

**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**

OCTOBER
Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT
SUNDAY 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	151	0.0	157	0.0	OFF	151	0	157	0.00	0	66.1	66.1	66.1	23.7	23.7
1-2 AM	102	0.0	107	0.0	OFF	102	0	107	0.00	0	66.2	66.2	66.2	24.0	24.0
2-3 AM	85	0.0	88	0.0	OFF	85	0	88	0.00	0	66.2	66.2	66.2	24.2	24.2
3-4 AM	74	0.0	77	0.0	OFF	74	0	77	0.00	0	66.3	66.3	66.3	24.2	24.2
4-5 AM	77	0.0	79	0.0	OFF	77	0	79	0.00	0	66.3	66.3	66.3	24.2	24.2
5-6 AM	126	0.0	130	0.0	OFF	126	0	130	0.00	0	66.1	66.1	66.1	23.8	23.8
6-7 AM	232	0.0	241	0.0	OFF	232	0	241	0.00	0	66.0	66.0	66.0	23.0	23.0
7-8 AM	374	0.0	388	0.0	OFF	374	0	388	0.00	0	65.7	65.7	65.7	21.9	21.9
8-9 AM	596	0.0	618	0.0	OFF	596	0	618	0.00	0	65.3	65.3	65.3	20.1	20.1
9-10 AM	907	0.0	941	0.0	1500	907	0	941	0.51	0	64.7	57.9	42.0	17.6	17.6
10-11 AM	1283	0.0	1331	0.0	1499	1283	0	1331+	0.74	0	64.0	54.8	36.1	14.7	14.7
11A-NOON	1471	0.0	1525	0.0	1499	1471	0	1525+	1.00	0	63.7	51.9	31.4	13.2	13.2
NOON-1PM	1549	0.0	1607	0.0	1500	1549	0	1607+	1.81	22	63.5	45.1	30.8	12.5	12.5
1-2 PM	1613	0.0	1673	0.0	1500	1613	0	1673+	4.73	103	63.4	30.7	30.8	12.0	12.0
2-3 PM	1682	0.0	1745	0.0	1500	1682	0	1745+	10.05	250	63.3	19.4	30.8	11.8	11.8
3-4 PM	1776	0.0	1842	0.0	1500	1776	0	1842+	18.44	480	63.1	12.3	30.8	11.8	11.8
4-5 PM	1830	0.0	1898	0.0	1499	1500	330	2228+	24.02	621	63.0	10.1	30.8	11.8	11.9
5-6 PM	1609	0.0	1668	0.0	1500	1488	121	1789+	23.96	618	63.4	10.1	30.8	12.0	12.0
6-7 PM	1398	0.0	1450	0.0	1499	1333	65	1514+	20.78	535	63.8	11.2	30.8	13.7	13.2
7-8 PM	1075	0.0	1116	0.0	OFF	1075	0	1116	0.56	33	64.4	57.0	57.0	16.3	16.3
8-9 PM	802	0.0	832	0.0	OFF	802	0	832	0.00	0	64.9	64.9	64.9	18.4	18.4
9-10 PM	492	0.0	511	0.0	OFF	492	0	511	0.00	0	65.5	65.5	65.5	20.9	20.9
10-11 PM	322	0.0	334	0.0	OFF	322	0	334	0.00	0	65.8	65.8	65.8	22.3	22.3
11PM-MID	167	0.0	174	0.0	OFF	167	0	174	0.00	0	66.1	66.1	66.1	23.5	23.5

"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	0.0148
MAIN ROUTE WITH WORKS	0.0134
DIVERSION	0.1384

