

IH 39: STH 21 TO CTH J (WAUSHARA AND MARQUETTE COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH J - CTH CH - STH 21	OCTOBER
	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	28	0.0	3	0.0	1500	28	0	3	0.43	0	66.3	63.6	45.4	44.0	44.0
1-2 AM	21	0.0	2	0.0	1500	21	0	2	0.42	0	66.3	63.6	45.4	44.1	44.1
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	48	0.0	5	0.0	1500	48	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	101	0.0	11	0.0	1500	101	0	11	0.43	0	66.2	63.4	45.1	43.9	43.9
6-7 AM	164	0.0	18	0.0	1500	164	0	18	0.44	0	66.1	63.3	44.8	43.8	43.8
7-8 AM	230	0.0	25	0.0	1500	230	0	25	0.44	0	66.0	63.1	44.6	43.7	43.7
8-9 AM	295	0.0	32	0.0	1500	295	0	32	0.45	0	65.8	63.0	44.3	43.6	43.6
9-10 AM	362	0.0	40	0.0	1500	362	0	40	0.46	0	65.7	62.8	44.0	43.5	43.5
10-11 AM	422	0.0	46	0.0	1500	422	0	46	0.46	0	65.6	62.7	43.8	43.4	43.4
11A-NOON	479	0.0	52	0.0	1500	479	0	52	0.47	0	65.5	62.5	43.6	43.3	43.3
NOON-1PM	508	0.0	56	0.0	1500	508	0	56	0.47	0	65.5	62.5	43.5	43.3	43.3
1-2 PM	561	0.0	61	0.0	1500	561	0	61	0.48	0	65.3	62.3	43.3	43.2	43.2
2-3 PM	573	0.0	63	0.0	1500	573	0	63	0.48	0	65.3	62.3	43.2	43.2	43.2
3-4 PM	564	0.0	62	0.0	1500	564	0	62	0.48	0	65.3	62.3	43.3	43.2	43.2
4-5 PM	553	0.0	60	0.0	1500	553	0	60	0.48	0	65.3	62.4	43.3	43.2	43.2
5-6 PM	530	0.0	58	0.0	1500	530	0	58	0.47	0	65.4	62.4	43.4	43.2	43.2
6-7 PM	413	0.0	45	0.0	1500	413	0	45	0.46	0	65.6	62.7	43.8	43.4	43.4
7-8 PM	274	0.0	30	0.0	1500	274	0	30	0.45	0	65.9	63.0	44.4	43.7	43.7
8-9 PM	205	0.0	22	0.0	1500	205	0	22	0.44	0	66.0	63.2	44.6	43.8	43.8
9-10 PM	142	0.0	15	0.0	1500	142	0	15	0.44	0	66.1	63.3	44.9	43.8	43.8
10-11 PM	94	0.0	10	0.0	1500	94	0	10	0.43	0	66.2	63.5	45.1	44.0	44.0
11PM-MID	52	0.0	6	0.0	1500	52	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	0.0112
DIVERSION	0.0034

