

USH 41: STH 125 TO USH 10 (WINNEBAGO AND OUTAGAMIE COUNTIES) CONTINUOUS (24 HOUR) 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	3000	814	0	0.35	0	69.7	61.5	49.7
1-2 AM	326	0.0	3000	326	0	0.36	0	70.2	61.8	49.7
2-3 AM	282	0.0	3000	282	0	0.36	0	70.2	61.8	49.7
3-4 AM	166	0.0	3000	166	0	0.36	0	70.2	61.8	49.7
4-5 AM	165	0.0	3000	165	0	0.36	0	70.2	61.8	49.7
5-6 AM	243	0.0	3000	243	0	0.36	0	70.2	61.8	49.7
6-7 AM	390	0.0	3000	390	0	0.36	0	70.2	61.8	49.7
7-8 AM	553	0.0	3000	553	0	0.36	0	70.0	61.7	49.7
8-9 AM	986	0.0	3000	986	0	0.35	0	69.5	61.4	49.7
9-10 AM	1464	0.0	3000	1464	0	0.34	0	68.9	61.1	49.7
10-11 AM	2065	0.0	3000	2065	0	0.33	0	68.2	60.7	49.7
11AM-NOON	2536	0.0	3000	2536	0	0.43	0	67.6	58.5	46.0
NOON-1PM	2815	0.0	3000	2815	0	0.61	0	67.3	55.1	40.3
1-2 PM	2877	0.0	2999	2877	0	0.65	0	67.1	54.4	39.2
2-3 PM	2975	0.0	2999	2975	0	0.72	0	67.1	53.2	37.7
3-4 PM	3115	0.0	3000	3115	0	1.79	62	66.9	40.7	37.3
4-5 PM	2904	0.0	2999	2904	0	2.19	83	67.1	37.5	37.7
5-6 PM	2645	0.0	3000	2645	0	0.51	0	67.4	56.9	43.7
6-7 PM	2159	0.0	3000	2159	0	0.33	0	68.1	60.7	49.7
7-8 PM	1729	0.0	3000	1729	0	0.34	0	68.6	61.0	49.7
8-9 PM	1244	0.0	3000	1244	0	0.35	0	69.2	61.3	49.7
9-10 PM	930	0.0	3000	930	0	0.35	0	69.6	61.5	49.7
10-11 PM	605	0.0	3000	605	0	0.36	0	70.0	61.7	49.7
11PM-MID	378	0.0	3000	378	0	0.36	0	70.2	61.8	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	0.0170
MAIN ROUTE WITH WORKS	0.0147
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

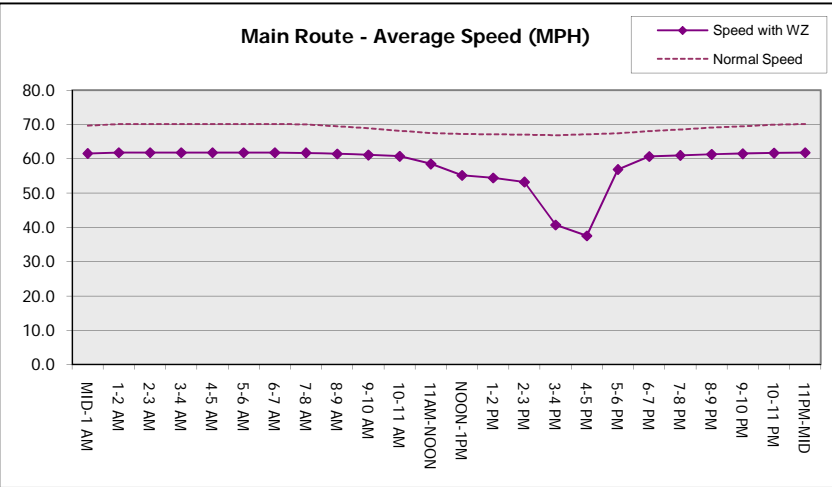
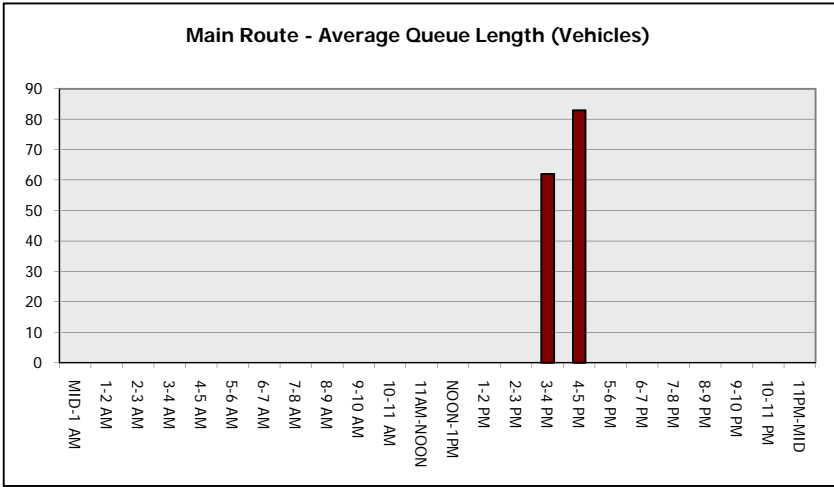
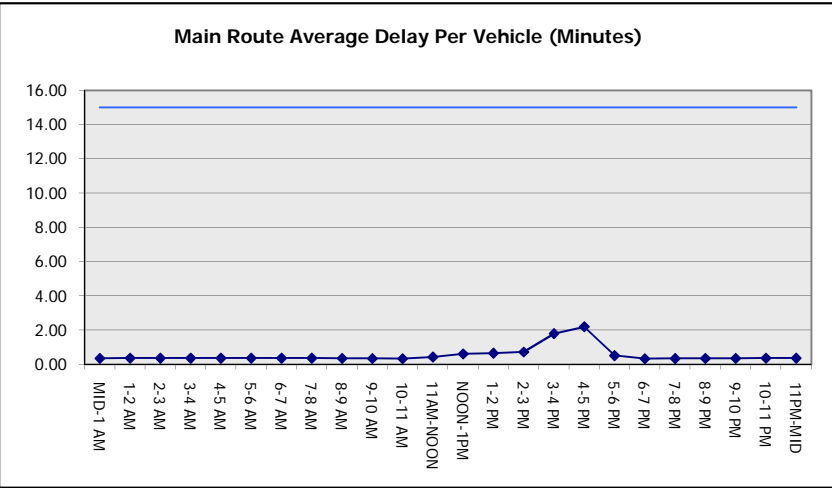
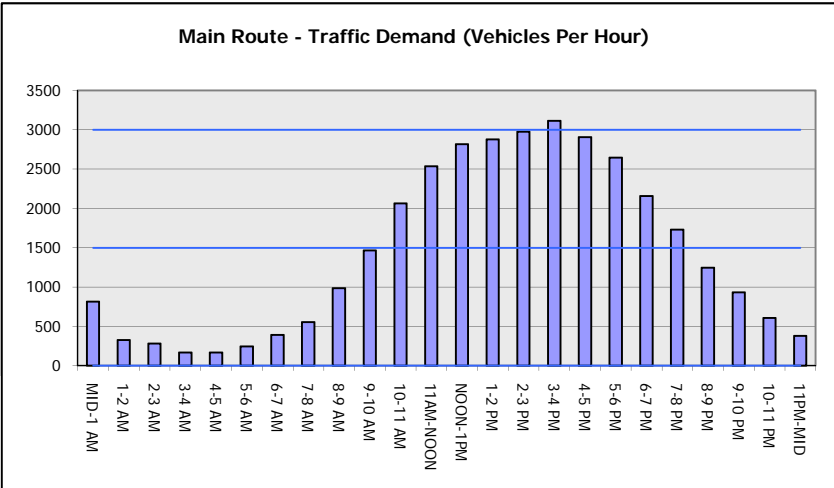