PIA: Personal Injury Accidents

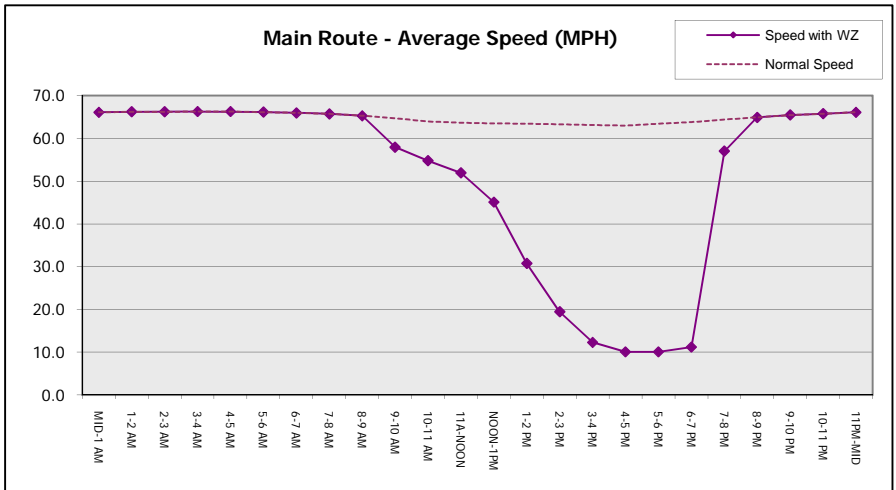
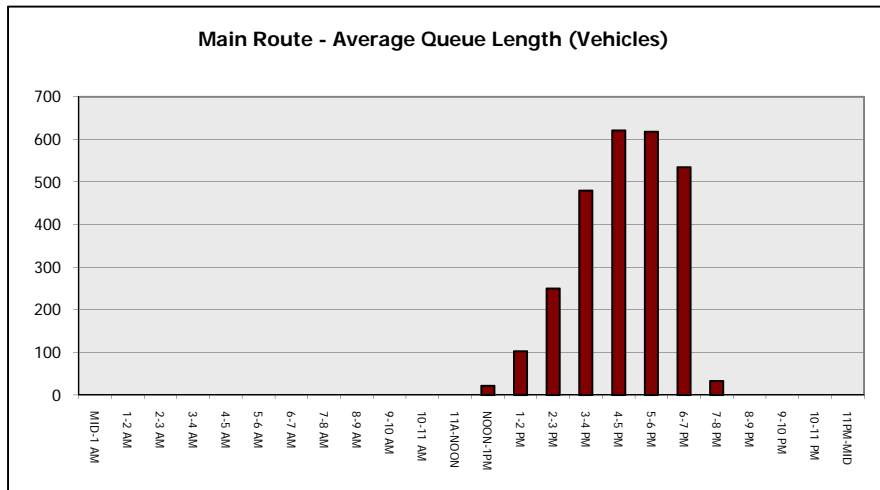
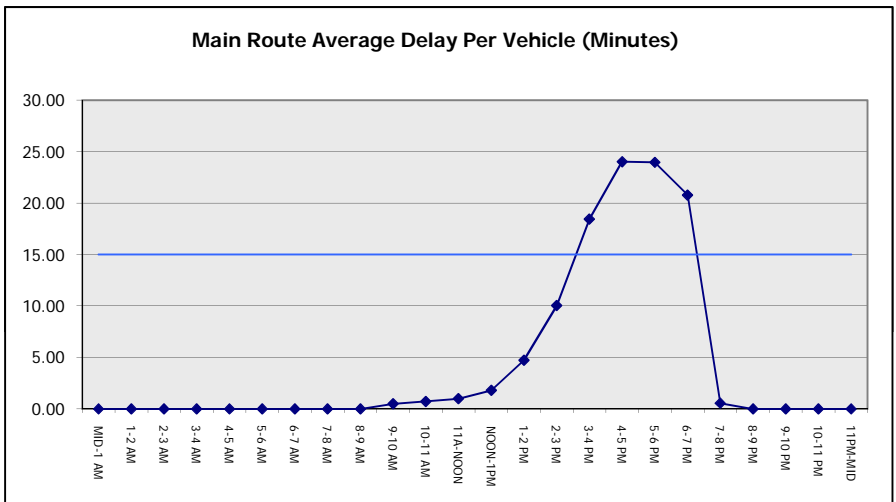
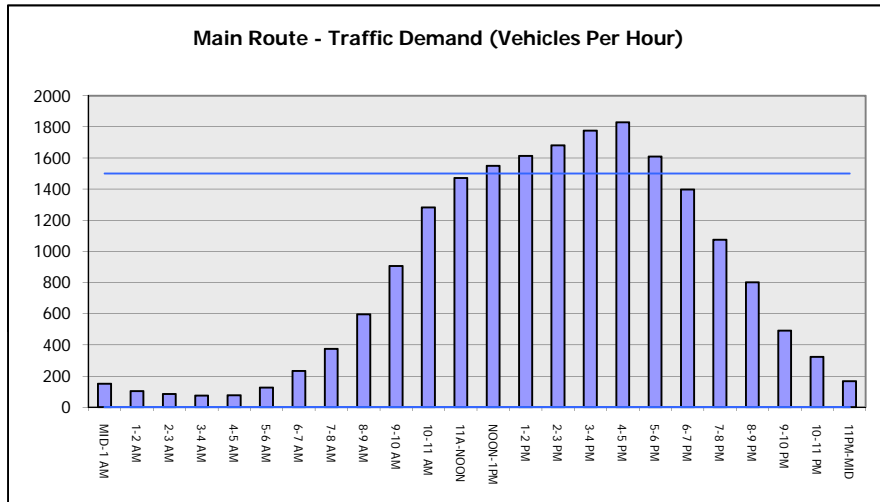
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$48,136
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY 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	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT	
SUNDAY	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	134	0.0	140	0.0	OFF	134	0	140	0.00	0	66.1	66.1	66.1	23.8	23.8
1-2 AM	89	0.0	92	0.0	OFF	89	0	92	0.00	0	66.2	66.2	66.2	24.2	24.2
2-3 AM	67	0.0	69	0.0	OFF	67	0	69	0.00	0	66.3	66.3	66.3	24.3	24.3
3-4 AM	54	0.0	56	0.0	OFF	54	0	56	0.00	0	66.3	66.3	66.3	24.4	24.4
4-5 AM	77	0.0	80	0.0	OFF	77	0	80	0.00	0	66.3	66.3	66.3	24.2	24.2
5-6 AM	125	0.0	130	0.0	OFF	125	0	130	0.00	0	66.1	66.1	66.1	23.8	23.8
6-7 AM	223	0.0	232	0.0	OFF	223	0	232	0.00	0	66.0	66.0	66.0	23.0	23.0
7-8 AM	351	0.0	365	0.0	OFF	351	0	365	0.00	0	65.7	65.7	65.7	22.0	22.0
8-9 AM	471	0.0	488	0.0	OFF	471	0	488	0.00	0	65.5	65.5	65.5	21.1	21.1
9-10 AM	747	0.0	775	0.0	1500	747	0	775	0.49	0	65.0	58.3	42.6	18.9	18.9
10-11 AM	1000	0.0	1037	0.0	1500	1000	0	1037	0.52	0	64.5	57.7	41.7	16.9	16.9