PIA: Personal Injury Accidents

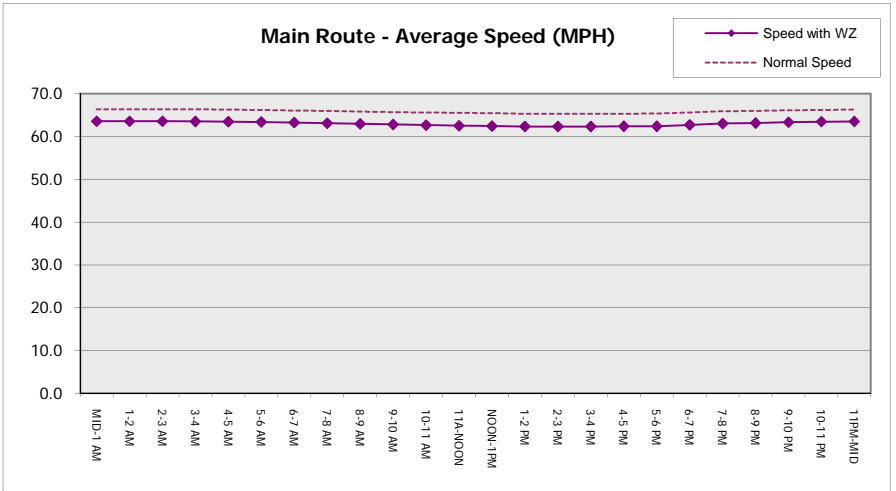
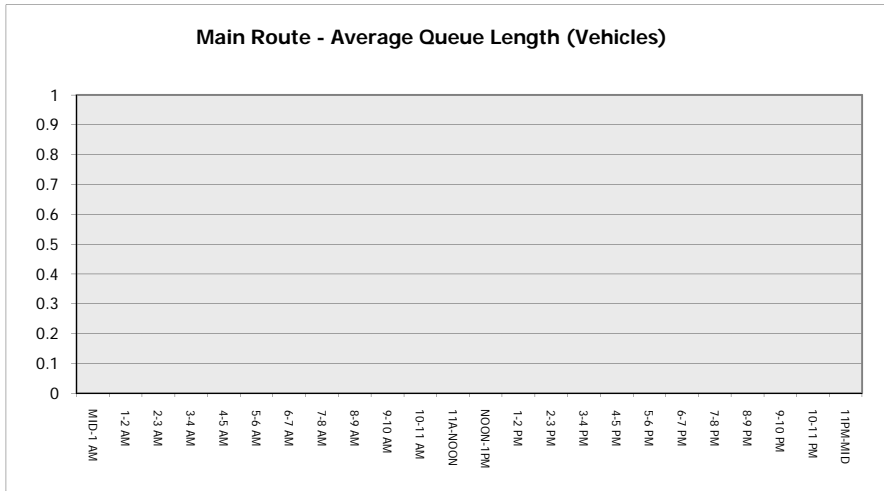
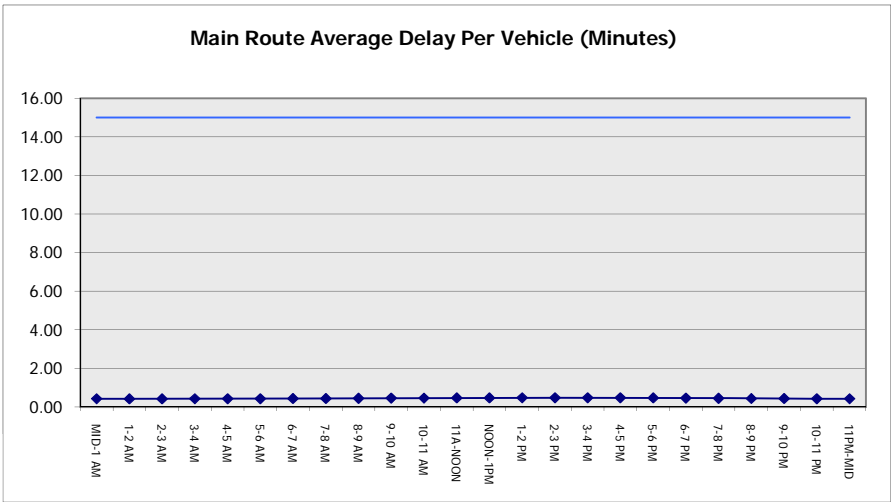
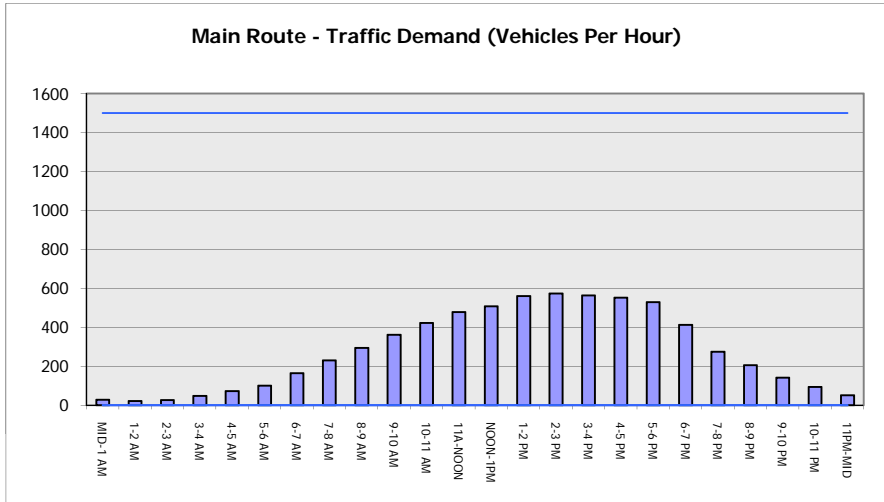
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$645
CONGESTED HOURS PER DAY*	0

