

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

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	37	0.0	4	0.0	1500	37	0	4	0.43	0	66.3	63.6	45.3	44.0	44.0
1-2 AM	23	0.0	3	0.0	1500	23	0	3	0.42	0	66.3	63.6	45.4	44.0	44.0
2-3 AM	16	0.0	2	0.0	1500	16	0	2	0.42	0	66.4	63.6	45.5	44.1	44.1
3-4 AM	20	0.0	2	0.0	1500	20	0	2	0.42	0	66.3	63.6	45.4	44.1	44.1
4-5 AM	23	0.0	3	0.0	1500	23	0	3	0.42	0	66.3	63.6	45.4	44.0	44.0
5-6 AM	40	0.0	4	0.0	1500	40	0	4	0.43	0	66.3	63.6	45.3	44.0	44.0
6-7 AM	86	0.0	9	0.0	1500	86	0	9	0.43	0	66.2	63.5	45.1	44.0	44.0
7-8 AM	177	0.0	19	0.0	1500	177	0	19	0.44	0	66.1	63.2	44.8	43.8	43.8
8-9 AM	358	0.0	39	0.0	1500	358	0	39	0.46	0	65.7	62.8	44.0	43.5	43.5
9-10 AM	597	0.0	65	0.0	1500	597	0	65	0.48	0	65.3	62.3	43.2	43.2	43.2
10-11 AM	813	0.0	89	0.0	1500	813	0	89	0.50	0	64.9	61.8	42.4	42.8	42.8
11A-NOON	1054	0.0	115	0.0	1500	1054	0	115	0.52	0	64.4	61.2	41.5	42.4	42.4
NOON-1PM	1130	0.0	124	0.0	1500	1130	0	124	0.55	0	64.3	61.0	40.8	42.3	42.3
1-2 PM	1234	0.0	135	0.0	1500	1234	0	135	0.68	0	64.1	60.1	37.4	42.1	42.1
2-3 PM	1248	0.0	136	0.0	1500	1248	0	136	0.70	0	64.1	59.9	36.9	42.1	42.1
3-4 PM	1275	0.0	139	0.0	1500	1275	0	139	0.73	0	64.0	59.7	36.2	42.0	42.0
4-5 PM	1164	0.0	127	0.0	1500	1164	0	127	0.59	0	64.2	60.7	39.6	42.2	42.2
5-6 PM	1037	0.0	113	0.0	1500	1037	0	113	0.52	0	64.5	61.3	41.5	42.4	42.4
6-7 PM	893	0.0	98	0.0	1500	893	0	98	0.51	0	64.7	61.6	42.0	42.7	42.7
7-8 PM	640	0.0	70	0.0	1500	640	0	70	0.48	0	65.2	62.2	43.0	43.0	43.0
8-9 PM	460	0.0	50	0.0	1500	460	0	50	0.47	0	65.5	62.6	43.7	43.3	43.3
9-10 PM	278	0.0	30	0.0	1500	278	0	30	0.45	0	65.9	63.0	44.4	43.7	43.7
10-11 PM	143	0.0	16	0.0	1500	143	0	16	0.44	0	66.1	63.3	44.9	43.8	43.8
11PM-MID	77	0.0	8	0.0	1500	77	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	0.0222
MAIN ROUTE WITH WORKS	0.0214
DIVERSION	0.0065

