

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

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	39	0.0	4	0.0	1500	39	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	20	0.0	2	0.0	1500	20	0	2	0.42	0	66.3	63.6	45.4	44.1	44.1
3-4 AM	28	0.0	3	0.0	1500	28	0	3	0.43	0	66.3	63.6	45.4	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	67	0.0	7	0.0	1500	67	0	7	0.43	0	66.3	63.5	45.2	44.0	44.0
6-7 AM	130	0.0	14	0.0	1500	130	0	14	0.44	0	66.1	63.3	45.0	43.9	43.9
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	393	0.0	43	0.0	1500	393	0	43	0.46	0	65.6	62.7	43.9	43.5	43.5
9-10 AM	440	0.0	48	0.0	1500	440	0	48	0.47	0	65.6	62.7	43.7	43.4	43.4
10-11 AM	524	0.0	57	0.0	1500	524	0	57	0.47	0	65.4	62.5	43.4	43.2	43.2
11A-NOON	525	0.0	57	0.0	1500	525	0	57	0.47	0	65.4	62.5	43.4	43.2	43.2
NOON-1PM	478	0.0	52	0.0	1500	478	0	52	0.47	0	65.5	62.5	43.6	43.3	43.3
1-2 PM	475	0.0	52	0.0	1500	475	0	52	0.47	0	65.5	62.5	43.6	43.3	43.3
2-3 PM	457	0.0	50	0.0	1500	457	0	50	0.47	0	65.5	62.6	43.7	43.3	43.3
3-4 PM	451	0.0	49	0.0	1500	451	0	49	0.47	0	65.5	62.6	43.7	43.3	43.3
4-5 PM	411	0.0	45	0.0	1500	411	0	45	0.46	0	65.6	62.7	43.8	43.4	43.4
5-6 PM	329	0.0	36	0.0	1500	329	0	36	0.45	0	65.8	62.9	44.2	43.5	43.5
6-7 PM	236	0.0	26	0.0	1500	236	0	26	0.45	0	66.0	63.1	44.5	43.7	43.7
7-8 PM	223	0.0	24	0.0	1500	223	0	24	0.44	0	66.0	63.2	44.6	43.7	43.7
8-9 PM	162	0.0	18	0.0	1500	162	0	18	0.44	0	66.1	63.3	44.8	43.8	43.8
9-10 PM	129	0.0	14	0.0	1500	129	0	14	0.43	0	66.1	63.3	45.0	43.9	43.9
10-11 PM	85	0.0	9	0.0	1500	85	0	9	0.43	0	66.2	63.5	45.1	44.0	44.0
11PM-MID	49	0.0	5	0.0	1500	49	0	5	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	0.0104
MAIN ROUTE WITH WORKS	0.0100
DIVERSION	0.0030

