

**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
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	30	0.0	3	0.0	1500	30	0	3	0.43	0	66.3	63.6	45.4	44.0	44.0
1-2 AM	18	0.0	2	0.0	1500	18	0	2	0.42	0	66.3	63.6	45.5	44.1	44.1
2-3 AM	23	0.0	3	0.0	1500	23	0	3	0.42	0	66.3	63.6	45.4	44.0	44.0
3-4 AM	45	0.0	5	0.0	1500	45	0	5	0.43	0	66.3	63.5	45.3	44.0	44.0
4-5 AM	73	0.0	8	0.0	1500	73	0	8	0.43	0	66.3	63.5	45.2	44.0	44.0
5-6 AM	98	0.0	11	0.0	1500	98	0	11	0.43	0	66.2	63.4	45.1	43.9	43.9
6-7 AM	166	0.0	18	0.0	1500	166	0	18	0.44	0	66.1	63.3	44.8	43.8	43.8
7-8 AM	258	0.0	28	0.0	1500	258	0	28	0.45	0	65.9	63.0	44.5	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	352	0.0	39	0.0	1500	352	0	39	0.46	0	65.7	62.8	44.1	43.5	43.5
10-11 AM	385	0.0	42	0.0	1500	385	0	42	0.46	0	65.6	62.8	44.0	43.5	43.5
11A-NOON	410	0.0	45	0.0	1500	410	0	45	0.46	0	65.6	62.7	43.8	43.4	43.4
NOON-1PM	458	0.0	50	0.0	1500	458	0	50	0.47	0	65.5	62.6	43.7	43.3	43.3
1-2 PM	499	0.0	55	0.0	1500	499	0	55	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	496	0.0	54	0.0	1500	496	0	54	0.47	0	65.5	62.5	43.5	43.3	43.3
4-5 PM	533	0.0	58	0.0	1500	533	0	58	0.47	0	65.4	62.4	43.4	43.2	43.2
5-6 PM	494	0.0	54	0.0	1500	494	0	54	0.47	0	65.5	62.5	43.5	43.3	43.3
6-7 PM	398	0.0	43	0.0	1500	398	0	43	0.46	0	65.6	62.7	43.9	43.5	43.5
7-8 PM	301	0.0	33	0.0	1500	301	0	33	0.45	0	65.8	63.0	44.3	43.6	43.6
8-9 PM	208	0.0	23	0.0	1500	208	0	23	0.44	0	66.0	63.2	44.6	43.8	43.8
9-10 PM	138	0.0	15	0.0	1500	138	0	15	0.44	0	66.1	63.3	45.0	43.8	43.8
10-11 PM	80	0.0	9	0.0	1500	80	0	9	0.43	0	66.3	63.5	45.1	44.0	44.0
11PM-MID	59	0.0	6	0.0	1500	59	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 (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	0.0110
MAIN ROUTE WITH WORKS	0.0106
DIVERSION	0.0032

