

<b>IH 39: STH 21 TO CTH J (WAUSHARA AND MARQUETTE COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: CTH J - CTH CH - STH 21</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	44	0.0	5	0.0	1500	44	0	5	0.43	0	66.3	63.5	45.3	44.0	44.0
1-2 AM	30	0.0	3	0.0	1500	30	0	3	0.43	0	66.3	63.6	45.4	44.0	44.0
2-3 AM	30	0.0	3	0.0	1500	30	0	3	0.43	0	66.3	63.6	45.4	44.0	44.0
3-4 AM	58	0.0	6	0.0	1500	58	0	6	0.43	0	66.3	63.5	45.3	44.0	44.0
4-5 AM	86	0.0	9	0.0	1500	86	0	9	0.43	0	66.2	63.5	45.1	44.0	44.0
5-6 AM	142	0.0	15	0.0	1500	142	0	15	0.44	0	66.1	63.3	44.9	43.8	43.8
6-7 AM	206	0.0	22	0.0	1500	206	0	22	0.44	0	66.0	63.2	44.6	43.8	43.8
7-8 AM	285	0.0	31	0.0	1500	285	0	31	0.45	0	65.8	63.0	44.3	43.7	43.7
8-9 AM	374	0.0	41	0.0	1500	374	0	41	0.46	0	65.7	62.8	44.0	43.5	43.5
9-10 AM	441	0.0	48	0.0	1500	441	0	48	0.47	0	65.6	62.7	43.7	43.4	43.4
10-11 AM	488	0.0	53	0.0	1500	488	0	53	0.47	0	65.5	62.5	43.5	43.3	43.3
11A-NOON	510	0.0	56	0.0	1500	510	0	56	0.47	0	65.5	62.5	43.5	43.3	43.3
NOON-1PM	529	0.0	58	0.0	1500	529	0	58	0.47	0	65.4	62.4	43.4	43.2	43.2
1-2 PM	544	0.0	59	0.0	1500	544	0	59	0.48	0	65.4	62.4	43.3	43.2	43.2
2-3 PM	538	0.0	59	0.0	1500	538	0	59	0.47	0	65.4	62.4	43.3	43.2	43.2
3-4 PM	514	0.0	56	0.0	1500	514	0	56	0.47	0	65.5	62.5	43.5	43.3	43.3
4-5 PM	491	0.0	54	0.0	1500	491	0	54	0.47	0	65.5	62.5	43.5	43.3	43.3
5-6 PM	400	0.0	44	0.0	1500	400	0	44	0.46	0	65.6	62.7	43.9	43.5	43.5
6-7 PM	321	0.0	35	0.0	1500	321	0	35	0.45	0	65.8	62.9	44.2	43.6	43.6
7-8 PM	237	0.0	26	0.0	1500	237	0	26	0.45	0	66.0	63.1	44.5	43.7	43.7
8-9 PM	195	0.0	21	0.0	1500	195	0	21	0.44	0	66.0	63.2	44.7	43.8	43.8
9-10 PM	143	0.0	16	0.0	1500	143	0	16	0.44	0	66.1	63.3	44.9	43.8	43.8
10-11 PM	87	0.0	9	0.0	1500	87	0	9	0.43	0	66.2	63.5	45.1	44.0	44.0
11PM-MID	57	0.0	6	0.0	1500	57	0	6	0.43	0	66.3	63.5	45.3	44.0	44.0

*----- 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	0.0117
MAIN ROUTE WITH WORKS	0.0113
DIVERSION	0.0034

