

USH 41: STH 125 TO USH 10 (WINNEBAGO AND OUTAGAMIE COUNTIES) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER
	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	395	0.0	3000	395	0	0.36	0	70.2	61.8	49.7
1-2 AM	259	0.0	3000	259	0	0.36	0	70.2	61.8	49.7
2-3 AM	247	0.0	3000	247	0	0.36	0	70.2	61.8	49.7
3-4 AM	174	0.0	3000	174	0	0.36	0	70.2	61.8	49.7
4-5 AM	231	0.0	3000	231	0	0.36	0	70.2	61.8	49.7
5-6 AM	405	0.0	3000	405	0	0.36	0	70.2	61.8	49.7
6-7 AM	728	0.0	3000	728	0	0.35	0	69.8	61.6	49.7
7-8 AM	1051	0.0	3000	1051	0	0.35	0	69.4	61.4	49.7
8-9 AM	1376	0.0	3000	1376	0	0.34	0	69.0	61.2	49.7
9-10 AM	1657	0.0	3000	1657	0	0.34	0	68.7	61.0	49.7
10-11 AM	2003	0.0	3000	2003	0	0.33	0	68.2	60.8	49.7
11AM-NOON	2240	0.0	3000	2240	0	0.33	0	67.9	60.6	49.7
NOON-1PM	2512	0.0	3000	2512	0	0.41	0	67.6	58.9	46.5
1-2 PM	2493	0.0	3000	2493	0	0.40	0	67.6	59.1	46.9
2-3 PM	2584	0.0	3000	2584	0	0.46	0	67.5	57.9	44.9
3-4 PM	2596	0.0	3000	2596	0	0.46	0	67.5	57.8	44.6
4-5 PM	2648	0.0	3000	2648	0	0.50	0	67.4	57.1	43.5
5-6 PM	2439	0.0	3000	2439	0	0.36	0	67.7	59.8	48.3
6-7 PM	2113	0.0	3000	2113	0	0.33	0	68.1	60.7	49.7
7-8 PM	1852	0.0	3000	1852	0	0.34	0	68.4	60.9	49.7
8-9 PM	1655	0.0	3000	1655	0	0.34	0	68.7	61.0	49.7
9-10 PM	1440	0.0	3000	1440	0	0.34	0	68.9	61.2	49.7
10-11 PM	1030	0.0	3000	1030	0	0.35	0	69.4	61.4	49.7
11PM-MID	696	0.0	3000	696	0	0.36	0	69.9	61.7	49.7

----- 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	0.0149
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,318
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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CONTINUOUS (24 HOUR) CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

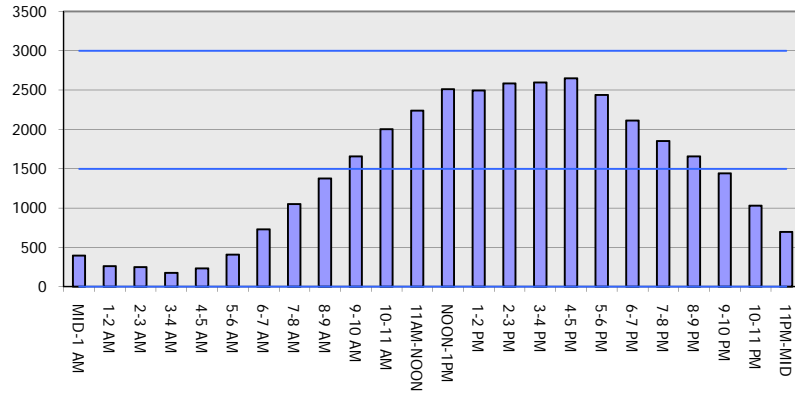
OCTOBER

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Construction Season

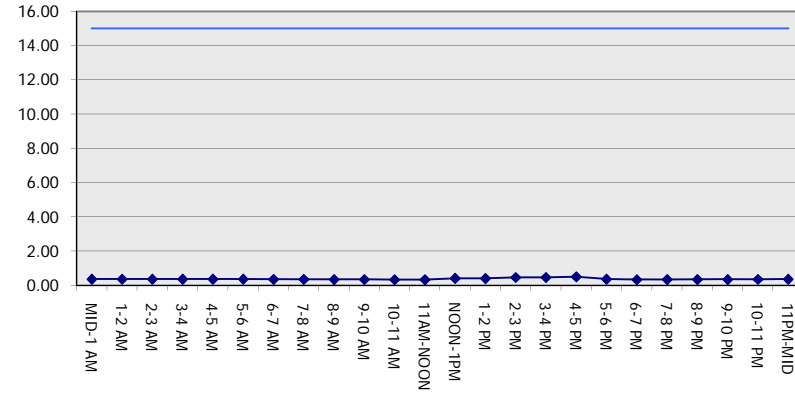
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY SOUTHBOUND DIRECTION

