

<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**

**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	32	0.0	4	0.0	1500	32	0	4	0.43	0	66.3	63.6	45.4	44.0	44.0
1-2 AM	18	0.0	2	0.0	1500	18	0	2	0.42	0	66.3	63.6	45.5	44.1	44.1
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	15	0.0	2	0.0	1500	15	0	2	0.42	0	66.4	63.6	45.5	44.1	44.1
4-5 AM	24	0.0	3	0.0	1500	24	0	3	0.42	0	66.3	63.6	45.4	44.0	44.0
5-6 AM	44	0.0	5	0.0	1500	44	0	5	0.43	0	66.3	63.5	45.3	44.0	44.0
6-7 AM	71	0.0	8	0.0	1500	71	0	8	0.43	0	66.3	63.5	45.2	44.0	44.0
7-8 AM	144	0.0	16	0.0	1500	144	0	16	0.44	0	66.1	63.3	44.9	43.8	43.8
8-9 AM	280	0.0	31	0.0	1500	280	0	31	0.45	0	65.9	63.0	44.3	43.7	43.7
9-10 AM	465	0.0	51	0.0	1500	465	0	51	0.47	0	65.5	62.6	43.7	43.3	43.3
10-11 AM	686	0.0	75	0.0	1500	686	0	75	0.49	0	65.1	62.1	42.8	43.0	43.0
11A-NOON	885	0.0	97	0.0	1500	885	0	97	0.51	0	64.7	61.7	42.1	42.7	42.7
NOON-1PM	1009	0.0	110	0.0	1500	1009	0	110	0.52	0	64.5	61.4	41.7	42.5	42.5
1-2 PM	1105	0.0	121	0.0	1500	1105	0	121	0.53	0	64.3	61.2	41.3	42.3	42.3
2-3 PM	1101	0.0	120	0.0	1500	1101	0	120	0.53	0	64.3	61.2	41.4	42.3	42.3
3-4 PM	1064	0.0	116	0.0	1500	1064	0	116	0.53	0	64.4	61.2	41.5	42.4	42.4
4-5 PM	997	0.0	109	0.0	1500	997	0	109	0.52	0	64.5	61.4	41.7	42.5	42.5
5-6 PM	680	0.0	74	0.0	1500	680	0	74	0.49	0	65.1	62.1	42.8	43.0	43.0
6-7 PM	797	0.0	87	0.0	1500	797	0	87	0.50	0	64.9	61.9	42.4	42.8	42.8
7-8 PM	515	0.0	56	0.0	1500	515	0	56	0.47	0	65.5	62.5	43.5	43.3	43.3
8-9 PM	305	0.0	33	0.0	1500	305	0	33	0.45	0	65.8	63.0	44.3	43.6	43.6
9-10 PM	176	0.0	19	0.0	1500	176	0	19	0.44	0	66.1	63.2	44.8	43.8	43.8
10-11 PM	88	0.0	10	0.0	1500	88	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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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		0.0183
MAIN ROUTE WITH WORKS		0.0176
DIVERSION		0.0054

