

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

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	106	0.0	109	0.0	1500	106	0	109	0.43	0	66.2	60.1	45.1	24.0	24.0
1-2 AM	81	0.0	85	0.0	1500	81	0	85	0.43	0	66.3	60.2	45.1	24.2	24.2
2-3 AM	92	0.0	96	0.0	1500	92	0	96	0.43	0	66.2	60.1	45.1	24.1	24.1
3-4 AM	100	0.0	104	0.0	1500	100	0	104	0.43	0	66.2	60.1	45.1	24.0	24.0
4-5 AM	184	0.0	190	0.0	1500	184	0	190	0.44	0	66.0	59.9	44.8	23.4	23.4
5-6 AM	459	0.0	475	0.0	1500	459	0	475	0.47	0	65.5	59.1	43.7	21.2	21.2
6-7 AM	851	0.0	884	0.0	1500	851	0	884	0.50	0	64.8	58.1	42.2	18.1	18.1
7-8 AM	972	0.0	1008	0.0	1500	972	0	1008	0.52	0	64.6	57.8	41.8	17.1	17.1
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	900	0.0	933	0.0	1500	900	0	933	0.51	0	64.7	57.9	42.0	17.7	17.7
10-11 AM	958	0.0	993	0.0	1500	958	0	993	0.52	0	64.6	57.8	41.9	17.2	17.2
11A-NOON	1040	0.0	1079	0.0	1500	1040	0	1079	0.52	0	64.5	57.6	41.5	16.6	16.6
NOON-1PM	1157	0.0	1199	0.0	1500	1157	0	1199	0.58	0	64.2	56.7	39.9	15.6	15.6
1-2 PM	1258	0.0	1304	0.0	1500	1258	0	1304+	0.71	0	64.0	55.1	36.7	14.8	14.8
2-3 PM	1437	0.0	1490	0.0	1500	1437	0	1490+	0.94	0	63.7	52.5	32.1	13.4	13.4
3-4 PM	1486	0.0	1541	0.0	1499	1486	0	1541+	1.01	0	63.6	51.9	31.1	13.0	13.0
4-5 PM	1530	0.0	1587	0.0	1499	1530	0	1587+	1.65	17	63.5	46.3	30.8	12.7	12.7
5-6 PM	1410	0.0	1463	0.0	1499	1410	0	1463+	1.34	12	63.8	48.9	32.5	13.6	13.6
6-7 PM	1041	0.0	1079	0.0	1500	1041	0	1079	0.52	0	64.5	57.6	41.5	16.6	16.6
7-8 PM	722	0.0	749	0.0	1500	722	0	749	0.49	0	65.0	58.4	42.7	19.1	19.1
8-9 PM	580	0.0	602	0.0	1500	580	0	602	0.48	0	65.3	58.8	43.2	20.2	20.2
9-10 PM	458	0.0	475	0.0	1500	458	0	475	0.47	0	65.5	59.1	43.7	21.2	21.2
10-11 PM	349	0.0	362	0.0	1500	349	0	362	0.46	0	65.8	59.4	44.1	22.0	22.0
11PM-MID	235	0.0	244	0.0	1500	235	0	244	0.45	0	66.0	59.7	44.5	23.0	23.0

