

USH 41: USH 10 TO STH 114 (WINNEBAGO COUNTY) NIGHTTIME 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	447	0.0	1500	447	0	0.53	0	70.2	58.5	43.7	
1-2 AM	283	0.0	1500	283	0	0.51	0	70.2	58.9	44.3	
2-3 AM	298	0.0	1500	298	0	0.51	0	70.2	59.1	44.6	
3-4 AM	210	0.0	1500	210	0	0.50	0	70.2	59.1	44.7	
4-5 AM	190	0.0	1500	190	0	0.50	0	70.2	58.9	44.4	
5-6 AM	268	0.0	1500	268	0	0.51	0	70.1	58.4	43.6	
6-7 AM	480	0.0	1500	480	0	0.53	0	69.9	57.9	42.8	
7-8 AM	671	0.0	1500	671	0	0.55	0	69.3	54.9	38.6	
8-9 AM	1152	0.0	1499	1152	0	0.70	0	68.5	68.5	68.5	
9-10 AM	1816	0.0	OFF	1816	0	0.00	0	67.8	67.8	67.8	
10-11 AM	2371	0.0	OFF	2371	0	0.00	0	67.4	67.4	67.4	
11AM-NOON	2646	0.0	OFF	2646	0	0.00	0	67.0	67.0	67.0	
NOON-1PM	3024	0.0	OFF	3024	0	0.00	0	67.0	67.0	67.0	
1-2 PM	2983	0.0	OFF	2983	0	0.00	0	67.0	67.0	67.0	
2-3 PM	2982	0.0	OFF	2982	0	0.00	0	66.9	66.9	66.9	
3-4 PM	3045	0.0	OFF	3045	0	0.00	0	66.8	66.8	66.8	
4-5 PM	3125	0.0	OFF	3125	0	0.00	0	67.3	67.3	67.3	
5-6 PM	2792	0.0	OFF	2792	0	0.00	0	68.0	68.0	68.0	
6-7 PM	2219	0.0	OFF	2219	0	0.00	0	68.4	17.5	30.8	
7-8 PM	1856	0.0	1499	1856	0	7.90	204	69.1	12.0	30.8	
8-9 PM	1359	0.0	1499	1359	0	12.82	311	69.4	40.2	38.8	
9-10 PM	1037	0.0	1499	1037	0	1.94	59	69.8	57.8	42.7	
10-11 PM	726	0.0	1500	726	0	0.56	0	70.2	58.6	43.9	
11PM-MID	400	0.0	1500	400	0	0.52	0				

