

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

**MAY**  
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	27	0.0	3	0.0	1500	27	0	3	0.43	0	66.3	63.6	45.4	44.0	44.0
1-2 AM	24	0.0	3	0.0	1500	24	0	3	0.42	0	66.3	63.6	45.4	44.0	44.0
2-3 AM	24	0.0	3	0.0	1500	24	0	3	0.42	0	66.3	63.6	45.4	44.0	44.0
3-4 AM	49	0.0	5	0.0	1500	49	0	5	0.43	0	66.3	63.5	45.3	44.0	44.0
4-5 AM	82	0.0	9	0.0	1500	82	0	9	0.43	0	66.3	63.5	45.1	44.0	44.0
5-6 AM	131	0.0	14	0.0	1500	131	0	14	0.44	0	66.1	63.3	45.0	43.9	43.9
6-7 AM	200	0.0	22	0.0	1500	200	0	22	0.44	0	66.0	63.2	44.7	43.8	43.8
7-8 AM	275	0.0	30	0.0	1500	275	0	30	0.45	0	65.9	63.0	44.4	43.7	43.7
8-9 AM	325	0.0	35	0.0	1500	325	0	35	0.45	0	65.8	62.9	44.2	43.6	43.6
9-10 AM	366	0.0	40	0.0	1500	366	0	40	0.46	0	65.7	62.8	44.0	43.5	43.5
10-11 AM	401	0.0	43	0.0	1500	401	0	43	0.46	0	65.6	62.7	43.9	43.5	43.5
11A-NOON	419	0.0	45	0.0	1500	419	0	45	0.46	0	65.6	62.7	43.8	43.4	43.4
NOON-1PM	447	0.0	48	0.0	1500	447	0	48	0.47	0	65.6	62.6	43.7	43.4	43.4
1-2 PM	452	0.0	49	0.0	1500	452	0	49	0.47	0	65.5	62.6	43.7	43.3	43.3
2-3 PM	483	0.0	52	0.0	1500	483	0	52	0.47	0	65.5	62.5	43.6	43.3	43.3
3-4 PM	488	0.0	52	0.0	1500	488	0	52	0.47	0	65.5	62.5	43.5	43.3	43.3
4-5 PM	455	0.0	49	0.0	1500	455	0	49	0.47	0	65.5	62.6	43.7	43.3	43.3
5-6 PM	381	0.0	41	0.0	1500	381	0	41	0.46	0	65.7	62.8	44.0	43.5	43.5
6-7 PM	284	0.0	31	0.0	1500	284	0	31	0.45	0	65.8	63.0	44.3	43.7	43.7
7-8 PM	218	0.0	23	0.0	1500	218	0	23	0.44	0	66.0	63.2	44.6	43.8	43.8
8-9 PM	167	0.0	18	0.0	1500	167	0	18	0.44	0	66.1	63.3	44.8	43.8	43.8
9-10 PM	126	0.0	14	0.0	1500	126	0	14	0.43	0	66.1	63.3	45.0	43.9	43.9
10-11 PM	73	0.0	8	0.0	1500	73	0	8	0.43	0	66.3	63.5	45.2	44.0	44.0
11PM-MID	41	0.0	4	0.0	1500	41	0	4	0.43	0	66.3	63.6	45.3	44.0	44.0

