

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

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		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	OFF	115	0	119	0.00	0	66.2	66.2	66.2	23.9	23.9
1-2 AM	100	0.0	104	0.0	OFF	100	0	104	0.00	0	66.2	66.2	66.2	24.0	24.0
2-3 AM	101	0.0	104	0.0	OFF	101	0	104	0.00	0	66.2	66.2	66.2	24.0	24.0
3-4 AM	111	0.0	114	0.0	OFF	111	0	114	0.00	0	66.2	66.2	66.2	24.0	24.0
4-5 AM	174	0.0	180	0.0	OFF	174	0	180	0.00	0	66.1	66.1	66.1	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	1500	995	0	1032	0.52	0	64.5	57.7	41.7	17.0	17.0
11A-NOON	1008	0.0	1045	0.0	1500	1008	0	1045	0.52	0	64.5	57.6	41.7	16.8	16.8
NOON-1PM	1118	0.0	1159	0.0	1500	1118	0	1159	0.53	0	64.3	57.4	41.2	16.0	16.0
1-2 PM	1221	0.0	1267	0.0	1500	1221	0	1267+	0.66	0	64.1	55.7	37.8	15.1	15.1
2-3 PM	1317	0.0	1366	0.0	1500	1317	0	1366+	0.79	0	63.9	54.2	35.0	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	OFF	765	0	793	0.00	0	65.0	65.0	65.0	18.8	18.8
8-9 PM	623	0.0	646	0.0	OFF	623	0	646	0.00	0	65.2	65.2	65.2	19.9	19.9
9-10 PM	510	0.0	530	0.0	OFF	510	0	530	0.00	0	65.5	65.5	65.5	20.8	20.8
10-11 PM	390	0.0	404	0.0	OFF	390	0	404	0.00	0	65.6	65.6	65.6	21.7	21.7
11PM-MID	269	0.0	279	0.0	OFF	269	0	279	0.00	0	65.9	65.9	65.9	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	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	0.0137
MAIN ROUTE WITH WORKS	0.0133
DIVERSION	0.1246

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$691
CONGESTED HOURS PER DAY*	0

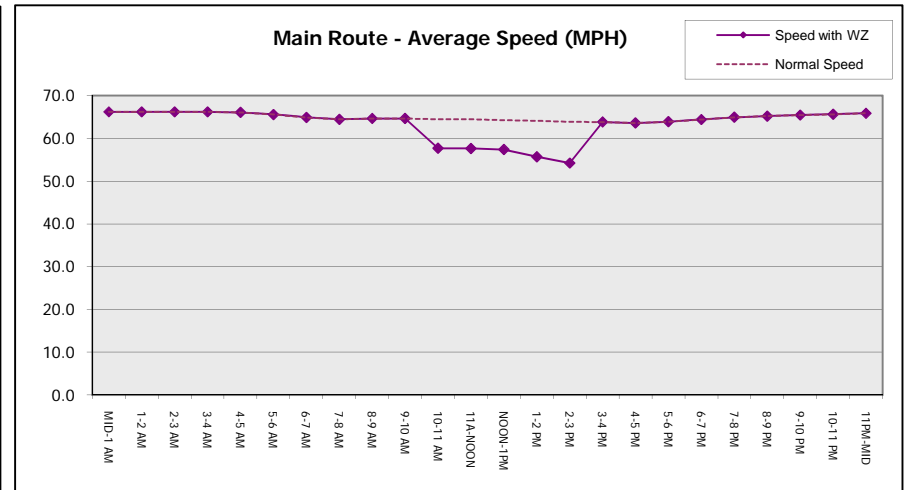
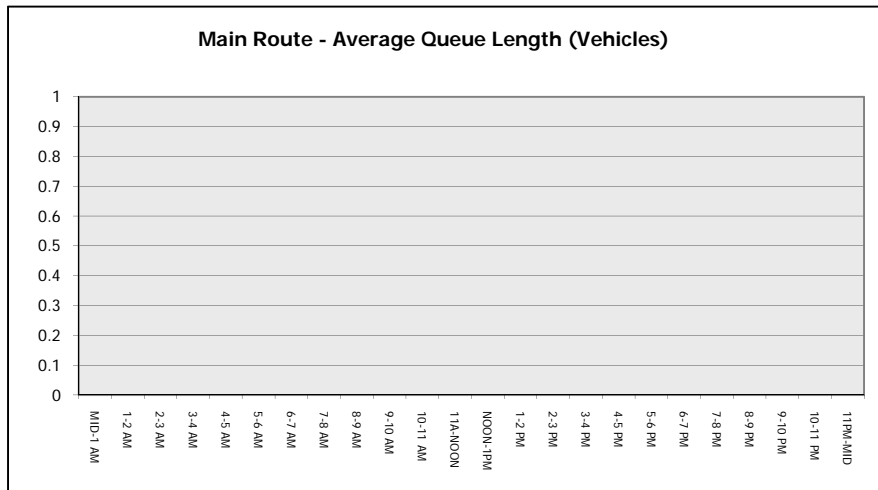
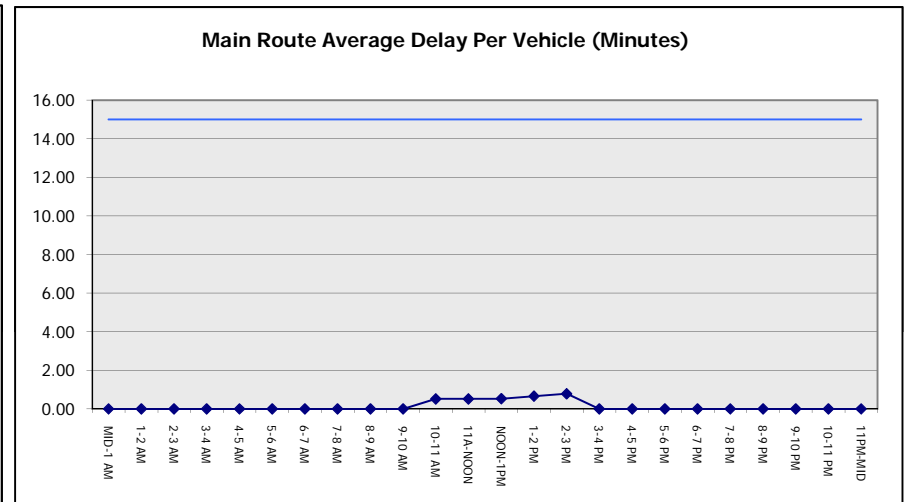
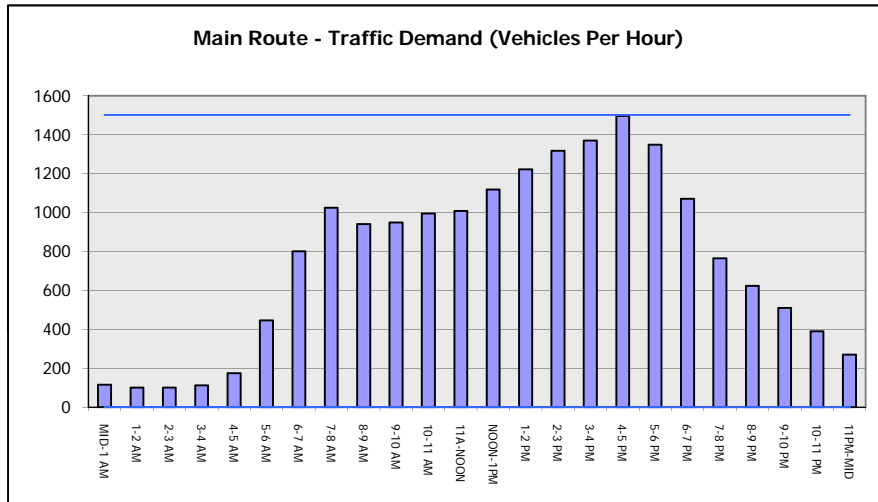
*Delays Exceeding 15 Minutes