*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

OCTOBER
 Analyzed for 2009
 Construction Season

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	OCTOBER
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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	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	42	0.0	5	0.0	1500	42	0	5	0.43	0	66.3	63.5	45.3	44.0	44.0
2-3 AM	43	0.0	5	0.0	1500	43	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	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	88	0.0	10	0.0	1500	88	0	10	0.43	0	66.2	63.5	45.1	44.0	44.0
6-7 AM	168	0.0	18	0.0	1500	168	0	18	0.44	0	66.1	63.3	44.8	43.8	43.8
7-8 AM	269	0.0	29	0.0	1500	269	0	29	0.45	0	65.9	63.0	44.4	43.7	43.7
8-9 AM	379	0.0	41	0.0	1500	379	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	532	0.0	58	0.0	1500	532	0	58	0.47	0	65.4	62.4	43.4	43.2	43.2
11A-NOON	549	0.0	60	0.0	1500	549	0	60	0.48	0	65.4	62.4	43.3	43.2	43.2
NOON-1PM	604	0.0	66	0.0	1500	604	0	66	0.48	0	65.3	62.3	43.1	43.1	43.1
1-2 PM	694	0.0	76	0.0	1500	694	0	76	0.49	0	65.1	62.0	42.8	43.0	43.0
2-3 PM	772	0.0	84	0.0	1500	772	0	84	0.50	0	65.0	61.9	42.5	42.8	42.8
3-4 PM	806	0.0	88	0.0	1500	806	0	88	0.50	0	64.9	61.8	42.4	42.8	42.8
4-5 PM	866	0.0	95	0.0	1500	866	0	95	0.51	0	64.8	61.7	42.2	42.7	42.7
5-6 PM	924	0.0	101	0.0	1500	924	0	101	0.51	0	64.6	61.5	41.9	42.6	42.6
6-7 PM	832	0.0	91	0.0	1500	832	0	91	0.50	0	64.8	61.7	42.3	42.7	42.7
7-8 PM	694	0.0	76	0.0	1500	694	0	76	0.49	0	65.1	62.0	42.8	43.0	43.0
8-9 PM	507	0.0	55	0.0	1500	507	0	55	0.47	0	65.5	62.5	43.5	43.3	43.3
9-10 PM	356	0.0	39	0.0	1500	356	0	39	0.46	0	65.7	62.8	44.1	43.5	43.5
10-11 PM	229	0.0	25	0.0	1500	229	0	25	0.44	0	66.0	63.1	44.6	43.7	43.7
11PM-MID	131	0.0	14	0.0	1500	131	0	14	0.44	0	66.1	63.3	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	0.0175
MAIN ROUTE WITH WORKS	0.0168
DIVERSION	0.0051

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,011
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