ROAD USER COSTS PER DAY	\$6,549
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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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	3000	336	0	0.36	0	70.2	61.8	49.7
1-2 AM	213	0.0	3000	213	0	0.36	0	70.2	61.8	49.7
2-3 AM	182	0.0	3000	182	0	0.36	0	70.2	61.8	49.7
3-4 AM	110	0.0	3000	110	0	0.36	0	70.2	61.8	49.7
4-5 AM	111	0.0	3000	111	0	0.36	0	70.2	61.8	49.7
5-6 AM	216	0.0	3000	216	0	0.36	0	70.2	61.8	49.7
6-7 AM	309	0.0	3000	309	0	0.36	0	70.2	61.8	49.7
7-8 AM	453	0.0	3000	453	0	0.36	0	70.2	61.8	49.7
8-9 AM	678	0.0	3000	678	0	0.36	0	69.9	61.7	49.7
9-10 AM	1230	0.0	3000	1230	0	0.35	0	69.2	61.3	49.7
10-11 AM	1894	0.0	3000	1894	0	0.34	0	68.4	60.9	49.7
11AM-NOON	2309	0.0	3000	2309	0	0.33	0	67.9	60.5	49.7
NOON-1PM	2494	0.0	3000	2494	0	0.40	0	67.6	59.1	46.9
1-2 PM	2388	0.0	3000	2388	0	0.33	0	67.8	60.5	49.7
2-3 PM	2315	0.0	3000	2315	0	0.33	0	67.9	60.5	49.7
3-4 PM	2181	0.0	3000	2181	0	0.33	0	68.0	60.7	49.7
4-5 PM	2095	0.0	3000	2095	0	0.33	0	68.1	60.7	49.7
5-6 PM	1863	0.0	3000	1863	0	0.34	0	68.4	60.9	49.7
6-7 PM	1614	0.0	3000	1614	0	0.34	0	68.7	61.0	49.7
7-8 PM	1240	0.0	3000	1240	0	0.35	0	69.2	61.3	49.7
8-9 PM	1095	0.0	3000	1095	0	0.35	0	69.4	61.4	49.7
9-10 PM	838	0.0	3000	838	0	0.35	0	69.7	61.5	49.7
10-11 PM	570	0.0	3000	570	0	0.36	0	70.0	61.7	49.7
11PM-MID	336	0.0	3000	336	0	0.36	0	70.2	61.8	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	0.0134
MAIN ROUTE WITH WORKS	0.0116
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,441
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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