

STH 29: CTH H TO STH 73 (CHIPPEWA AND CLARK COUNTIES) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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		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	40	0.0	1500	40	0	0.50	0	63.8	59.1	41.9
1-2 AM	39	0.0	1500	39	0	0.50	0	63.8	59.1	41.9
2-3 AM	44	0.0	1500	44	0	0.50	0	63.8	59.1	41.9
3-4 AM	53	0.0	1500	53	0	0.50	0	63.8	59.1	41.8
4-5 AM	68	0.0	1500	68	0	0.51	0	63.8	59.1	41.7
5-6 AM	141	0.0	1500	141	0	0.51	0	63.7	58.9	41.5
6-7 AM	241	0.0	1500	241	0	0.52	0	63.5	58.6	41.2
7-8 AM	290	0.0	1500	290	0	0.53	0	63.3	58.5	41.0
8-9 AM	329	0.0	1500	329	0	0.53	0	63.3	58.4	40.9
9-10 AM	375	0.0	1500	375	0	0.53	0	63.2	58.3	40.7
10-11 AM	423	0.0	1500	423	0	0.54	0	63.1	58.2	40.6
11AM-NOON	486	0.0	1500	486	0	0.54	0	63.0	58.1	40.4
NOON-1PM	485	0.0	1500	485	0	0.54	0	63.0	58.1	40.4
1-2 PM	521	0.0	1500	521	0	0.55	0	62.9	57.9	40.2
2-3 PM	538	0.0	1500	538	0	0.55	0	62.9	57.9	40.2
3-4 PM	600	0.0	1500	600	0	0.56	0	62.8	57.8	40.0
4-5 PM	632	0.0	1500	632	0	0.56	0	62.7	57.7	39.9
5-6 PM	603	0.0	1500	603	0	0.56	0	62.8	57.8	39.9
6-7 PM	507	0.0	1500	507	0	0.55	0	63.0	58.0	40.2
7-8 PM	393	0.0	1500	393	0	0.54	0	63.2	58.2	40.7
8-9 PM	290	0.0	1500	290	0	0.53	0	63.3	58.5	41.0
9-10 PM	207	0.0	1500	207	0	0.52	0	63.5	58.7	41.3
10-11 PM	132	0.0	1500	132	0	0.51	0	63.7	58.9	41.5
11PM-MID	76	0.0	1500	76	0	0.51	0	63.8	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	0.0083
MAIN ROUTE WITH WORKS	0.0091
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

