

USH 41: STH 125 TO USH 10 (WINNEBAGO AND OUTAGAMIE COUNTIES) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	245	0.0	1500	245	0	0.50	0	70.2	59.0	44.5
1-2 AM	163	0.0	1500	163	0	0.49	0	70.2	59.2	44.8
2-3 AM	162	0.0	1500	162	0	0.49	0	70.2	59.2	44.8
3-4 AM	185	0.0	1500	185	0	0.49	0	70.2	59.1	44.7
4-5 AM	399	0.0	1500	399	0	0.52	0	70.2	58.6	43.9
5-6 AM	1213	0.0	1499	1213	0	0.79	0	69.2	53.4	36.8
6-7 AM	2315	0.0	1499	1838	477	9.29+	260	67.9	15.5	30.8
7-8 AM	3465	0.0	1499	1500	1965	16.28+	399	66.4	9.7	30.8
8-9 AM	2318	0.0	1499	1500	818	16.34+	400	67.9	9.7	30.8
9-10 AM	1839	0.0	1500	1535	304	16.20+	396	68.4	9.8	30.8
10-11 AM	1891	0.0	1500	1500	391	16.36+	400	68.4	9.7	30.8
11AM-NOON	2094	0.0	1500	1500	594	16.35+	399	68.1	9.7	30.8
NOON-1PM	2286	0.0	1500	1500	786	16.34+	400	67.9	9.7	30.8
1-2 PM	2524	0.0	1500	1500	1024	16.33+	400	67.6	9.7	30.8
2-3 PM	2729	0.0	1499	1500	1229	16.32+	399	67.3	9.7	30.8
3-4 PM	2875	0.0	1500	1500	1375	16.31+	400	67.1	9.7	30.8
4-5 PM	3365	0.0	1500	1500	1865	16.28+	400	66.6	9.7	30.8
5-6 PM	3131	0.0	1499	1500	1631	16.29+	400	66.8	9.7	30.8
6-7 PM	2000	0.0	1500	1500	500	16.35+	400	68.2	9.7	30.8
7-8 PM	1514	0.0	1500	1502	13	16.03+	391	68.9	9.9	30.8
8-9 PM	1410	0.0	1500	1410	0	14.02	339	69.0	11.1	30.8
9-10 PM	1207	0.0	1499	1207	0	5.78	158	69.2	22.0	33.6
10-11 PM	786	0.0	1500	786	0	0.56	0	69.7	57.6	42.4
11PM-MID	410	0.0	1500	410	0	0.52	0	70.2	58.6	43.8

+ 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	0.0200
MAIN ROUTE WITH WORKS	0.0118
'DIVERSION'	0.0148
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$125,490
CONGESTED HOURS PER DAY*	14

