

<b>STH 29: CTH H TO STH 73 (CHIPPEWA AND CLARK COUNTIES)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</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		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	54	0.0	1500	54	0	0.50	0	63.8	59.1	41.8
1-2 AM	48	0.0	1500	48	0	0.50	0	63.8	59.1	41.9
2-3 AM	45	0.0	1500	45	0	0.50	0	63.8	59.1	41.9
3-4 AM	59	0.0	1500	59	0	0.50	0	63.8	59.1	41.8
4-5 AM	91	0.0	1500	91	0	0.51	0	63.7	59.0	41.7
5-6 AM	179	0.0	1500	179	0	0.52	0	63.6	58.7	41.4
6-7 AM	268	0.0	1500	268	0	0.52	0	63.4	58.6	41.0
7-8 AM	317	0.0	1500	317	0	0.53	0	63.3	58.4	40.9
8-9 AM	345	0.0	1500	345	0	0.53	0	63.3	58.4	40.8
9-10 AM	377	0.0	1500	377	0	0.53	0	63.2	58.3	40.7
10-11 AM	398	0.0	1500	398	0	0.54	0	63.2	58.2	40.6
11AM-NOON	429	0.0	1500	429	0	0.54	0	63.1	58.2	40.6
NOON-1PM	435	0.0	1500	435	0	0.54	0	63.1	58.2	40.5
1-2 PM	463	0.0	1500	463	0	0.54	0	63.0	58.1	40.4
2-3 PM	465	0.0	1500	465	0	0.54	0	63.0	58.1	40.4
3-4 PM	474	0.0	1500	474	0	0.54	0	63.0	58.1	40.4
4-5 PM	489	0.0	1500	489	0	0.55	0	63.0	58.0	40.3
5-6 PM	421	0.0	1500	421	0	0.54	0	63.1	58.2	40.6
6-7 PM	312	0.0	1500	312	0	0.53	0	63.3	58.4	40.9
7-8 PM	235	0.0	1500	235	0	0.52	0	63.5	58.6	41.2
8-9 PM	187	0.0	1500	187	0	0.52	0	63.5	58.7	41.4
9-10 PM	148	0.0	1500	148	0	0.51	0	63.7	58.9	41.5
10-11 PM	102	0.0	1500	102	0	0.51	0	63.7	58.9	41.7
11PM-MID	67	0.0	1500	67	0	0.51	0	63.8	59.1	41.8

**\*----- SITE BREAKDOWN DELAYS -----\***

BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

**\*----- SITE ACCIDENT DELAYS -----\***

BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	#VALUE!