11A-NOON	1147	0.0	1190	0.0	1500	1147	0	1190	0.57	0	64.3	56.9	40.2	15.7	15.7
NOON-1PM	1119	0.0	1161	0.0	1500	1119	0	1161	0.53	0	64.3	57.3	41.2	16.0	16.0
1-2 PM	1035	0.0	1074	0.0	1500	1035	0	1074	0.52	0	64.5	57.6	41.5	16.6	16.6
2-3 PM	1055	0.0	1095	0.0	1500	1055	0	1095	0.52	0	64.4	57.5	41.5	16.5	16.5
3-4 PM	1056	0.0	1096	0.0	1500	1056	0	1096	0.52	0	64.4	57.5	41.5	16.5	16.5
4-5 PM	1117	0.0	1158	0.0	1500	1117	0	1158	0.53	0	64.3	57.4	41.3	16.0	16.0
5-6 PM	1094	0.0	1134	0.0	1500	1094	0	1134	0.53	0	64.3	57.4	41.4	16.1	16.1
6-7 PM	1002	0.0	1040	0.0	1500	1002	0	1040	0.52	0	64.5	57.6	41.7	16.9	16.9
7-8 PM	832	0.0	863	0.0	OFF	832	0	863	0.00	0	64.8	64.8	64.8	18.2	18.2
8-9 PM	632	0.0	656	0.0	OFF	632	0	656	0.00	0	65.2	65.2	65.2	19.8	19.8
9-10 PM	476	0.0	493	0.0	OFF	476	0	493	0.00	0	65.5	65.5	65.5	21.1	21.1
10-11 PM	289	0.0	300	0.0	OFF	289	0	300	0.00	0	65.8	65.8	65.8	22.5	22.5
11PM-MID	179	0.0	185	0.0	OFF	179	0	185	0.00	0	66.1	66.1	66.1	23.4	23.4

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0107
MAIN ROUTE WITH WORKS	0.0101
DIVERSION	0.0981

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,501
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

OCTOBER
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SUNDAY NORTHBOUND DIRECTION

