

USH 41: STH 125 TO USH 10 (WINNEBAGO AND OUTAGAMIE COUNTIES) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	418	0.0	OFF	418	0	0.00	0	70.2	70.2	70.2	
1-2 AM	264	0.0	OFF	264	0	0.00	0	70.2	70.2	70.2	
2-3 AM	279	0.0	OFF	279	0	0.00	0	70.2	70.2	70.2	
3-4 AM	155	0.0	OFF	155	0	0.00	0	70.2	70.2	70.2	
4-5 AM	140	0.0	OFF	140	0	0.00	0	70.2	70.2	70.2	
5-6 AM	224	0.0	OFF	224	0	0.00	0	70.2	70.2	70.2	
6-7 AM	377	0.0	OFF	377	0	0.00	0	70.2	70.2	70.2	
7-8 AM	557	0.0	OFF	557	0	0.00	0	70.0	70.0	70.0	
8-9 AM	932	0.0	OFF	932	0	0.00	0	69.6	69.6	69.6	
9-10 AM	1373	0.0	1499	1373	0	0.93	0	69.1	51.4	33.8	
10-11 AM	1763	0.0	1499	1763	0	4.40	108	68.6	26.1	30.8	
11AM-NOON	2118	0.0	1499	1680	438	15.64+	384	68.1	10.1	30.8	
NOON-1PM	2460	0.0	1500	1500	960	16.33+	400	67.7	9.7	30.8	
1-2 PM	2438	0.0	1500	1500	938	16.33+	400	67.7	9.7	30.8	
2-3 PM	2448	0.0	1500	1500	948	16.33+	400	67.7	9.7	30.8	
3-4 PM	2482	0.0	1500	1500	982	16.33+	400	67.6	9.7	30.8	
4-5 PM	2475	0.0	1500	1500	975	16.33+	400	67.7	9.7	30.8	
5-6 PM	2272	0.0	1500	1500	772	16.34+	400	67.9	9.7	30.8	
6-7 PM	1799	0.0	1499	1460	339	16.20+	395	68.5	9.8	30.8	
7-8 PM	1482	0.0	OFF	1482	0	0.20	18	68.9	64.1	64.1	
8-9 PM	1071	0.0	OFF	1071	0	0.00	0	69.4	69.4	69.4	
9-10 PM	902	0.0	OFF	902	0	0.00	0	69.6	69.6	69.6	
10-11 PM	607	0.0	OFF	607	0	0.00	0	70.0	70.0	70.0	
11PM-MID	341	0.0	OFF	341	0	0.00	0	70.2	70.2	70.2	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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