**AVERAGE ACCIDENT NUMBERS (PIA/DAY)**

MAIN ROUTE WITHOUT WORKS	0.0071
MAIN ROUTE WITH WORKS	0.0078
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

**IMPACTS ON ROAD USERS**

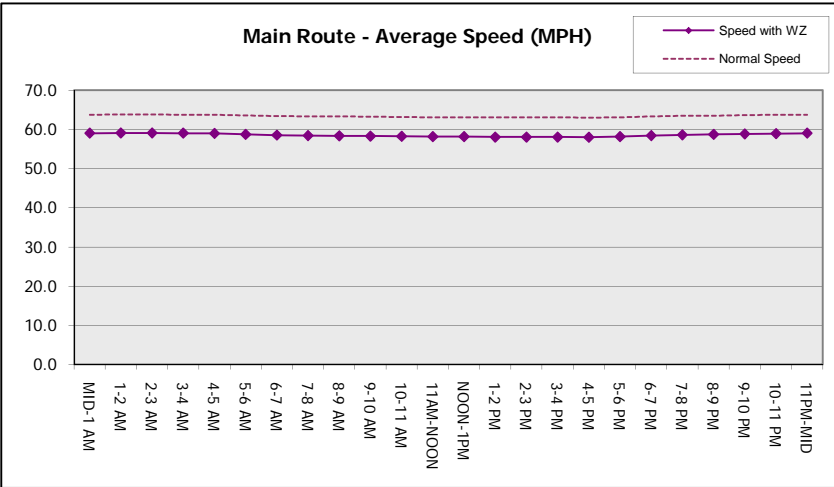
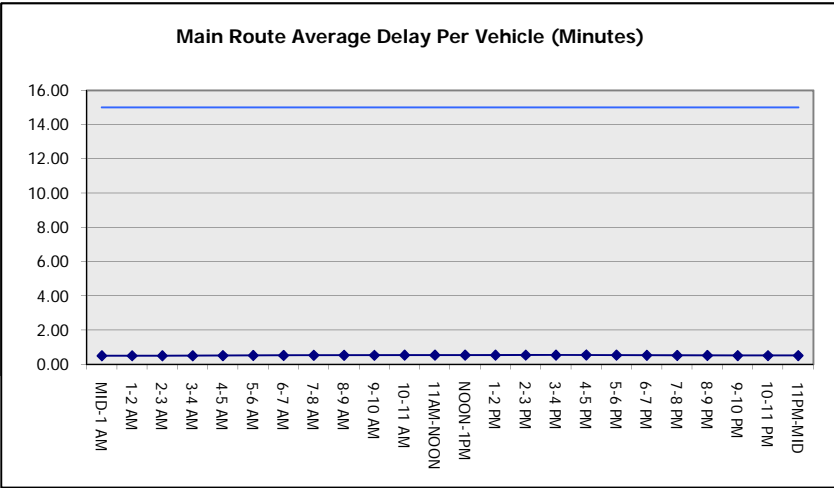
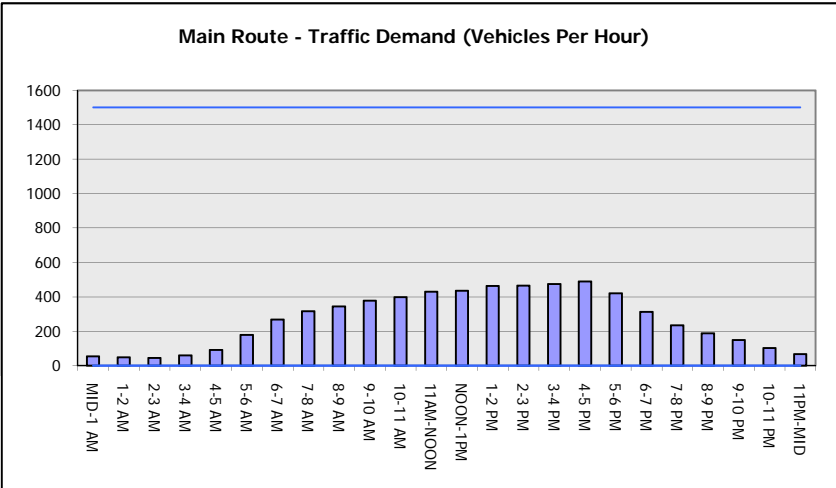
ROAD USER COSTS PER DAY	\$694
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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



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**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH		
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	57	0.0	1500	57	0	0.50	0	63.8	59.1	41.8
1-2 AM	41	0.0	1500	41	0	0.50	0	63.8	59.1	41.9
2-3 AM	36	0.0	1500	36	0	0.50	0	63.8	59.1	41.9
3-4 AM	51	0.0	1500	51	0	0.50	0	63.8	59.1	41.8
4-5 AM	79	0.0	1500	79	0	0.51	0	63.8	59.0	41.7
5-6 AM	161	0.0	1500	161	0	0.51	0	63.6	58.8	41.4
6-7 AM	247	0.0	1500	247	0	0.52	0	63.5	58.6	41.1
7-8 AM	335	0.0	1500	335	0	0.53	0	63.3	58.4	40.9
8-9 AM	352	0.0	1500	352	0	0.53	0	63.2	58.4	40.8
9-10 AM	381	0.0	1500	381	0	0.53	0	63.2	58.3	40.7
10-11 AM	405	0.0	1500	405	0	0.54	0	63.2	58.2	40.6
11AM-NOON	436	0.0	1500	436	0	0.54	0	63.1	58.1	40.5
NOON-1PM	441	0.0	1500	441	0	0.54	0	63.1	58.1	40.5
1-2 PM	445	0.0	1500	445	0	0.54	0	63.1	58.1	40.5
2-3 PM	490	0.0	1500	490	0	0.55	0	63.0	58.0	40.3
3-4 PM	499	0.0	1500	499	0	0.55	0	63.0	58.0	40.3
4-5 PM	502	0.0	1500	502	0	0.55	0	63.0	58.0	40.3
5-6 PM	457	0.0	1500	457	0	0.54	0	63.0	58.1	40.4
6-7 PM	355	0.0	1500	355	0	0.53	0	63.2	58.4	40.8
7-8 PM	297	0.0	1500	297	0	0.53	0	63.3	58.5	41.0
8-9 PM	258	0.0	1500	258	0	0.52	0	63.4	58.6	41.1
9-10 PM	193	0.0	1500	193	0	0.52	0	63.5	58.7	41.3
10-11 PM	131	0.0	1500	131	0	0.51	0	63.7	58.9	41.5
11PM-MID	94	0.0	1500	94	0	0.51	0	63.7	59.0	41.7

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0074
MAIN ROUTE WITH WORKS	0.0082
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$733
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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