

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

SUNDAY 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	42	0.0	1500	42	0	0.50	0	63.8	59.1	41.9
1-2 AM	30	0.0	1500	30	0	0.50	0	63.8	59.1	41.9
2-3 AM	23	0.0	1500	23	0	0.50	0	63.8	59.1	41.9
3-4 AM	19	0.0	1500	19	0	0.50	0	63.8	59.2	41.9
4-5 AM	19	0.0	1500	19	0	0.50	0	63.8	59.2	41.9
5-6 AM	32	0.0	1500	32	0	0.50	0	63.8	59.1	41.9
6-7 AM	49	0.0	1500	49	0	0.50	0	63.8	59.1	41.9
7-8 AM	86	0.0	1500	86	0	0.51	0	63.7	59.0	41.7
8-9 AM	157	0.0	1500	157	0	0.51	0	63.6	58.8	41.4
9-10 AM	239	0.0	1500	239	0	0.52	0	63.5	58.6	41.2
10-11 AM	352	0.0	1500	352	0	0.53	0	63.2	58.4	40.8
11AM-NOON	431	0.0	1500	431	0	0.54	0	63.1	58.2	40.5
NOON-1PM	476	0.0	1500	476	0	0.54	0	63.0	58.1	40.4
1-2 PM	485	0.0	1500	485	0	0.54	0	63.0	58.1	40.4
2-3 PM	533	0.0	1500	533	0	0.55	0	62.9	57.9	40.2
3-4 PM	567	0.0	1500	567	0	0.55	0	62.8	57.8	40.1
4-5 PM	574	0.0	1500	574	0	0.55	0	62.8	57.8	40.1
5-6 PM	499	0.0	1500	499	0	0.55	0	63.0	58.0	40.3
6-7 PM	415	0.0	1500	415	0	0.54	0	63.2	58.2	40.6
7-8 PM	334	0.0	1500	334	0	0.53	0	63.3	58.4	40.9
8-9 PM	277	0.0	1500	277	0	0.53	0	63.4	58.6	41.0
9-10 PM	204	0.0	1500	204	0	0.52	0	63.5	58.7	41.3
10-11 PM	120	0.0	1500	120	0	0.51	0	63.7	58.9	41.6
11PM-MID	66	0.0	1500	66	0	0.50	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)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)

