

USH 41: USH 10 TO STH 114 (WINNEBAGO COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	349	0.0	3000	349	0	0.36	0	70.2	61.8	49.7
1-2 AM	241	0.0	3000	241	0	0.36	0	70.2	61.8	49.7
2-3 AM	282	0.0	3000	282	0	0.36	0	70.2	61.8	49.7
3-4 AM	323	0.0	3000	323	0	0.36	0	70.2	61.8	49.7
4-5 AM	508	0.0	3000	508	0	0.36	0	70.1	61.7	49.7
5-6 AM	1125	0.0	OFF	1125	0	0.00	0	69.3	69.3	69.3
6-7 AM	2382	0.0	OFF	2382	0	0.00	0	67.8	67.8	67.8
7-8 AM	3404	0.0	OFF	3404	0	0.00	0	66.5	66.5	66.5
8-9 AM	2901	0.0	OFF	2901	0	0.00	0	67.1	67.1	67.1
9-10 AM	2366	0.0	OFF	2366	0	0.00	0	67.8	67.8	67.8
10-11 AM	2448	0.0	OFF	2448	0	0.00	0	67.7	67.7	67.7
11AM-NOON	2609	0.0	OFF	2609	0	0.00	0	67.5	67.5	67.5
NOON-1PM	2850	0.0	OFF	2850	0	0.00	0	67.2	67.2	67.2
1-2 PM	3164	0.0	OFF	3164	0	0.00	0	66.8	66.8	66.8
2-3 PM	3540	0.0	OFF	3540	0	0.00	0	66.3	66.3	66.3
3-4 PM	3857	0.0	OFF	3857	0	0.00	0	64.5	64.5	64.5
4-5 PM	4177	0.0	OFF	4177	0	0.00	0	62.3	62.3	62.3
5-6 PM	3795	0.0	OFF	3795	0	0.00	0	65.0	65.0	65.0
6-7 PM	2622	0.0	OFF	2622	0	0.00	0	67.5	67.5	67.5
7-8 PM	1790	0.0	3000	1790	0	0.34	0	68.5	60.9	49.7
8-9 PM	1481	0.0	3000	1481	0	0.34	0	68.9	61.1	49.7
9-10 PM	1460	0.0	3000	1460	0	0.34	0	68.9	61.2	49.7
10-11 PM	1176	0.0	3000	1176	0	0.35	0	69.2	61.3	49.7
11PM-MID	734	0.0	3000	734	0	0.35	0	69.8	61.6	49.7

"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

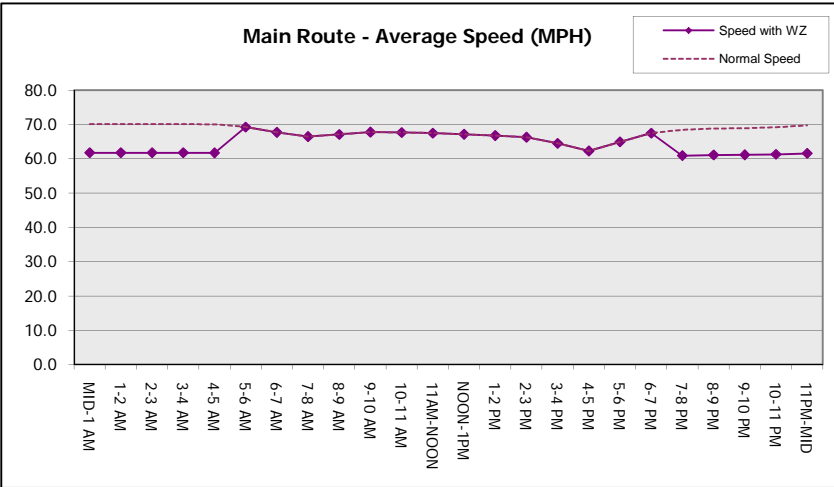
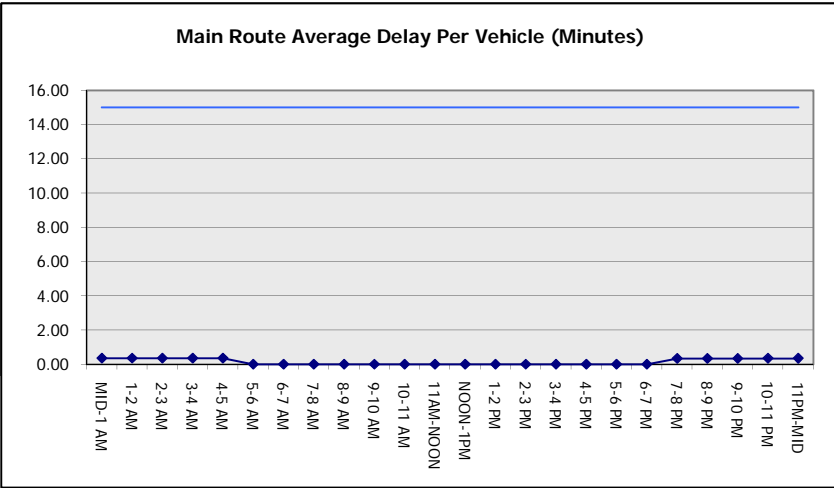
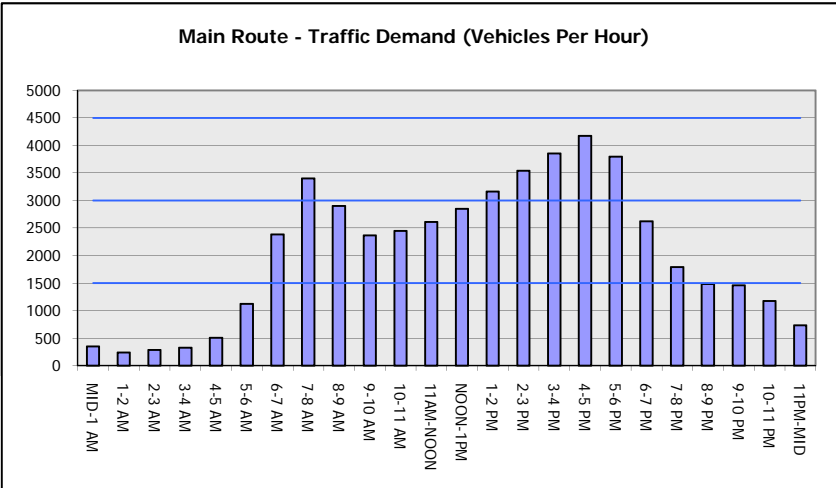
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0245
MAIN ROUTE WITH WORKS	0.0239
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$599
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

