

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

OCTOBER
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		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	115	0.0	119	0.0	1500	115	0	119	0.43	0	66.2	60.1	45.0	23.9	23.9
1-2 AM	100	0.0	104	0.0	1500	100	0	104	0.43	0	66.2	60.1	45.1	24.0	24.0
2-3 AM	101	0.0	104	0.0	1500	101	0	104	0.43	0	66.2	60.1	45.1	24.0	24.0
3-4 AM	111	0.0	114	0.0	1500	111	0	114	0.43	0	66.2	60.1	45.0	24.0	24.0
4-5 AM	174	0.0	180	0.0	1500	174	0	180	0.44	0	66.1	59.9	44.8	23.5	23.5
5-6 AM	446	0.0	464	0.0	OFF	446	0	464	0.00	0	65.6	65.6	65.6	21.3	21.3
6-7 AM	801	0.0	832	0.0	OFF	801	0	832	0.00	0	64.9	64.9	64.9	18.4	18.4
7-8 AM	1025	0.0	1063	0.0	OFF	1025	0	1063	0.00	0	64.5	64.5	64.5	16.7	16.7
8-9 AM	940	0.0	976	0.0	OFF	940	0	976	0.00	0	64.6	64.6	64.6	17.3	17.3
9-10 AM	948	0.0	983	0.0	OFF	948	0	983	0.00	0	64.6	64.6	64.6	17.3	17.3
10-11 AM	995	0.0	1032	0.0	OFF	995	0	1032	0.00	0	64.5	64.5	64.5	17.0	17.0
11A-NOON	1008	0.0	1045	0.0	OFF	1008	0	1045	0.00	0	64.5	64.5	64.5	16.8	16.8
NOON-1PM	1118	0.0	1159	0.0	OFF	1118	0	1159	0.00	0	64.3	64.3	64.3	16.0	16.0
1-2 PM	1221	0.0	1267	0.0	OFF	1221	0	1267+	0.00	0	64.1	64.1	64.1	15.1	15.1
2-3 PM	1317	0.0	1366	0.0	OFF	1317	0	1366+	0.00	0	63.9	63.9	63.9	14.3	14.3
3-4 PM	1369	0.0	1419	0.0	OFF	1369	0	1419+	0.00	0	63.8	63.8	63.8	14.0	14.0
4-5 PM	1497	0.0	1553	0.0	OFF	1497	0	1553+	0.00	0	63.6	63.6	63.6	12.9	12.9
5-6 PM	1349	0.0	1400	0.0	OFF	1349	0	1400+	0.00	0	63.9	63.9	63.9	14.1	14.1
6-7 PM	1070	0.0	1110	0.0	OFF	1070	0	1110	0.00	0	64.4	64.4	64.4	16.3	16.3
7-8 PM	765	0.0	793	0.0	1500	765	0	793	0.50	0	65.0	58.3	42.5	18.8	18.8
8-9 PM	623	0.0	646	0.0	1500	623	0	646	0.48	0	65.2	58.7	43.0	19.9	19.9
9-10 PM	510	0.0	530	0.0	1500	510	0	530	0.47	0	65.5	59.0	43.5	20.8	20.8
10-11 PM	390	0.0	404	0.0	1500	390	0	404	0.46	0	65.6	59.3	43.9	21.7	21.7
11PM-MID	269	0.0	279	0.0	1500	269	0	279	0.45	0	65.9	59.6	44.4	22.7	22.7

"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	0.0137
MAIN ROUTE WITH WORKS	0.0134
DIVERSION	0.1246