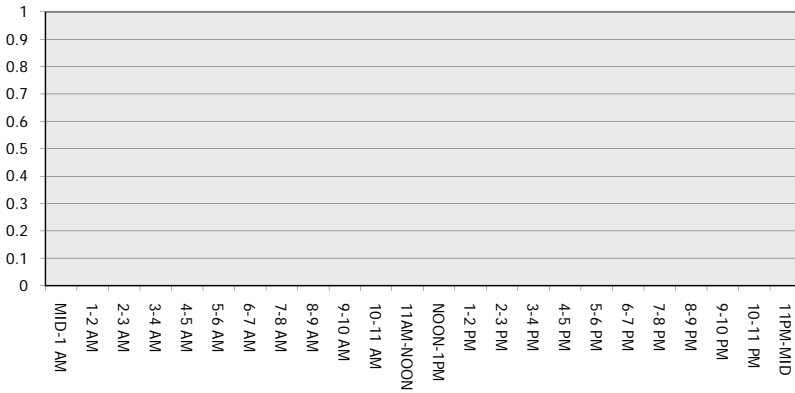
Main Route - Traffic Demand (Vehicles Per Hour)



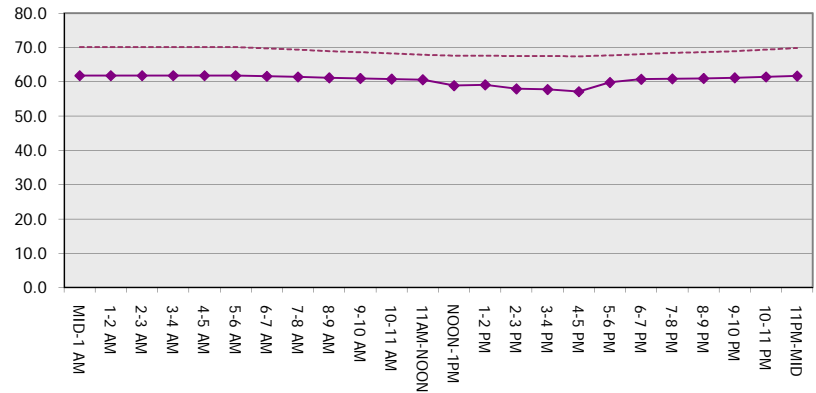
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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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	3000	375	0	0.36	0	70.2	61.8	49.7
1-2 AM	215	0.0	3000	215	0	0.36	0	70.2	61.8	49.7
2-3 AM	206	0.0	3000	206	0	0.36	0	70.2	61.8	49.7
3-4 AM	162	0.0	3000	162	0	0.36	0	70.2	61.8	49.7
4-5 AM	232	0.0	3000	232	0	0.36	0	70.2	61.8	49.7
5-6 AM	351	0.0	3000	351	0	0.36	0	70.2	61.8	49.7
6-7 AM	601	0.0	3000	601	0	0.36	0	70.0	61.7	49.7
7-8 AM	1141	0.0	3000	1141	0	0.35	0	69.3	61.4	49.7
8-9 AM	1645	0.0	3000	1645	0	0.34	0	68.7	61.0	49.7
9-10 AM	2051	0.0	3000	2051	0	0.33	0	68.2	60.7	49.7
10-11 AM	2606	0.0	3000	2606	0	0.47	0	67.5	57.6	44.4
11AM-NOON	2847	0.0	3000	2847	0	0.63	0	67.2	54.8	39.7
NOON-1PM	2882	0.0	3000	2882	0	0.65	0	67.1	54.3	39.1
1-2 PM	2773	0.0	3000	2773	0	0.58	0	67.3	55.6	41.0
2-3 PM	2612	0.0	3000	2612	0	0.47	0	67.5	57.6	44.3
3-4 PM	2513	0.0	3000	2513	0	0.41	0	67.6	58.8	46.5
4-5 PM	2483	0.0	3000	2483	0	0.39	0	67.6	59.2	47.2
5-6 PM	2317	0.0	3000	2317	0	0.33	0	67.9	60.5	49.7
6-7 PM	2028	0.0	3000	2028	0	0.33	0	68.2	60.7	49.7
7-8 PM	1471	0.0	3000	1471	0	0.34	0	68.9	61.1	49.7
8-9 PM	1118	0.0	3000	1118	0	0.35	0	69.4	61.4	49.7
9-10 PM	915	0.0	3000	915	0	0.35	0	69.6	61.5	49.7
10-11 PM	734	0.0	3000	734	0	0.35	0	69.8	61.6	49.7
11PM-MID	555	0.0	3000	555	0	0.36	0	70.0	61.7	49.7

----- 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	0.0149
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,809
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY NORTHBOUND DIRECTION

