

USH 41: STH 125 TO USH 10 (WINNEBAGO AND OUTAGAMIE COUNTIES) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER
	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	452	0.0	1500	452	0	0.53	0	70.2	58.5	43.7	
1-2 AM	293	0.0	1500	293	0	0.51	0	70.2	58.9	44.3	
2-3 AM	289	0.0	1500	289	0	0.51	0	70.2	59.1	44.7	
3-4 AM	187	0.0	1500	187	0	0.50	0	70.2	59.2	44.8	
4-5 AM	164	0.0	1500	164	0	0.49	0	70.2	59.1	44.6	
5-6 AM	218	0.0	1500	218	0	0.50	0	70.2	58.7	44.1	
6-7 AM	345	0.0	1500	345	0	0.51	0	70.2	58.6	43.7	
7-8 AM	443	0.0	1500	443	0	0.53	0	70.2	57.6	42.5	
8-9 AM	764	0.0	1500	764	0	0.56	0	69.8	69.3	69.3	
9-10 AM	1150	0.0	OFF	1150	0	0.00	0	69.3	68.7	68.7	
10-11 AM	1615	0.0	OFF	1615	0	0.00	0	68.7	68.1	68.1	
11AM-NOON	2083	0.0	OFF	2083	0	0.00	0	68.1	67.7	67.7	
NOON-1PM	2455	0.0	OFF	2455	0	0.00	0	67.7	67.5	67.5	
1-2 PM	2595	0.0	OFF	2595	0	0.00	0	67.5	67.3	67.3	
2-3 PM	2776	0.0	OFF	2776	0	0.00	0	67.3	67.0	67.0	
3-4 PM	3004	0.0	OFF	3004	0	0.00	0	67.0	66.9	66.9	
4-5 PM	3062	0.0	OFF	3062	0	0.00	0	66.9	67.3	67.3	
5-6 PM	2821	0.0	OFF	2821	0	0.00	0	67.3	67.8	67.8	
6-7 PM	2331	0.0	OFF	2331	0	0.00	0	67.8	25.5	30.8	
7-8 PM	1613	0.0	1499	1613	0	4.58	95	68.7	48.1	39.1	
8-9 PM	1090	0.0	1500	1090	0	1.19	20	69.4	57.6	42.4	
9-10 PM	786	0.0	1500	786	0	0.56	0	69.7	58.2	43.3	
10-11 PM	556	0.0	1500	556	0	0.54	0	70.0	57.9	42.8	
11PM-MID	685	0.0	1500	685	0	0.55	0	69.9			

