

**USH 41: STH 26 TO STH 23 (FOND DU LAC AND WINNEBAGO COUNTIES)  
NIGHTTIME CLOSURE  
DIVERSION ROUTE: CTH 00 - CTH I - CTH N**

**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		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	151	0.0	157	0.0	1500	151	0	157	0.44	0	66.1	59.9	44.9	23.7	23.7
1-2 AM	102	0.0	107	0.0	1500	102	0	107	0.43	0	66.2	60.1	45.1	24.0	24.0
2-3 AM	85	0.0	88	0.0	1500	85	0	88	0.43	0	66.2	60.1	45.1	24.2	24.2
3-4 AM	74	0.0	77	0.0	1500	74	0	77	0.43	0	66.3	60.2	45.2	24.2	24.2
4-5 AM	77	0.0	79	0.0	1500	77	0	79	0.43	0	66.3	60.2	45.2	24.2	24.2
5-6 AM	126	0.0	130	0.0	1500	126	0	130	0.43	0	66.1	60.1	45.0	23.8	23.8
6-7 AM	232	0.0	241	0.0	1500	232	0	241	0.45	0	66.0	59.7	44.5	23.0	23.0
7-8 AM	374	0.0	388	0.0	1500	374	0	388	0.46	0	65.7	59.4	44.0	21.9	21.9
8-9 AM	596	0.0	618	0.0	1500	596	0	618	0.48	0	65.3	58.7	43.2	20.1	20.1
9-10 AM	907	0.0	941	0.0	OFF	907	0	941	0.00	0	64.7	64.7	64.7	17.6	17.6
10-11 AM	1283	0.0	1331	0.0	OFF	1283	0	1331+	0.00	0	64.0	64.0	64.0	14.7	14.7
11A-NOON	1471	0.0	1525	0.0	OFF	1471	0	1525+	0.00	0	63.7	63.7	63.7	13.2	13.2
NOON-1PM	1549	0.0	1607	0.0	OFF	1549	0	1607+	0.00	0	63.5	63.5	63.5	12.5	12.5
1-2 PM	1613	0.0	1673	0.0	OFF	1613	0	1673+	0.00	0	63.4	63.4	63.4	12.0	12.0
2-3 PM	1682	0.0	1745	0.0	OFF	1682	0	1745+	0.00	0	63.3	63.3	63.3	11.8	11.8
3-4 PM	1776	0.0	1842	0.0	OFF	1776	0	1842+	0.00	0	63.1	63.1	63.1	11.8	11.8
4-5 PM	1830	0.0	1898	0.0	OFF	1830	0	1898+	0.00	0	63.0	63.0	63.0	11.8	11.8
5-6 PM	1609	0.0	1668	0.0	OFF	1609	0	1668+	0.00	0	63.4	63.4	63.4	12.0	12.0
6-7 PM	1398	0.0	1450	0.0	OFF	1398	0	1450+	0.00	0	63.8	63.8	63.8	13.7	13.7
7-8 PM	1075	0.0	1116	0.0	1500	1075	0	1116	0.53	0	64.4	57.4	41.4	16.3	16.3
8-9 PM	802	0.0	832	0.0	1500	802	0	832	0.50	0	64.9	58.2	42.4	18.4	18.4
9-10 PM	492	0.0	511	0.0	1500	492	0	511	0.47	0	65.5	59.0	43.5	20.9	20.9
10-11 PM	322	0.0	334	0.0	1500	322	0	334	0.45	0	65.8	59.5	44.2	22.3	22.3
11PM-MID	167	0.0	174	0.0	1500	167	0	174	0.44	0	66.1	59.9	44.8	23.5	23.5

"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	0.0148
MAIN ROUTE WITH WORKS	0.0145
DIVERSION	0.1350