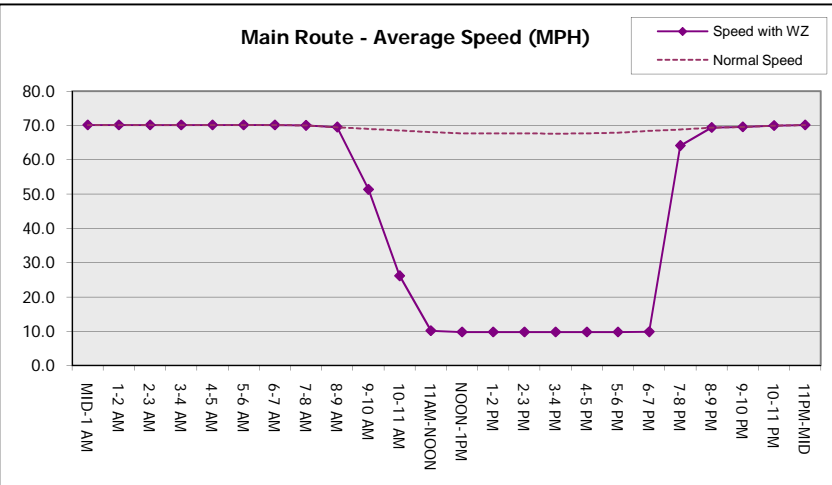
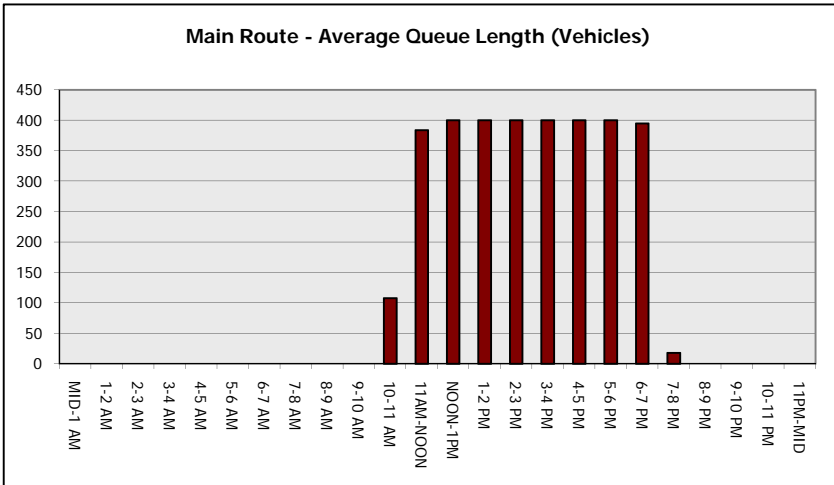
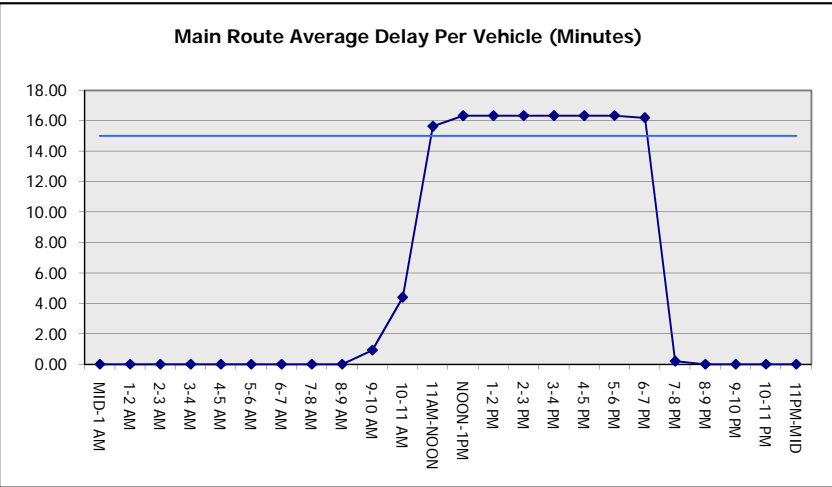
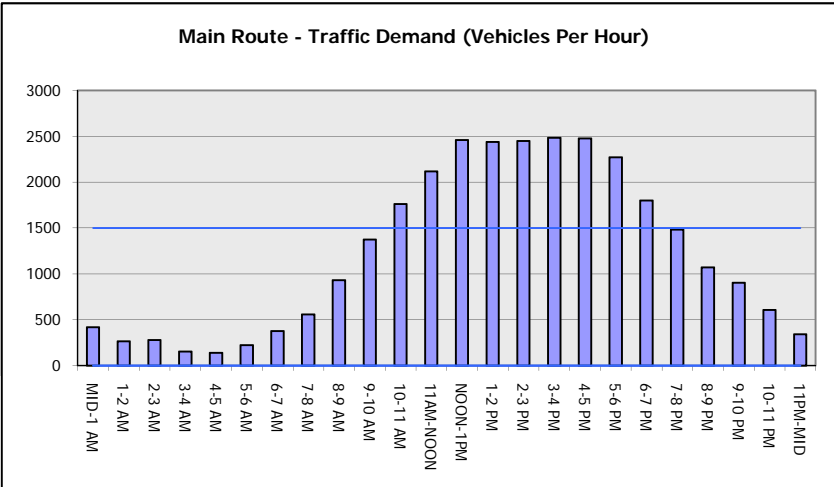
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0145
MAIN ROUTE WITH WORKS	0.0104
'DIVERSION'	0.0073
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$85,613
CONGESTED HOURS PER DAY*	8

*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	312	0.0	OFF	312	0	0.00	0	70.2	70.2	70.2
1-2 AM	217	0.0	OFF	217	0	0.00	0	70.2	70.2	70.2
2-3 AM	174	0.0	OFF	174	0	0.00	0	70.2	70.2	70.2
3-4 AM	111	0.0	OFF	111	0	0.00	0	70.2	70.2	70.2
4-5 AM	107	0.0	OFF	107	0	0.00	0	70.2	70.2	70.2
5-6 AM	226	0.0	OFF	226	0	0.00	0	70.2	70.2	70.2
6-7 AM	306	0.0	OFF	306	0	0.00	0	70.2	70.2	70.2
7-8 AM	570	0.0	OFF	570	0	0.00	0	70.0	70.0	70.0
8-9 AM	798	0.0	OFF	798	0	0.00	0	69.7	69.7	69.7
9-10 AM	1344	0.0	1499	1344	0	0.89	0	69.1	52.0	34.7
10-11 AM	1881	0.0	1499	1881	0	5.98	164	68.4	21.4	30.8
11AM-NOON	2183	0.0	1499	1500	683	16.34+	399	68.0	9.7	30.8
NOON-1PM	2220	0.0	1500	1500	720	16.34+	400	68.0	9.7	30.8
1-2 PM	2135	0.0	1500	1500	635	16.35+	400	68.1	9.7	30.8
2-3 PM	1998	0.0	1500	1500	498	16.35+	400	68.2	9.7	30.8
3-4 PM	2017	0.0	1500	1500	517	16.35+	400	68.2	9.7	30.8
4-5 PM	1930	0.0	1500	1500	430	16.36+	399	68.3	9.7	30.8
5-6 PM	1780	0.0	1500	1500	280	16.36+	400	68.5	9.7	30.8
6-7 PM	1616	0.0	1500	1525	91	16.25+	396	68.7	9.8	30.8
7-8 PM	1270	0.0	OFF	1270	0	0.19	17	69.2	64.5	64.5
8-9 PM	1020	0.0	OFF	1020	0	0.00	0	69.5	69.5	69.5
9-10 PM	773	0.0	OFF	773	0	0.00	0	69.8	69.8	69.8
10-11 PM	528	0.0	OFF	528	0	0.00	0	70.0	70.0	70.0
11PM-MID	309	0.0	OFF	309	0	0.00	0	70.2	70.2	70.2

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0127
MAIN ROUTE WITH WORKS	0.0098
'DIVERSION'	0.0044

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$75,246
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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