PIA: Personal Injury Accidents

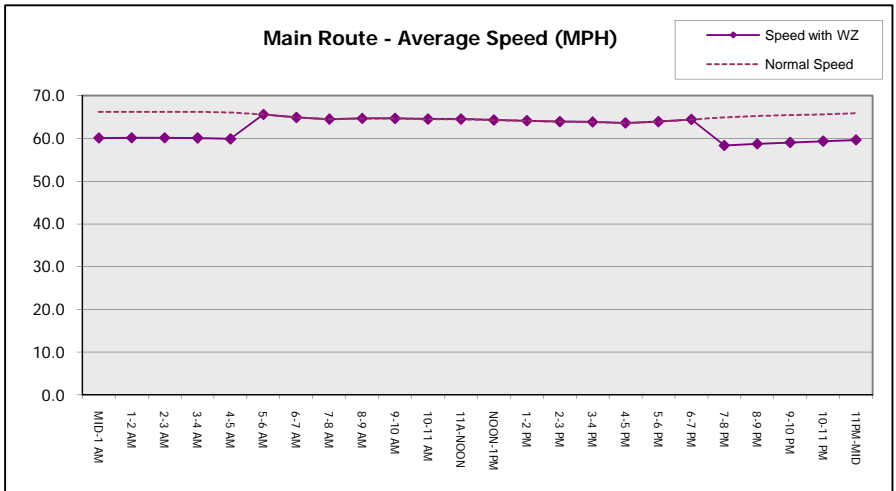
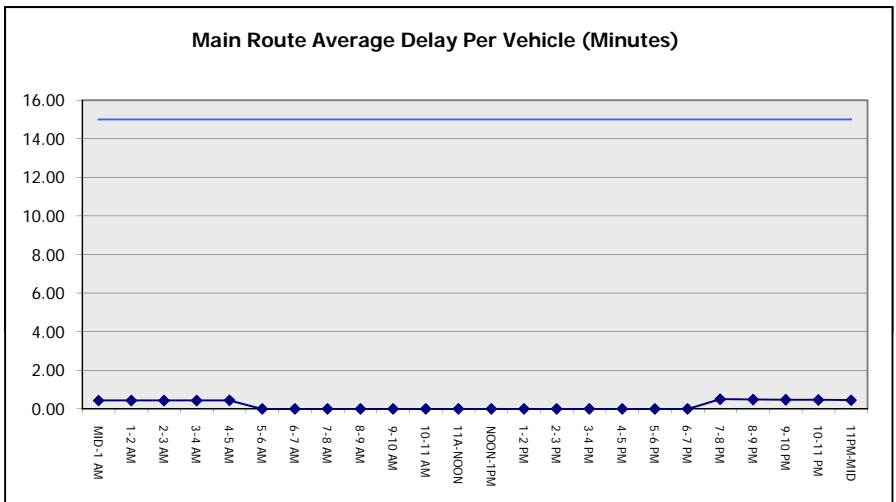
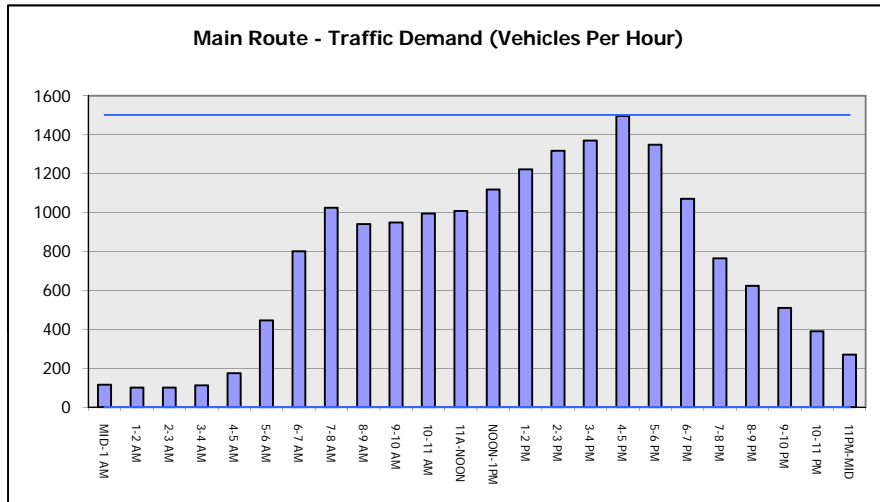
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$321
CONGESTED HOURS PER DAY*	0

