

**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**

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	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	1500	446	0	464	0.47	0	65.6	59.1	43.7	21.3	21.3
6-7 AM	801	0.0	832	0.0	1500	801	0	832	0.50	0	64.9	58.2	42.4	18.4	18.4
7-8 AM	1025	0.0	1063	0.0	1500	1025	0	1063	0.52	0	64.5	57.6	41.6	16.7	16.7
8-9 AM	940	0.0	976	0.0	1500	940	0	976	0.51	0	64.6	57.8	41.9	17.3	17.3
9-10 AM	948	0.0	983	0.0	1500	948	0	983	0.51	0	64.6	57.8	41.9	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	1500	1369	0	1419+	0.85	0	63.8	53.5	33.7	14.0	14.0
4-5 PM	1497	0.0	1553	0.0	1500	1497	0	1553+	1.02	0	63.6	51.7	30.8	12.9	12.9
5-6 PM	1349	0.0	1400	0.0	1500	1349	0	1400+	0.83	0	63.9	53.8	34.2	14.1	14.1
6-7 PM	1070	0.0	1110	0.0	1500	1070	0	1110	0.53	0	64.4	57.5	41.4	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

+ 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	0.0124
DIVERSION	0.1246

PIA: Personal Injury Accidents

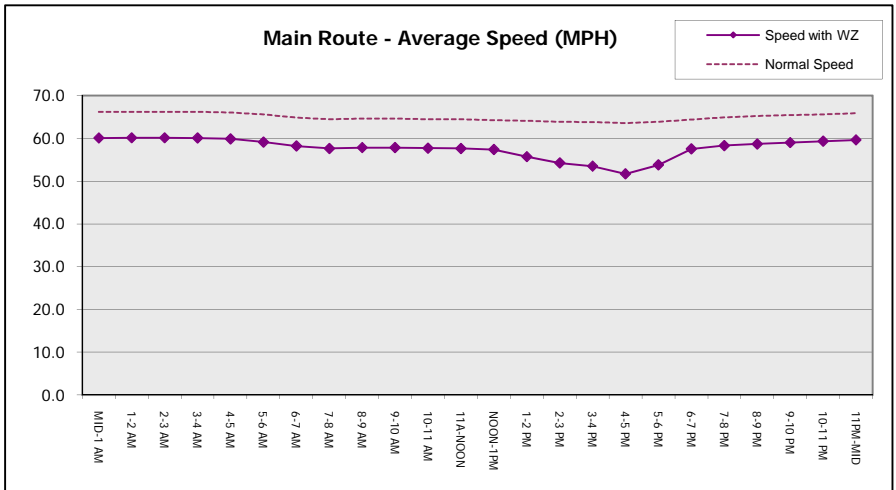
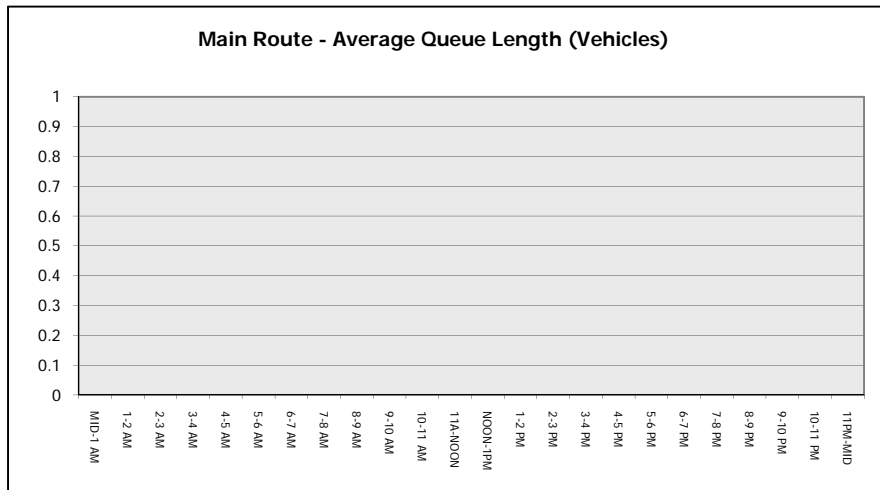
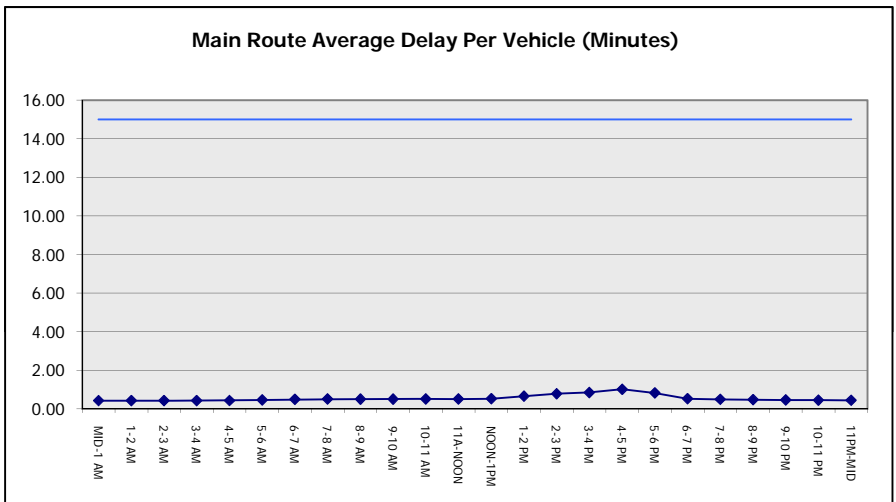
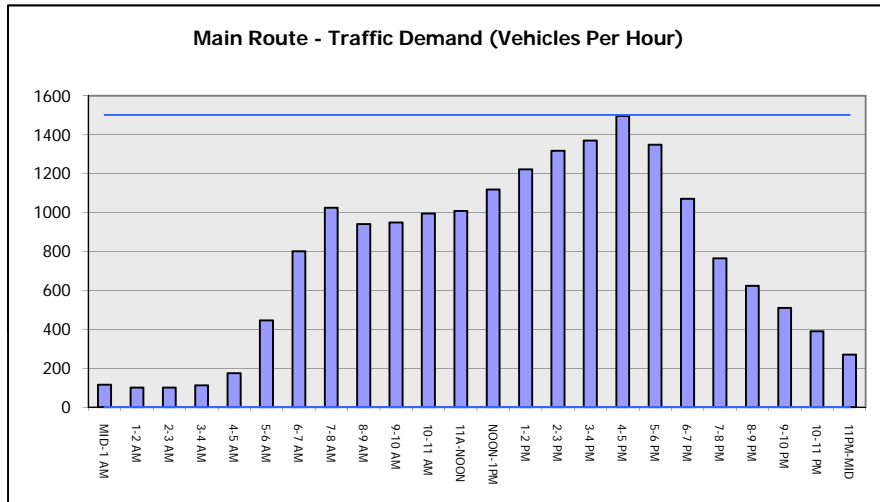
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,646
CONGESTED HOURS PER DAY*	0