PIA: Personal Injury Accidents

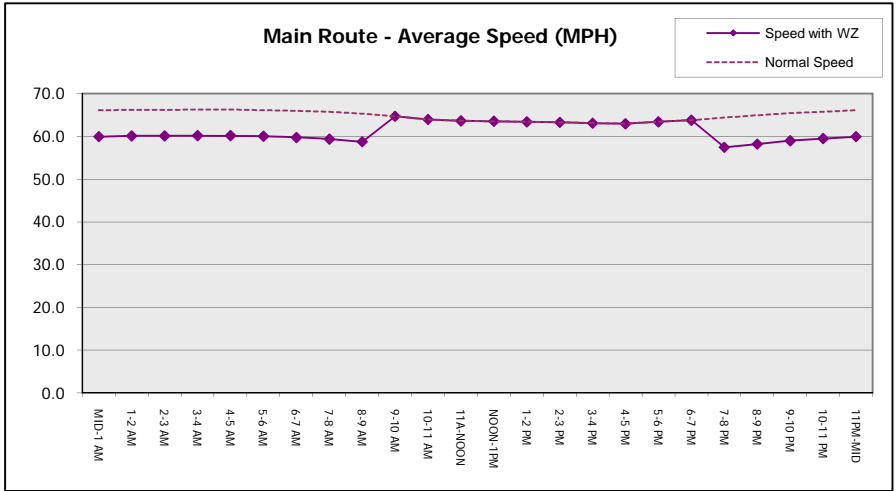
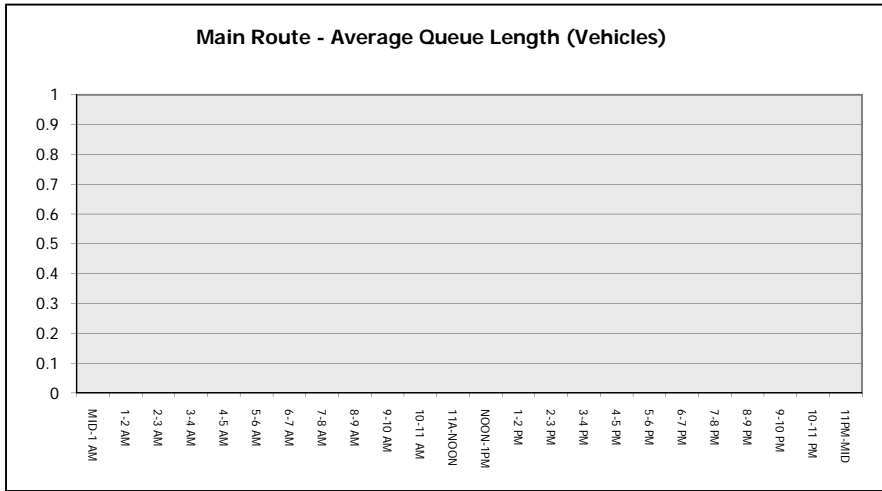
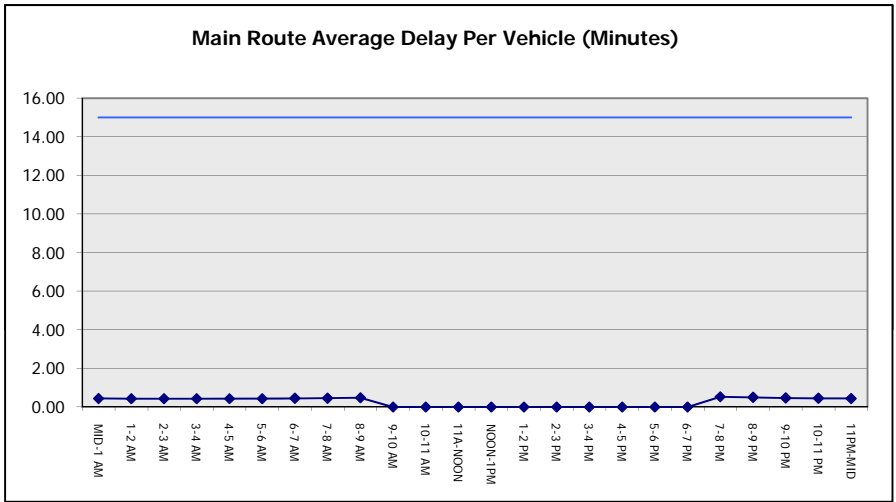
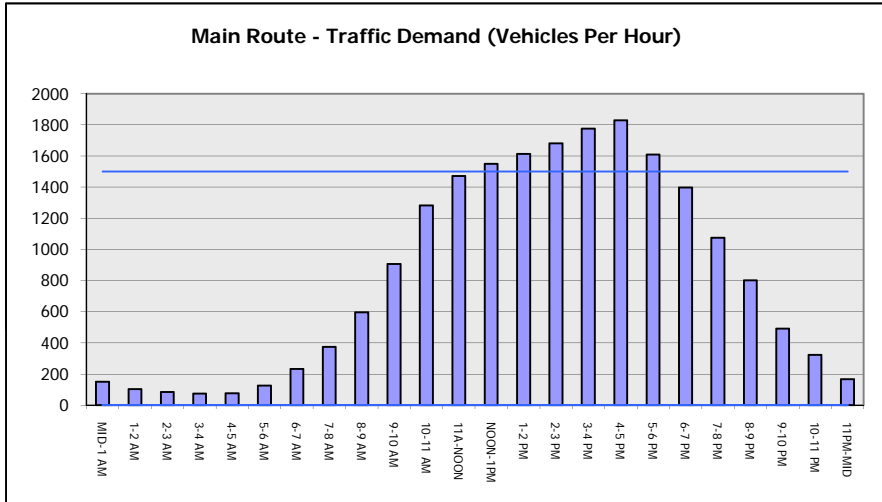
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$534
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: CTH OO - CTH I - CTH N**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY SOUTHBOUND DIRECTION**