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OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: CTH OO - CTH I - CTH N

MAY
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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) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: CTH OO - CTH I - CTH N	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		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	OFF	164	0	170	0.00	0	66.1	66.1	66.1	23.5	23.5
1-2 AM	118	0.0	122	0.0	OFF	118	0	122	0.00	0	66.1	66.1	66.1	23.9	23.9
2-3 AM	126	0.0	131	0.0	OFF	126	0	131	0.00	0	66.1	66.1	66.1	23.8	23.8
3-4 AM	143	0.0	148	0.0	OFF	143	0	148	0.00	0	66.1	66.1	66.1	23.7	23.7
4-5 AM	206	0.0	214	0.0	OFF	206	0	214	0.00	0	66.0	66.0	66.0	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	1500	1230	0	1276+	0.67	0	64.1	55.6	37.5	15.0	15.0
11A-NOON	1241	0.0	1287	0.0	1500	1241	0	1287+	0.69	0	64.1	55.4	37.2	15.0	15.0
NOON-1PM	1315	0.0	1364	0.0	1499	1315	0	1364+	0.78	0	64.0	54.3	35.1	14.4	14.4
1-2 PM	1466	0.0	1521	0.0	1499	1466	0	1521+	0.99	0	63.7	52.0	31.5	13.2	13.2
2-3 PM	1606	0.0	1666	0.0	1500	1606	0	1666+	2.40	41	63.4	41.2	30.8	12.0	12.1
3-4 PM	1882	0.0	1952	0.0	OFF	1882	0	1952+	0.05	2	62.9	62.1	62.1	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	OFF	1290	0	1339+	0.00	0	64.0	64.0	64.0	14.6	14.6
8-9 PM	913	0.0	947	0.0	OFF	913	0	947	0.00	0	64.7	64.7	64.7	17.6	17.6
9-10 PM	653	0.0	678	0.0	OFF	653	0	678	0.00	0	65.1	65.1	65.1	19.6	19.6
10-11 PM	470	0.0	487	0.0	OFF	470	0	487	0.00	0	65.5	65.5	65.5	21.1	21.1
11PM-MID	439	0.0	456	0.0	OFF	439	0	456	0.00	0	65.6	65.6	65.6	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	0.0173
DIVERSION	0.1622

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,610
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: CTH OO - CTH I - CTH N

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FRIDAY NORTHBOUND DIRECTION