**\*----- 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	0.0103
MAIN ROUTE WITH WORKS	0.0099
DIVERSION	0.0030

PIA: Personal Injury Accidents

**IMPACTS ON ROAD USERS**

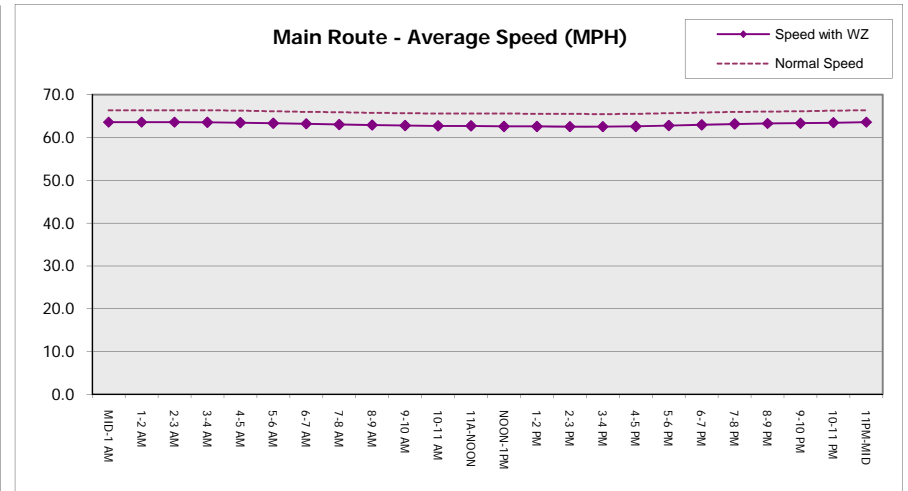
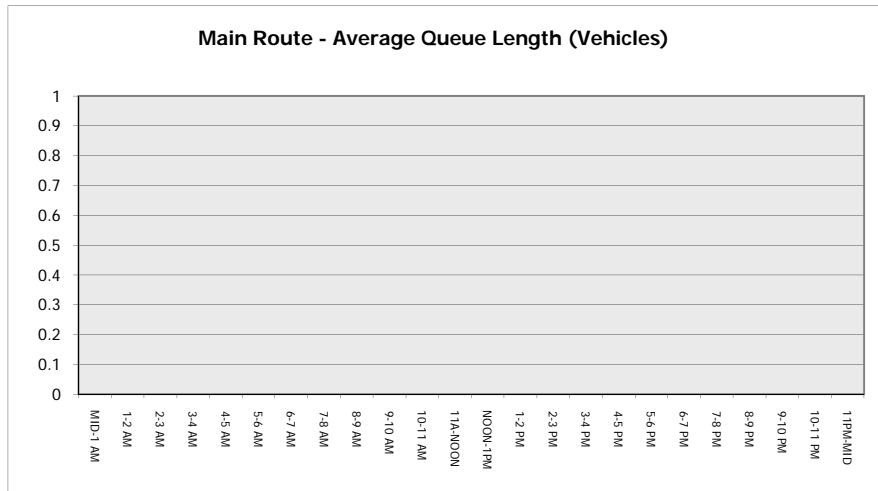
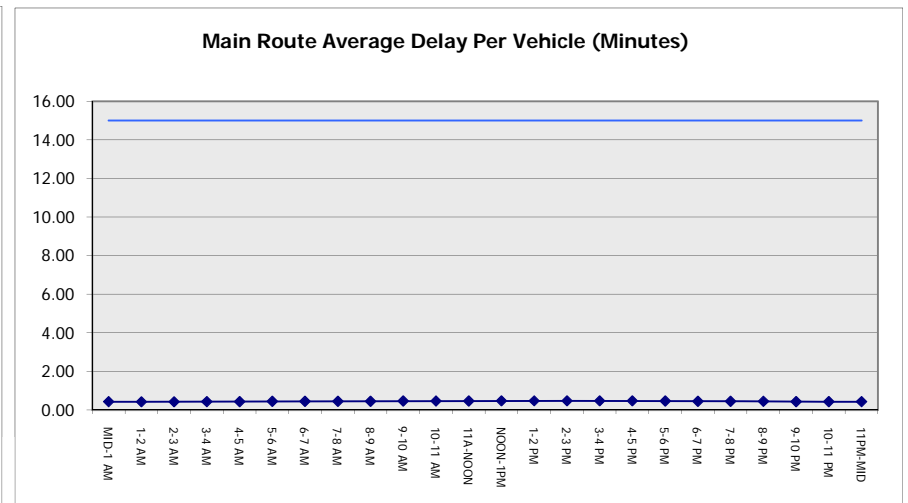
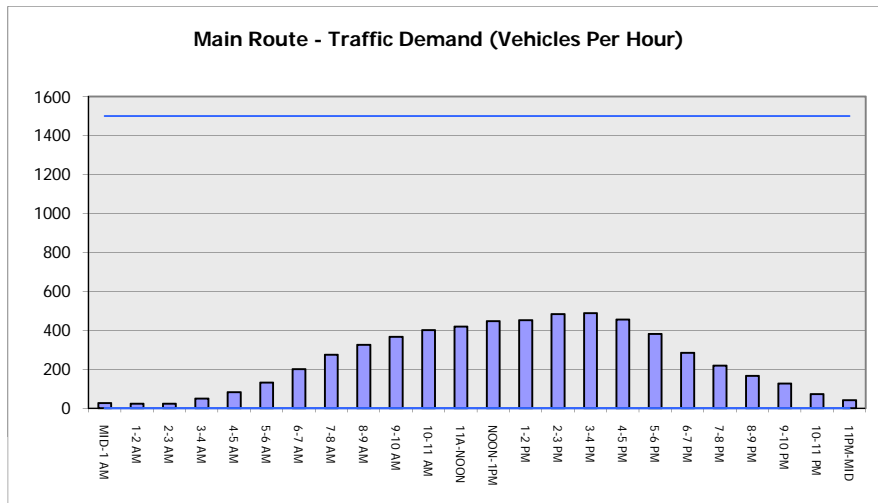
ROAD USER COSTS PER DAY ( DOLLARS)	\$544
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**MAY**  
 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>MAY</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	51	0.0	5	0.0	1500	51	0	5	0.43	0	66.3	63.5	45.3	44.0	44.0
1-2 AM	32	0.0	3	0.0	1500	32	0	3	0.43	0	66.3	63.6	45.4	44.0	44.0
2-3 AM	26	0.0	3	0.0	1500	26	0	3	0.42	0	66.3	63.6	45.4	44.0	44.0
3-4 AM	34	0.0	4	0.0	1500	34	0	4	0.43	0	66.3	63.6	45.3	44.0	44.0
4-5 AM	42	0.0	5	0.0	1500	42	0	5	0.43	0	66.3	63.5	45.3	44.0	44.0
5-6 AM	82	0.0	9	0.0	1500	82	0	9	0.43	0	66.3	63.5	45.1	44.0	44.0
6-7 AM	150	0.0	16	0.0	1500	150	0	16	0.44	0	66.1	63.3	44.9	43.8	43.8
7-8 AM	229	0.0	25	0.0	1500	229	0	25	0.44	0	66.0	63.1	44.6	43.7	43.7
8-9 AM	293	0.0	32	0.0	1500	293	0	32	0.45	0	65.8	63.0	44.3	43.6	43.6
9-10 AM	336	0.0	37	0.0	1500	336	0	37	0.46	0	65.8	62.9	44.2	43.5	43.5
10-11 AM	335	0.0	37	0.0	1500	335	0	37	0.45	0	65.8	62.9	44.2	43.5	43.5
