

USH 41: USH 10 TO STH 114 (WINNEBAGO COUNTY) NIGHTTIME 2 LANE 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	513	0.0	1500	513	0	0.53	0	70.1	58.3	43.5	
1-2 AM	293	0.0	1500	293	0	0.51	0	70.2	58.9	44.3	
2-3 AM	291	0.0	1500	291	0	0.51	0	70.2	58.9	44.3	
3-4 AM	336	0.0	1500	336	0	0.51	0	70.2	58.8	44.2	
4-5 AM	553	0.0	1500	553	0	0.54	0	70.0	58.2	43.3	
5-6 AM	1221	0.0	OFF	1221	0	0.00	0	69.2	69.2	69.2	
6-7 AM	2407	0.0	OFF	2407	0	0.00	0	67.8	67.8	67.8	
7-8 AM	3254	0.0	OFF	3254	0	0.00	0	66.7	66.7	66.7	
8-9 AM	2788	0.0	OFF	2788	0	0.00	0	67.3	67.3	67.3	
9-10 AM	2674	0.0	OFF	2674	0	0.00	0	67.4	67.4	67.4	
10-11 AM	2857	0.0	OFF	2857	0	0.00	0	67.2	67.2	67.2	
11AM-NOON	3059	0.0	OFF	3059	0	0.00	0	66.9	66.9	66.9	
NOON-1PM	3269	0.0	OFF	3269	0	0.00	0	66.7	66.7	66.7	
1-2 PM	3549	0.0	OFF	3549	0	0.00	0	66.3	66.3	66.3	
2-3 PM	3893	0.0	OFF	3893	0	0.00	0	64.3	64.3	64.3	
3-4 PM	4012	0.0	OFF	4012	0	0.00	0	63.5	63.5	63.5	
4-5 PM	4231	0.0	OFF	4231	0	0.00	0	62.0	62.0	62.0	
5-6 PM	3618	0.0	OFF	3618	0	0.00	0	66.1	66.1	66.1	
6-7 PM	2504	0.0	OFF	2504	0	0.00	0	67.6	67.6	67.6	
7-8 PM	1816	0.0	1499	1816	0	7.43	188	68.5	18.3	30.8	
8-9 PM	1539	0.0	1499	1539	0	14.30	346	68.8	10.9	30.8	
9-10 PM	1475	0.0	1500	1475	0	14.55	352	68.9	10.8	30.8	
10-11 PM	1222	0.0	1499	1222	0	8.30	214	69.2	17.0	32.8	
11PM-MID	737	0.0	1500	737	0	0.62	2	69.8	56.7	42.6	

"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

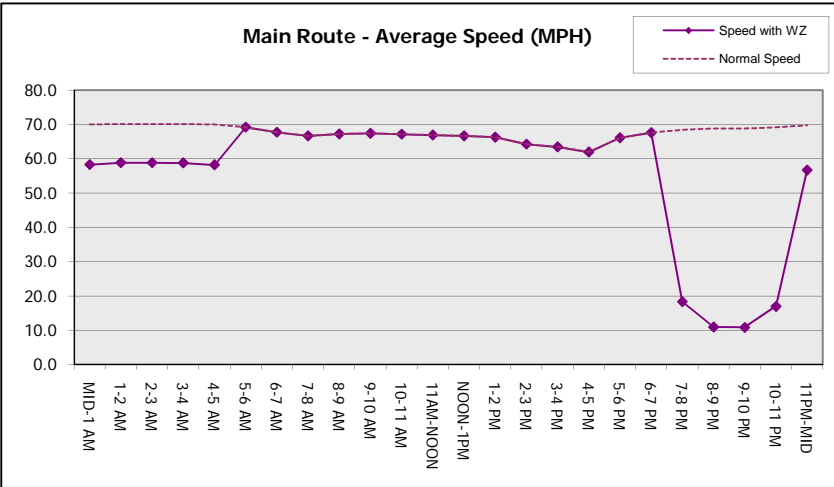
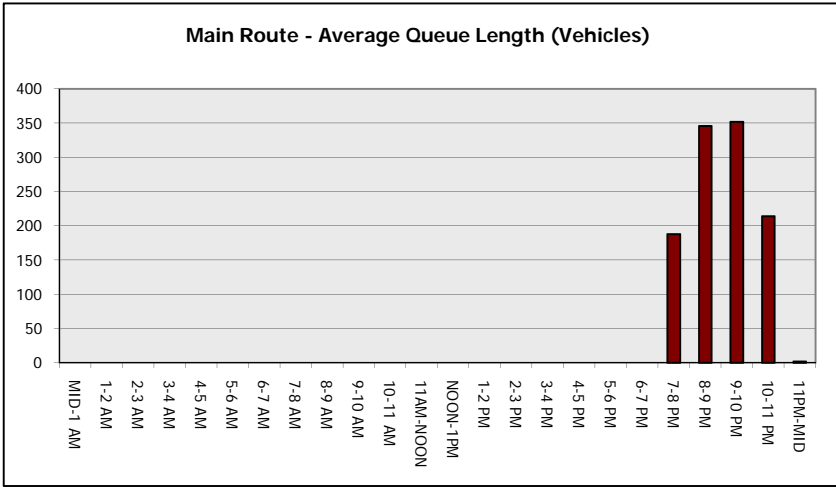
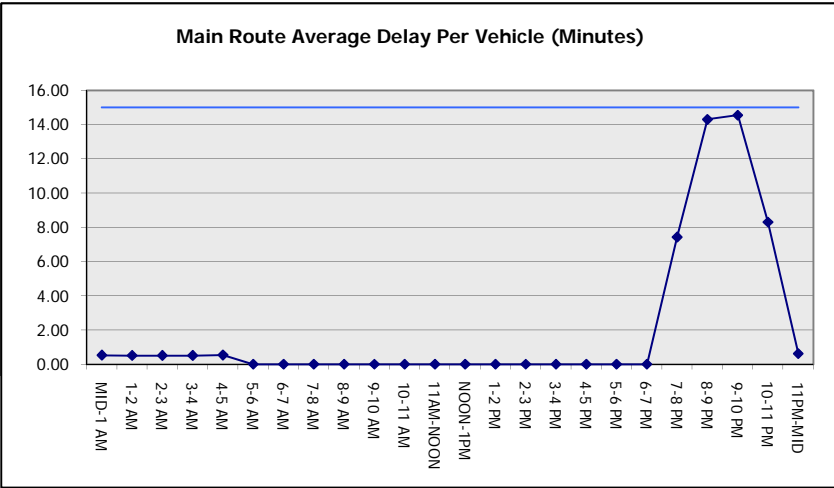
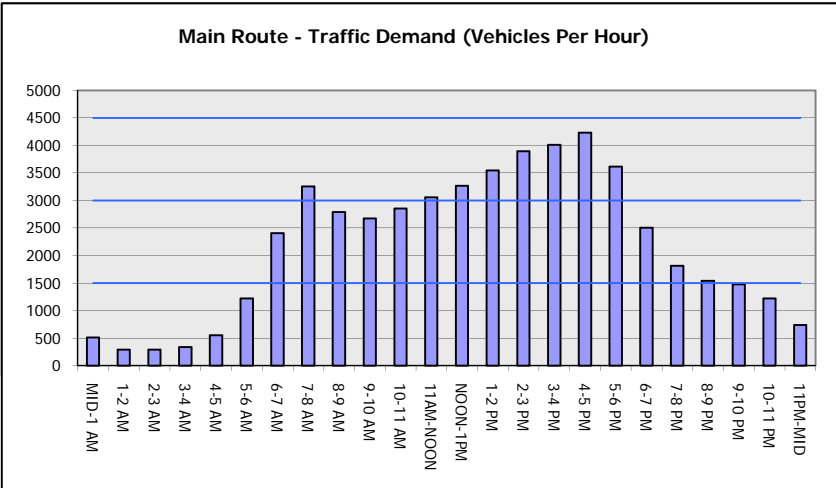
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0257
MAIN ROUTE WITH WORKS	0.0251
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$16,498
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