+ 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	0.0125
DIVERSION	0.1253

PIA: Personal Injury Accidents

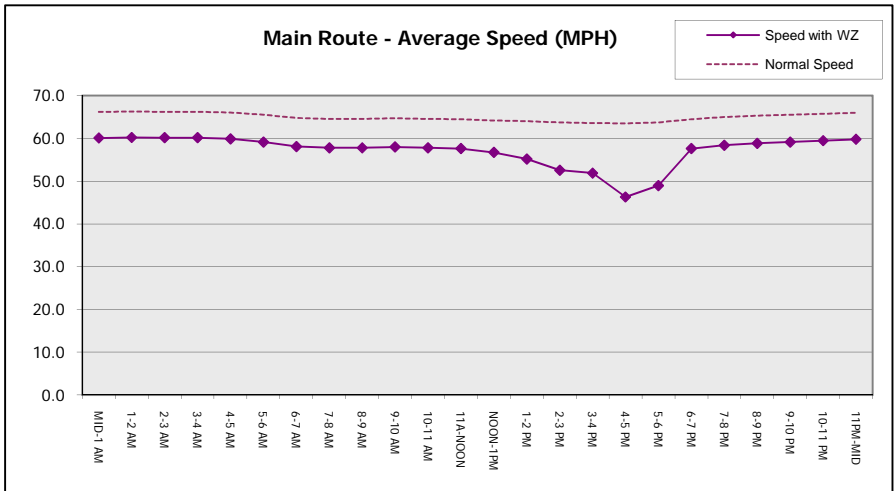
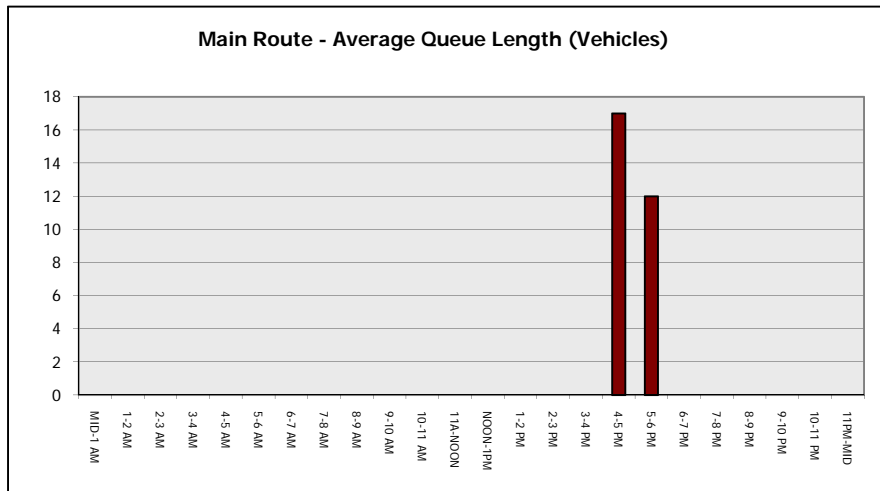
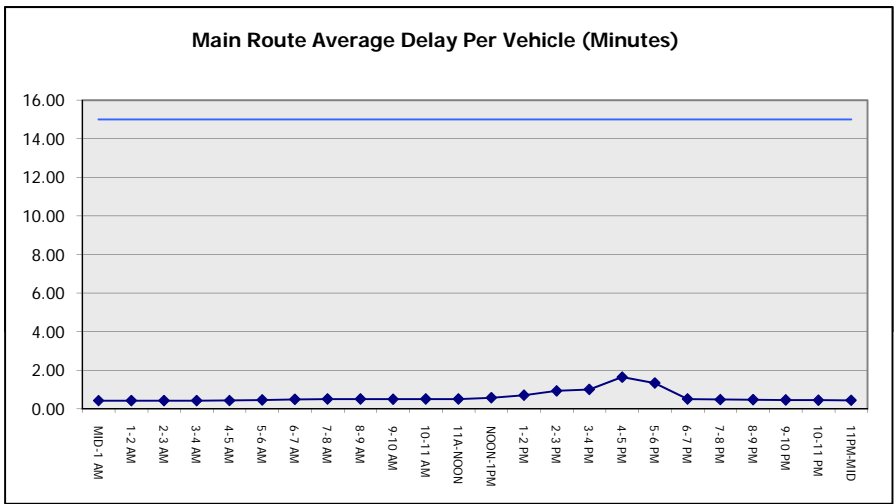
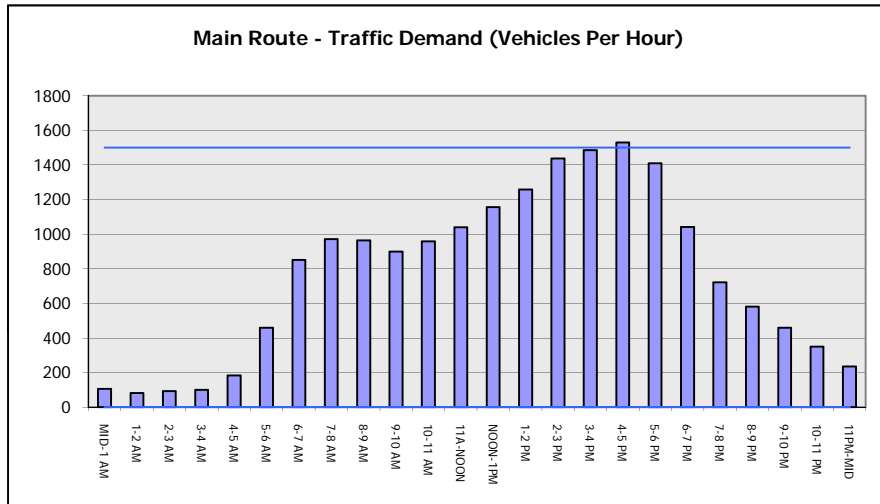
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,203
CONGESTED HOURS PER DAY*	0