11A-NOON	335	0.0	37	0.0	1500	335	0	37	0.45	0	65.8	62.9	44.2	43.5	43.5
NOON-1PM	327	0.0	36	0.0	1500	327	0	36	0.45	0	65.8	62.9	44.2	43.5	43.5
1-2 PM	361	0.0	39	0.0	1500	361	0	39	0.46	0	65.7	62.8	44.0	43.5	43.5
2-3 PM	382	0.0	42	0.0	1500	382	0	42	0.46	0	65.7	62.8	44.0	43.5	43.5
3-4 PM	390	0.0	43	0.0	1500	390	0	43	0.46	0	65.6	62.8	43.9	43.5	43.5
4-5 PM	425	0.0	46	0.0	1500	425	0	46	0.46	0	65.6	62.7	43.8	43.4	43.4
5-6 PM	367	0.0	40	0.0	1500	367	0	40	0.46	0	65.7	62.8	44.0	43.5	43.5
6-7 PM	303	0.0	33	0.0	1500	303	0	33	0.45	0	65.8	63.0	44.3	43.6	43.6
7-8 PM	244	0.0	27	0.0	1500	244	0	27	0.45	0	66.0	63.1	44.5	43.7	43.7
8-9 PM	194	0.0	21	0.0	1500	194	0	21	0.44	0	66.0	63.2	44.7	43.8	43.8
9-10 PM	151	0.0	17	0.0	1500	151	0	17	0.44	0	66.1	63.3	44.9	43.8	43.8
10-11 PM	119	0.0	13	0.0	1500	119	0	13	0.43	0	66.1	63.4	45.0	43.9	43.9
11PM-MID	73	0.0	8	0.0	1500	73	0	8	0.43	0	66.3	63.5	45.2	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	0.0092
MAIN ROUTE WITH WORKS	0.0088
DIVERSION	0.0027

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$477
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**

**MAY**  
 Analyzed for 2009  
 Construction Season

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