PIA: Personal Injury Accidents

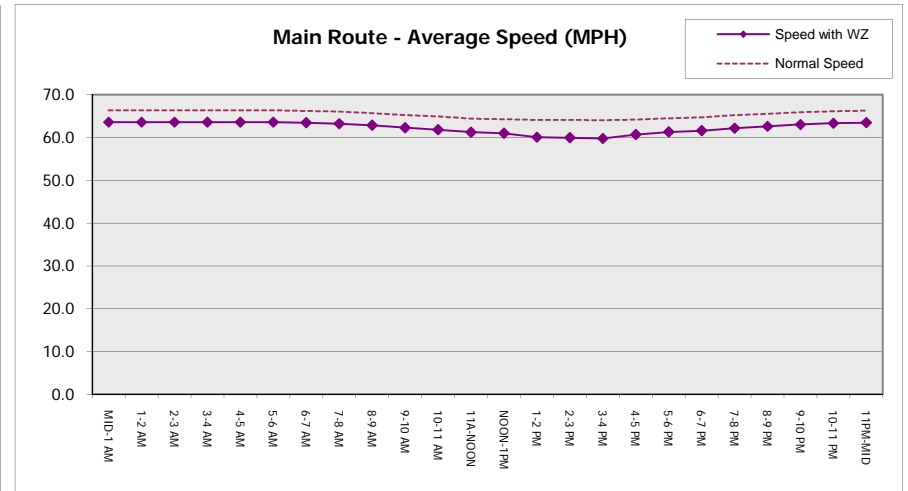
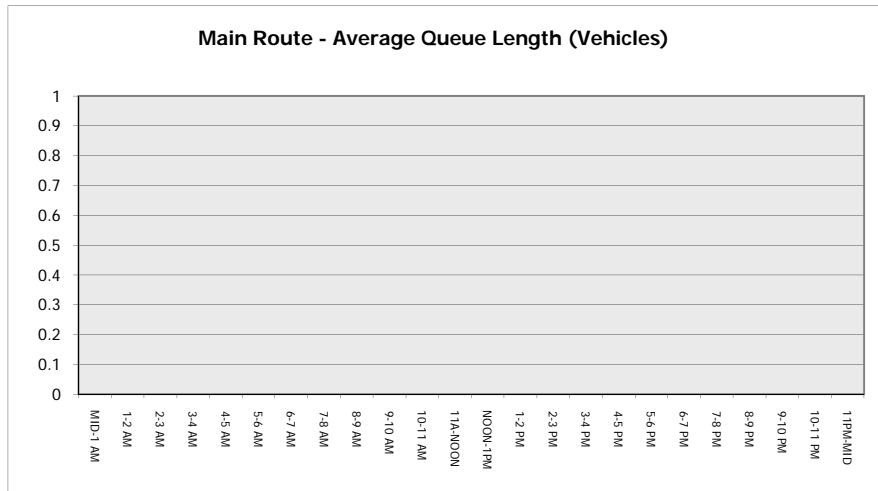
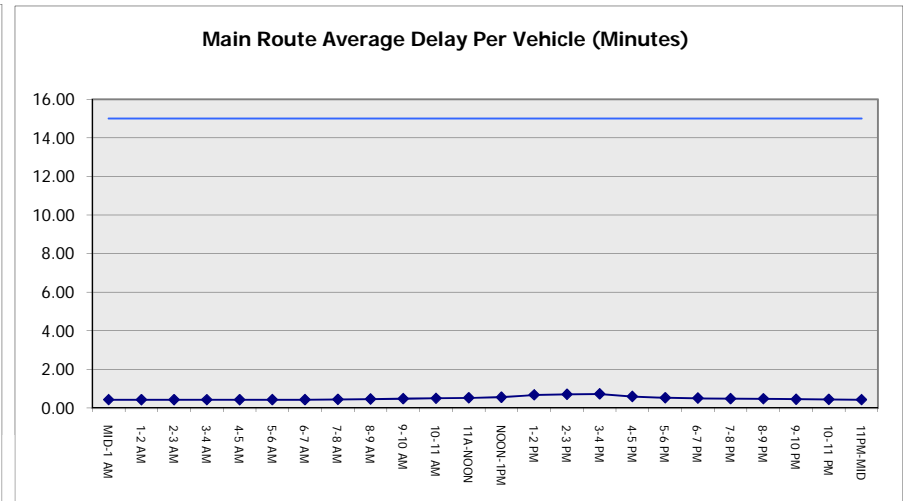
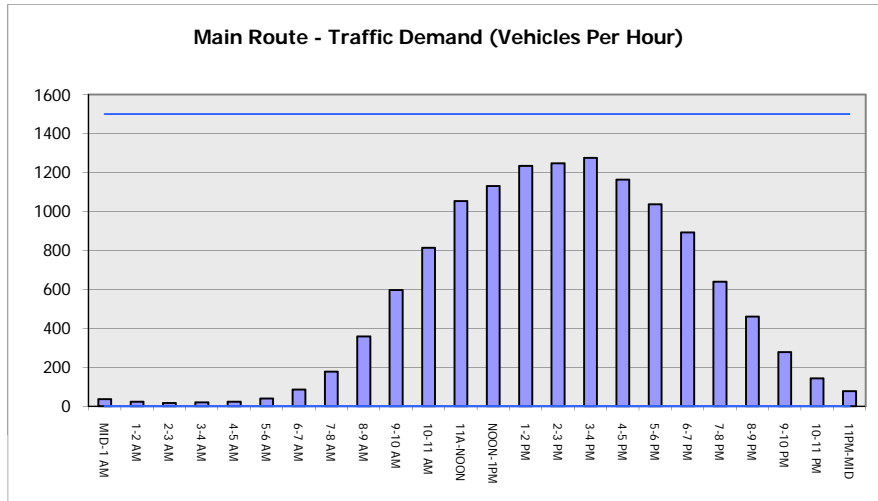
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,893
CONGESTED HOURS PER DAY*	0

