

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

SATURDAY 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	52	0.0	6	0.0	1500	52	0	6	0.43	0	66.3	63.5	45.3	44.0	44.0
1-2 AM	33	0.0	4	0.0	1500	33	0	4	0.43	0	66.3	63.6	45.3	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	45	0.0	5	0.0	1500	45	0	5	0.43	0	66.3	63.5	45.3	44.0	44.0
5-6 AM	62	0.0	7	0.0	1500	62	0	7	0.43	0	66.3	63.5	45.3	44.0	44.0
6-7 AM	142	0.0	15	0.0	1500	142	0	15	0.44	0	66.1	63.3	44.9	43.8	43.8
7-8 AM	309	0.0	34	0.0	1500	309	0	34	0.45	0	65.8	63.0	44.3	43.6	43.6
8-9 AM	499	0.0	55	0.0	1500	499	0	55	0.47	0	65.5	62.5	43.5	43.3	43.3
9-10 AM	676	0.0	74	0.0	1500	676	0	74	0.49	0	65.1	62.1	42.8	43.0	43.0
10-11 AM	823	0.0	90	0.0	1500	823	0	90	0.50	0	64.8	61.8	42.3	42.8	42.8
11A-NOON	903	0.0	99	0.0	1500	903	0	99	0.51	0	64.7	61.6	42.0	42.6	42.6
NOON-1PM	813	0.0	89	0.0	1500	813	0	89	0.50	0	64.9	61.8	42.4	42.8	42.8
1-2 PM	726	0.0	79	0.0	1500	726	0	79	0.49	0	65.0	62.0	42.7	42.9	42.9
2-3 PM	611	0.0	67	0.0	1500	611	0	67	0.48	0	65.3	62.2	43.1	43.1	43.1
3-4 PM	513	0.0	56	0.0	1500	513	0	56	0.47	0	65.5	62.5	43.5	43.3	43.3
4-5 PM	462	0.0	50	0.0	1500	462	0	50	0.47	0	65.5	62.6	43.7	43.3	43.3
5-6 PM	387	0.0	42	0.0	1500	387	0	42	0.46	0	65.6	62.8	44.0	43.5	43.5
6-7 PM	312	0.0	34	0.0	1500	312	0	34	0.45	0	65.8	62.9	44.2	43.6	43.6
7-8 PM	255	0.0	28	0.0	1500	255	0	28	0.45	0	65.9	63.1	44.5	43.7	43.7
8-9 PM	243	0.0	27	0.0	1500	243	0	27	0.45	0	66.0	63.1	44.5	43.7	43.7
9-10 PM	191	0.0	21	0.0	1500	191	0	21	0.44	0	66.0	63.2	44.7	43.8	43.8
10-11 PM	111	0.0	12	0.0	1500	111	0	12	0.43	0	66.2	63.4	45.0	43.9	43.9
11PM-MID	71	0.0	8	0.0	1500	71	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		0.0144
MAIN ROUTE WITH WORKS		0.0138
DIVERSION		0.0042