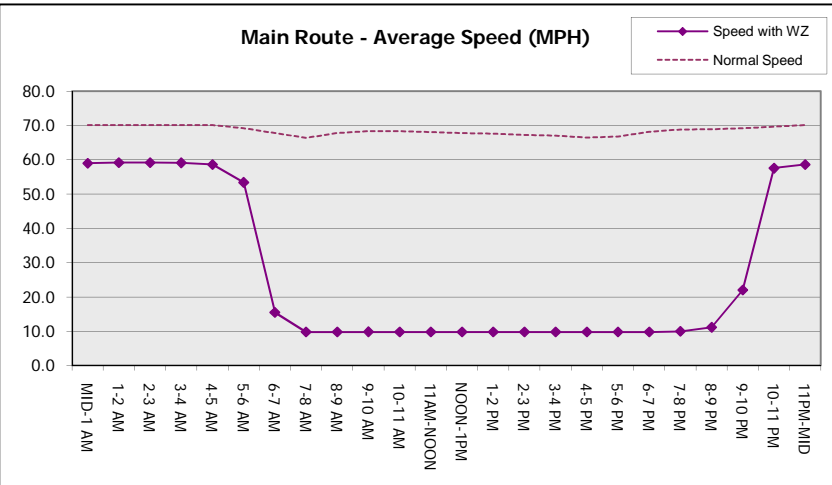
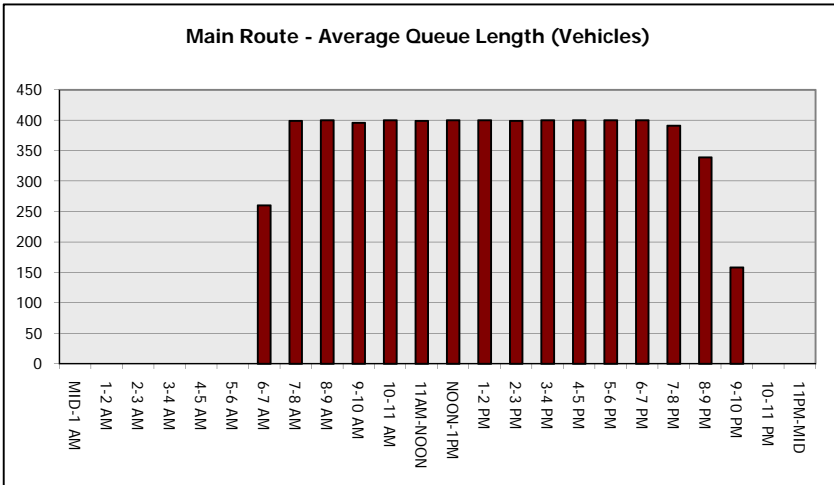
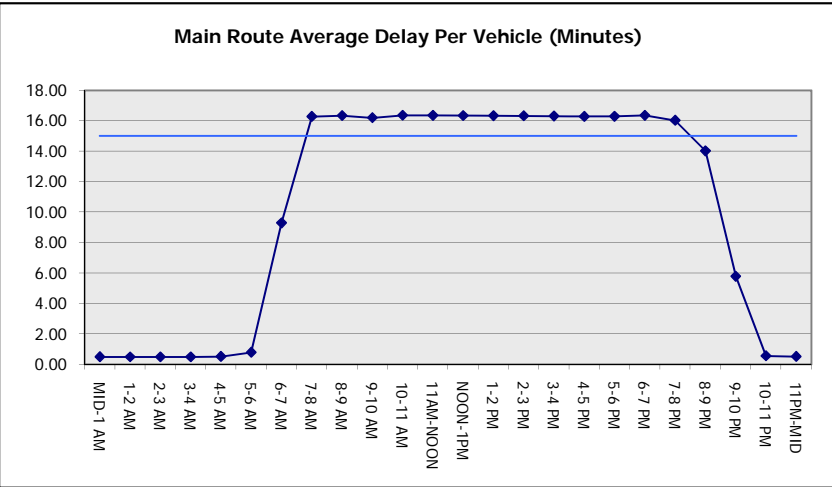
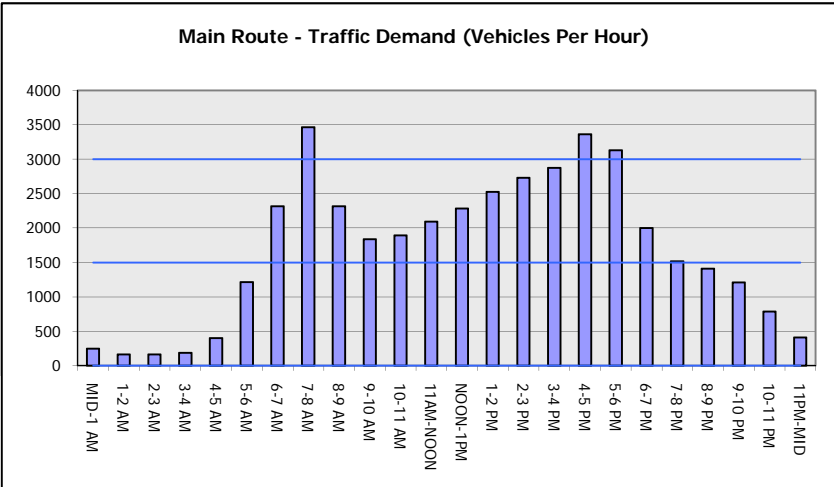
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	239	0.0	1500	239	0	0.50	0	70.2	59.0	44.5
1-2 AM	165	0.0	1500	165	0	0.49	0	70.2	59.2	44.8
2-3 AM	142	0.0	1500	142	0	0.49	0	70.2	59.2	44.9
3-4 AM	148	0.0	1500	148	0	0.49	0	70.2	59.2	44.9
4-5 AM	321	0.0	1500	321	0	0.51	0	70.2	58.8	44.2
5-6 AM	926	0.0	1499	926	0	0.58	0	69.6	57.2	41.9
6-7 AM	1850	0.0	1499	1850	0	3.86	110	68.4	28.3	30.8
7-8 AM	2988	0.0	1499	1500	1488	16.30+	399	67.0	9.7	30.8
8-9 AM	2357	0.0	1500	1500	857	16.33+	400	67.8	9.7	30.8
9-10 AM	2035	0.0	1500	1500	535	16.35+	400	68.2	9.7	30.8
10-11 AM	2099	0.0	1500	1500	599	16.35+	400	68.1	9.7	30.8
11AM-NOON	2262	0.0	1500	1500	762	16.34+	400	67.9	9.7	30.8
NOON-1PM	2290	0.0	1500	1500	790	16.34+	400	67.9	9.7	30.8
1-2 PM	2308	0.0	1500	1500	808	16.34+	400	67.9	9.7	30.8
2-3 PM	2671	0.0	1500	1500	1171	16.32+	400	67.4	9.7	30.8
3-4 PM	3295	0.0	1500	1500	1795	16.29+	400	66.6	9.7	30.8
4-5 PM	3886	0.0	1500	1500	2386	16.19+	400	64.3	9.7	30.8
5-6 PM	3362	0.0	1500	1500	1862	16.28+	400	66.6	9.7	30.8
6-7 PM	2157	0.0	1500	1504	652	16.33+	399	68.1	9.7	30.8
7-8 PM	1400	0.0	1500	1400	0	13.82	335	69.0	11.2	30.8
8-9 PM	1151	0.0	1499	1151	0	3.25	106	69.3	31.4	36.2
9-10 PM	901	0.0	1500	901	0	0.58	0	69.6	57.3	42.0
10-11 PM	715	0.0	1500	715	0	0.56	0	69.9	57.8	42.7
11PM-MID	447	0.0	1500	447	0	0.53	0	70.2	58.5	43.7

+ 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	0.0198
MAIN ROUTE WITH WORKS	0.0113
'DIVERSION'	0.0157

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$120,448
CONGESTED HOURS PER DAY*	12

*Delays Exceeding User-Specified Maximum

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