

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

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	64	0.0	1500	64	0	0.50	0	63.8	59.1	41.8
1-2 AM	43	0.0	1500	43	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	89	0.0	1500	89	0	0.51	0	63.7	59.0	41.7
5-6 AM	154	0.0	1500	154	0	0.51	0	63.6	58.8	41.5
6-7 AM	252	0.0	1500	252	0	0.52	0	63.4	58.6	41.1
7-8 AM	283	0.0	1500	283	0	0.53	0	63.4	58.5	41.0
8-9 AM	353	0.0	1500	353	0	0.53	0	63.2	58.4	40.8
9-10 AM	444	0.0	1500	444	0	0.54	0	63.1	58.1	40.5
10-11 AM	529	0.0	1500	529	0	0.55	0	62.9	57.9	40.2
11AM-NOON	567	0.0	1500	567	0	0.55	0	62.8	57.8	40.1
NOON-1PM	594	0.0	1500	594	0	0.55	0	62.8	57.8	40.0
1-2 PM	634	0.0	1500	634	0	0.56	0	62.7	57.7	39.9
2-3 PM	679	0.0	1500	679	0	0.56	0	62.7	57.6	39.7
3-4 PM	687	0.0	1500	687	0	0.56	0	62.6	57.6	39.7
4-5 PM	683	0.0	1500	683	0	0.56	0	62.7	57.6	39.7
5-6 PM	618	0.0	1500	618	0	0.56	0	62.7	57.8	39.9
6-7 PM	492	0.0	1500	492	0	0.55	0	63.0	58.0	40.3
7-8 PM	407	0.0	1500	407	0	0.54	0	63.2	58.2	40.6
8-9 PM	308	0.0	1500	308	0	0.53	0	63.3	58.4	40.9
9-10 PM	195	0.0	1500	195	0	0.52	0	63.5	58.7	41.3
10-11 PM	149	0.0	1500	149	0	0.51	0	63.7	58.9	41.5
11PM-MID	92	0.0	1500	92	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	0.0093
MAIN ROUTE WITH WORKS	0.0102
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

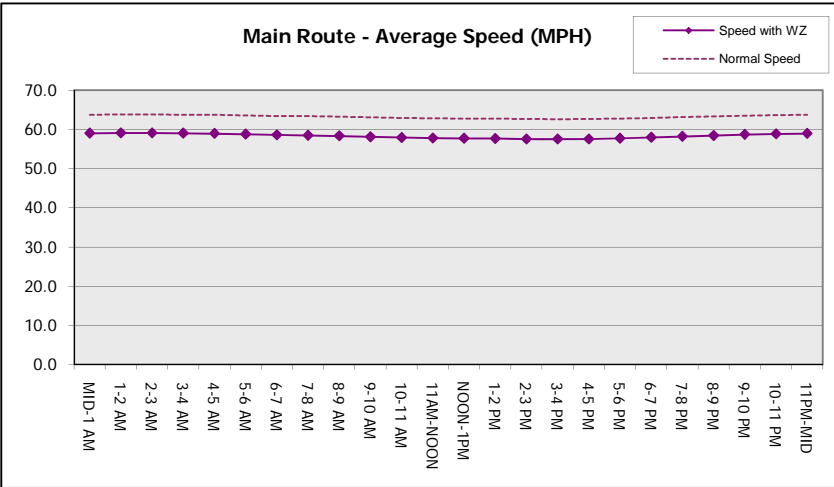
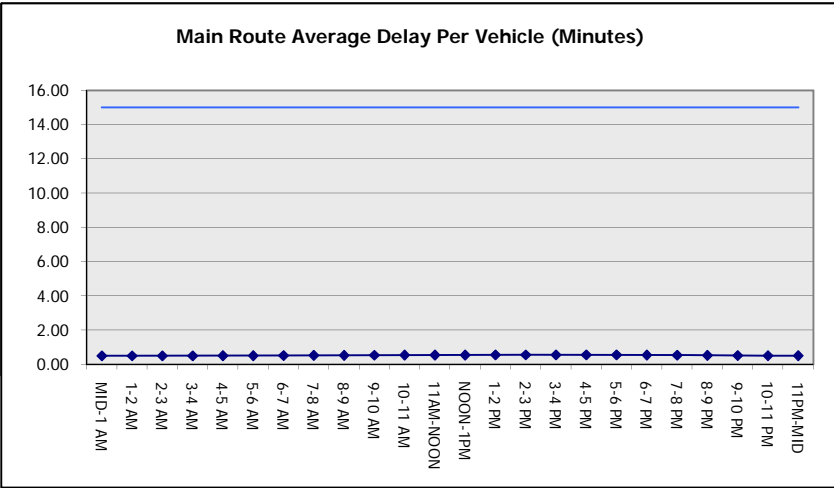
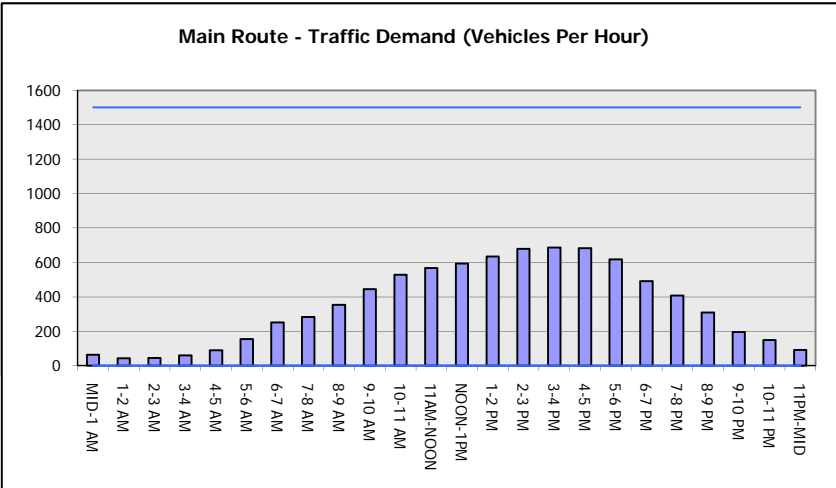
ROAD USER COSTS PER DAY	\$968
CONGESTED HOURS PER DAY*	0

