

USH 41: STH 125 TO USH 10 (WINNEBAGO AND OUTAGAMIE COUNTIES) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	408	0.0	3000	408	0	0.36	0	70.2	61.8	49.7
1-2 AM	237	0.0	3000	237	0	0.36	0	70.2	61.8	49.7
2-3 AM	229	0.0	3000	229	0	0.36	0	70.2	61.8	49.7
3-4 AM	222	0.0	3000	222	0	0.36	0	70.2	61.8	49.7
4-5 AM	400	0.0	3000	400	0	0.36	0	70.2	61.8	49.7
5-6 AM	1117	0.0	OFF	1117	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	2944	0.0	OFF	2944	0	0.00	0	67.1	67.1	67.1
8-9 AM	2232	0.0	OFF	2232	0	0.00	0	67.9	67.9	67.9
9-10 AM	2129	0.0	OFF	2129	0	0.00	0	68.1	68.1	68.1
10-11 AM	2411	0.0	OFF	2411	0	0.00	0	67.8	67.8	67.8
11AM-NOON	2784	0.0	OFF	2784	0	0.00	0	67.3	67.3	67.3
NOON-1PM	3043	0.0	OFF	3043	0	0.00	0	66.9	66.9	66.9
1-2 PM	3463	0.0	OFF	3463	0	0.00	0	66.4	66.4	66.4
2-3 PM	3539	0.0	OFF	3539	0	0.00	0	66.3	66.3	66.3
3-4 PM	3646	0.0	OFF	3646	0	0.00	0	66.0	66.0	66.0
4-5 PM	3915	0.0	OFF	3915	0	0.00	0	64.1	64.1	64.1
5-6 PM	3471	0.0	OFF	3471	0	0.00	0	66.4	66.4	66.4
6-7 PM	2511	0.0	OFF	2511	0	0.00	0	67.6	67.6	67.6
7-8 PM	1863	0.0	3000	1863	0	0.34	0	68.4	60.9	49.7
8-9 PM	1771	0.0	3000	1771	0	0.34	0	68.6	60.9	49.7
9-10 PM	1531	0.0	3000	1531	0	0.34	0	68.8	61.1	49.7
10-11 PM	1070	0.0	3000	1070	0	0.35	0	69.4	61.4	49.7
11PM-MID	654	0.0	3000	654	0	0.36	0	69.9	61.7	49.7

