

STH 29: CTH H TO STH 73 (CHIPPEWA AND CLARK COUNTIES) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER
	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	46	0.0	1500	46	0	0.50	0	63.8	59.1	41.9
1-2 AM	27	0.0	1500	27	0	0.50	0	63.8	59.1	41.9
2-3 AM	27	0.0	1500	27	0	0.50	0	63.8	59.1	41.9
3-4 AM	22	0.0	1500	22	0	0.50	0	63.8	59.1	41.9
4-5 AM	24	0.0	1500	24	0	0.50	0	63.8	59.1	41.9
5-6 AM	36	0.0	1500	36	0	0.50	0	63.8	59.1	41.9
6-7 AM	46	0.0	1500	46	0	0.50	0	63.8	59.1	41.9
7-8 AM	80	0.0	1500	80	0	0.51	0	63.8	59.0	41.7
8-9 AM	140	0.0	1500	140	0	0.51	0	63.7	58.9	41.5
9-10 AM	245	0.0	1500	245	0	0.52	0	63.5	58.6	41.2
10-11 AM	360	0.0	1500	360	0	0.53	0	63.2	58.3	40.7
11AM-NOON	452	0.0	1500	452	0	0.54	0	63.0	58.1	40.4
NOON-1PM	573	0.0	1500	573	0	0.55	0	62.8	57.8	40.1
1-2 PM	636	0.0	1500	636	0	0.56	0	62.7	57.7	39.9
2-3 PM	686	0.0	1500	686	0	0.56	0	62.6	57.6	39.7
3-4 PM	742	0.0	1500	742	0	0.57	0	62.5	57.4	39.5
4-5 PM	711	0.0	1500	711	0	0.57	0	62.6	57.5	39.6
5-6 PM	676	0.0	1500	676	0	0.56	0	62.7	57.6	39.7
6-7 PM	642	0.0	1500	642	0	0.56	0	62.7	57.7	39.8
7-8 PM	506	0.0	1500	506	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	304	0.0	1500	304	0	0.53	0	63.3	58.5	40.9
10-11 PM	179	0.0	1500	179	0	0.52	0	63.6	58.7	41.4
11PM-MID	60	0.0	1500	60	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	0.0084
MAIN ROUTE WITH WORKS	0.0092
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

ROAD USER COSTS PER DAY	\$1,087
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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 CONTINUOUS (24 HOUR) CLOSURE
 NO DIVERSION ROUTE (MAX QUEUE METHOD)**

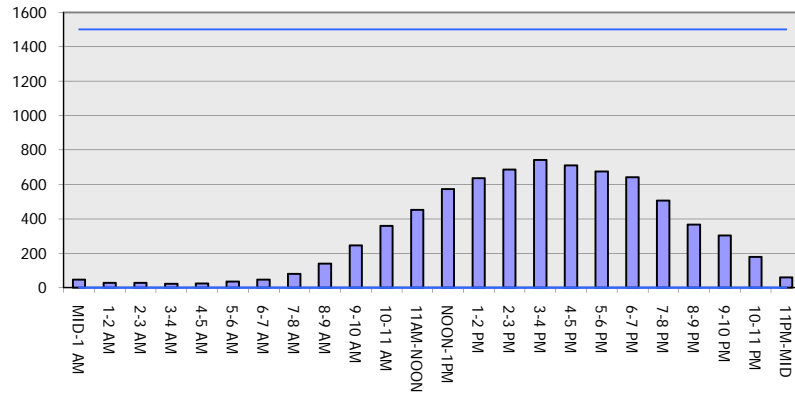
OCTOBER

Analyzed for 2009
 Construction Season

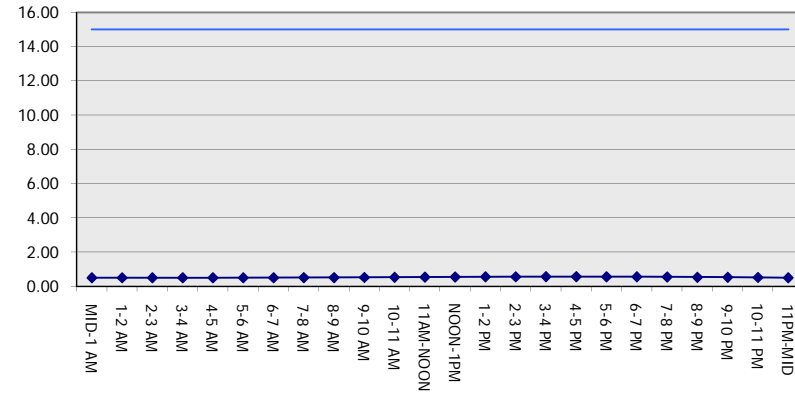
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY SOUTHBOUND DIRECTION

