

USH 41: STH 26 TO STH 23 (FOND DU LAC AND WINNEBAGO COUNTIES) NIGHTTIME CLOSURE DIVERSION ROUTE: CTH 00 - CTH I - CTH N	AUGUST
	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		ALTERNATE ROUTE		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		ALTERNATE ROUTE		
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN	SITE	WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	160	0.0	166	0.0	1500	160	0	166	0.44	0	66.1	59.9	44.8	23.6	23.6
1-2 AM	115	0.0	119	0.0	1500	115	0	119	0.43	0	66.2	60.1	45.0	23.9	23.9
2-3 AM	79	0.0	81	0.0	1500	79	0	81	0.43	0	66.3	60.2	45.1	24.2	24.2
3-4 AM	69	0.0	71	0.0	1500	69	0	71	0.43	0	66.3	60.2	45.2	24.3	24.3
4-5 AM	72	0.0	75	0.0	1500	72	0	75	0.43	0	66.3	60.2	45.2	24.3	24.3
5-6 AM	119	0.0	123	0.0	1500	119	0	123	0.43	0	66.1	60.1	45.0	23.9	23.9
6-7 AM	193	0.0	200	0.0	1500	193	0	200	0.44	0	66.0	59.9	44.7	23.3	23.3
7-8 AM	332	0.0	344	0.0	1500	332	0	344	0.45	0	65.8	59.4	44.2	22.2	22.2
8-9 AM	531	0.0	551	0.0	1500	531	0	551	0.47	0	65.4	58.9	43.4	20.6	20.6
9-10 AM	884	0.0	917	0.0	OFF	884	0	917	0.00	0	64.7	64.7	64.7	17.8	17.8
10-11 AM	1237	0.0	1284	0.0	OFF	1237	0	1284+	0.00	0	64.1	64.1	64.1	15.0	15.0
11A-NOON	1528	0.0	1585	0.0	OFF	1528	0	1585+	0.00	0	63.5	63.5	63.5	12.7	12.7
NOON-1PM	1675	0.0	1737	0.0	OFF	1675	0	1737+	0.00	0	63.3	63.3	63.3	11.8	11.8
1-2 PM	1922	0.0	1994	0.0	OFF	1922	0	1994+	0.00	0	62.8	62.8	62.8	11.8	11.8
2-3 PM	2021	0.0	2097	0.0	OFF	2021	0	2097+	0.00	0	62.6	62.6	62.6	11.8	11.8
3-4 PM	1999	0.0	2074	0.0	OFF	1999	0	2074+	0.00	0	62.7	62.7	62.7	11.8	11.8
4-5 PM	1944	0.0	2017	0.0	OFF	1944	0	2017+	0.00	0	62.8	62.8	62.8	11.8	11.8
5-6 PM	1748	0.0	1813	0.0	OFF	1748	0	1813+	0.00	0	63.2	63.2	63.2	11.8	11.8
6-7 PM	1553	0.0	1611	0.0	OFF	1553	0	1611+	0.00	0	63.5	63.5	63.5	12.5	12.5
7-8 PM	1451	0.0	1504	0.0	1499	1451	0	1504+	1.07	3	63.7	51.3	32.1	13.3	13.3
8-9 PM	969	0.0	1006	0.0	1500	969	0	1006	0.52	0	64.6	57.8	41.8	17.1	17.1
9-10 PM	565	0.0	586	0.0	1500	565	0	586	0.48	0	65.3	58.8	43.3	20.4	20.4
10-11 PM	290	0.0	301	0.0	1500	290	0	301	0.45	0	65.8	59.6	44.3	22.5	22.5
11PM-MID	160	0.0	166	0.0	1500	160	0	166	0.44	0	66.1	59.9	44.8	23.6	23.6

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

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0162
MAIN ROUTE WITH WORKS	0.0158
DIVERSION	0.1475

