

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

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	3000	1117	0	0.35	0	69.4	61.4	49.7
6-7 AM	2025	0.0	3000	2025	0	0.33	0	68.2	60.8	49.7
7-8 AM	2944	0.0	3000	2944	0	0.69	0	67.1	53.7	38.1
8-9 AM	2232	0.0	3000	2232	0	0.33	0	67.9	60.6	49.7
9-10 AM	2129	0.0	3000	2129	0	0.33	0	68.1	60.7	49.7
10-11 AM	2411	0.0	3000	2411	0	0.34	0	67.8	60.2	49.1
11AM-NOON	2784	0.0	2999	2784	0	0.59	0	67.3	55.5	40.9
NOON-1PM	3043	0.0	2999	3043	0	0.98	15	66.9	49.5	37.6
1-2 PM	3463	0.0	3000	3463	0	5.23	279	66.4	23.2	37.3
2-3 PM	3539	0.0	3000	3268	271	14.22+	752	66.3	12.4	37.3
3-4 PM	3646	0.0	3000	3016	630	16.10+	850	66.0	11.7	37.3
4-5 PM	3915	0.0	3000	3021	894	16.05+	852	64.1	11.7	37.3
5-6 PM	3471	0.0	3000	3005	466	16.11+	849	66.4	11.7	37.3
6-7 PM	2511	0.0	2999	2511	0	12.03+	642	67.6	13.6	37.9
7-8 PM	1863	0.0	3000	1863	0	0.92	57	68.4	51.1	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

+ 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	0.0235
MAIN ROUTE WITH WORKS	0.0194
'DIVERSION'	0.0026
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$66,112
CONGESTED HOURS PER DAY*	5