*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	66	0.0	1500	66	0	0.50	0	63.8	59.1	41.8
1-2 AM	42	0.0	1500	42	0	0.50	0	63.8	59.1	41.9
2-3 AM	43	0.0	1500	43	0	0.50	0	63.8	59.1	41.9
3-4 AM	52	0.0	1500	52	0	0.50	0	63.8	59.1	41.8
4-5 AM	87	0.0	1500	87	0	0.51	0	63.7	59.0	41.7
5-6 AM	157	0.0	1500	157	0	0.51	0	63.6	58.8	41.4
6-7 AM	235	0.0	1500	235	0	0.52	0	63.5	58.6	41.2
7-8 AM	309	0.0	1500	309	0	0.53	0	63.3	58.4	40.9
8-9 AM	380	0.0	1500	380	0	0.53	0	63.2	58.3	40.7
9-10 AM	448	0.0	1500	448	0	0.54	0	63.1	58.1	40.5
10-11 AM	526	0.0	1500	526	0	0.55	0	62.9	57.9	40.2
11AM-NOON	594	0.0	1500	594	0	0.55	0	62.8	57.8	40.0
NOON-1PM	585	0.0	1500	585	0	0.55	0	62.8	57.8	40.0
1-2 PM	677	0.0	1500	677	0	0.56	0	62.7	57.6	39.7
2-3 PM	762	0.0	1500	762	0	0.57	0	62.5	57.4	39.4
3-4 PM	782	0.0	1500	782	0	0.57	0	62.5	57.3	39.4
4-5 PM	798	0.0	1500	798	0	0.57	0	62.4	57.3	39.3
5-6 PM	717	0.0	1500	717	0	0.57	0	62.5	57.5	39.6
6-7 PM	637	0.0	1500	637	0	0.56	0	62.7	57.7	39.9
7-8 PM	542	0.0	1500	542	0	0.55	0	62.9	57.9	40.2
8-9 PM	411	0.0	1500	411	0	0.54	0	63.2	58.2	40.6
9-10 PM	304	0.0	1500	304	0	0.53	0	63.3	58.5	40.9
10-11 PM	186	0.0	1500	186	0	0.52	0	63.5	58.7	41.4
11PM-MID	117	0.0	1500	117	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	0.0104
MAIN ROUTE WITH WORKS	0.0115
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,098
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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