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

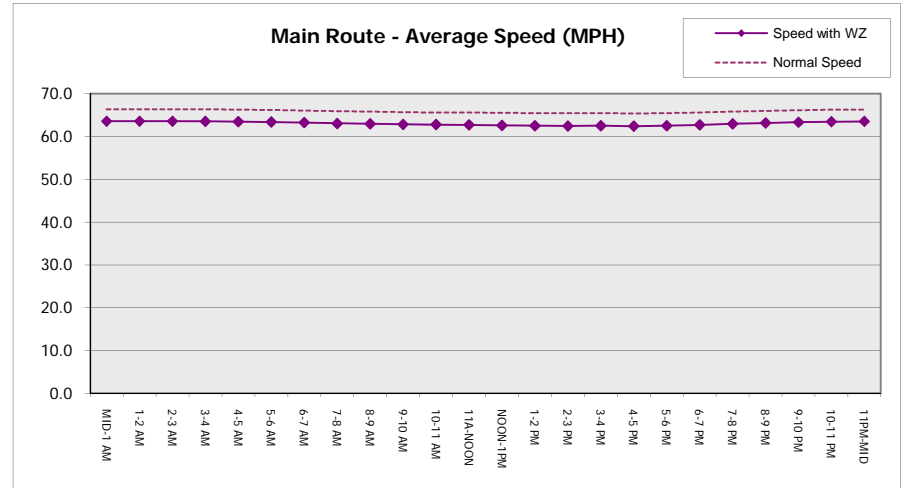
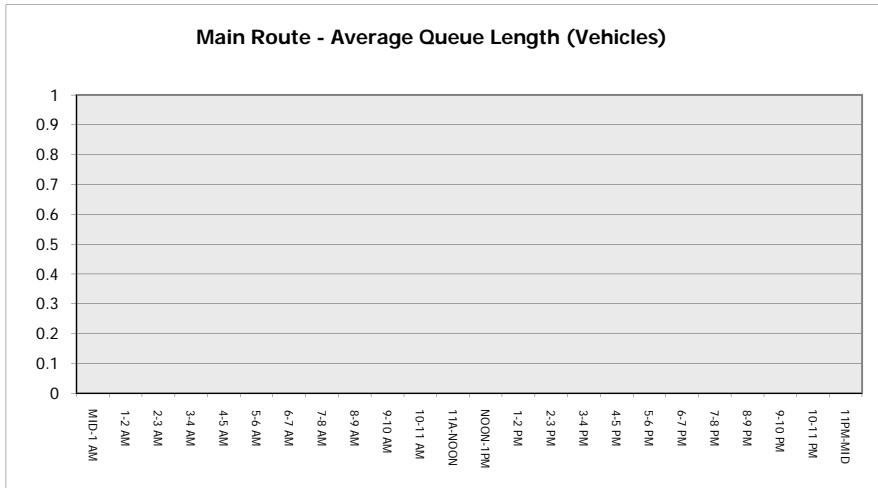
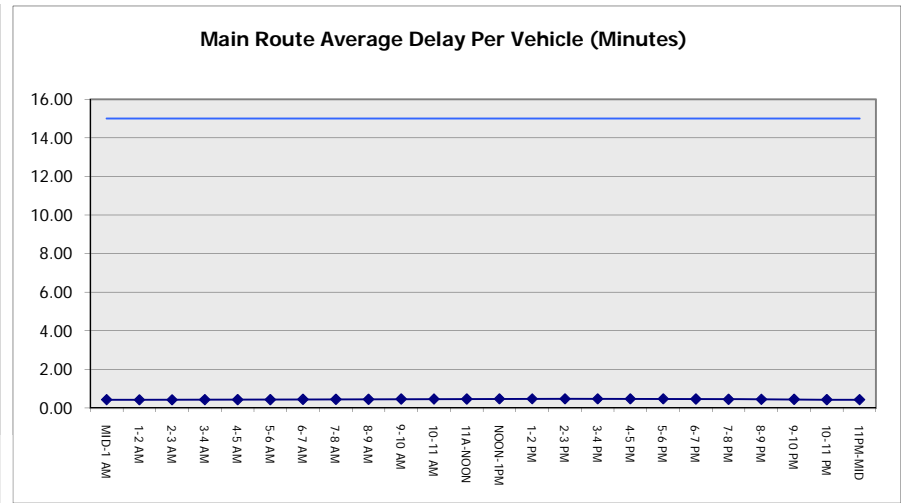
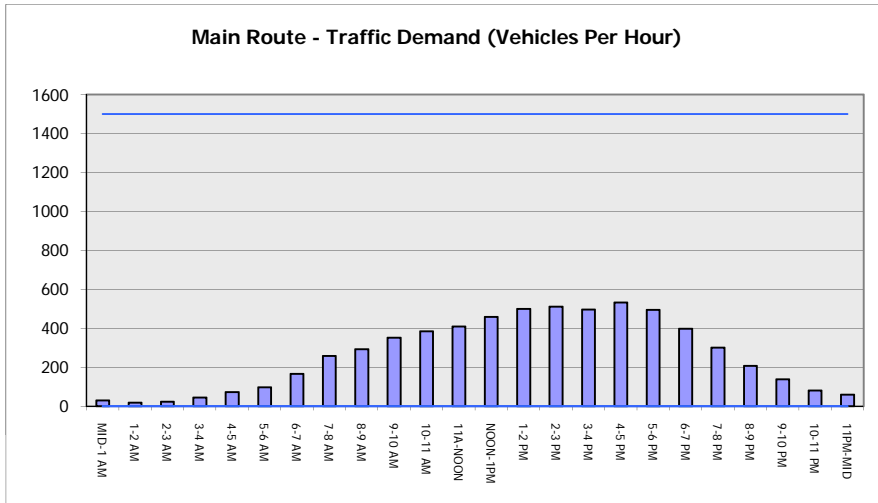
ROAD USER COSTS PER DAY (DOLLARS)	\$605
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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