PIA: Personal Injury Accidents

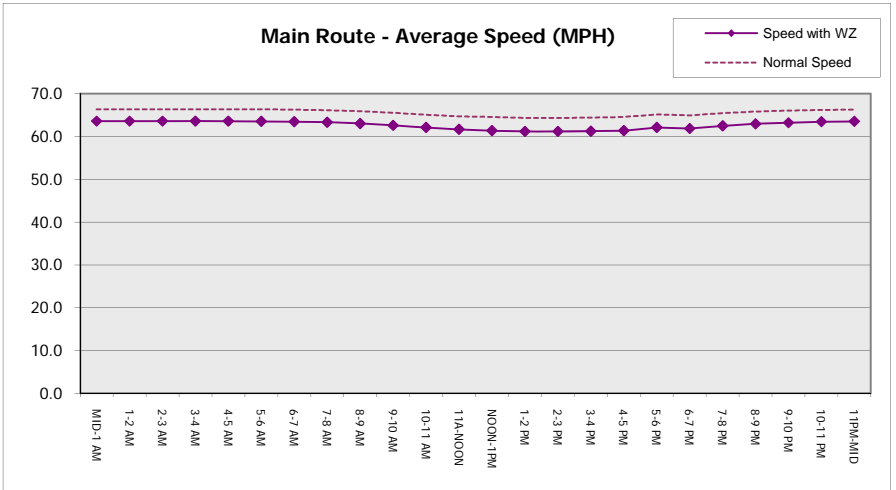
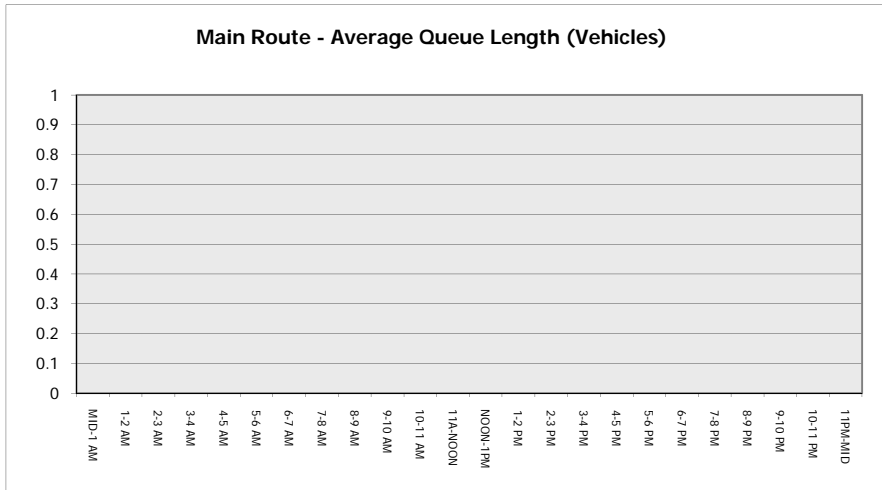
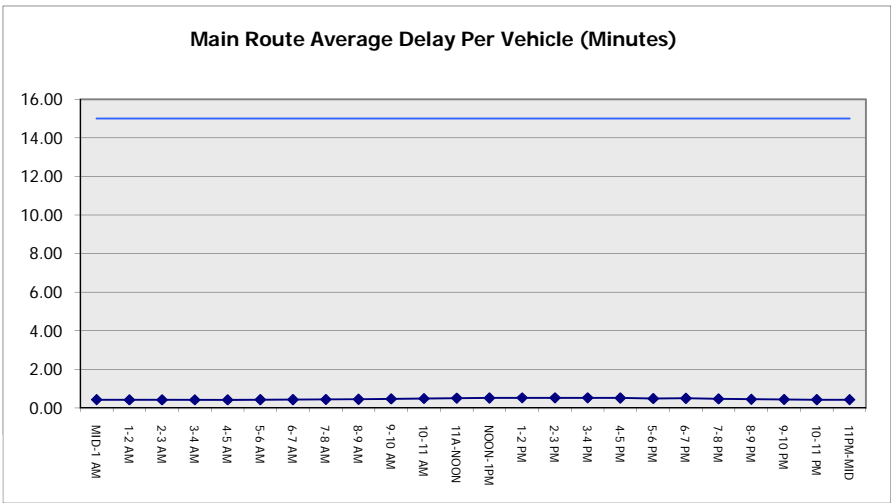
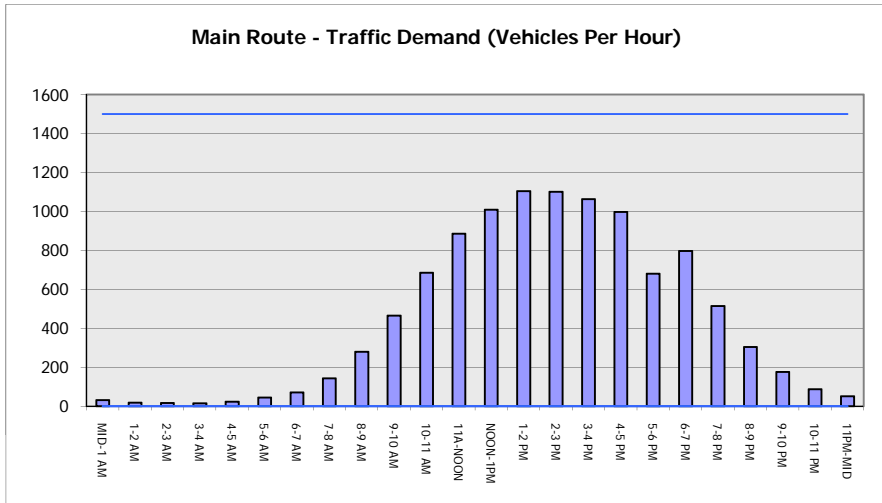
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,373
CONGESTED HOURS PER DAY*	0