"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

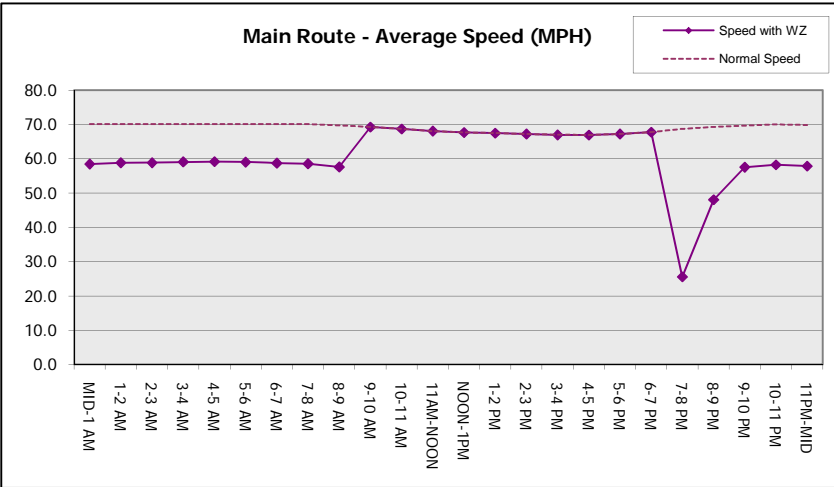
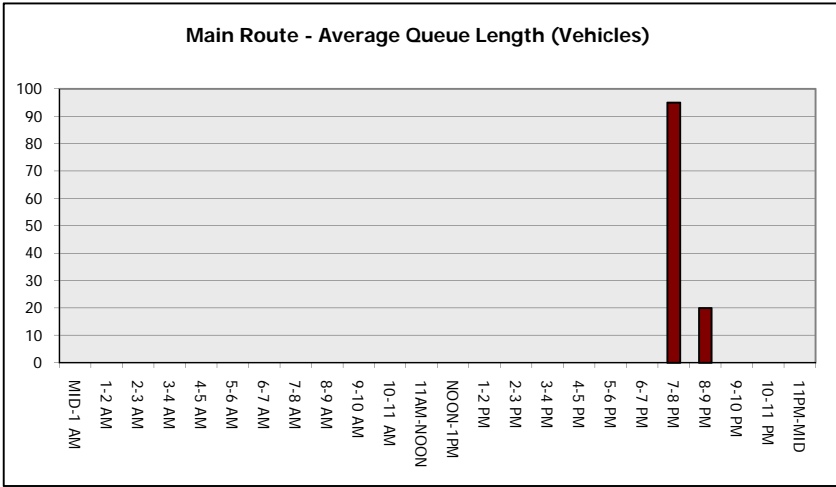
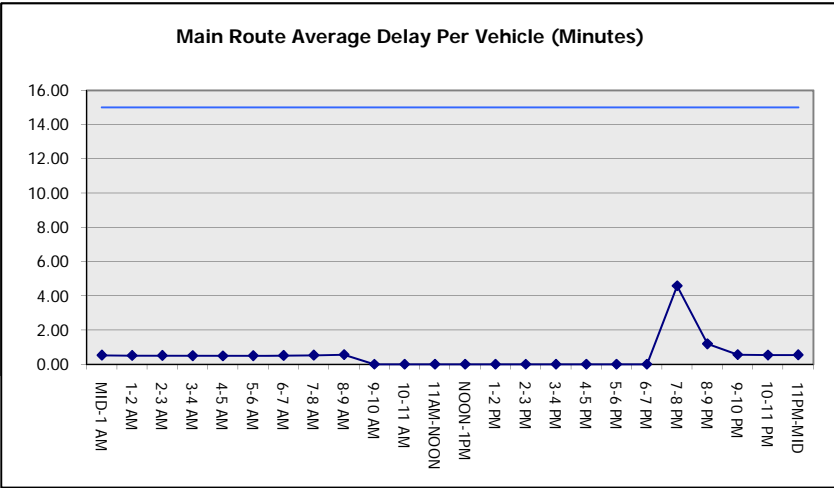
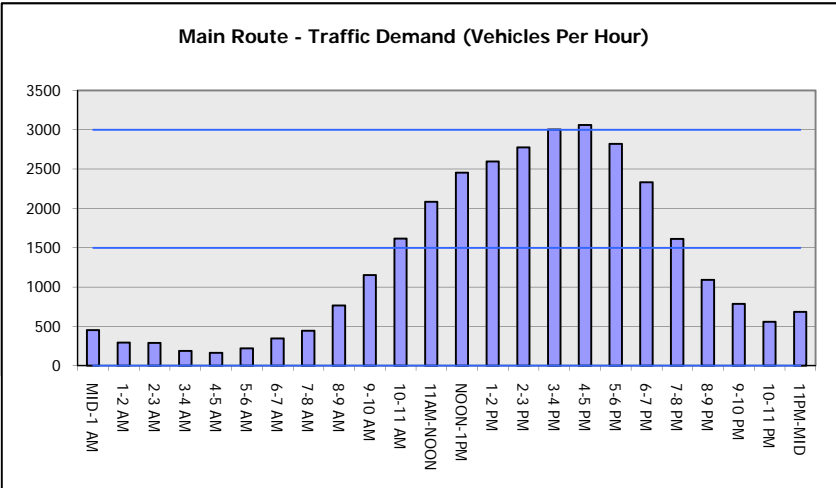
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0157
MAIN ROUTE WITH WORKS	0.0152
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,909
CONGESTED HOURS PER DAY*	0

*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	360	0.0	1500	360	0	0.52	0	70.2	58.7	44.0
1-2 AM	247	0.0	1500	247	0	0.50	0	70.2	59.0	44.5
2-3 AM	196	0.0	1500	196	0	0.50	0	70.2	59.1	44.7
3-4 AM	132	0.0	1500	132	0	0.49	0	70.2	59.2	45.0
4-5 AM	122	0.0	1500	122	0	0.49	0	70.2	59.2	45.0
5-6 AM	222	0.0	1500	222	0	0.50	0	70.2	59.1	44.6
6-7 AM	324	0.0	1500	324	0	0.51	0	70.2	58.8	44.2
7-8 AM	551	0.0	1500	551	0	0.54	0	70.0	58.2	43.3
8-9 AM	1105	0.0	1499	1105	0	0.68	0	69.4	55.3	39.2
9-10 AM	1805	0.0	OFF	1805	0	0.00	0	68.5	68.5	68.5
10-11 AM	2198	0.0	OFF	2198	0	0.00	0	68.0	68.0	68.0
11AM-NOON	2323	0.0	OFF	2323	0	0.00	0	67.9	67.9	67.9
NOON-1PM	2432	0.0	OFF	2432	0	0.00	0	67.7	67.7	67.7
1-2 PM	2286	0.0	OFF	2286	0	0.00	0	67.9	67.9	67.9
2-3 PM	2303	0.0	OFF	2303	0	0.00	0	67.9	67.9	67.9
3-4 PM	2428	0.0	OFF	2428	0	0.00	0	67.7	67.7	67.7
4-5 PM	2269	0.0	OFF	2269	0	0.00	0	67.9	67.9	67.9
5-6 PM	1854	0.0	OFF	1854	0	0.00	0	68.4	68.4	68.4
6-7 PM	1517	0.0	OFF	1517	0	0.00	0	68.9	68.9	68.9
7-8 PM	1080	0.0	1500	1080	0	0.60	0	69.4	56.8	41.4
8-9 PM	811	0.0	1500	811	0	0.57	0	69.7	57.5	42.4
9-10 PM	606	0.0	1500	606	0	0.54	0	70.0	58.1	43.1
10-11 PM	455	0.0	1500	455	0	0.53	0	70.2	58.5	43.7
11PM-MID	266	0.0	1500	266	0	0.50	0	70.2	58.9	44.4

"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	0.0138
MAIN ROUTE WITH WORKS	0.0133
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$932
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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