*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
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	AUGUST Analyzed for 2009 Construction Season
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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	140	0.0	145	0.0	1500	140	0	145	0.44	0	66.1	60.0	44.9	23.7	23.7
1-2 AM	113	0.0	116	0.0	1500	113	0	116	0.43	0	66.2	60.1	45.0	24.0	24.0
2-3 AM	113	0.0	116	0.0	1500	113	0	116	0.43	0	66.2	60.1	45.0	24.0	24.0
3-4 AM	142	0.0	147	0.0	1500	142	0	147	0.44	0	66.1	60.0	44.9	23.7	23.7
4-5 AM	198	0.0	206	0.0	1500	198	0	206	0.44	0	66.0	59.8	44.7	23.3	23.3
5-6 AM	452	0.0	469	0.0	1500	452	0	469	0.47	0	65.5	59.1	43.7	21.2	21.2
6-7 AM	809	0.0	839	0.0	1500	809	0	839	0.50	0	64.9	58.2	42.4	18.4	18.4
7-8 AM	1129	0.0	1171	0.0	1500	1129	0	1171	0.54	0	64.3	57.2	40.9	15.8	15.8
8-9 AM	1078	0.0	1119	0.0	1500	1078	0	1119	0.53	0	64.4	57.4	41.4	16.3	16.3
9-10 AM	1202	0.0	1246	0.0	1500	1202	0	1246+	0.64	0	64.1	56.0	38.4	15.3	15.3
10-11 AM	1311	0.0	1359	0.0	1500	1311	0	1359+	0.78	0	64.0	54.3	35.2	14.4	14.4
11A-NOON	1360	0.0	1411	0.0	1500	1360	0	1411+	0.84	0	63.8	53.6	33.9	14.0	14.0
NOON-1PM	1431	0.0	1485	0.0	1499	1431	0	1485+	0.94	0	63.7	52.6	32.3	13.5	13.5
1-2 PM	1623	0.0	1684	0.0	1499	1623	0	1684+	2.76	52	63.3	39.1	30.8	11.9	12.0
2-3 PM	1739	0.0	1803	0.0	1500	1739	0	1803+	9.19	231	63.2	20.6	30.8	11.8	11.8
3-4 PM	1965	0.0	2039	0.0	1500	1718	247	2286+	20.72	544	62.7	11.2	31.1	11.8	11.9
4-5 PM	2127	0.0	2207	0.0	1500	1506	621	2828+	23.98	621	62.4	10.1	30.9	11.8	11.9
5-6 PM	2123	0.0	2202	0.0	1500	1503	621	2823+	23.98	621	62.4	10.1	30.8	11.8	11.9
6-7 PM	1815	0.0	1883	0.0	1500	1501	314	2196+	24.02	621	63.0	10.1	30.8	11.8	11.9
7-8 PM	1299	0.0	1346	0.0	1500	1249	49	1396+	18.75	485	64.0	12.2	30.8	14.5	14.2
8-9 PM	858	0.0	890	0.0	1499	858	0	890	2.69	102	64.8	40.1	40.2	18.0	18.0
9-10 PM	593	0.0	615	0.0	1500	593	0	615	0.48	0	65.3	58.7	43.2	20.1	20.1
10-11 PM	403	0.0	418	0.0	1500	403	0	418	0.46	0	65.6	59.2	43.9	21.6	21.6
11PM-MID	316	0.0	326	0.0	1500	316	0	326	0.45	0	65.8	59.5	44.2	22.4	22.4

+ 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	0.0182
MAIN ROUTE WITH WORKS	0.0153
DIVERSION	0.1782

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$55,487
CONGESTED HOURS PER DAY*	5

*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
FRIDAY NORTHBOUND DIRECTION