PIA: Personal Injury Accidents

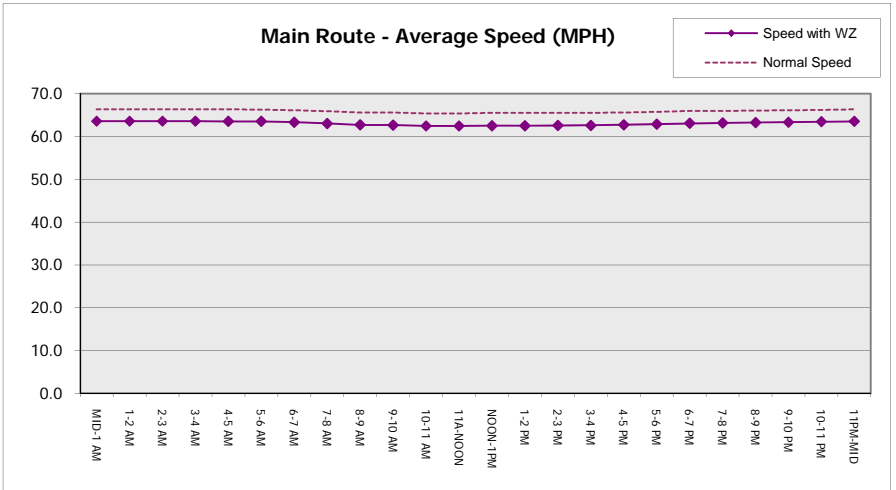
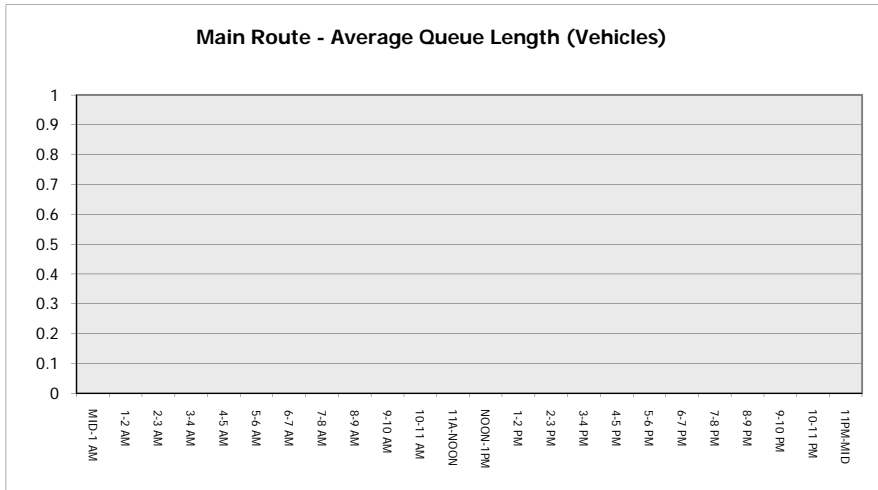
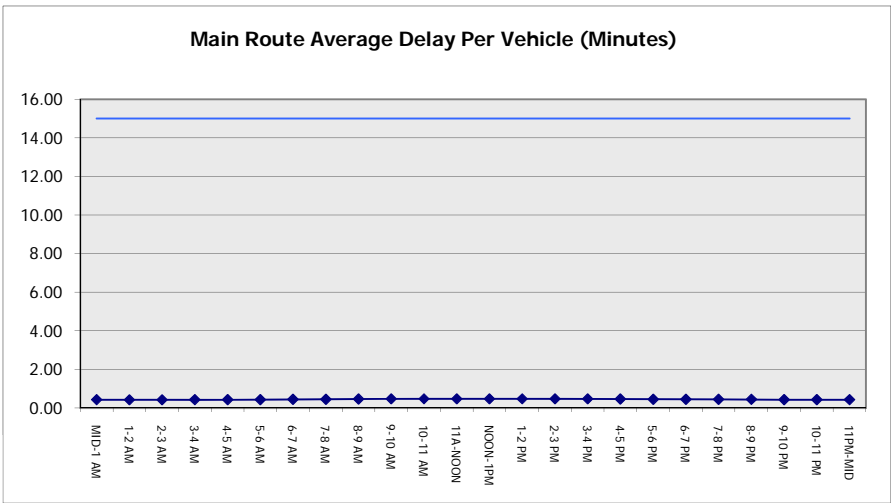
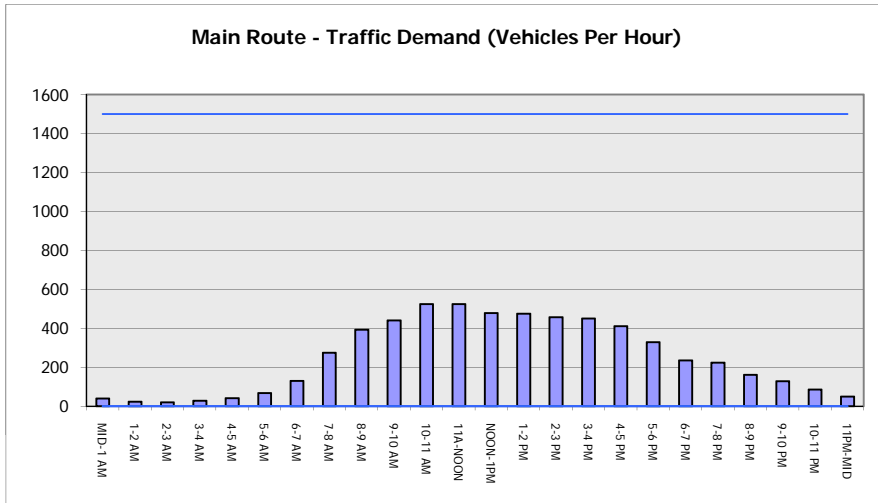
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$693
CONGESTED HOURS PER DAY*	0