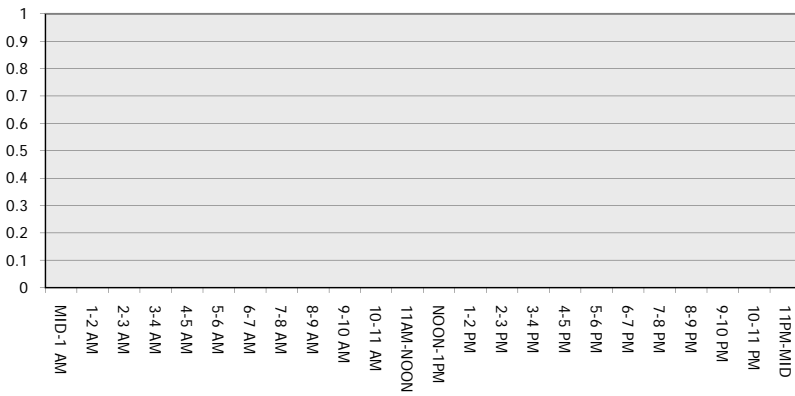
Main Route - Traffic Demand (Vehicles Per Hour)



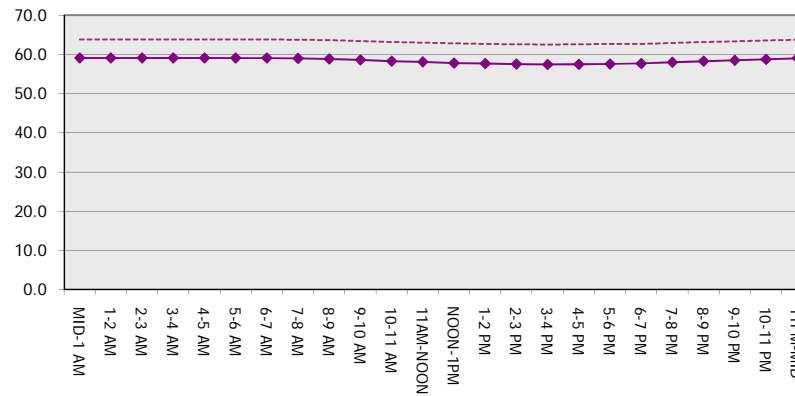
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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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	48	0.0	1500	48	0	0.50	0	63.8	59.1	41.9
1-2 AM	34	0.0	1500	34	0	0.50	0	63.8	59.1	41.9
2-3 AM	24	0.0	1500	24	0	0.50	0	63.8	59.1	41.9
3-4 AM	15	0.0	1500	15	0	0.50	0	63.9	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	34	0.0	1500	34	0	0.50	0	63.8	59.1	41.9
6-7 AM	68	0.0	1500	68	0	0.51	0	63.8	59.1	41.7
7-8 AM	136	0.0	1500	136	0	0.51	0	63.7	58.9	41.5
8-9 AM	187	0.0	1500	187	0	0.52	0	63.5	58.7	41.4
9-10 AM	311	0.0	1500	311	0	0.53	0	63.3	58.4	40.9
10-11 AM	374	0.0	1500	374	0	0.53	0	63.2	58.3	40.7
11AM-NOON	472	0.0	1500	472	0	0.54	0	63.0	58.1	40.4
NOON-1PM	490	0.0	1500	490	0	0.55	0	63.0	58.0	40.3
1-2 PM	556	0.0	1500	556	0	0.55	0	62.8	57.9	40.1
2-3 PM	557	0.0	1500	557	0	0.55	0	62.8	57.9	40.1
3-4 PM	602	0.0	1500	602	0	0.56	0	62.8	57.8	40.0
4-5 PM	597	0.0	1500	597	0	0.56	0	62.8	57.8	40.0
5-6 PM	549	0.0	1500	549	0	0.55	0	62.9	57.9	40.1
6-7 PM	470	0.0	1500	470	0	0.54	0	63.0	58.1	40.4
7-8 PM	359	0.0	1500	359	0	0.53	0	63.2	58.3	40.7
8-9 PM	247	0.0	1500	247	0	0.52	0	63.5	58.6	41.1
9-10 PM	174	0.0	1500	174	0	0.52	0	63.6	58.8	41.4
10-11 PM	114	0.0	1500	114	0	0.51	0	63.7	58.9	41.6
11PM-MID	60	0.0	1500	60	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	0.0072
MAIN ROUTE WITH WORKS	0.0079
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$916
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

