

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

SATURDAY 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	58	0.0	1500	58	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	38	0.0	1500	38	0	0.50	0	63.8	59.1	41.9
3-4 AM	40	0.0	1500	40	0	0.50	0	63.8	59.1	41.9
4-5 AM	47	0.0	1500	47	0	0.50	0	63.8	59.1	41.9
5-6 AM	76	0.0	1500	76	0	0.51	0	63.8	59.0	41.7
6-7 AM	135	0.0	1500	135	0	0.51	0	63.7	58.9	41.5
7-8 AM	214	0.0	1500	214	0	0.52	0	63.5	58.7	41.2
8-9 AM	331	0.0	1500	331	0	0.53	0	63.3	58.4	40.9
9-10 AM	474	0.0	1500	474	0	0.54	0	63.0	58.1	40.4
10-11 AM	552	0.0	1500	552	0	0.55	0	62.8	57.9	40.1
11AM-NOON	574	0.0	1500	574	0	0.55	0	62.8	57.8	40.1
NOON-1PM	503	0.0	1500	503	0	0.55	0	63.0	58.0	40.3
1-2 PM	475	0.0	1500	475	0	0.54	0	63.0	58.1	40.4
2-3 PM	449	0.0	1500	449	0	0.54	0	63.1	58.1	40.5
3-4 PM	398	0.0	1500	398	0	0.54	0	63.2	58.2	40.6
4-5 PM	368	0.0	1500	368	0	0.53	0	63.2	58.3	40.7
5-6 PM	311	0.0	1500	311	0	0.53	0	63.3	58.4	40.9
6-7 PM	264	0.0	1500	264	0	0.52	0	63.4	58.6	41.1
7-8 PM	236	0.0	1500	236	0	0.52	0	63.5	58.6	41.2
8-9 PM	215	0.0	1500	215	0	0.52	0	63.5	58.7	41.2
9-10 PM	172	0.0	1500	172	0	0.52	0	63.6	58.8	41.4
10-11 PM	118	0.0	1500	118	0	0.51	0	63.7	58.9	41.6
11PM-MID	77	0.0	1500	77	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

