

<b>IH 39: STH 21 TO CTH J (WAUSHARA AND MARQUETTE COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: CTH J - CTH CH - STH 21</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	27	0.0	3	0.0	1500	27	0	3	0.43	0	66.3	63.6	45.4	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	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	49	0.0	5	0.0	1500	49	0	5	0.43	0	66.3	63.5	45.3	44.0	44.0
4-5 AM	90	0.0	10	0.0	1500	90	0	10	0.43	0	66.2	63.5	45.1	44.0	44.0
5-6 AM	138	0.0	15	0.0	1500	138	0	15	0.44	0	66.1	63.3	45.0	43.8	43.8
6-7 AM	197	0.0	22	0.0	1500	197	0	22	0.44	0	66.0	63.2	44.7	43.8	43.8
7-8 AM	256	0.0	28	0.0	1500	256	0	28	0.45	0	65.9	63.1	44.5	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	329	0.0	36	0.0	1500	329	0	36	0.45	0	65.8	62.9	44.2	43.5	43.5
10-11 AM	356	0.0	39	0.0	1500	356	0	39	0.46	0	65.7	62.8	44.1	43.5	43.5
11A-NOON	383	0.0	42	0.0	1500	383	0	42	0.46	0	65.6	62.8	44.0	43.5	43.5
NOON-1PM	414	0.0	45	0.0	1500	414	0	45	0.46	0	65.6	62.7	43.8	43.4	43.4
1-2 PM	413	0.0	45	0.0	1500	413	0	45	0.46	0	65.6	62.7	43.8	43.4	43.4
2-3 PM	429	0.0	47	0.0	1500	429	0	47	0.46	0	65.6	62.7	43.8	43.4	43.4
3-4 PM	419	0.0	46	0.0	1500	419	0	46	0.46	0	65.6	62.7	43.8	43.4	43.4
4-5 PM	403	0.0	44	0.0	1500	403	0	44	0.46	0	65.6	62.7	43.9	43.5	43.5
5-6 PM	317	0.0	35	0.0	1500	317	0	35	0.45	0	65.8	62.9	44.2	43.6	43.6
6-7 PM	238	0.0	26	0.0	1500	238	0	26	0.45	0	66.0	63.1	44.5	43.7	43.7
7-8 PM	179	0.0	20	0.0	1500	179	0	20	0.44	0	66.1	63.2	44.8	43.8	43.8
8-9 PM	146	0.0	16	0.0	1500	146	0	16	0.44	0	66.1	63.3	44.9	43.8	43.8
9-10 PM	117	0.0	13	0.0	1500	117	0	13	0.43	0	66.1	63.4	45.0	43.9	43.9
10-11 PM	69	0.0	8	0.0	1500	69	0	8	0.43	0	66.3	63.5	45.2	44.0	44.0
11PM-MID	40	0.0	4	0.0	1500	40	0	4	0.43	0	66.3	63.6	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	0.0093
MAIN ROUTE WITH WORKS	0.0089
DIVERSION	0.0027