*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

MAY
 Analyzed for 2009
 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) CONTINUOUS (24 HOUR) 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		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	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	1500	461	0	477	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	1108	0.0	1150	0.0	1500	1108	0	1150	0.53	0	64.3	57.4	41.3	16.0	16.0
8-9 AM	989	0.0	1025	0.0	1500	989	0	1025	0.52	0	64.5	57.7	41.7	17.0	17.0
9-10 AM	1134	0.0	1176	0.0	1500	1134	0	1176	0.55	0	64.3	57.1	40.7	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	1500	1882	0	1952+	10.53	282	62.9	18.8	30.8	11.8	11.8
4-5 PM	2104	0.0	2183	0.0	1499	1590	514	2697+	23.51	609	62.5	10.2	31.1	11.8	11.9
5-6 PM	2116	0.0	2195	0.0	1500	1506	610	2805+	23.98	621	62.5	10.1	30.9	11.8	11.9
6-7 PM	1795	0.0	1862	0.0	1500	1501	294	2155+	24.02	621	63.0	10.1	30.8	11.8	11.9
7-8 PM	1290	0.0	1339	0.0	1500	1249	42	1380+	18.50	478	64.0	12.3	30.8	14.6	14.2
8-9 PM	913	0.0	947	0.0	1499	913	0	947	2.91	109	64.7	38.8	39.4	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

+ 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	0.0178
MAIN ROUTE WITH WORKS	0.0152
DIVERSION	0.1718

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$46,490
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: CTH OO - CTH I - CTH N**

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