"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

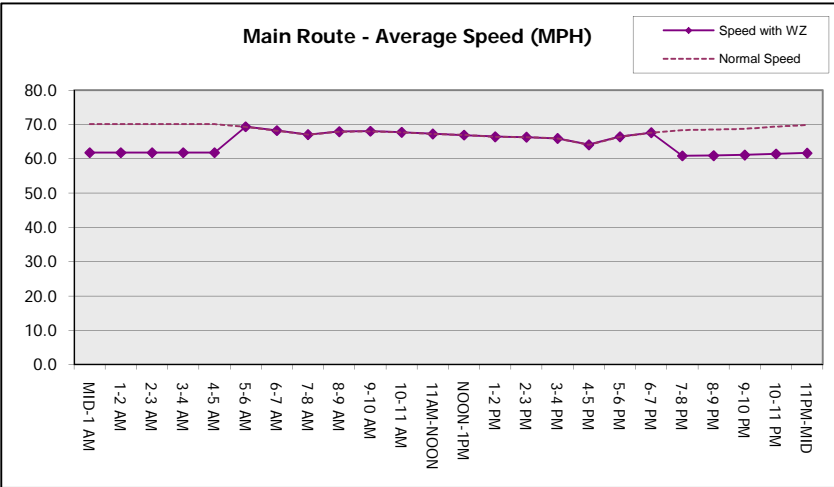
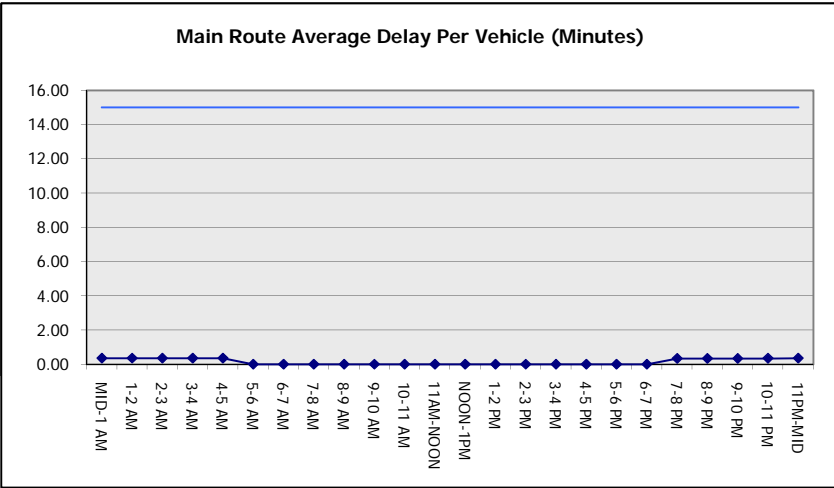
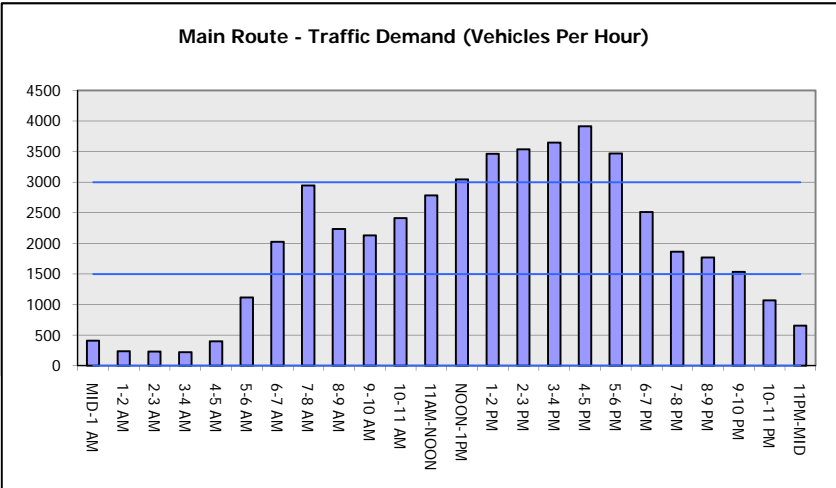
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0235
MAIN ROUTE WITH WORKS	0.0229
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$595
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	331	0.0	3000	331	0	0.36	0	70.2	61.8	49.7
1-2 AM	239	0.0	3000	239	0	0.36	0	70.2	61.8	49.7
2-3 AM	210	0.0	3000	210	0	0.36	0	70.2	61.8	49.7
3-4 AM	211	0.0	3000	211	0	0.36	0	70.2	61.8	49.7
4-5 AM	477	0.0	3000	477	0	0.36	0	70.1	61.8	49.7
5-6 AM	906	0.0	OFF	906	0	0.00	0	69.6	69.6	69.6
6-7 AM	1815	0.0	OFF	1815	0	0.00	0	68.5	68.5	68.5
7-8 AM	2944	0.0	OFF	2944	0	0.00	0	67.1	67.1	67.1
8-9 AM	2450	0.0	OFF	2450	0	0.00	0	67.7	67.7	67.7
9-10 AM	2427	0.0	OFF	2427	0	0.00	0	67.7	67.7	67.7
10-11 AM	2817	0.0	OFF	2817	0	0.00	0	67.3	67.3	67.3
11AM-NOON	3012	0.0	OFF	3012	0	0.00	0	67.0	67.0	67.0
NOON-1PM	3196	0.0	OFF	3196	0	0.00	0	66.8	66.8	66.8
1-2 PM	3249	0.0	OFF	3249	0	0.00	0	66.7	66.7	66.7
2-3 PM	3531	0.0	OFF	3531	0	0.00	0	66.3	66.3	66.3
3-4 PM	3751	0.0	OFF	3751	0	0.00	0	65.2	65.2	65.2
4-5 PM	4083	0.0	OFF	4083	0	0.00	0	63.0	63.0	63.0
5-6 PM	3597	0.0	OFF	3597	0	0.00	0	66.3	66.3	66.3
6-7 PM	2938	0.0	OFF	2938	0	0.00	0	67.1	67.1	67.1
7-8 PM	2220	0.0	3000	2220	0	0.33	0	68.0	60.6	49.7
8-9 PM	1539	0.0	3000	1539	0	0.34	0	68.8	61.1	49.7
9-10 PM	1213	0.0	3000	1213	0	0.35	0	69.2	61.3	49.7
10-11 PM	978	0.0	3000	978	0	0.35	0	69.5	61.5	49.7
11PM-MID	665	0.0	3000	665	0	0.36	0	69.9	61.7	49.7

"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	0.0241
MAIN ROUTE WITH WORKS	0.0235
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$572
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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