

STH 29: CTH H TO STH 73 (CHIPPEWA AND CLARK COUNTIES) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	53	0.0	1500	53	0	0.50	0	63.8	59.1	41.8
1-2 AM	31	0.0	1500	31	0	0.50	0	63.8	59.1	41.9
2-3 AM	26	0.0	1500	26	0	0.50	0	63.8	59.1	41.9
3-4 AM	21	0.0	1500	21	0	0.50	0	63.8	59.2	41.9
4-5 AM	26	0.0	1500	26	0	0.50	0	63.8	59.1	41.9
5-6 AM	50	0.0	1500	50	0	0.50	0	63.8	59.1	41.8
6-7 AM	56	0.0	1500	56	0	0.50	0	63.8	59.1	41.8
7-8 AM	113	0.0	1500	113	0	0.51	0	63.7	58.9	41.6
8-9 AM	199	0.0	1500	199	0	0.52	0	63.5	58.7	41.3
9-10 AM	324	0.0	1500	324	0	0.53	0	63.3	58.4	40.9
10-11 AM	451	0.0	1500	451	0	0.54	0	63.0	58.1	40.4
11AM-NOON	581	0.0	1500	581	0	0.55	0	62.8	57.8	40.1
NOON-1PM	676	0.0	1500	676	0	0.56	0	62.7	57.6	39.7
1-2 PM	720	0.0	1500	720	0	0.57	0	62.5	57.5	39.6
2-3 PM	773	0.0	1500	773	0	0.57	0	62.5	57.4	39.4
3-4 PM	759	0.0	1500	759	0	0.57	0	62.5	57.4	39.4
4-5 PM	725	0.0	1500	725	0	0.57	0	62.5	57.4	39.6
5-6 PM	640	0.0	1500	640	0	0.56	0	62.7	57.7	39.9
6-7 PM	515	0.0	1500	515	0	0.55	0	63.0	57.9	40.2
7-8 PM	431	0.0	1500	431	0	0.54	0	63.1	58.2	40.5
8-9 PM	321	0.0	1500	321	0	0.53	0	63.3	58.4	40.9
9-10 PM	243	0.0	1500	243	0	0.52	0	63.5	58.6	41.2
10-11 PM	146	0.0	1500	146	0	0.51	0	63.7	58.9	41.5
11PM-MID	95	0.0	1500	95	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