*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

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY 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	OCTOBER
	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		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	164	0.0	170	0.0	1500	164	0	170	0.44	0	66.1	59.9	44.8	23.5	23.5
1-2 AM	118	0.0	122	0.0	1500	118	0	122	0.43	0	66.1	60.1	45.0	23.9	23.9
2-3 AM	126	0.0	131	0.0	1500	126	0	131	0.43	0	66.1	60.1	45.0	23.8	23.8
3-4 AM	143	0.0	148	0.0	1500	143	0	148	0.44	0	66.1	60.0	44.9	23.7	23.7
4-5 AM	206	0.0	214	0.0	1500	206	0	214	0.44	0	66.0	59.8	44.6	23.2	23.2
5-6 AM	461	0.0	477	0.0	OFF	461	0	477	0.00	0	65.5	65.5	65.5	21.2	21.2
6-7 AM	800	0.0	831	0.0	OFF	800	0	831	0.00	0	64.9	64.9	64.9	18.4	18.4
7-8 AM	1108	0.0	1150	0.0	OFF	1108	0	1150	0.00	0	64.3	64.3	64.3	16.0	16.0
8-9 AM	989	0.0	1025	0.0	OFF	989	0	1025	0.00	0	64.5	64.5	64.5	17.0	17.0
9-10 AM	1134	0.0	1176	0.0	OFF	1134	0	1176	0.00	0	64.3	64.3	64.3	15.8	15.8
10-11 AM	1230	0.0	1276	0.0	OFF	1230	0	1276+	0.00	0	64.1	64.1	64.1	15.0	15.0
11A-NOON	1241	0.0	1287	0.0	OFF	1241	0	1287+	0.00	0	64.1	64.1	64.1	15.0	15.0
NOON-1PM	1315	0.0	1364	0.0	OFF	1315	0	1364+	0.00	0	64.0	64.0	64.0	14.4	14.4
1-2 PM	1466	0.0	1521	0.0	OFF	1466	0	1521+	0.00	0	63.7	63.7	63.7	13.2	13.2
2-3 PM	1606	0.0	1666	0.0	OFF	1606	0	1666+	0.00	0	63.4	63.4	63.4	12.0	12.0
3-4 PM	1882	0.0	1952	0.0	OFF	1882	0	1952+	0.00	0	62.9	62.9	62.9	11.8	11.8
4-5 PM	2104	0.0	2183	0.0	OFF	2104	0	2183+	0.00	0	62.5	62.5	62.5	11.8	11.8
5-6 PM	2116	0.0	2195	0.0	OFF	2116	0	2195+	0.00	0	62.5	62.5	62.5	11.8	11.8
6-7 PM	1795	0.0	1862	0.0	OFF	1795	0	1862+	0.00	0	63.0	63.0	63.0	11.8	11.8
7-8 PM	1290	0.0	1339	0.0	1500	1290	0	1339+	0.75	0	64.0	54.6	35.8	14.6	14.6
8-9 PM	913	0.0	947	0.0	1500	913	0	947	0.51	0	64.7	57.9	42.0	17.6	17.6
9-10 PM	653	0.0	678	0.0	1500	653	0	678	0.49	0	65.1	58.6	42.9	19.6	19.6
10-11 PM	470	0.0	487	0.0	1500	470	0	487	0.47	0	65.5	59.1	43.6	21.1	21.1
11PM-MID	439	0.0	456	0.0	1500	439	0	456	0.47	0	65.6	59.2	43.7	21.4	21.4

"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	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	0.0178
MAIN ROUTE WITH WORKS	0.0175
DIVERSION	0.1622

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$544
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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FRIDAY NORTHBOUND DIRECTION

