

**USH 41: STH 26 TO STH 23 (FOND DU LAC AND WINNEBAGO COUNTIES)  
CONTINUOUS (24 HOUR) CLOSURE  
DIVERSION ROUTE: CTH 00 - CTH I - CTH N**

**AUGUST**  
Analyzed for 2009  
Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**  
MON-THUR 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	91	0.0	96	0.0	1500	91	0	96	0.43	0	66.2	60.1	45.1	24.1	24.1
1-2 AM	75	0.0	78	0.0	1500	75	0	78	0.43	0	66.3	60.2	45.2	24.2	24.2
2-3 AM	81	0.0	84	0.0	1500	81	0	84	0.43	0	66.3	60.2	45.1	24.2	24.2
3-4 AM	112	0.0	116	0.0	1500	112	0	116	0.43	0	66.2	60.1	45.0	24.0	24.0
4-5 AM	209	0.0	216	0.0	1500	209	0	216	0.44	0	66.0	59.8	44.6	23.2	23.2
5-6 AM	537	0.0	555	0.0	1500	537	0	555	0.47	0	65.4	58.9	43.3	20.6	20.6
6-7 AM	965	0.0	1001	0.0	1500	965	0	1001	0.52	0	64.6	57.8	41.8	17.1	17.1
7-8 AM	1137	0.0	1179	0.0	1500	1137	0	1179	0.56	0	64.3	57.0	40.6	15.8	15.8
8-9 AM	994	0.0	1031	0.0	1500	994	0	1031	0.52	0	64.5	57.7	41.7	17.0	17.0
9-10 AM	919	0.0	953	0.0	1500	919	0	953	0.51	0	64.6	57.9	42.0	17.5	17.5
10-11 AM	883	0.0	915	0.0	1500	883	0	915	0.51	0	64.8	58.0	42.1	17.8	17.8
11A-NOON	904	0.0	937	0.0	1500	904	0	937	0.51	0	64.7	57.9	42.0	17.6	17.6
NOON-1PM	941	0.0	977	0.0	1500	941	0	977	0.51	0	64.6	57.8	41.9	17.3	17.3
1-2 PM	1001	0.0	1042	0.0	1500	1001	0	1042	0.52	0	64.5	57.7	41.7	16.8	16.8
2-3 PM	1097	0.0	1140	0.0	1500	1097	0	1140	0.53	0	64.3	57.4	41.4	16.1	16.1
3-4 PM	1121	0.0	1165	0.0	1500	1121	0	1165	0.53	0	64.3	57.3	41.2	15.9	15.9
4-5 PM	1155	0.0	1201	0.0	1500	1155	0	1201+	0.58	0	64.2	56.8	39.9	15.6	15.6
5-6 PM	1054	0.0	1095	0.0	1500	1054	0	1095	0.52	0	64.4	57.5	41.5	16.5	16.5
6-7 PM	752	0.0	784	0.0	1500	752	0	784	0.50	0	65.0	58.3	42.5	18.8	18.8
7-8 PM	512	0.0	533	0.0	1500	512	0	533	0.47	0	65.5	58.9	43.5	20.7	20.7
8-9 PM	461	0.0	478	0.0	1500	461	0	478	0.47	0	65.5	59.1	43.7	21.2	21.2
9-10 PM	351	0.0	365	0.0	1500	351	0	365	0.46	0	65.7	59.4	44.1	22.0	22.0
10-11 PM	261	0.0	274	0.0	1500	261	0	274	0.45	0	65.9	59.7	44.5	22.7	22.7
11PM-MID	147	0.0	158	0.0	1500	147	0	158	0.44	0	66.1	60.0	44.9	23.6	23.6

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.0118
MAIN ROUTE WITH WORKS	0.0107
DIVERSION	0.1077