PIA: Personal Injury Accidents

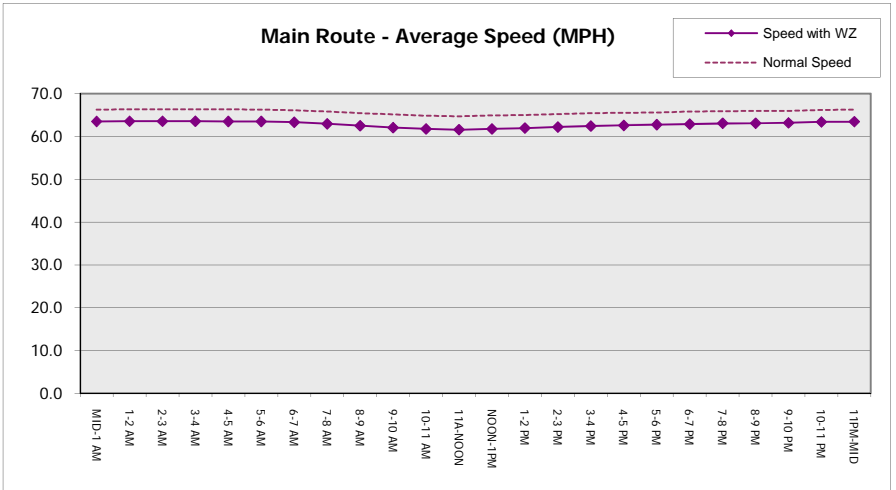
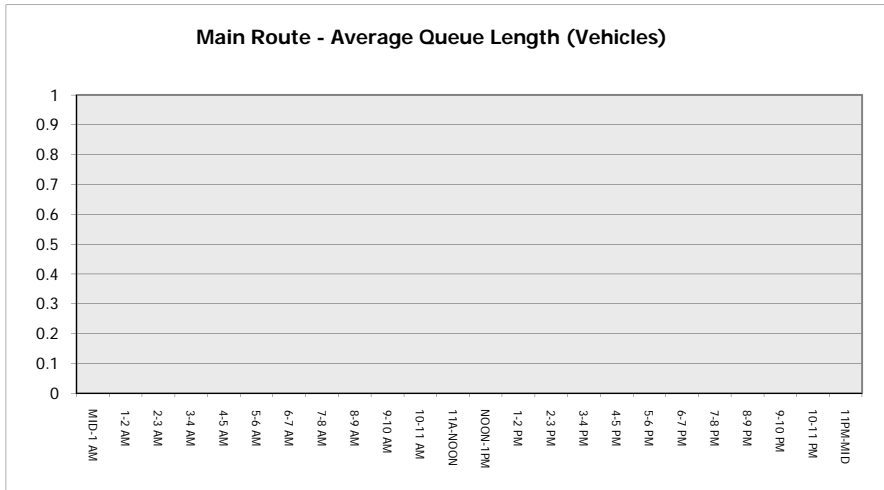
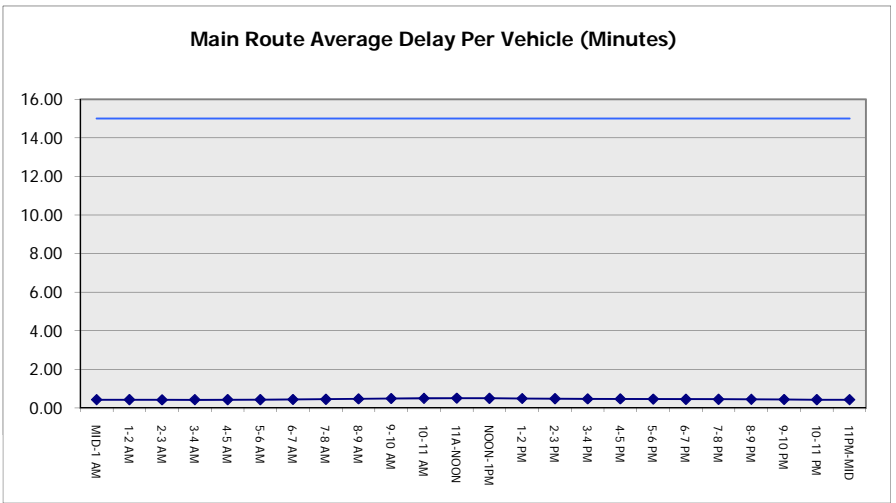
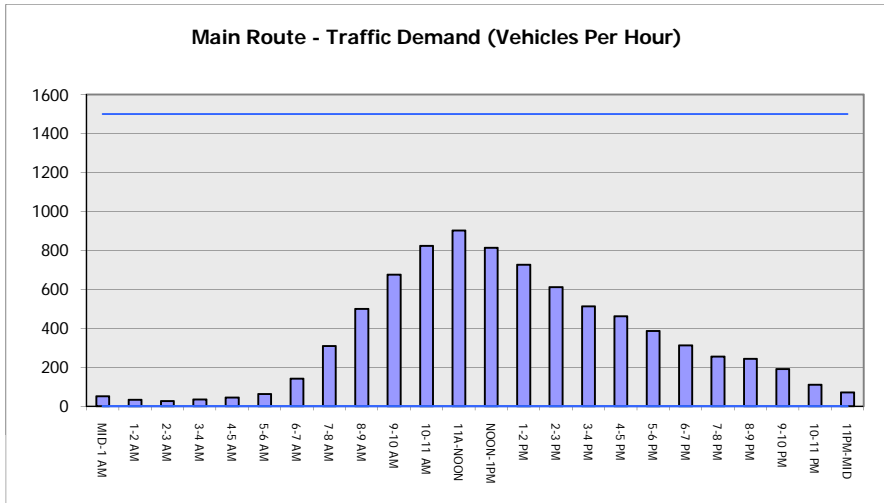
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,010
CONGESTED HOURS PER DAY*	0