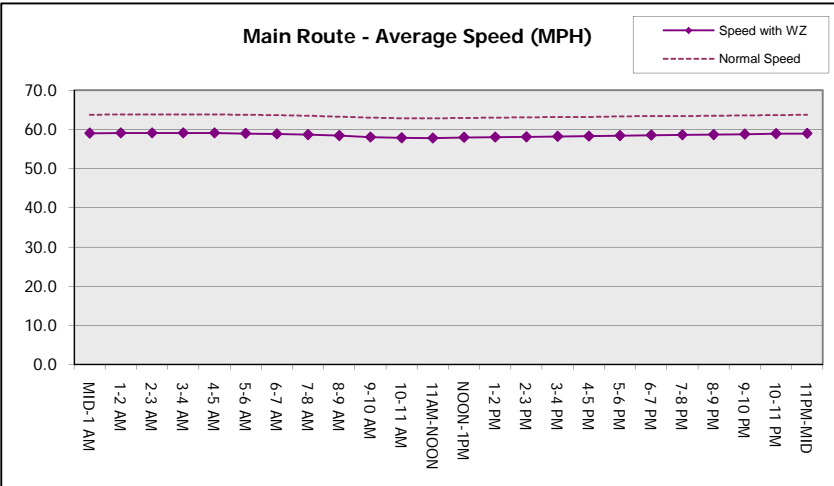
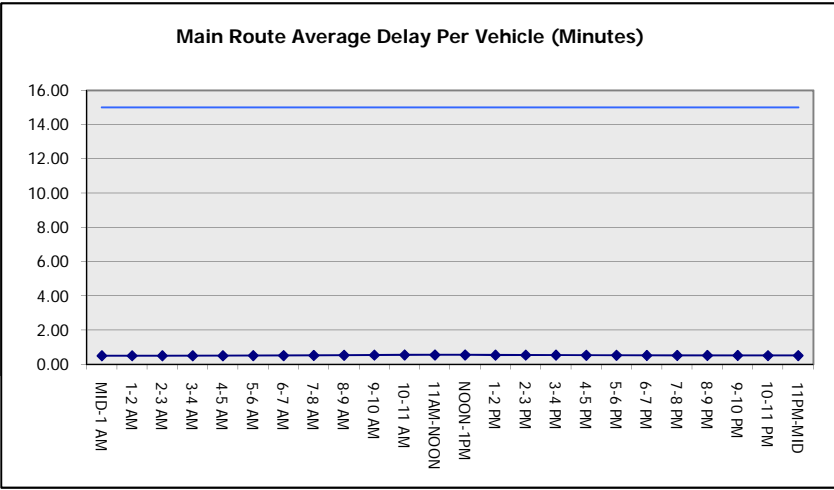
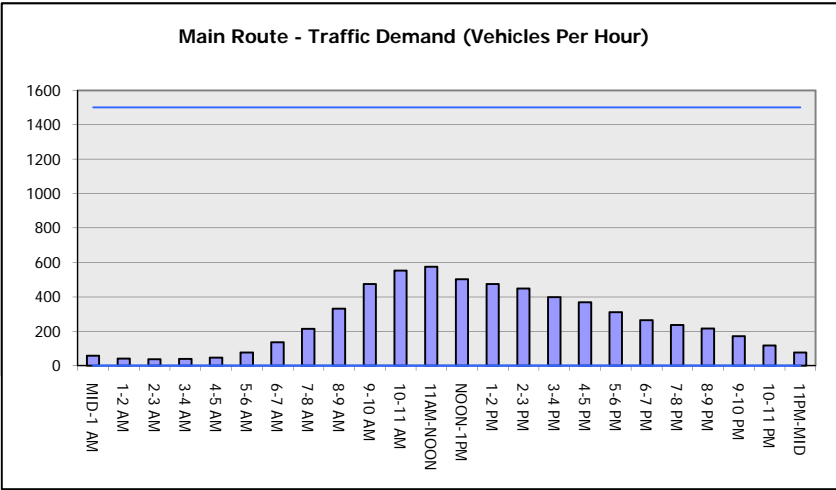
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0068
MAIN ROUTE WITH WORKS	0.0075
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$842
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	78	0.0	1500	78	0	0.51	0	63.8	59.0	41.7
1-2 AM	49	0.0	1500	49	0	0.50	0	63.8	59.1	41.9
2-3 AM	39	0.0	1500	39	0	0.50	0	63.8	59.1	41.9
3-4 AM	36	0.0	1500	36	0	0.50	0	63.8	59.1	41.9
4-5 AM	51	0.0	1500	51	0	0.50	0	63.8	59.1	41.8
5-6 AM	84	0.0	1500	84	0	0.51	0	63.7	59.0	41.7
6-7 AM	116	0.0	1500	116	0	0.51	0	63.7	58.9	41.6
7-8 AM	212	0.0	1500	212	0	0.52	0	63.5	58.7	41.2
8-9 AM	332	0.0	1500	332	0	0.53	0	63.3	58.4	40.9
9-10 AM	458	0.0	1500	458	0	0.54	0	63.0	58.1	40.4
10-11 AM	535	0.0	1500	535	0	0.55	0	62.9	57.9	40.2
11AM-NOON	540	0.0	1500	540	0	0.55	0	62.9	57.9	40.2
NOON-1PM	498	0.0	1500	498	0	0.55	0	63.0	58.0	40.3
1-2 PM	451	0.0	1500	451	0	0.54	0	63.0	58.1	40.4
2-3 PM	422	0.0	1500	422	0	0.54	0	63.1	58.2	40.6
3-4 PM	414	0.0	1500	414	0	0.54	0	63.2	58.2	40.6
4-5 PM	389	0.0	1500	389	0	0.54	0	63.2	58.2	40.7
5-6 PM	357	0.0	1500	357	0	0.53	0	63.2	58.4	40.7
6-7 PM	296	0.0	1500	296	0	0.53	0	63.3	58.5	41.0
7-8 PM	245	0.0	1500	245	0	0.52	0	63.5	58.6	41.2
8-9 PM	214	0.0	1500	214	0	0.52	0	63.5	58.7	41.2
9-10 PM	195	0.0	1500	195	0	0.52	0	63.5	58.7	41.3
10-11 PM	139	0.0	1500	139	0	0.51	0	63.7	58.9	41.5
11PM-MID	98	0.0	1500	98	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	0.0069
MAIN ROUTE WITH WORKS	0.0076
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$855
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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