*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
SUNDAY 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	AUGUST
	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	59	0.0	6	0.0	1500	59	0	6	0.43	0	66.3	63.5	45.3	44.0	44.0
1-2 AM	37	0.0	4	0.0	1500	37	0	4	0.43	0	66.3	63.6	45.3	44.0	44.0
2-3 AM	28	0.0	3	0.0	1500	28	0	3	0.43	0	66.3	63.6	45.4	44.0	44.0
3-4 AM	23	0.0	3	0.0	1500	23	0	3	0.42	0	66.3	63.6	45.4	44.0	44.0
4-5 AM	16	0.0	2	0.0	1500	16	0	2	0.42	0	66.4	63.6	45.5	44.1	44.1
5-6 AM	24	0.0	3	0.0	1500	24	0	3	0.42	0	66.3	63.6	45.4	44.0	44.0
6-7 AM	53	0.0	6	0.0	1500	53	0	6	0.43	0	66.3	63.5	45.3	44.0	44.0
7-8 AM	109	0.0	12	0.0	1500	109	0	12	0.43	0	66.2	63.4	45.1	43.9	43.9
8-9 AM	219	0.0	24	0.0	1500	219	0	24	0.44	0	66.0	63.2	44.6	43.7	43.7
9-10 AM	360	0.0	39	0.0	1500	360	0	39	0.46	0	65.7	62.8	44.0	43.5	43.5
10-11 AM	549	0.0	60	0.0	1500	549	0	60	0.48	0	65.4	62.4	43.3	43.2	43.2
11A-NOON	655	0.0	72	0.0	1500	655	0	72	0.49	0	65.1	62.2	42.9	43.0	43.0
NOON-1PM	656	0.0	72	0.0	1500	656	0	72	0.49	0	65.1	62.2	42.9	43.0	43.0
1-2 PM	654	0.0	71	0.0	1500	654	0	71	0.49	0	65.1	62.2	42.9	43.0	43.0
2-3 PM	651	0.0	71	0.0	1500	651	0	71	0.49	0	65.1	62.2	42.9	43.0	43.0
3-4 PM	605	0.0	66	0.0	1500	605	0	66	0.48	0	65.3	62.3	43.1	43.1	43.1
4-5 PM	598	0.0	65	0.0	1500	598	0	65	0.48	0	65.3	62.3	43.2	43.2	43.2
5-6 PM	567	0.0	62	0.0	1500	567	0	62	0.48	0	65.3	62.3	43.2	43.2	43.2
6-7 PM	495	0.0	54	0.0	1500	495	0	54	0.47	0	65.5	62.5	43.5	43.3	43.3
7-8 PM	455	0.0	50	0.0	1500	455	0	50	0.47	0	65.5	62.6	43.7	43.3	43.3
8-9 PM	365	0.0	40	0.0	1500	365	0	40	0.46	0	65.7	62.8	44.0	43.5	43.5
9-10 PM	238	0.0	26	0.0	1500	238	0	26	0.45	0	66.0	63.1	44.5	43.7	43.7
10-11 PM	163	0.0	18	0.0	1500	163	0	18	0.44	0	66.1	63.3	44.8	43.8	43.8
11PM-MID	98	0.0	11	0.0	1500	98	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	0.0133
MAIN ROUTE WITH WORKS	0.0128
DIVERSION	0.0039

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$947
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
SUNDAY NORTHBOUND DIRECTION