**USH 41: USH 10 TO STH 114 (WINNEBAGO COUNTY)
NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

MAY
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



USH 41: USH 10 TO STH 114 (WINNEBAGO COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

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	376	0.0	3000	376	0	0.36	0	70.2	61.8	49.7
1-2 AM	301	0.0	3000	301	0	0.36	0	70.2	61.8	49.7
2-3 AM	259	0.0	3000	259	0	0.36	0	70.2	61.8	49.7
3-4 AM	243	0.0	3000	243	0	0.36	0	70.2	61.8	49.7
4-5 AM	446	0.0	3000	446	0	0.36	0	70.2	61.8	49.7
5-6 AM	1203	0.0	OFF	1203	0	0.00	0	69.2	69.2	69.2
6-7 AM	2269	0.0	OFF	2269	0	0.00	0	67.9	67.9	67.9
7-8 AM	3696	0.0	OFF	3696	0	0.00	0	65.6	65.6	65.6
8-9 AM	2718	0.0	OFF	2718	0	0.00	0	67.4	67.4	67.4
9-10 AM	2601	0.0	OFF	2601	0	0.00	0	67.5	67.5	67.5
10-11 AM	2819	0.0	OFF	2819	0	0.00	0	67.3	67.3	67.3
11AM-NOON	2954	0.0	OFF	2954	0	0.00	0	67.1	67.1	67.1
NOON-1PM	3175	0.0	OFF	3175	0	0.00	0	66.8	66.8	66.8
1-2 PM	3323	0.0	OFF	3323	0	0.00	0	66.6	66.6	66.6
2-3 PM	3688	0.0	OFF	3688	0	0.00	0	65.6	65.6	65.6
3-4 PM	4160	0.0	OFF	4160	0	0.00	0	62.4	62.4	62.4
4-5 PM	4443	0.0	OFF	4443	0	0.00	0	60.5	60.5	60.5
5-6 PM	4251	0.0	OFF	4251	0	0.00	0	61.8	61.8	61.8
6-7 PM	3328	0.0	OFF	3328	0	0.00	0	66.6	66.6	66.6
7-8 PM	2649	0.0	3000	2649	0	0.50	0	67.4	57.1	43.5
8-9 PM	2059	0.0	3000	2059	0	0.33	0	68.2	60.7	49.7
9-10 PM	1515	0.0	3000	1515	0	0.34	0	68.9	61.1	49.7
10-11 PM	1162	0.0	3000	1162	0	0.35	0	69.3	61.4	49.7
11PM-MID	928	0.0	3000	928	0	0.35	0	69.6	61.5	49.7

"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	0.0269
MAIN ROUTE WITH WORKS	0.0263
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$795
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

**USH 41: USH 10 TO STH 114 (WINNEBAGO COUNTY)
NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

MAY
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