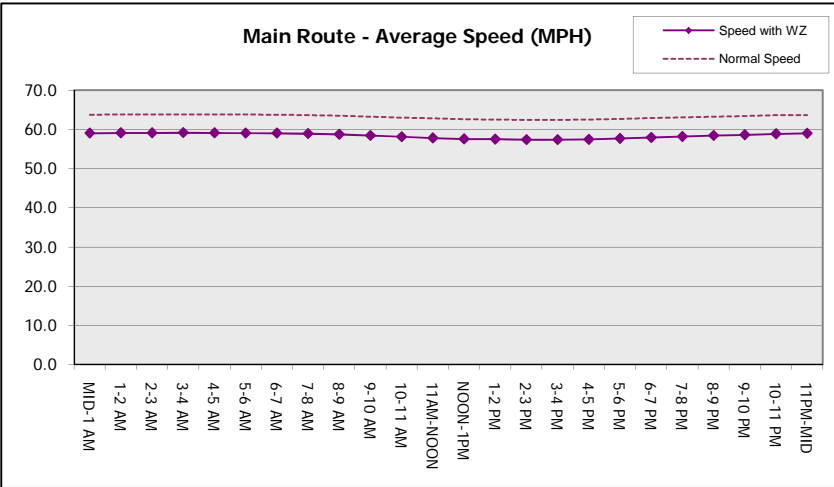
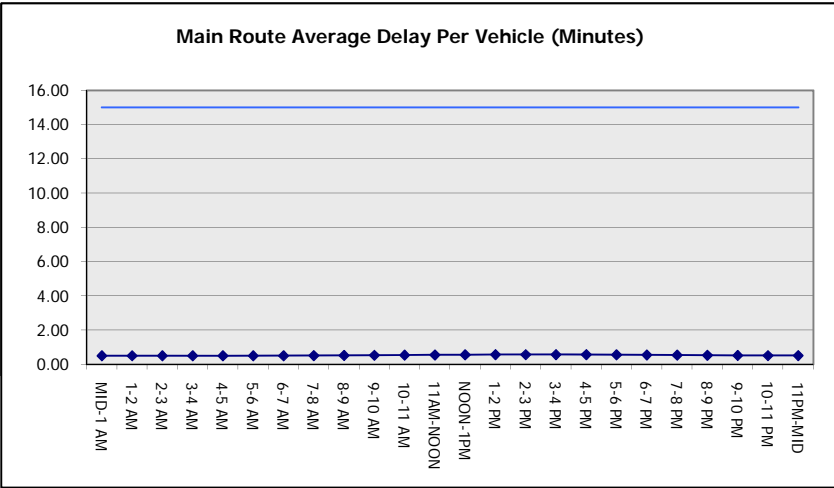
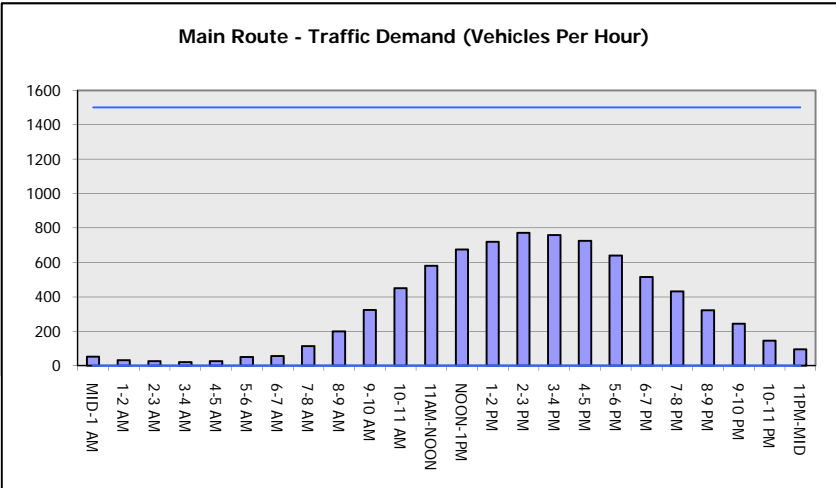
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0088
MAIN ROUTE WITH WORKS	0.0097
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,147
CONGESTED HOURS PER DAY*	0

*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	59	0.0	1500	59	0	0.50	0	63.8	59.1	41.8
1-2 AM	38	0.0	1500	38	0	0.50	0	63.8	59.1	41.9
2-3 AM	30	0.0	1500	30	0	0.50	0	63.8	59.1	41.9
3-4 AM	23	0.0	1500	23	0	0.50	0	63.8	59.1	41.9
4-5 AM	21	0.0	1500	21	0	0.50	0	63.8	59.2	41.9
5-6 AM	37	0.0	1500	37	0	0.50	0	63.8	59.1	41.9
6-7 AM	58	0.0	1500	58	0	0.50	0	63.8	59.1	41.8
7-8 AM	96	0.0	1500	96	0	0.51	0	63.7	59.0	41.7
8-9 AM	203	0.0	1500	203	0	0.52	0	63.5	58.7	41.3
9-10 AM	324	0.0	1500	324	0	0.53	0	63.3	58.4	40.9
10-11 AM	413	0.0	1500	413	0	0.54	0	63.2	58.2	40.6
11AM-NOON	513	0.0	1500	513	0	0.55	0	63.0	58.0	40.2
NOON-1PM	574	0.0	1500	574	0	0.55	0	62.8	57.8	40.1
1-2 PM	579	0.0	1500	579	0	0.55	0	62.8	57.8	40.1
2-3 PM	586	0.0	1500	586	0	0.55	0	62.8	57.8	40.0
3-4 PM	620	0.0	1500	620	0	0.56	0	62.7	57.7	39.9
4-5 PM	595	0.0	1500	595	0	0.56	0	62.8	57.8	40.0
5-6 PM	580	0.0	1500	580	0	0.55	0	62.8	57.8	40.1
6-7 PM	495	0.0	1500	495	0	0.55	0	63.0	58.0	40.3
7-8 PM	400	0.0	1500	400	0	0.54	0	63.2	58.2	40.6
8-9 PM	305	0.0	1500	305	0	0.53	0	63.3	58.5	40.9
9-10 PM	232	0.0	1500	232	0	0.52	0	63.5	58.6	41.2
10-11 PM	156	0.0	1500	156	0	0.51	0	63.6	58.8	41.4
11PM-MID	80	0.0	1500	80	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	0.0077
MAIN ROUTE WITH WORKS	0.0085
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$994
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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