PIA: Personal Injury Accidents

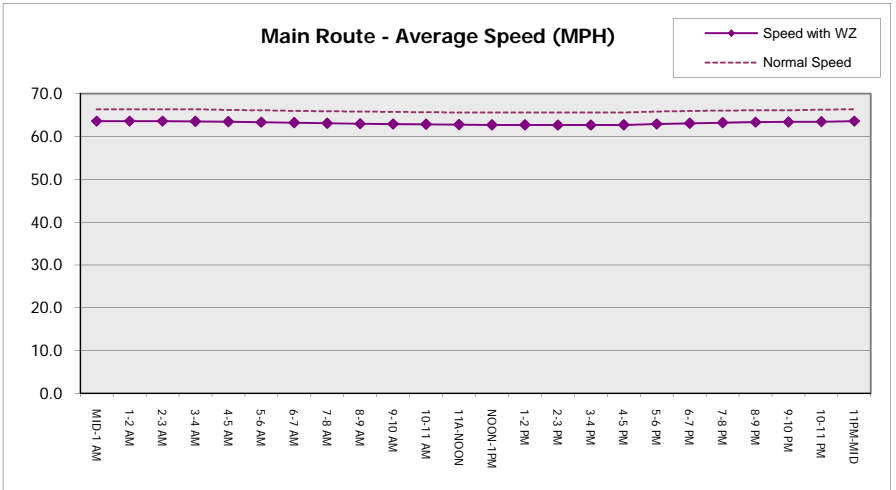
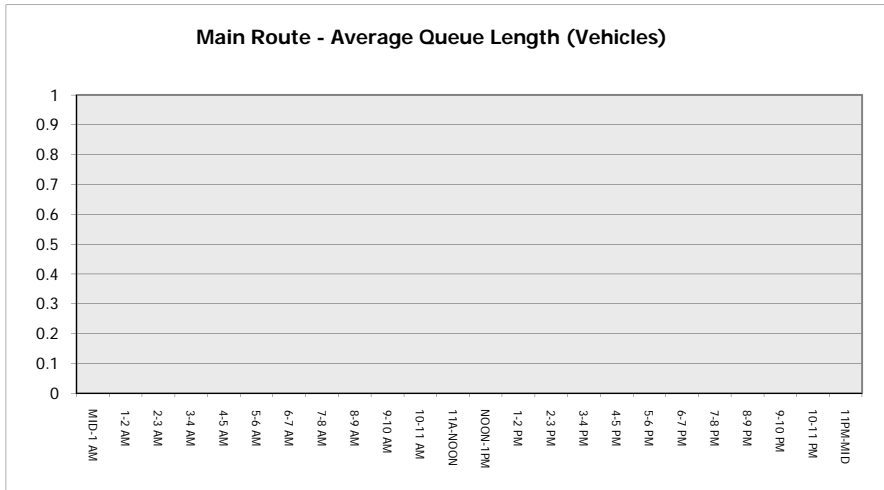
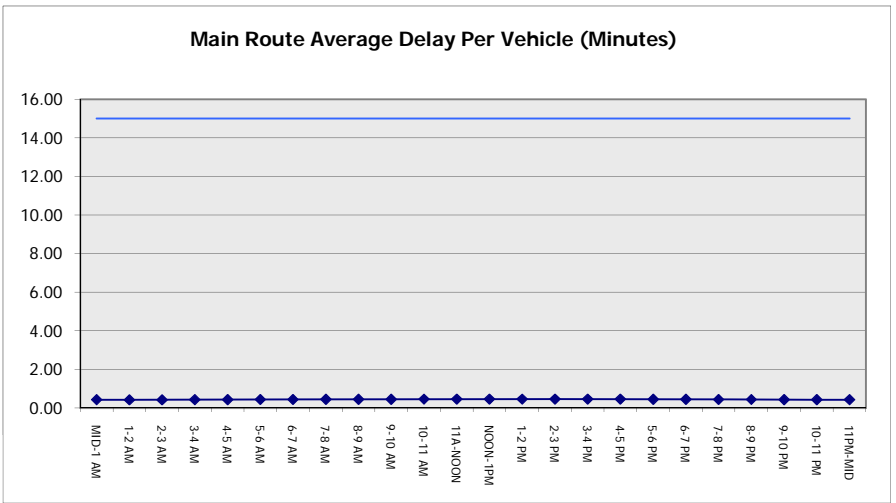
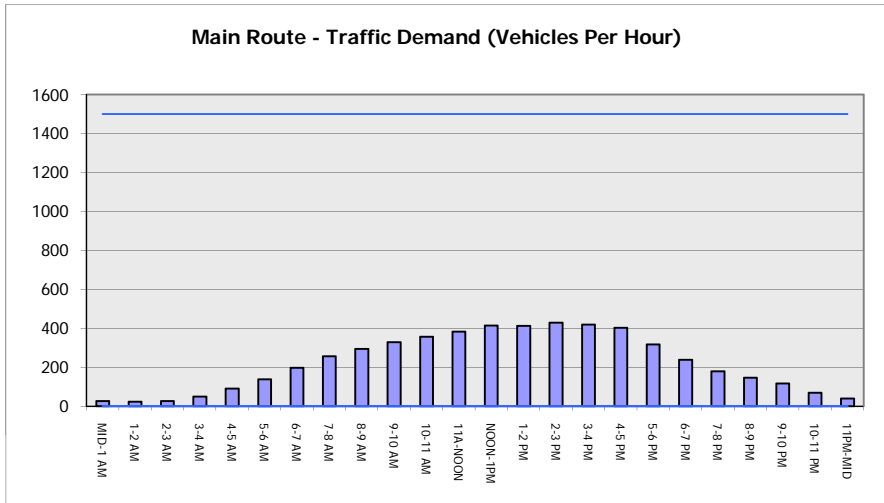
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$484
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: CTH J - CTH CH - STH 21**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR SOUTHBOUND DIRECTION**