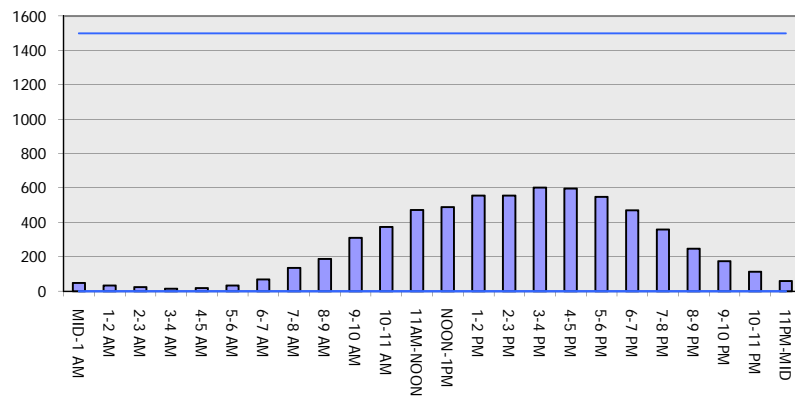
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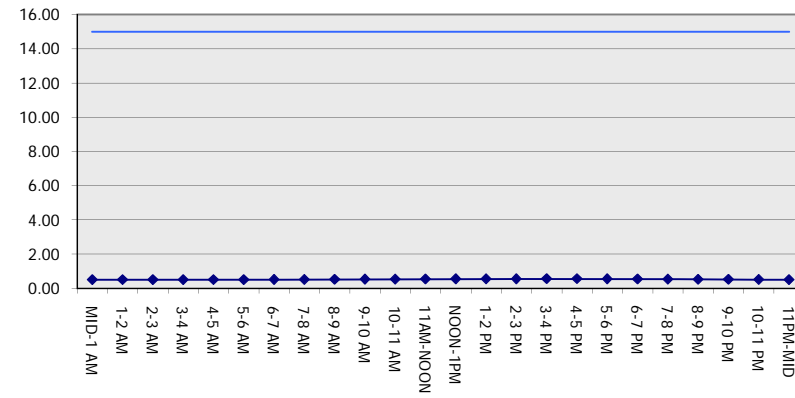
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

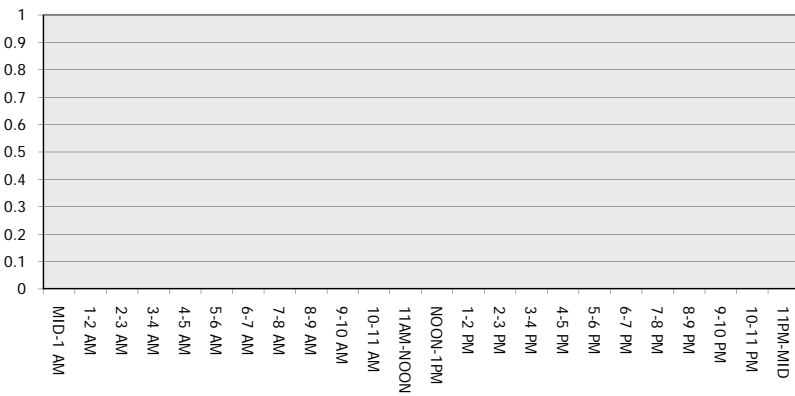
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

