

USH 41: STH 125 TO USH 10 (WINNEBAGO AND OUTAGAMIE COUNTIES) NIGHTTIME 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	OFF	1213	0	0.00	0	69.2	69.2	69.2	
6-7 AM	2315	0.0	OFF	2315	0	0.00	0	67.9	67.9	67.9	
7-8 AM	3465	0.0	OFF	3465	0	0.00	0	66.4	66.4	66.4	
8-9 AM	2318	0.0	OFF	2318	0	0.00	0	67.9	67.9	67.9	
9-10 AM	1839	0.0	OFF	1839	0	0.00	0	68.4	68.4	68.4	
10-11 AM	1891	0.0	OFF	1891	0	0.00	0	68.4	68.4	68.4	
11AM-NOON	2094	0.0	OFF	2094	0	0.00	0	68.1	68.1	68.1	
NOON-1PM	2286	0.0	OFF	2286	0	0.00	0	67.9	67.9	67.9	
1-2 PM	2524	0.0	OFF	2524	0	0.00	0	67.6	67.6	67.6	
2-3 PM	2729	0.0	OFF	2729	0	0.00	0	67.3	67.3	67.3	
3-4 PM	2875	0.0	OFF	2875	0	0.00	0	67.1	67.1	67.1	
4-5 PM	3365	0.0	OFF	3365	0	0.00	0	66.6	66.6	66.6	
5-6 PM	3131	0.0	OFF	3131	0	0.00	0	66.8	66.8	66.8	
6-7 PM	2000	0.0	OFF	2000	0	0.00	0	68.2	68.2	68.2	
7-8 PM	1514	0.0	1499	1514	0	2.06	25	68.9	39.1	31.0	
8-9 PM	1410	0.0	1500	1410	0	1.05	1	69.0	49.6	32.7	
9-10 PM	1207	0.0	1500	1207	0	0.72	0	69.2	54.6	38.2	
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	