PIA: Personal Injury Accidents

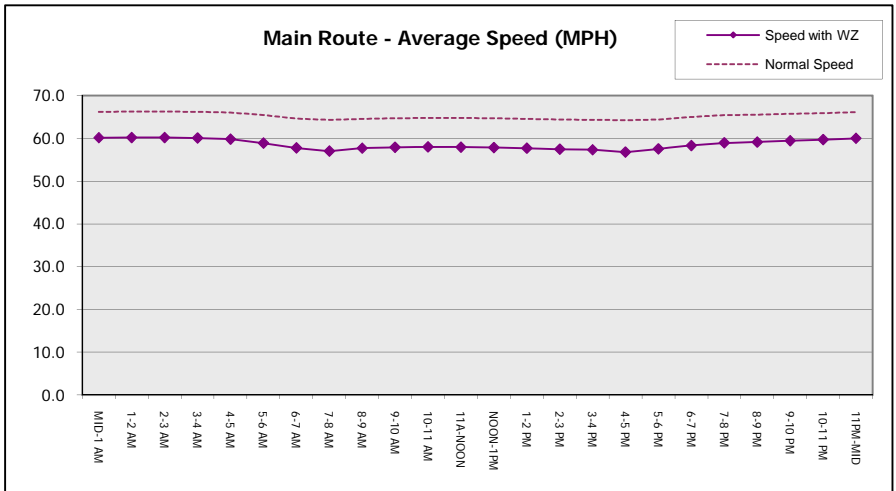
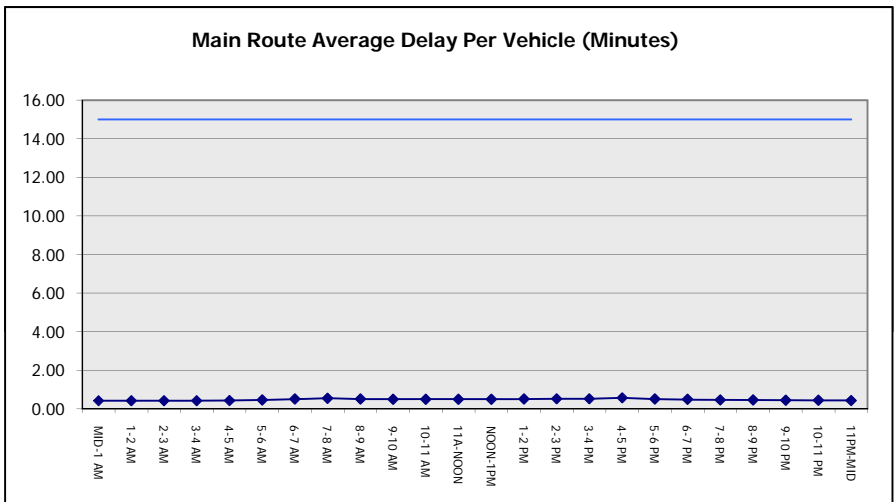
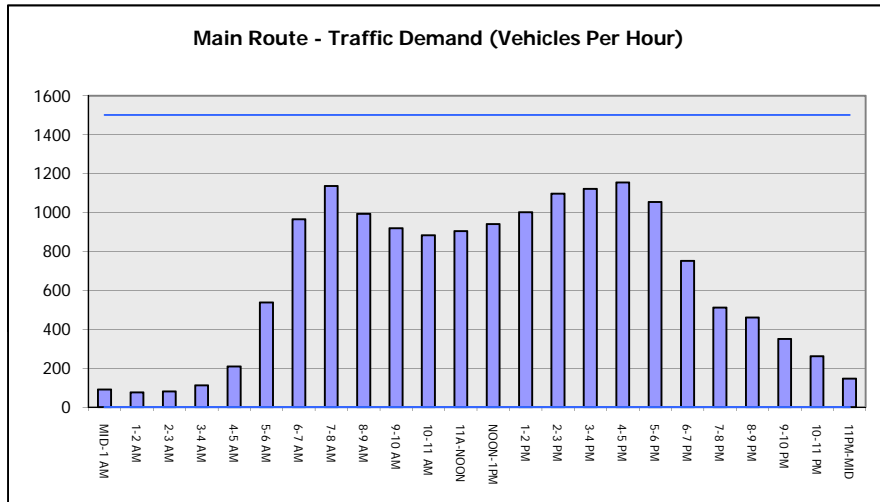
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,622
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**USH 41: STH 26 TO STH 23 (FOND DU LAC AND WINNEBAGO COUNTIES)**  
**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: CTH OO - CTH I - CTH N**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR SOUTHBOUND DIRECTION**