PIA: Personal Injury Accidents

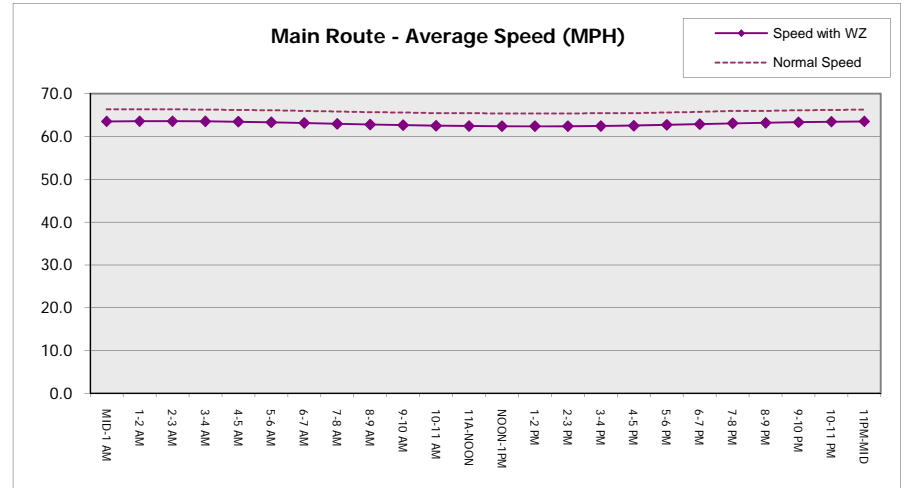
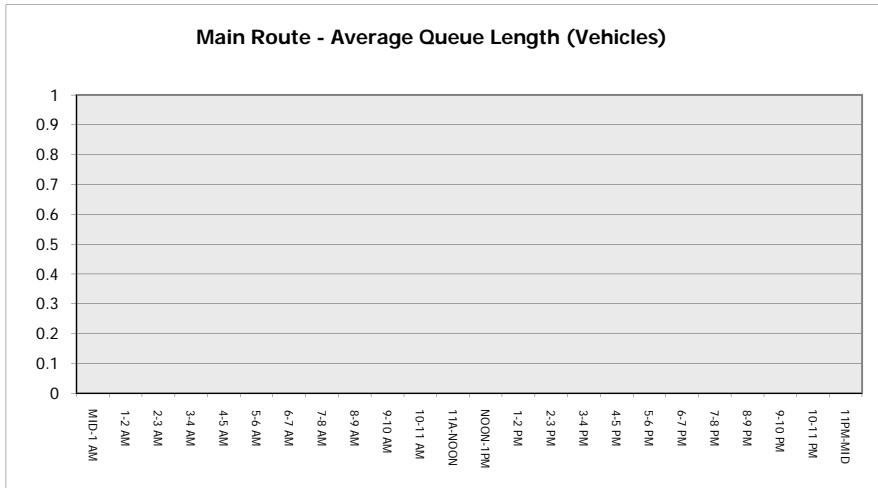
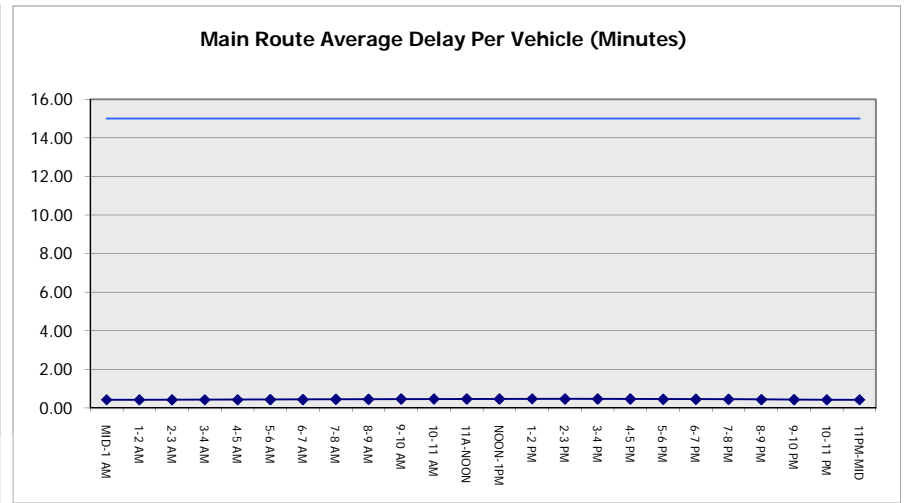
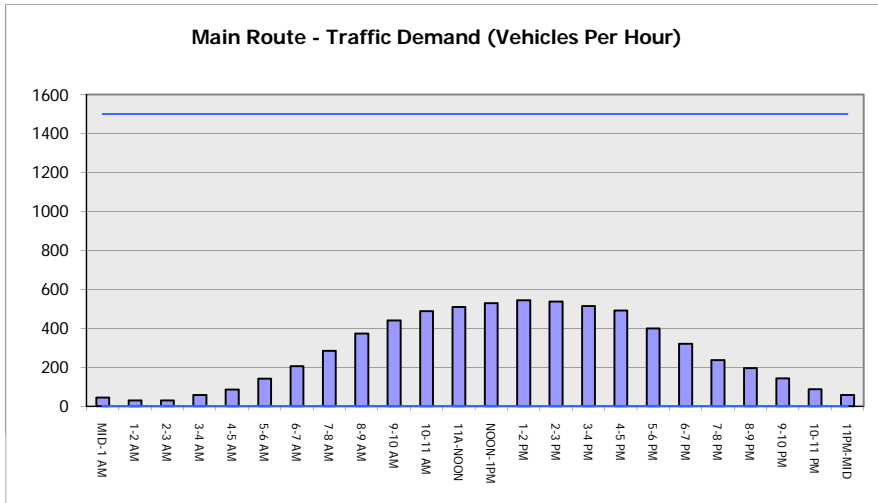
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$627
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39: STH 21 TO CTH J (WAUSHARA AND MARQUETTE COUNTIES)**  
**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: CTH J - CTH CH - STH 21**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR SOUTHBOUND DIRECTION**