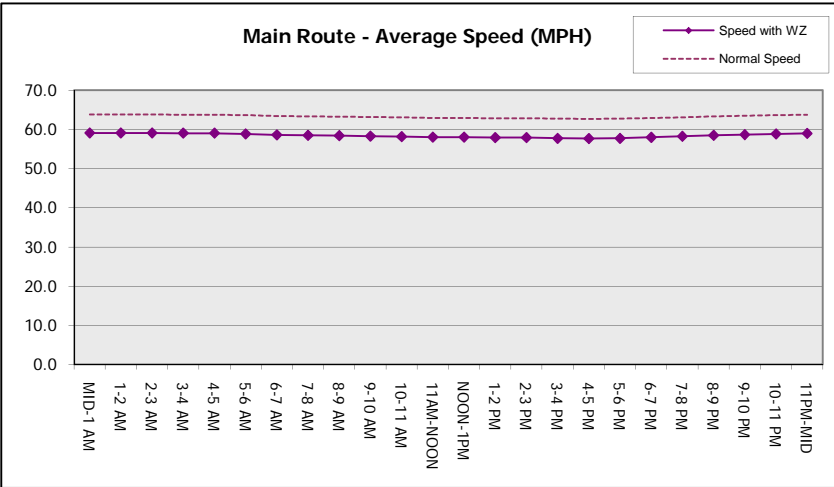
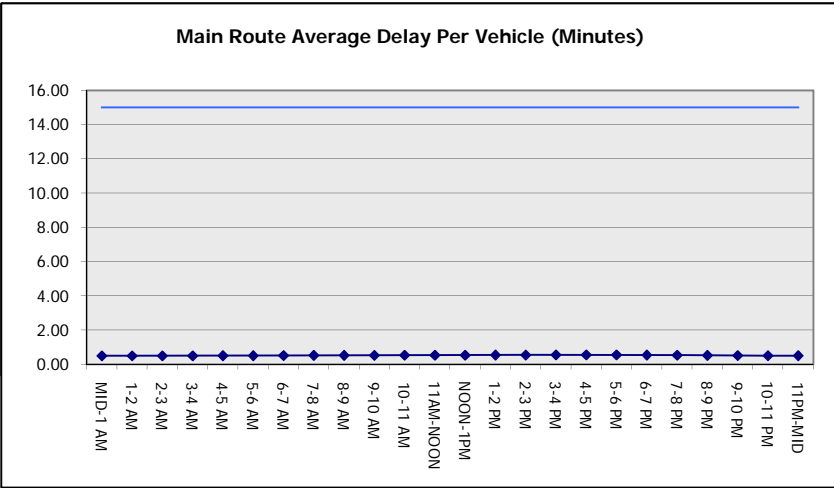
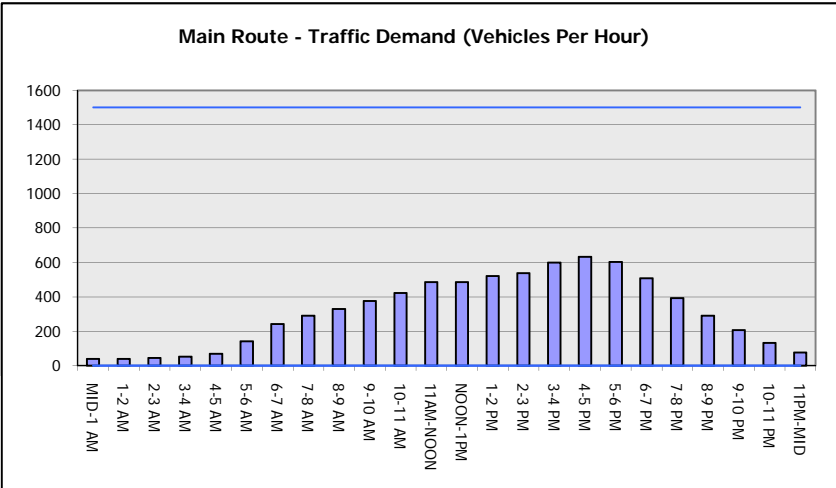
ROAD USER COSTS PER DAY	\$854
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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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 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	52	0.0	1500	52	0	0.50	0	63.8	59.1	41.8
1-2 AM	39	0.0	1500	39	0	0.50	0	63.8	59.1	41.9
2-3 AM	33	0.0	1500	33	0	0.50	0	63.8	59.1	41.9
3-4 AM	46	0.0	1500	46	0	0.50	0	63.8	59.1	41.9
4-5 AM	58	0.0	1500	58	0	0.50	0	63.8	59.1	41.8
5-6 AM	121	0.0	1500	121	0	0.51	0	63.7	58.9	41.5
6-7 AM	203	0.0	1500	203	0	0.52	0	63.5	58.7	41.3
7-8 AM	301	0.0	1500	301	0	0.53	0	63.3	58.5	40.9
8-9 AM	297	0.0	1500	297	0	0.53	0	63.3	58.5	41.0
9-10 AM	348	0.0	1500	348	0	0.53	0	63.3	58.4	40.8
10-11 AM	400	0.0	1500	400	0	0.54	0	63.2	58.2	40.6
11AM-NOON	471	0.0	1500	471	0	0.54	0	63.0	58.1	40.4
NOON-1PM	502	0.0	1500	502	0	0.55	0	63.0	58.0	40.3
1-2 PM	586	0.0	1500	586	0	0.55	0	62.8	57.8	40.0
2-3 PM	644	0.0	1500	644	0	0.56	0	62.7	57.7	39.8
3-4 PM	637	0.0	1500	637	0	0.56	0	62.7	57.7	39.9
4-5 PM	686	0.0	1500	686	0	0.56	0	62.6	57.6	39.7
5-6 PM	679	0.0	1500	679	0	0.56	0	62.7	57.6	39.7
6-7 PM	586	0.0	1500	586	0	0.55	0	62.8	57.8	40.0
7-8 PM	489	0.0	1500	489	0	0.55	0	63.0	58.0	40.3
8-9 PM	366	0.0	1500	366	0	0.53	0	63.2	58.3	40.7
9-10 PM	255	0.0	1500	255	0	0.52	0	63.4	58.6	41.1
10-11 PM	173	0.0	1500	173	0	0.52	0	63.6	58.8	41.4
11PM-MID	119	0.0	1500	119	0	0.51	0	63.7	58.9	41.6

----- 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	0.0089
MAIN ROUTE WITH WORKS	0.0098
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$924
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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