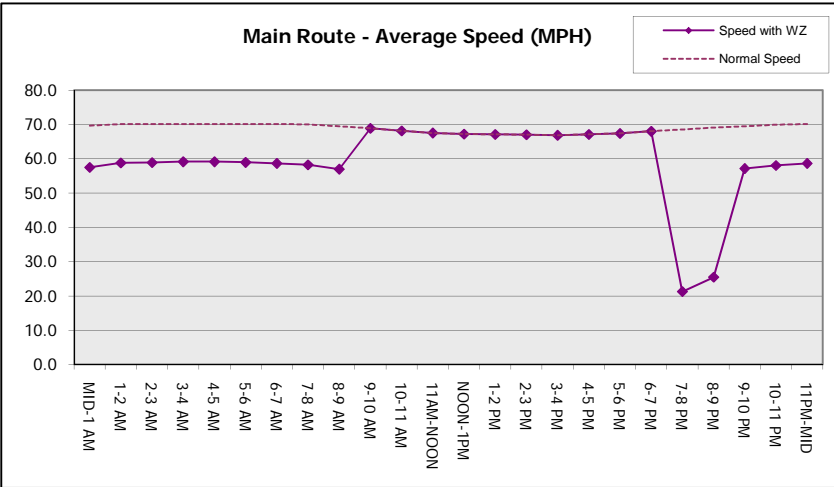
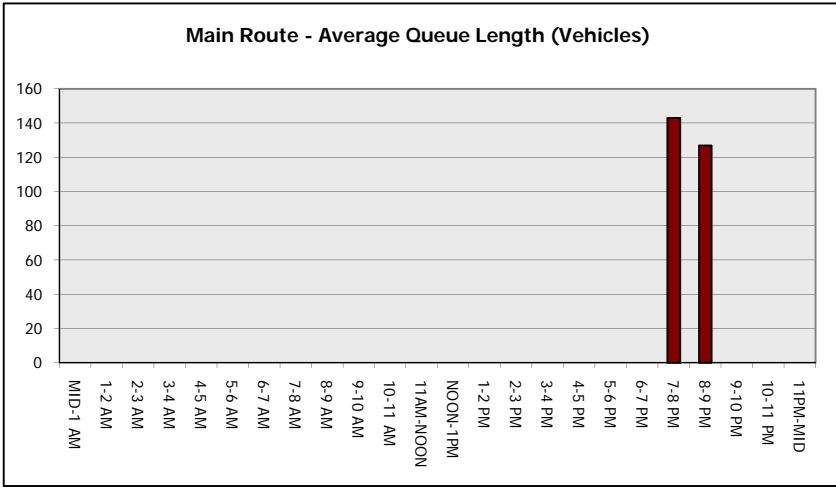
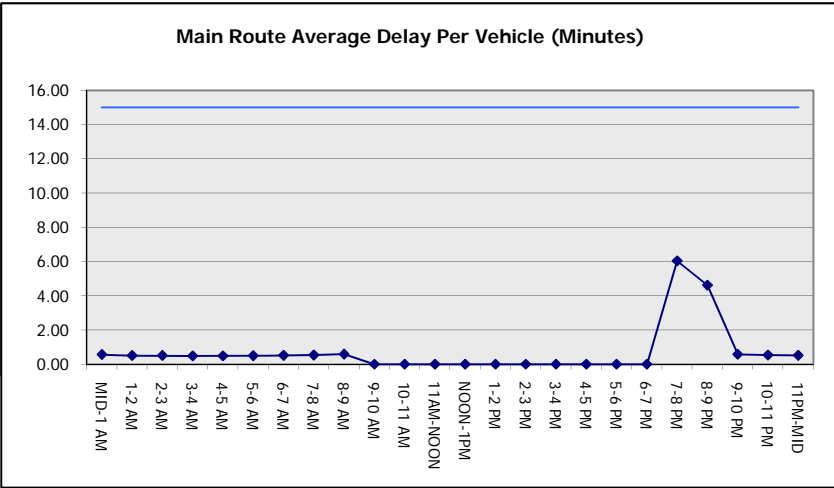
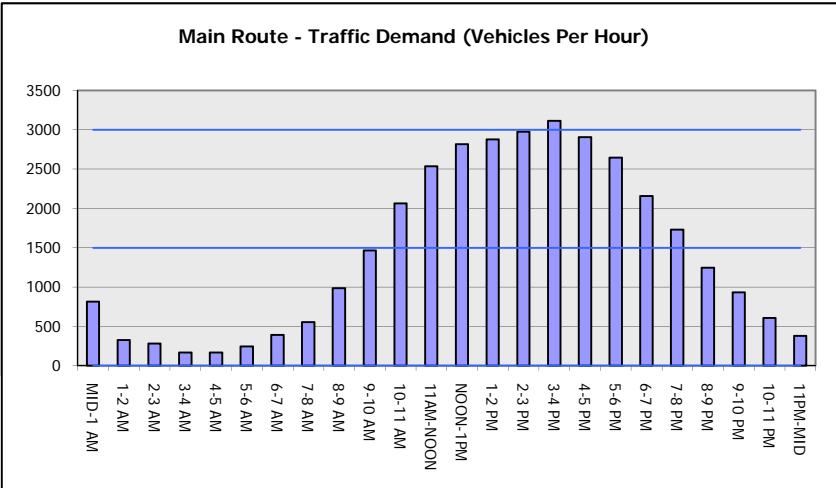
*Delays Exceeding User-Specified Maximum

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 NIGHTTIME 2 LANE CLOSURE
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AUGUST
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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) NIGHTTIME 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	1500	336	0	0.51	0	70.2	58.8	44.2
1-2 AM	213	0.0	1500	213	0	0.50	0	70.2	59.1	44.6
2-3 AM	182	0.0	1500	182	0	0.49	0	70.2	59.1	44.8
3-4 AM	110	0.0	1500	110	0	0.49	0	70.2	59.3	45.0
4-5 AM	111	0.0	1500	111	0	0.49	0	70.2	59.1	44.6
5-6 AM	216	0.0	1500	216	0	0.50	0	70.2	58.9	44.3
6-7 AM	309	0.0	1500	309	0	0.51	0	70.2	58.5	43.7
7-8 AM	453	0.0	1500	453	0	0.53	0	70.2	57.9	42.8
8-9 AM	678	0.0	1500	678	0	0.55	0	69.9	69.2	69.2