"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

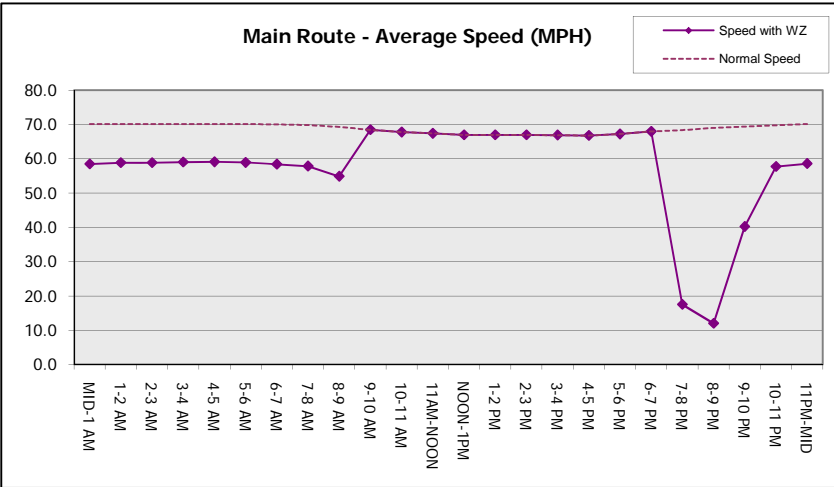
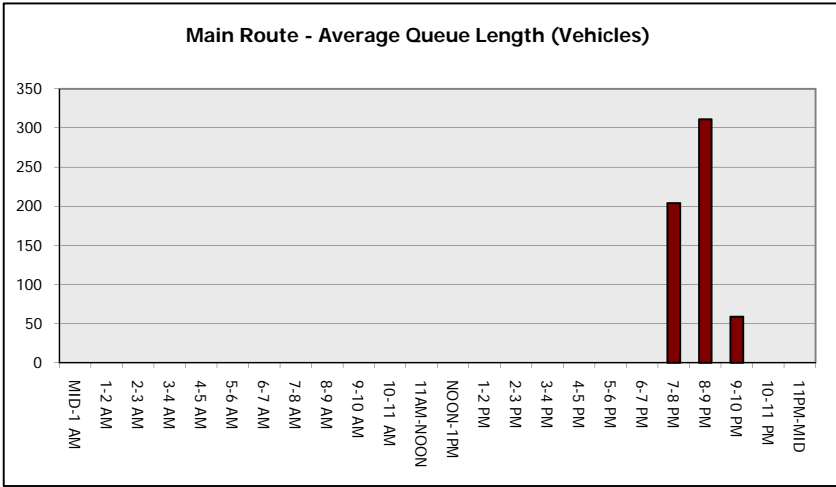
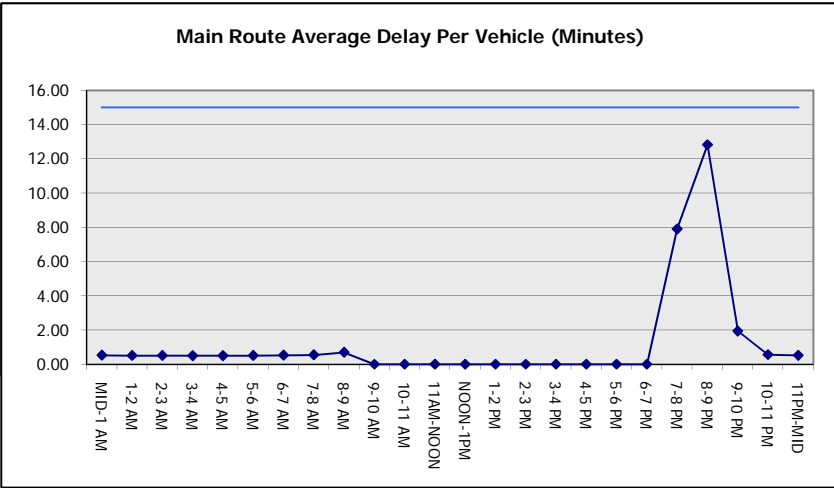
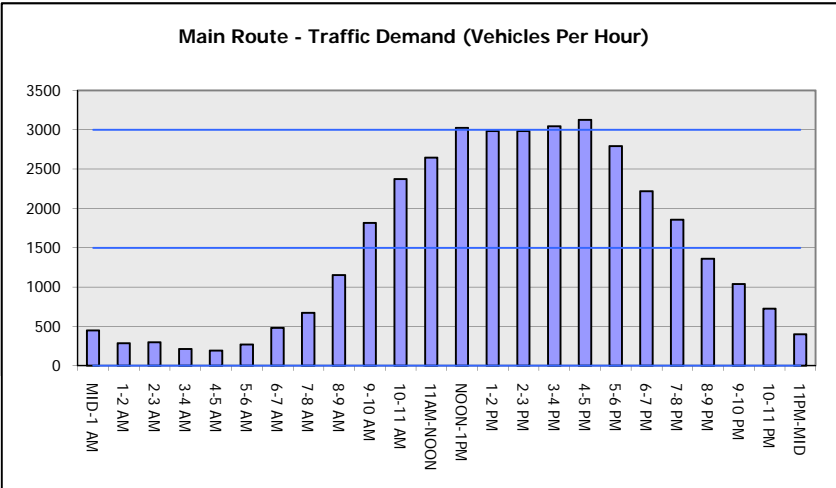
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0180
MAIN ROUTE WITH WORKS	0.0173
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$10,590
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



USH 41: USH 10 TO STH 114 (WINNEBAGO COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	410	0.0	1500	410	0	0.52	0	70.2	58.6	43.8
1-2 AM	253	0.0	1500	253	0	0.50	0	70.2	59.0	44.5
2-3 AM	219	0.0	1500	219	0	0.50	0	70.2	59.1	44.6
3-4 AM	126	0.0	1500	126	0	0.49	0	70.2	59.2	45.0
4-5 AM	139	0.0	1500	139	0	0.49	0	70.2	59.2	45.0
5-6 AM	346	0.0	1500	346	0	0.51	0	70.2	58.7	44.1
6-7 AM	397	0.0	1500	397	0	0.52	0	70.2	58.6	43.9
7-8 AM	708	0.0	1500	708	0	0.56	0	69.9	57.8	42.7
8-9 AM	1026	0.0	1499	1026	0	0.60	0	69.4	56.8	41.4
9-10 AM	1527	0.0	OFF	1527	0	0.00	0	68.8	68.8	68.8
10-11 AM	2146	0.0	OFF	2146	0	0.00	0	68.1	68.1	68.1
11AM-NOON	2510	0.0	OFF	2510	0	0.00	0	67.6	67.6	67.6
NOON-1PM	2644	0.0	OFF	2644	0	0.00	0	67.4	67.4	67.4
1-2 PM	2519	0.0	OFF	2519	0	0.00	0	67.6	67.6	67.6
2-3 PM	2411	0.0	OFF	2411	0	0.00	0	67.8	67.8	67.8
3-4 PM	2621	0.0	OFF	2621	0	0.00	0	67.5	67.5	67.5
4-5 PM	2510	0.0	OFF	2510	0	0.00	0	67.6	67.6	67.6
5-6 PM	2477	0.0	OFF	2477	0	0.00	0	67.6	67.6	67.6
6-7 PM	2247	0.0	OFF	2247	0	0.00	0	67.9	67.9	67.9
7-8 PM	1823	0.0	1499	1823	0	7.31	186	68.5	18.6	30.8
8-9 PM	1456	0.0	1499	1456	0	13.37	321	68.9	11.6	30.8
9-10 PM	1154	0.0	1499	1154	0	4.09	132	69.3	27.4	35.5
10-11 PM	776	0.0	1500	776	0	0.56	0	69.7	57.6	42.5
11PM-MID	451	0.0	1500	451	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	0.0162
MAIN ROUTE WITH WORKS	0.0156
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$11,491
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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