\*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**  
**SUNDAY 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**

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	122	0.0	13	0.0	1500	122	0	13	0.43	0	66.1	63.3	45.0	43.9	43.9
1-2 AM	53	0.0	6	0.0	1500	53	0	6	0.43	0	66.3	63.5	45.3	44.0	44.0
2-3 AM	21	0.0	2	0.0	1500	21	0	2	0.42	0	66.3	63.6	45.4	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	14	0.0	1	0.0	1500	14	0	1	0.42	0	66.4	63.6	45.5	44.1	44.1
5-6 AM	20	0.0	2	0.0	1500	20	0	2	0.42	0	66.3	63.6	45.4	44.1	44.1
6-7 AM	46	0.0	5	0.0	1500	46	0	5	0.43	0	66.3	63.5	45.3	44.0	44.0
7-8 AM	93	0.0	10	0.0	1500	93	0	10	0.43	0	66.2	63.5	45.1	44.0	44.0
8-9 AM	164	0.0	18	0.0	1500	164	0	18	0.44	0	66.1	63.3	44.8	43.8	43.8
9-10 AM	282	0.0	31	0.0	1500	282	0	31	0.45	0	65.9	63.0	44.3	43.7	43.7
10-11 AM	409	0.0	45	0.0	1500	409	0	45	0.46	0	65.6	62.7	43.8	43.4	43.4
11A-NOON	505	0.0	55	0.0	1500	505	0	55	0.47	0	65.5	62.5	43.5	43.3	43.3
NOON-1PM	497	0.0	54	0.0	1500	497	0	54	0.47	0	65.5	62.5	43.5	43.3	43.3
1-2 PM	472	0.0	52	0.0	1500	472	0	52	0.47	0	65.5	62.6	43.6	43.3	43.3
2-3 PM	509	0.0	56	0.0	1500	509	0	56	0.47	0	65.5	62.5	43.5	43.3	43.3
3-4 PM	511	0.0	56	0.0	1500	511	0	56	0.47	0	65.5	62.5	43.5	43.3	43.3
4-5 PM	522	0.0	57	0.0	1500	522	0	57	0.47	0	65.4	62.5	43.4	43.2	43.2
5-6 PM	471	0.0	51	0.0	1500	471	0	51	0.47	0	65.5	62.6	43.6	43.3	43.3
6-7 PM	418	0.0	46	0.0	1500	418	0	46	0.46	0	65.6	62.7	43.8	43.4	43.4
7-8 PM	335	0.0	37	0.0	1500	335	0	37	0.45	0	65.8	62.9	44.2	43.5	43.5
8-9 PM	265	0.0	29	0.0	1500	265	0	29	0.45	0	65.9	63.0	44.4	43.7	43.7
9-10 PM	162	0.0	18	0.0	1500	162	0	18	0.44	0	66.1	63.3	44.8	43.8	43.8
10-11 PM	96	0.0	10	0.0	1500	96	0	10	0.43	0	66.2	63.4	45.1	44.0	44.0
11PM-MID	66	0.0	7	0.0	1500	66	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	0.0105
MAIN ROUTE WITH WORKS	0.0101
DIVERSION	0.0031

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$722
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**  
**SUNDAY NORTHBOUND DIRECTION**