9-10 AM	1230	0.0	OFF	1230	0	0.00	0	68.4	68.4	68.4
10-11 AM	1894	0.0	OFF	1894	0	0.00	0	67.9	67.9	67.9
11AM-NOON	2309	0.0	OFF	2309	0	0.00	0	67.6	67.6	67.6
NOON-1PM	2494	0.0	OFF	2494	0	0.00	0	67.8	67.8	67.8
1-2 PM	2388	0.0	OFF	2388	0	0.00	0	67.9	67.9	67.9
2-3 PM	2315	0.0	OFF	2315	0	0.00	0	68.0	68.0	68.0
3-4 PM	2181	0.0	OFF	2181	0	0.00	0	68.1	68.1	68.1
4-5 PM	2095	0.0	OFF	2095	0	0.00	0	68.4	68.4	68.4
5-6 PM	1863	0.0	OFF	1863	0	0.00	0	68.7	68.7	68.7
6-7 PM	1614	0.0	OFF	1614	0	0.00	0	69.2	54.0	37.2
7-8 PM	1240	0.0	1500	1240	0	0.76	0	69.4	56.8	41.4
8-9 PM	1095	0.0	1500	1095	0	0.60	0	69.7	57.4	42.2
9-10 PM	838	0.0	1500	838	0	0.57	0	70.0	58.2	43.2
10-11 PM	570	0.0	1500	570	0	0.54	0	70.2	58.8	44.2
11PM-MID	336	0.0	1500	336	0	0.51	0			

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0129
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,100
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