USH 41: USH 10 TO STH 114 (WINNEBAGO COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	447	0.0	1500	447	0	0.53	0	70.2	58.5	43.7
1-2 AM	301	0.0	1500	301	0	0.51	0	70.2	58.9	44.3
2-3 AM	283	0.0	1500	283	0	0.51	0	70.2	58.9	44.3
3-4 AM	272	0.0	1500	272	0	0.51	0	70.2	58.9	44.4
4-5 AM	488	0.0	1500	488	0	0.53	0	70.1	58.4	43.5
5-6 AM	1236	0.0	OFF	1236	0	0.00	0	69.2	69.2	69.2
6-7 AM	2219	0.0	OFF	2219	0	0.00	0	68.0	68.0	68.0
7-8 AM	3393	0.0	OFF	3393	0	0.00	0	66.5	66.5	66.5
8-9 AM	2720	0.0	OFF	2720	0	0.00	0	67.4	67.4	67.4
9-10 AM	2747	0.0	OFF	2747	0	0.00	0	67.3	67.3	67.3
10-11 AM	3048	0.0	OFF	3048	0	0.00	0	66.9	66.9	66.9
11AM-NOON	3278	0.0	OFF	3278	0	0.00	0	66.6	66.6	66.6
NOON-1PM	3444	0.0	OFF	3444	0	0.00	0	66.4	66.4	66.4
1-2 PM	3596	0.0	OFF	3596	0	0.00	0	66.3	66.3	66.3
2-3 PM	3997	0.0	OFF	3997	0	0.00	0	63.5	63.5	63.5
3-4 PM	4353	0.0	OFF	4353	0	0.00	0	61.1	61.1	61.1
4-5 PM	4648	0.0	OFF	4648	0	0.00	0	59.1	59.1	59.1
5-6 PM	4437	0.0	OFF	4437	0	0.00	0	60.5	60.5	60.5
6-7 PM	3541	0.0	OFF	3541	0	0.00	0	66.3	66.3	66.3
7-8 PM	2747	0.0	1499	1607	1141	14.67+	372	67.3	10.7	36.1
8-9 PM	2055	0.0	1499	1827	227	13.31+	337	68.2	11.6	30.8
9-10 PM	1692	0.0	1499	1460	233	16.20+	395	68.6	9.8	30.8
10-11 PM	1281	0.0	1499	1281	0	12.36	305	69.1	12.4	31.1
11PM-MID	1017	0.0	1500	1017	0	1.56	40	69.5	43.9	39.4

"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	0.0282
MAIN ROUTE WITH WORKS	0.0269
'DIVERSION'	0.0018

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$27,274
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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