<b>IH 39: STH 21 TO CTH J (WAUSHARA AND MARQUETTE COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: CTH J - CTH CH - STH 21</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	62	0.0	7	0.0	1500	62	0	7	0.43	0	66.3	63.5	45.3	44.0	44.0
1-2 AM	39	0.0	4	0.0	1500	39	0	4	0.43	0	66.3	63.6	45.3	44.0	44.0
2-3 AM	37	0.0	4	0.0	1500	37	0	4	0.43	0	66.3	63.6	45.3	44.0	44.0
3-4 AM	43	0.0	5	0.0	1500	43	0	5	0.43	0	66.3	63.5	45.3	44.0	44.0
4-5 AM	59	0.0	6	0.0	1500	59	0	6	0.43	0	66.3	63.5	45.3	44.0	44.0
5-6 AM	100	0.0	11	0.0	1500	100	0	11	0.43	0	66.2	63.4	45.1	43.9	43.9
6-7 AM	169	0.0	18	0.0	1500	169	0	18	0.44	0	66.1	63.3	44.8	43.8	43.8
7-8 AM	264	0.0	29	0.0	1500	264	0	29	0.45	0	65.9	63.0	44.4	43.7	43.7
8-9 AM	337	0.0	37	0.0	1500	337	0	37	0.46	0	65.8	62.9	44.2	43.5	43.5
9-10 AM	418	0.0	46	0.0	1500	418	0	46	0.46	0	65.6	62.7	43.8	43.4	43.4
10-11 AM	449	0.0	49	0.0	1500	449	0	49	0.47	0	65.6	62.6	43.7	43.3	43.3
11A-NOON	468	0.0	51	0.0	1500	468	0	51	0.47	0	65.5	62.6	43.7	43.3	43.3
NOON-1PM	459	0.0	50	0.0	1500	459	0	50	0.47	0	65.5	62.6	43.7	43.3	43.3
1-2 PM	494	0.0	54	0.0	1500	494	0	54	0.47	0	65.5	62.5	43.5	43.3	43.3
2-3 PM	511	0.0	56	0.0	1500	511	0	56	0.47	0	65.5	62.5	43.5	43.3	43.3
3-4 PM	491	0.0	54	0.0	1500	491	0	54	0.47	0	65.5	62.5	43.5	43.3	43.3
4-5 PM	518	0.0	57	0.0	1500	518	0	57	0.47	0	65.4	62.5	43.4	43.2	43.2
5-6 PM	474	0.0	51	0.0	1500	474	0	51	0.47	0	65.5	62.5	43.6	43.3	43.3
6-7 PM	417	0.0	45	0.0	1500	417	0	45	0.46	0	65.6	62.7	43.8	43.4	43.4
7-8 PM	364	0.0	39	0.0	1500	364	0	39	0.46	0	65.7	62.8	44.0	43.5	43.5
8-9 PM	291	0.0	32	0.0	1500	291	0	32	0.45	0	65.8	63.0	44.3	43.6	43.6
9-10 PM	222	0.0	24	0.0	1500	222	0	24	0.44	0	66.0	63.2	44.6	43.7	43.7
10-11 PM	153	0.0	17	0.0	1500	153	0	17	0.44	0	66.1	63.3	44.9	43.8	43.8
11PM-MID	102	0.0	11	0.0	1500	102	0	11	0.43	0	66.2	63.4	45.1	43.9	43.9

*----- 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	0.0120
MAIN ROUTE WITH WORKS	0.0116
DIVERSION	0.0035

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$644
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: CTH J - CTH CH - STH 21**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR NORTHBOUND DIRECTION**