*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
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	OCTOBER
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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	72	0.0	8	0.0	1500	72	0	8	0.43	0	66.3	63.5	45.2	44.0	44.0
1-2 AM	48	0.0	5	0.0	1500	48	0	5	0.43	0	66.3	63.5	45.3	44.0	44.0
2-3 AM	39	0.0	4	0.0	1500	39	0	4	0.43	0	66.3	63.6	45.3	44.0	44.0
3-4 AM	43	0.0	5	0.0	1500	43	0	5	0.43	0	66.3	63.5	45.3	44.0	44.0
4-5 AM	44	0.0	5	0.0	1500	44	0	5	0.43	0	66.3	63.5	45.3	44.0	44.0
5-6 AM	71	0.0	8	0.0	1500	71	0	8	0.43	0	66.3	63.5	45.2	44.0	44.0
6-7 AM	125	0.0	14	0.0	1500	125	0	14	0.43	0	66.1	63.3	45.0	43.9	43.9
7-8 AM	245	0.0	27	0.0	1500	245	0	27	0.45	0	66.0	63.1	44.5	43.7	43.7
8-9 AM	364	0.0	40	0.0	1500	364	0	40	0.46	0	65.7	62.8	44.0	43.5	43.5
9-10 AM	482	0.0	53	0.0	1500	482	0	53	0.47	0	65.5	62.5	43.6	43.3	43.3
10-11 AM	562	0.0	61	0.0	1500	562	0	61	0.48	0	65.3	62.3	43.3	43.2	43.2
11A-NOON	524	0.0	57	0.0	1500	524	0	57	0.47	0	65.4	62.5	43.4	43.2	43.2
NOON-1PM	470	0.0	51	0.0	1500	470	0	51	0.47	0	65.5	62.6	43.6	43.3	43.3
1-2 PM	427	0.0	47	0.0	1500	427	0	47	0.46	0	65.6	62.7	43.8	43.4	43.4
2-3 PM	397	0.0	43	0.0	1500	397	0	43	0.46	0	65.6	62.7	43.9	43.5	43.5
3-4 PM	391	0.0	43	0.0	1500	391	0	43	0.46	0	65.6	62.8	43.9	43.5	43.5
4-5 PM	391	0.0	43	0.0	1500	391	0	43	0.46	0	65.6	62.8	43.9	43.5	43.5
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	300	0.0	33	0.0	1500	300	0	33	0.45	0	65.8	63.0	44.3	43.6	43.6
7-8 PM	232	0.0	25	0.0	1500	232	0	25	0.45	0	66.0	63.1	44.5	43.7	43.7
8-9 PM	207	0.0	23	0.0	1500	207	0	23	0.44	0	66.0	63.2	44.6	43.8	43.8
9-10 PM	147	0.0	16	0.0	1500	147	0	16	0.44	0	66.1	63.3	44.9	43.8	43.8
10-11 PM	110	0.0	12	0.0	1500	110	0	12	0.43	0	66.2	63.4	45.0	43.9	43.9
11PM-MID	145	0.0	16	0.0	1500	145	0	16	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	0.0108
MAIN ROUTE WITH WORKS	0.0103
DIVERSION	0.0032

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$715
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

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY NORTHBOUND DIRECTION