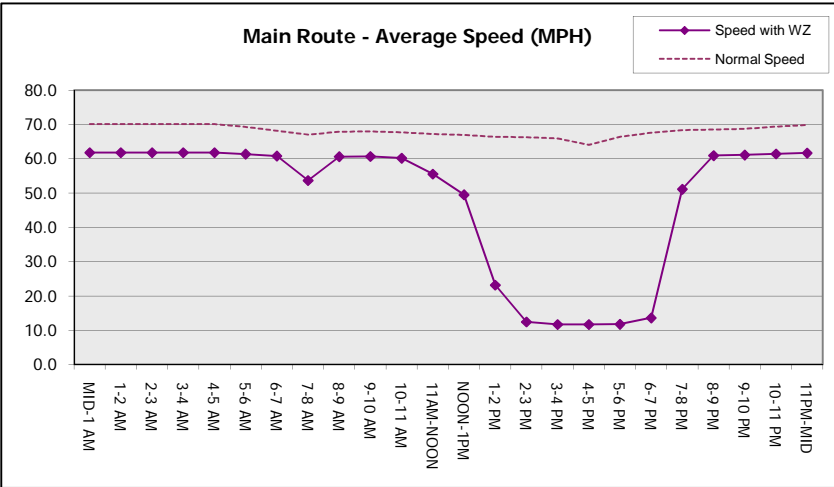
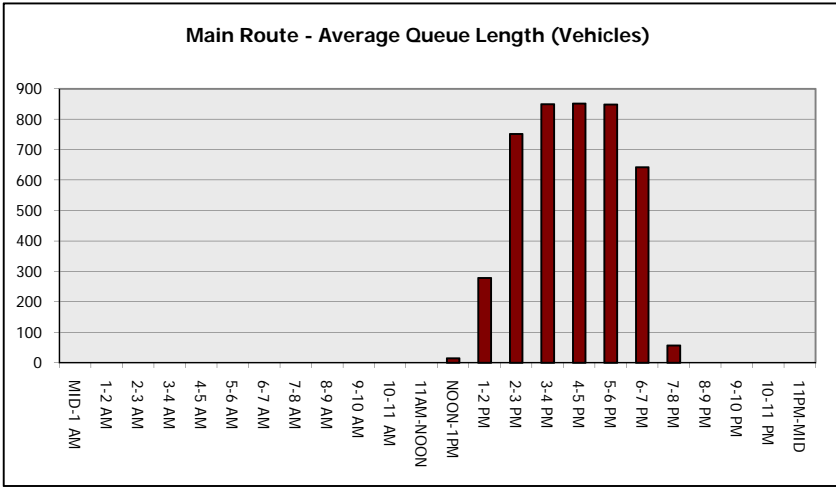
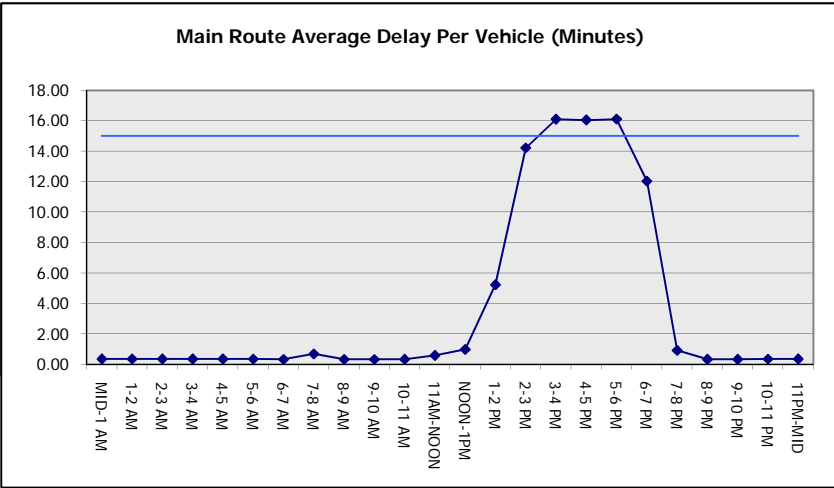
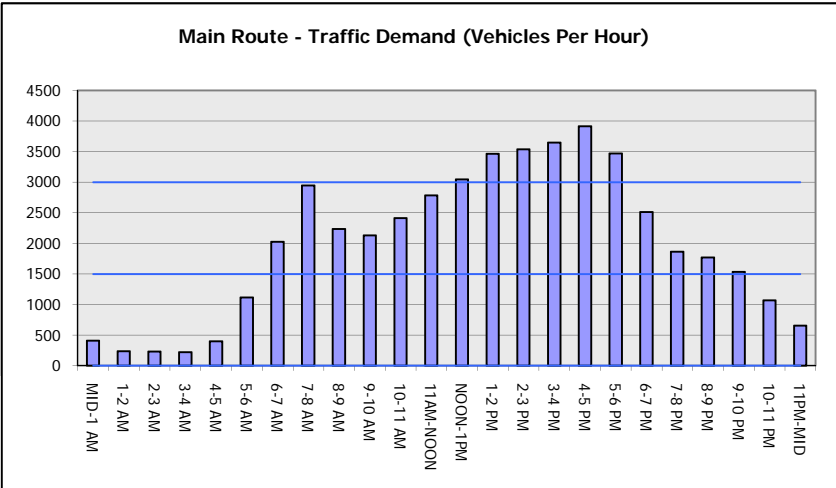
*Delays Exceeding User-Specified Maximum

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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	3000	906	0	0.35	0	69.6	61.5	49.7
6-7 AM	1815	0.0	2999	1815	0	0.34	0	68.5	60.9	49.7
7-8 AM	2944	0.0	2999	2944	0	0.73	2	67.1	53.0	38.3
8-9 AM	2450	0.0	3000	2450	0	0.37	0	67.7	59.6	48.1
9-10 AM	2427	0.0	3000	2427	0	0.35	0	67.7	60.0	48.6
10-11 AM	2817	0.0	2999	2817	0	0.61	0	67.3	55.1	40.3
11AM-NOON	3012	0.0	2999	3012	0	0.84	7	67.0	51.4	37.5
NOON-1PM	3196	0.0	3000	3196	0	2.76	120	66.8	33.5	37.3
1-2 PM	3249	0.0	2999	3249	0	6.73	339	66.7	19.5	37.3
2-3 PM	3531	0.0	3000	3376	155	13.28+	704	66.3	12.8	37.3
3-4 PM	3751	0.0	3000	3000	751	16.08+	850	65.2	11.7	37.3
4-5 PM	4083	0.0	2999	3001	1081	15.98+	852	63.0	11.7	37.3
5-6 PM	3597	0.0	3000	2999	597	16.12+	850	66.3	11.7	37.3
6-7 PM	2938	0.0	3000	2882	56	15.60+	820	67.1	11.9	37.3
7-8 PM	2220	0.0	2999	2220	0	5.65	389	68.0	22.5	43.2
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

+ 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	0.0241
MAIN ROUTE WITH WORKS	0.0197
'DIVERSION'	0.0030

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$75,363
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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