<b>USH 41: STH 26 TO STH 23 (FOND DU LAC AND WINNEBAGO COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: CTH OO - CTH I - CTH N</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	110	0.0	113	0.0	1500	110	0	113	0.43	0	66.2	60.1	45.0	24.0	24.0
1-2 AM	92	0.0	96	0.0	1500	92	0	96	0.43	0	66.2	60.1	45.1	24.1	24.1
2-3 AM	81	0.0	84	0.0	1500	81	0	84	0.43	0	66.3	60.2	45.1	24.2	24.2
3-4 AM	114	0.0	119	0.0	1500	114	0	119	0.43	0	66.2	60.1	45.0	23.9	23.9
4-5 AM	192	0.0	199	0.0	1500	192	0	199	0.44	0	66.0	59.9	44.7	23.3	23.3
5-6 AM	452	0.0	470	0.0	1500	452	0	470	0.47	0	65.5	59.1	43.7	21.2	21.2
6-7 AM	800	0.0	831	0.0	1500	800	0	831	0.50	0	64.9	58.2	42.4	18.4	18.4
7-8 AM	1126	0.0	1170	0.0	1500	1126	0	1170	0.54	0	64.3	57.2	41.0	15.8	15.8
8-9 AM	964	0.0	1000	0.0	1500	964	0	1000	0.52	0	64.6	57.8	41.8	17.1	17.1
9-10 AM	967	0.0	1002	0.0	1500	967	0	1002	0.52	0	64.6	57.8	41.8	17.1	17.1
10-11 AM	950	0.0	984	0.0	1500	950	0	984	0.51	0	64.6	57.8	41.9	17.3	17.3
11A-NOON	922	0.0	955	0.0	1500	922	0	955	0.51	0	64.6	57.9	42.0	17.5	17.5
NOON-1PM	925	0.0	958	0.0	1500	925	0	958	0.51	0	64.6	57.9	41.9	17.5	17.5
1-2 PM	983	0.0	1021	0.0	1500	983	0	1021	0.52	0	64.6	57.7	41.7	17.0	17.0
2-3 PM	1025	0.0	1065	0.0	1500	1025	0	1065	0.52	0	64.5	57.6	41.6	16.6	16.6
3-4 PM	1198	0.0	1246	0.0	1500	1198	0	1246+	0.63	0	64.1	56.1	38.5	15.3	15.3
4-5 PM	1310	0.0	1362	0.0	1500	1310	0	1362+	0.78	0	64.0	54.3	35.2	14.4	14.4
5-6 PM	1218	0.0	1263	0.0	1500	1218	0	1263+	0.66	0	64.1	55.8	37.9	15.2	15.2
6-7 PM	834	0.0	866	0.0	1500	834	0	866	0.50	0	64.8	58.1	42.3	18.2	18.2
7-8 PM	580	0.0	603	0.0	1500	580	0	603	0.48	0	65.3	58.8	43.2	20.2	20.2
8-9 PM	451	0.0	467	0.0	1500	451	0	467	0.47	0	65.5	59.1	43.7	21.2	21.2
9-10 PM	369	0.0	384	0.0	1500	369	0	384	0.46	0	65.7	59.4	44.0	21.9	21.9
10-11 PM	262	0.0	271	0.0	1500	262	0	271	0.45	0	65.9	59.7	44.5	22.7	22.7
11PM-MID	205	0.0	212	0.0	1500	205	0	212	0.44	0	66.0	59.8	44.6	23.2	23.2

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.0121
MAIN ROUTE WITH WORKS	0.0110
DIVERSION	0.1101

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,764
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**USH 41: STH 26 TO STH 23 (FOND DU LAC AND WINNEBAGO COUNTIES)**  
**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: CTH OO - CTH I - CTH N**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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**MON-THUR NORTHBOUND DIRECTION**