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	66	0.0	7	0.0	1500	66	0	7	0.43	0	66.3	63.5	45.2	44.0	44.0
1-2 AM	44	0.0	5	0.0	1500	44	0	5	0.43	0	66.3	63.5	45.3	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	45	0.0	5	0.0	1500	45	0	5	0.43	0	66.3	63.5	45.3	44.0	44.0
4-5 AM	54	0.0	6	0.0	1500	54	0	6	0.43	0	66.3	63.5	45.3	44.0	44.0
5-6 AM	96	0.0	11	0.0	1500	96	0	11	0.43	0	66.2	63.4	45.1	43.9	43.9
6-7 AM	166	0.0	18	0.0	1500	166	0	18	0.44	0	66.1	63.3	44.8	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	400	0.0	44	0.0	1500	400	0	44	0.46	0	65.6	62.7	43.9	43.5	43.5
9-10 AM	494	0.0	54	0.0	1500	494	0	54	0.47	0	65.5	62.5	43.5	43.3	43.3
10-11 AM	539	0.0	59	0.0	1500	539	0	59	0.47	0	65.4	62.4	43.3	43.2	43.2
11A-NOON	573	0.0	63	0.0	1500	573	0	63	0.48	0	65.3	62.3	43.2	43.2	43.2
NOON-1PM	599	0.0	66	0.0	1500	599	0	66	0.48	0	65.3	62.3	43.2	43.1	43.1
1-2 PM	692	0.0	76	0.0	1500	692	0	76	0.49	0	65.1	62.1	42.8	43.0	43.0
2-3 PM	787	0.0	86	0.0	1500	787	0	86	0.50	0	64.9	61.9	42.4	42.8	42.8
3-4 PM	828	0.0	90	0.0	1500	828	0	90	0.50	0	64.8	61.8	42.3	42.8	42.8
4-5 PM	948	0.0	104	0.0	1500	948	0	104	0.51	0	64.6	61.5	41.9	42.5	42.5
5-6 PM	936	0.0	102	0.0	1500	936	0	102	0.51	0	64.6	61.5	41.9	42.6	42.6
6-7 PM	951	0.0	104	0.0	1500	951	0	104	0.51	0	64.6	61.5	41.9	42.5	42.5
7-8 PM	830	0.0	91	0.0	1500	830	0	91	0.50	0	64.8	61.8	42.3	42.7	42.7
8-9 PM	601	0.0	66	0.0	1500	601	0	66	0.48	0	65.3	62.3	43.1	43.1	43.1
9-10 PM	391	0.0	43	0.0	1500	391	0	43	0.46	0	65.6	62.8	43.9	43.5	43.5
10-11 PM	268	0.0	29	0.0	1500	268	0	29	0.45	0	65.9	63.0	44.4	43.7	43.7
11PM-MID	151	0.0	17	0.0	1500	151	0	17	0.44	0	66.1	63.3	44.9	43.8	43.8

----- 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	0.0187
MAIN ROUTE WITH WORKS	0.0180
DIVERSION	0.0055

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,089
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

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 Construction Season

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FRIDAY NORTHBOUND DIRECTION