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

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
<b>SUNDAY</b>	<b>NORTHBOUND DIRECTION</b>

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	134	0.0	140	0.0	1500	134	0	140	0.44	0	66.1	60.0	45.0	23.8	23.8
1-2 AM	89	0.0	92	0.0	1500	89	0	92	0.43	0	66.2	60.1	45.1	24.2	24.2
2-3 AM	67	0.0	69	0.0	1500	67	0	69	0.43	0	66.3	60.2	45.2	24.3	24.3
3-4 AM	54	0.0	56	0.0	1500	54	0	56	0.43	0	66.3	60.2	45.3	24.4	24.4
4-5 AM	77	0.0	80	0.0	1500	77	0	80	0.43	0	66.3	60.2	45.2	24.2	24.2
5-6 AM	125	0.0	130	0.0	1500	125	0	130	0.43	0	66.1	60.1	45.0	23.8	23.8
6-7 AM	223	0.0	232	0.0	1500	223	0	232	0.44	0	66.0	59.7	44.6	23.0	23.0
7-8 AM	351	0.0	365	0.0	1500	351	0	365	0.46	0	65.7	59.4	44.1	22.0	22.0
8-9 AM	471	0.0	488	0.0	1500	471	0	488	0.47	0	65.5	59.1	43.6	21.1	21.1
9-10 AM	747	0.0	775	0.0	OFF	747	0	775	0.00	0	65.0	65.0	65.0	18.9	18.9
10-11 AM	1000	0.0	1037	0.0	OFF	1000	0	1037	0.00	0	64.5	64.5	64.5	16.9	16.9
11A-NOON	1147	0.0	1190	0.0	OFF	1147	0	1190	0.00	0	64.3	64.3	64.3	15.7	15.7
NOON-1PM	1119	0.0	1161	0.0	OFF	1119	0	1161	0.00	0	64.3	64.3	64.3	16.0	16.0
1-2 PM	1035	0.0	1074	0.0	OFF	1035	0	1074	0.00	0	64.5	64.5	64.5	16.6	16.6
2-3 PM	1055	0.0	1095	0.0	OFF	1055	0	1095	0.00	0	64.4	64.4	64.4	16.5	16.5
3-4 PM	1056	0.0	1096	0.0	OFF	1056	0	1096	0.00	0	64.4	64.4	64.4	16.5	16.5
4-5 PM	1117	0.0	1158	0.0	OFF	1117	0	1158	0.00	0	64.3	64.3	64.3	16.0	16.0
5-6 PM	1094	0.0	1134	0.0	OFF	1094	0	1134	0.00	0	64.3	64.3	64.3	16.1	16.1
6-7 PM	1002	0.0	1040	0.0	OFF	1002	0	1040	0.00	0	64.5	64.5	64.5	16.9	16.9
7-8 PM	832	0.0	863	0.0	1500	832	0	863	0.50	0	64.8	58.1	42.3	18.2	18.2
8-9 PM	632	0.0	656	0.0	1500	632	0	656	0.48	0	65.2	58.6	43.0	19.8	19.8
9-10 PM	476	0.0	493	0.0	1500	476	0	493	0.47	0	65.5	59.1	43.6	21.1	21.1
10-11 PM	289	0.0	300	0.0	1500	289	0	300	0.45	0	65.8	59.6	44.3	22.5	22.5
11PM-MID	179	0.0	185	0.0	1500	179	0	185	0.44	0	66.1	59.9	44.8	23.4	23.4

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

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(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	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(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	0.0107
MAIN ROUTE WITH WORKS	0.0105
DIVERSION	0.0981

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$443
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: CTH OO - CTH I - CTH N**

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