MAIN ROUTE WITHOUT WORKS	0.0067
MAIN ROUTE WITH WORKS	0.0073
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

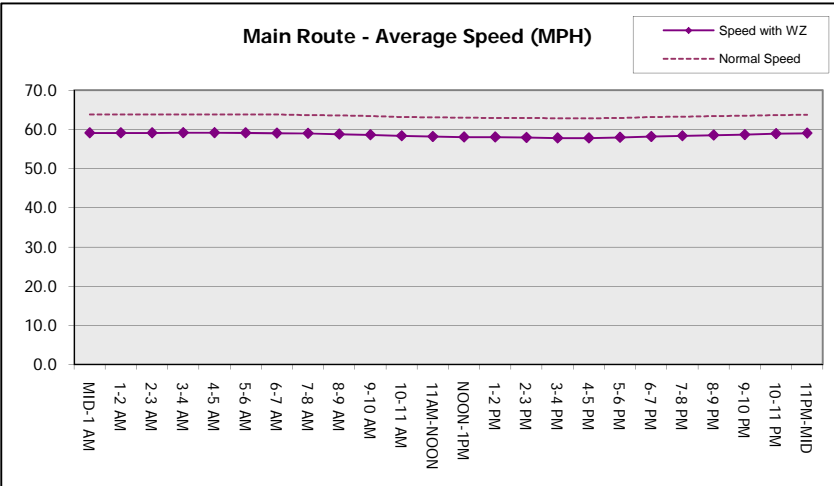
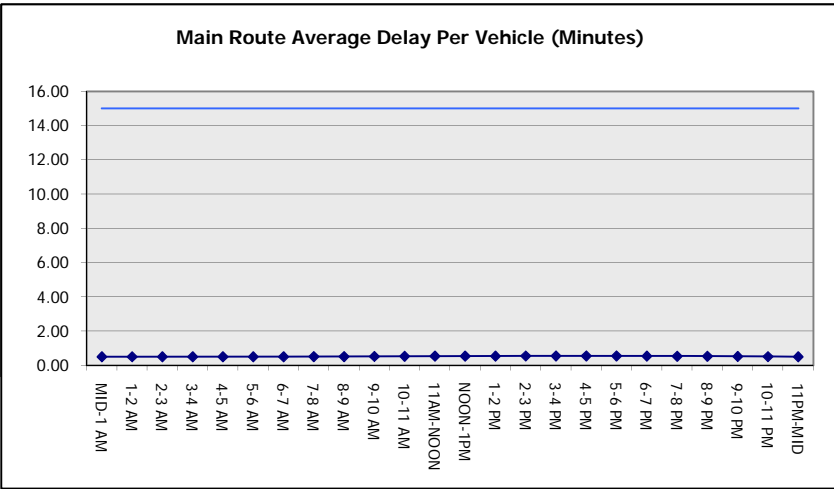
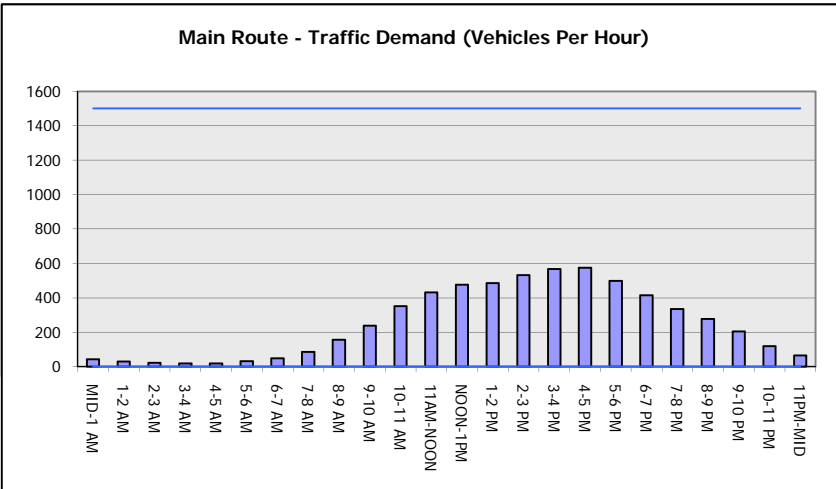
ROAD USER COSTS PER DAY	\$841
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	30	0.0	1500	30	0	0.50	0	63.8	59.1	41.9
2-3 AM	20	0.0	1500	20	0	0.50	0	63.8	59.2	41.9
3-4 AM	23	0.0	1500	23	0	0.50	0	63.8	59.1	41.9
4-5 AM	15	0.0	1500	15	0	0.50	0	63.9	59.2	41.9
5-6 AM	29	0.0	1500	29	0	0.50	0	63.8	59.1	41.9
6-7 AM	47	0.0	1500	47	0	0.50	0	63.8	59.1	41.9
7-8 AM	81	0.0	1500	81	0	0.51	0	63.8	59.0	41.7
8-9 AM	145	0.0	1500	145	0	0.51	0	63.7	58.9	41.5
9-10 AM	280	0.0	1500	280	0	0.53	0	63.4	58.5	41.0
10-11 AM	325	0.0	1500	325	0	0.53	0	63.3	58.4	40.9
11AM-NOON	383	0.0	1500	383	0	0.54	0	63.2	58.2	40.7
NOON-1PM	420	0.0	1500	420	0	0.54	0	63.1	58.2	40.6
1-2 PM	455	0.0	1500	455	0	0.54	0	63.0	58.1	40.4
2-3 PM	497	0.0	1500	497	0	0.55	0	63.0	58.0	40.3
3-4 PM	497	0.0	1500	497	0	0.55	0	63.0	58.0	40.3
4-5 PM	514	0.0	1500	514	0	0.55	0	63.0	57.9	40.2
5-6 PM	495	0.0	1500	495	0	0.55	0	63.0	58.0	40.3
6-7 PM	415	0.0	1500	415	0	0.54	0	63.2	58.2	40.6
7-8 PM	327	0.0	1500	327	0	0.53	0	63.3	58.4	40.9
8-9 PM	238	0.0	1500	238	0	0.52	0	63.5	58.6	41.2
9-10 PM	205	0.0	1500	205	0	0.52	0	63.5	58.7	41.3
10-11 PM	120	0.0	1500	120	0	0.51	0	63.7	58.9	41.6
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	0.0063
MAIN ROUTE WITH WORKS	0.0069
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$794
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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