"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

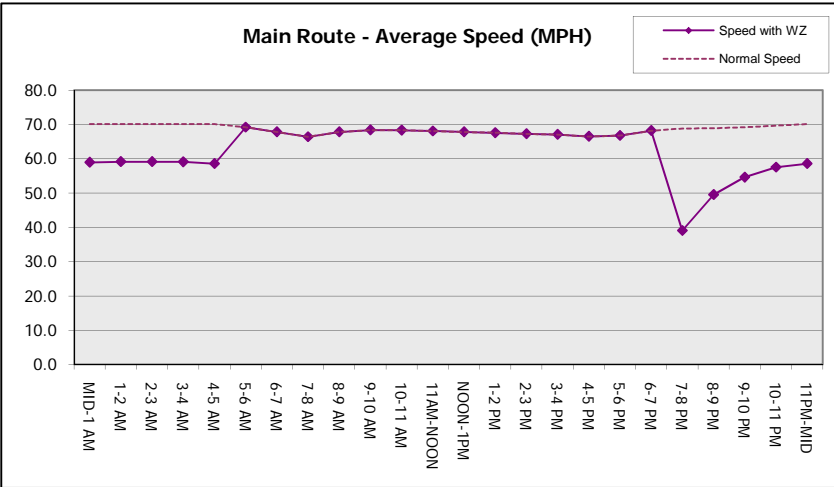
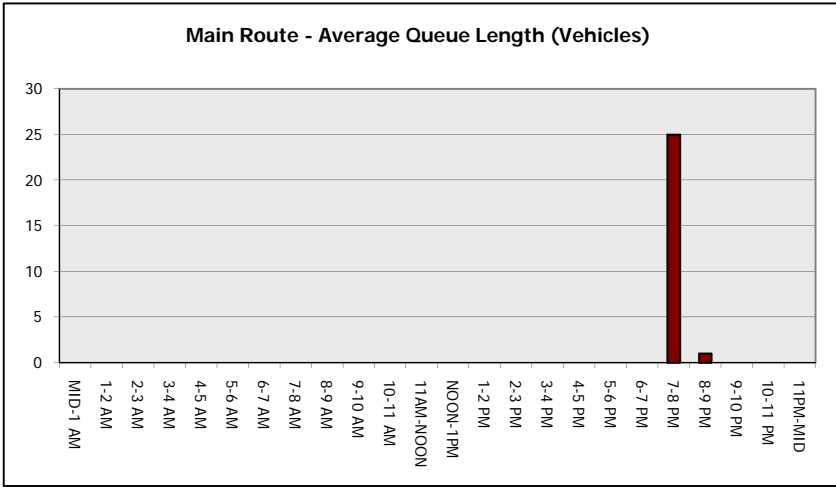
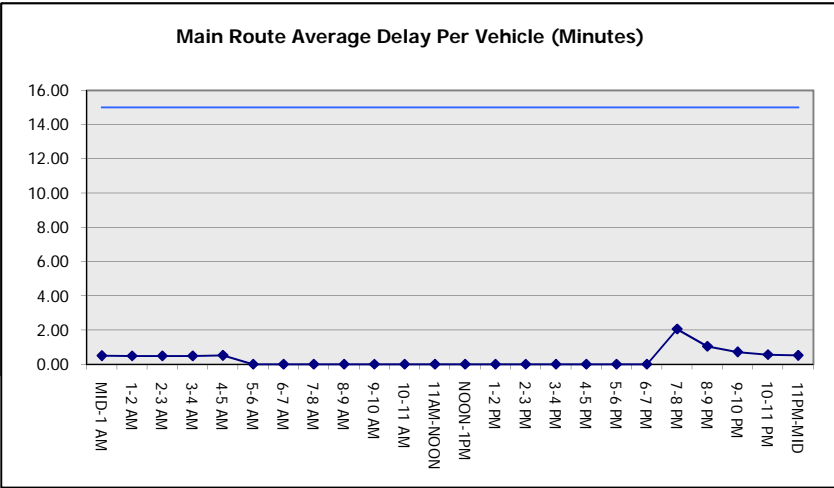
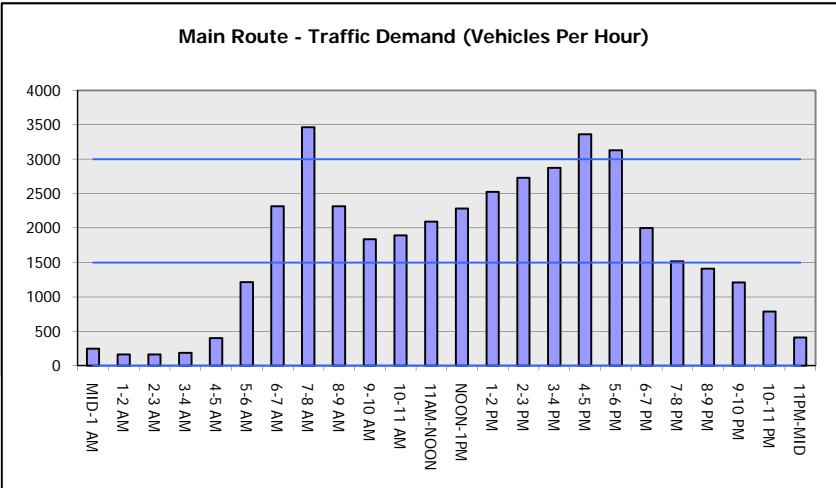
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0200
MAIN ROUTE WITH WORKS	0.0196
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,427
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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MAY
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 Construction Season

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	OFF	926	0	0.00	0	69.6	69.6	69.6
6-7 AM	1850	0.0	OFF	1850	0	0.00	0	68.4	68.4	68.4
7-8 AM	2988	0.0	OFF	2988	0	0.00	0	67.0	67.0	67.0
8-9 AM	2357	0.0	OFF	2357	0	0.00	0	67.8	67.8	67.8
9-10 AM	2035	0.0	OFF	2035	0	0.00	0	68.2	68.2	68.2
10-11 AM	2099	0.0	OFF	2099	0	0.00	0	68.1	68.1	68.1
11AM-NOON	2262	0.0	OFF	2262	0	0.00	0	67.9	67.9	67.9
NOON-1PM	2290	0.0	OFF	2290	0	0.00	0	67.9	67.9	67.9
1-2 PM	2308	0.0	OFF	2308	0	0.00	0	67.9	67.9	67.9
2-3 PM	2671	0.0	OFF	2671	0	0.00	0	67.4	67.4	67.4
3-4 PM	3295	0.0	OFF	3295	0	0.00	0	66.6	66.6	66.6
4-5 PM	3886	0.0	OFF	3886	0	0.00	0	64.3	64.3	64.3
5-6 PM	3362	0.0	OFF	3362	0	0.00	0	66.6	66.6	66.6
6-7 PM	2157	0.0	OFF	2157	0	0.00	0	68.1	68.1	68.1
7-8 PM	1400	0.0	1499	1400	0	1.07	3	69.0	49.4	33.5
8-9 PM	1151	0.0	1500	1151	0	0.64	0	69.3	55.9	40.1
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

"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	0.0198
MAIN ROUTE WITH WORKS	0.0194
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$831
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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