<b>IH 39: STH 21 TO CTH J (WAUSHARA AND MARQUETTE COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: CTH J - CTH CH - STH 21</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	47	0.0	5	0.0	1500	47	0	5	0.43	0	66.3	63.5	45.3	44.0	44.0
1-2 AM	28	0.0	3	0.0	1500	28	0	3	0.43	0	66.3	63.6	45.4	44.0	44.0
2-3 AM	29	0.0	3	0.0	1500	29	0	3	0.43	0	66.3	63.6	45.4	44.0	44.0
3-4 AM	37	0.0	4	0.0	1500	37	0	4	0.43	0	66.3	63.6	45.3	44.0	44.0
4-5 AM	48	0.0	5	0.0	1500	48	0	5	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	152	0.0	17	0.0	1500	152	0	17	0.44	0	66.1	63.3	44.9	43.8	43.8
7-8 AM	240	0.0	26	0.0	1500	240	0	26	0.45	0	66.0	63.1	44.5	43.7	43.7
8-9 AM	286	0.0	31	0.0	1500	286	0	31	0.45	0	65.8	63.0	44.3	43.7	43.7
9-10 AM	333	0.0	36	0.0	1500	333	0	36	0.45	0	65.8	62.9	44.2	43.5	43.5
10-11 AM	341	0.0	37	0.0	1500	341	0	37	0.46	0	65.8	62.8	44.2	43.5	43.5
11A-NOON	332	0.0	36	0.0	1500	332	0	36	0.45	0	65.8	62.9	44.2	43.5	43.5
NOON-1PM	342	0.0	37	0.0	1500	342	0	37	0.46	0	65.8	62.8	44.1	43.5	43.5
1-2 PM	359	0.0	39	0.0	1500	359	0	39	0.46	0	65.7	62.8	44.0	43.5	43.5
2-3 PM	369	0.0	40	0.0	1500	369	0	40	0.46	0	65.7	62.8	44.0	43.5	43.5
3-4 PM	375	0.0	41	0.0	1500	375	0	41	0.46	0	65.7	62.8	44.0	43.5	43.5
4-5 PM	407	0.0	44	0.0	1500	407	0	44	0.46	0	65.6	62.7	43.8	43.5	43.5
5-6 PM	349	0.0	38	0.0	1500	349	0	38	0.46	0	65.8	62.8	44.1	43.5	43.5
6-7 PM	289	0.0	31	0.0	1500	289	0	31	0.45	0	65.8	63.0	44.3	43.7	43.7
7-8 PM	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 PM	172	0.0	18	0.0	1500	172	0	18	0.44	0	66.1	63.3	44.8	43.8	43.8
9-10 PM	146	0.0	16	0.0	1500	146	0	16	0.44	0	66.1	63.3	44.9	43.8	43.8
10-11 PM	108	0.0	12	0.0	1500	108	0	12	0.43	0	66.2	63.4	45.1	43.9	43.9
11PM-MID	64	0.0	7	0.0	1500	64	0	7	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	0.0090
MAIN ROUTE WITH WORKS	0.0086
DIVERSION	0.0026

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$467
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**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR NORTHBOUND DIRECTION**