PIA: Personal Injury Accidents

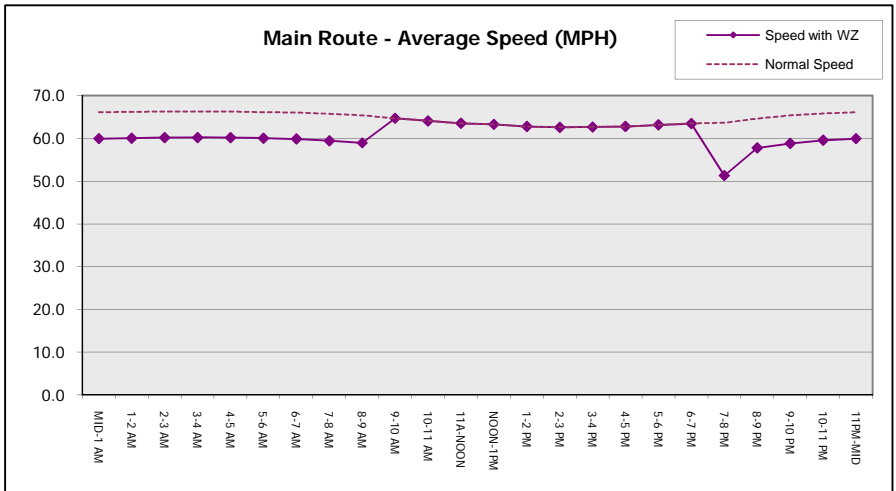
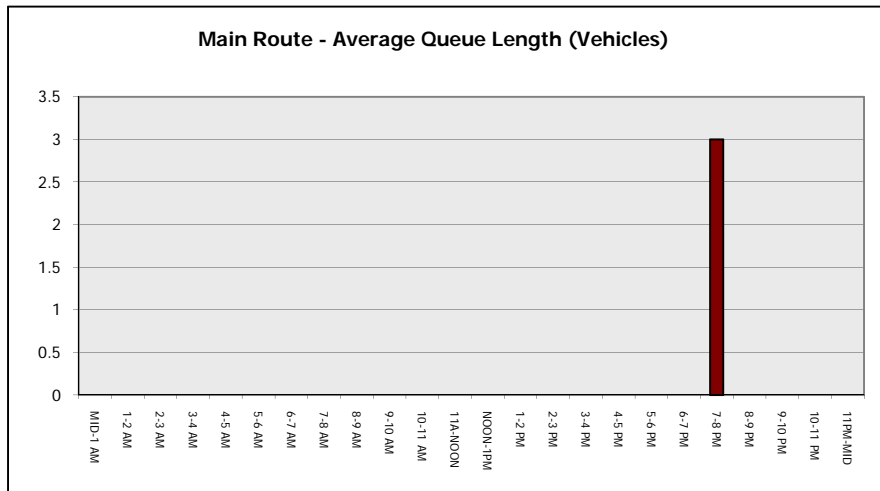
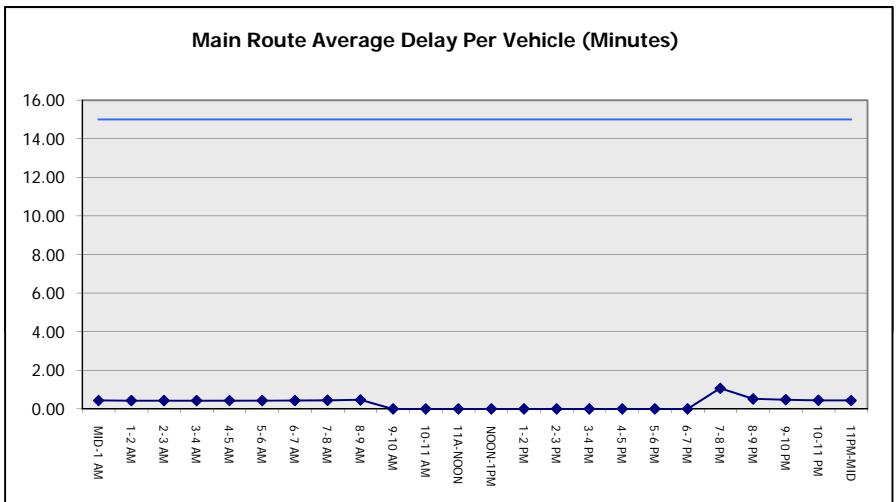
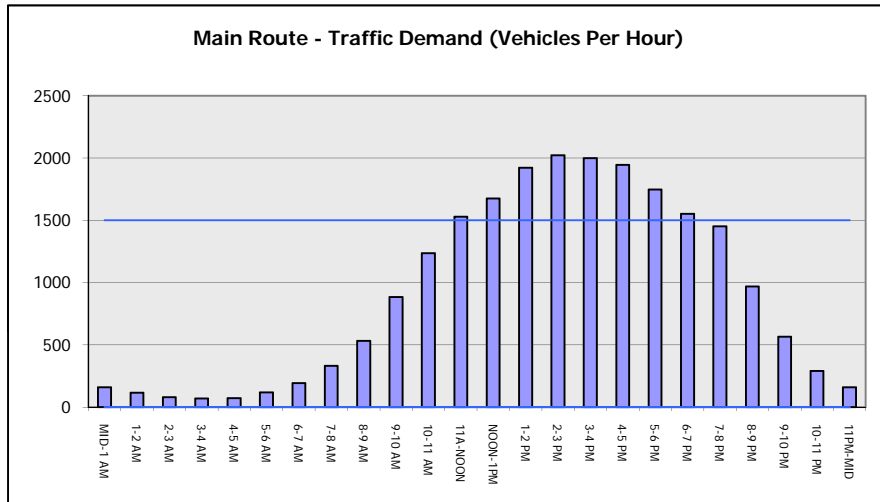
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$792
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