*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
SATURDAY 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

SATURDAY 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	123	0.0	13	0.0	1500	123	0	13	0.43	0	66.1	63.3	45.0	43.9	43.9
1-2 AM	76	0.0	8	0.0	1500	76	0	8	0.43	0	66.3	63.5	45.2	44.0	44.0
2-3 AM	47	0.0	5	0.0	1500	47	0	5	0.43	0	66.3	63.5	45.3	44.0	44.0
3-4 AM	44	0.0	5	0.0	1500	44	0	5	0.43	0	66.3	63.5	45.3	44.0	44.0
4-5 AM	50	0.0	5	0.0	1500	50	0	5	0.43	0	66.3	63.5	45.3	44.0	44.0
5-6 AM	83	0.0	9	0.0	1500	83	0	9	0.43	0	66.3	63.5	45.1	44.0	44.0
6-7 AM	155	0.0	17	0.0	1500	155	0	17	0.44	0	66.1	63.3	44.8	43.8	43.8
7-8 AM	320	0.0	35	0.0	1500	320	0	35	0.45	0	65.8	62.9	44.2	43.6	43.6
8-9 AM	529	0.0	58	0.0	1500	529	0	58	0.47	0	65.4	62.4	43.4	43.2	43.2
9-10 AM	787	0.0	86	0.0	1500	787	0	86	0.50	0	64.9	61.9	42.4	42.8	42.8
10-11 AM	954	0.0	104	0.0	1500	954	0	104	0.51	0	64.6	61.5	41.9	42.5	42.5
11A-NOON	967	0.0	106	0.0	1500	967	0	106	0.52	0	64.6	61.5	41.8	42.5	42.5
NOON-1PM	913	0.0	100	0.0	1500	913	0	100	0.51	0	64.7	61.5	42.0	42.6	42.6
1-2 PM	793	0.0	87	0.0	1500	793	0	87	0.50	0	64.9	61.9	42.4	42.8	42.8
2-3 PM	668	0.0	73	0.0	1500	668	0	73	0.49	0	65.1	62.1	42.8	43.0	43.0
3-4 PM	617	0.0	67	0.0	1500	617	0	67	0.48	0	65.2	62.2	43.0	43.1	43.1
4-5 PM	556	0.0	61	0.0	1500	556	0	61	0.48	0	65.3	62.3	43.3	43.2	43.2
5-6 PM	468	0.0	51	0.0	1500	468	0	51	0.47	0	65.5	62.6	43.7	43.3	43.3
6-7 PM	423	0.0	46	0.0	1500	423	0	46	0.46	0	65.6	62.7	43.8	43.4	43.4
7-8 PM	369	0.0	40	0.0	1500	369	0	40	0.46	0	65.7	62.8	44.0	43.5	43.5
8-9 PM	302	0.0	33	0.0	1500	302	0	33	0.45	0	65.8	63.0	44.3	43.6	43.6
9-10 PM	231	0.0	25	0.0	1500	231	0	25	0.44	0	66.0	63.1	44.6	43.7	43.7
10-11 PM	189	0.0	21	0.0	1500	189	0	21	0.44	0	66.0	63.2	44.7	43.8	43.8
11PM-MID	113	0.0	12	0.0	1500	113	0	12	0.43	0	66.2	63.4	45.0	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	0.0170
MAIN ROUTE WITH WORKS	0.0163
DIVERSION	0.0050

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,205
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
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY NORTHBOUND DIRECTION