USH 41: STH 26 TO STH 23 (FOND DU LAC AND WINNEBAGO COUNTIES)
NIGHTTIME CLOSURE
DIVERSION ROUTE: CTH OO - CTH I - CTH N

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



USH 41: STH 26 TO STH 23 (FOND DU LAC AND WINNEBAGO COUNTIES) NIGHTTIME CLOSURE DIVERSION ROUTE: CTH OO - CTH I - CTH N	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT	
SUNDAY	NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE SPEEDS IN MPH						
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	202	0.0	209	0.0	1500	202	0	209	0.44	0	66.0	59.8	44.6	23.2	23.2
1-2 AM	119	0.0	123	0.0	1500	119	0	123	0.43	0	66.1	60.1	45.0	23.9	23.9
2-3 AM	71	0.0	74	0.0	1500	71	0	74	0.43	0	66.3	60.2	45.2	24.3	24.3
3-4 AM	49	0.0	51	0.0	1500	49	0	51	0.43	0	66.3	60.2	45.3	24.5	24.5
4-5 AM	60	0.0	63	0.0	1500	60	0	63	0.43	0	66.3	60.2	45.3	24.3	24.3
5-6 AM	109	0.0	112	0.0	1500	109	0	112	0.43	0	66.2	60.1	45.1	24.0	24.0
6-7 AM	165	0.0	171	0.0	1500	165	0	171	0.44	0	66.1	59.9	44.8	23.5	23.5
7-8 AM	333	0.0	345	0.0	1500	333	0	345	0.45	0	65.8	59.4	44.2	22.2	22.2
8-9 AM	592	0.0	614	0.0	1500	592	0	614	0.48	0	65.3	58.7	43.2	20.1	20.1
9-10 AM	900	0.0	933	0.0	OFF	900	0	933	0.00	0	64.7	64.7	64.7	17.7	17.7
10-11 AM	1066	0.0	1107	0.0	OFF	1066	0	1107	0.00	0	64.4	64.4	64.4	16.3	16.3
11A-NOON	1222	0.0	1267	0.0	OFF	1222	0	1267+	0.00	0	64.1	64.1	64.1	15.1	15.1
NOON-1PM	1194	0.0	1239	0.0	OFF	1194	0	1239+	0.00	0	64.1	64.1	64.1	15.3	15.3
1-2 PM	1090	0.0	1130	0.0	OFF	1090	0	1130	0.00	0	64.3	64.3	64.3	16.1	16.1
2-3 PM	1070	0.0	1110	0.0	OFF	1070	0	1110	0.00	0	64.4	64.4	64.4	16.3	16.3
3-4 PM	1068	0.0	1109	0.0	OFF	1068	0	1109	0.00	0	64.4	64.4	64.4	16.3	16.3
4-5 PM	1191	0.0	1235	0.0	OFF	1191	0	1235+	0.00	0	64.1	64.1	64.1	15.3	15.3
5-6 PM	1084	0.0	1125	0.0	OFF	1084	0	1125	0.00	0	64.3	64.3	64.3	16.2	16.2
6-7 PM	938	0.0	974	0.0	OFF	938	0	974	0.00	0	64.6	64.6	64.6	17.4	17.4
7-8 PM	865	0.0	897	0.0	1500	865	0	897	0.51	0	64.8	58.0	42.2	17.9	17.9
8-9 PM	604	0.0	626	0.0	1500	604	0	626	0.48	0	65.3	58.7	43.1	20.1	20.1
9-10 PM	383	0.0	398	0.0	1500	383	0	398	0.46	0	65.6	59.3	44.0	21.8	21.8
10-11 PM	274	0.0	284	0.0	1500	274	0	284	0.45	0	65.9	59.6	44.4	22.7	22.7
11PM-MID	180	0.0	186	0.0	1500	180	0	186	0.44	0	66.1	59.9	44.8	23.4	23.4

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

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0111
MAIN ROUTE WITH WORKS	0.0108
DIVERSION	0.1012

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$455
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

USH 41: STH 26 TO STH 23 (FOND DU LAC AND WINNEBAGO COUNTIES)
NIGHTTIME CLOSURE
DIVERSION ROUTE: CTH OO - CTH I - CTH N

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

