

STH 29: 40TH ST TO CTH T (CHIPPEWA COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	48	0.0	1500	48	0	0.50	0	63.8	50.9	41.9
1-2 AM	36	0.0	1500	36	0	0.50	0	63.8	50.9	41.9
2-3 AM	33	0.0	1500	33	0	0.50	0	63.8	50.9	41.9
3-4 AM	41	0.0	1500	41	0	0.50	0	63.8	50.9	41.9
4-5 AM	55	0.0	1500	55	0	0.50	0	63.8	50.8	41.8
5-6 AM	82	0.0	1500	82	0	0.51	0	63.8	50.7	41.7
6-7 AM	113	0.0	1500	113	0	0.51	0	63.7	50.7	41.6
7-8 AM	187	0.0	1500	187	0	0.52	0	63.5	50.4	41.4
8-9 AM	261	0.0	1500	261	0	0.52	0	63.4	50.2	41.1
9-10 AM	311	0.0	1500	311	0	0.53	0	63.3	50.1	40.9
10-11 AM	356	0.0	1500	356	0	0.53	0	63.2	49.9	40.8
11AM-NOON	353	0.0	1500	353	0	0.53	0	63.2	49.9	40.8
NOON-1PM	342	0.0	1500	342	0	0.53	0	63.3	49.9	40.8
1-2 PM	315	0.0	1500	315	0	0.53	0	63.3	50.0	40.9
2-3 PM	311	0.0	1500	311	0	0.53	0	63.3	50.1	40.9
3-4 PM	294	0.0	1500	294	0	0.53	0	63.3	50.1	41.0
4-5 PM	278	0.0	1500	278	0	0.53	0	63.4	50.1	41.0
5-6 PM	266	0.0	1500	266	0	0.52	0	63.4	50.2	41.0
6-7 PM	217	0.0	1500	217	0	0.52	0	63.5	50.3	41.2
7-8 PM	203	0.0	1500	203	0	0.52	0	63.5	50.4	41.3
8-9 PM	171	0.0	1500	171	0	0.51	0	63.6	50.5	41.4
9-10 PM	138	0.0	1500	138	0	0.51	0	63.7	50.5	41.5
10-11 PM	94	0.0	1500	94	0	0.51	0	63.7	50.7	41.7
11PM-MID	75	0.0	1500	75	0	0.51	0	63.8	50.7	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

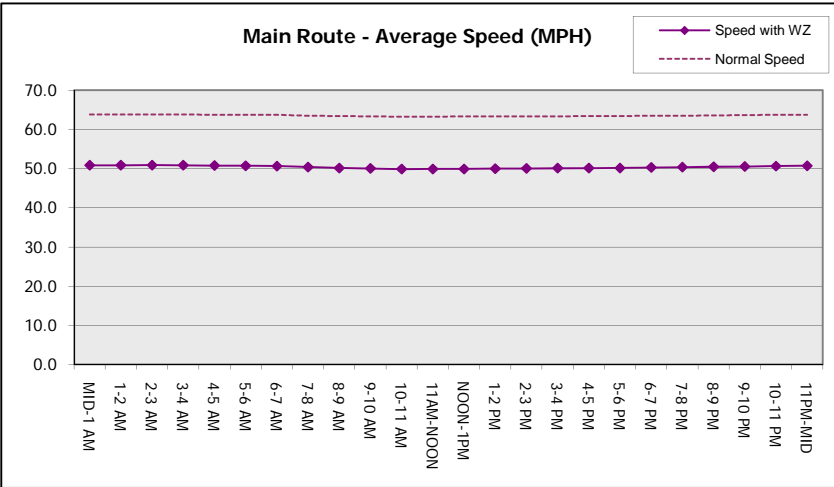
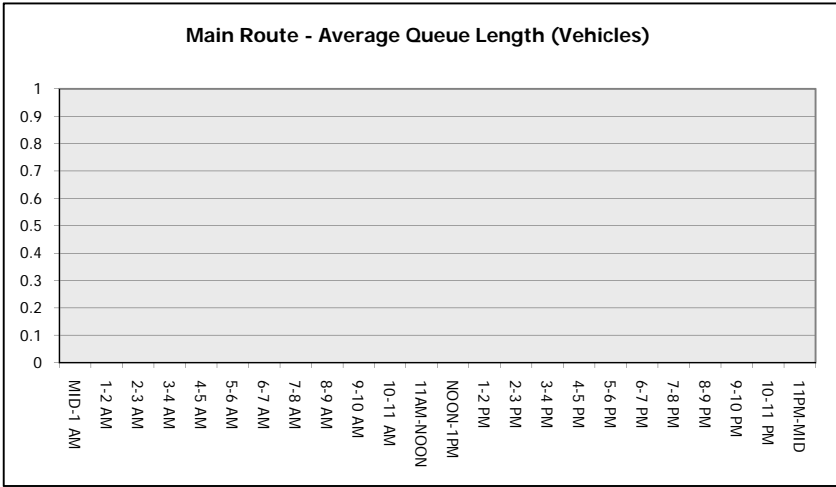
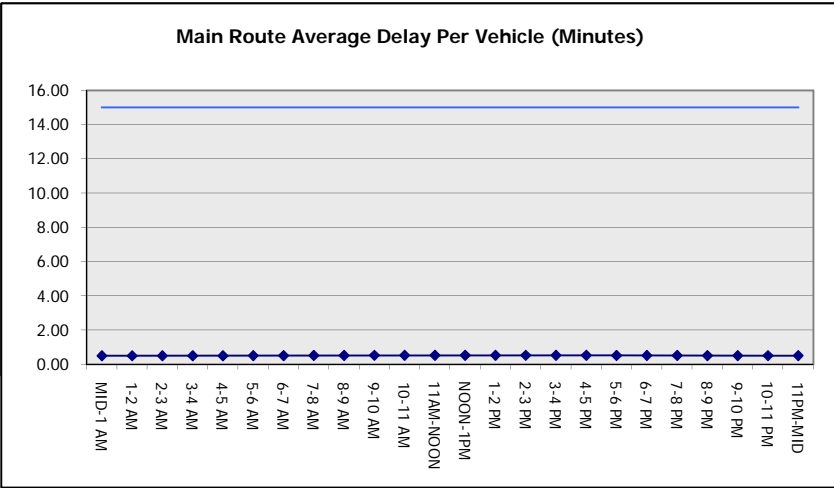
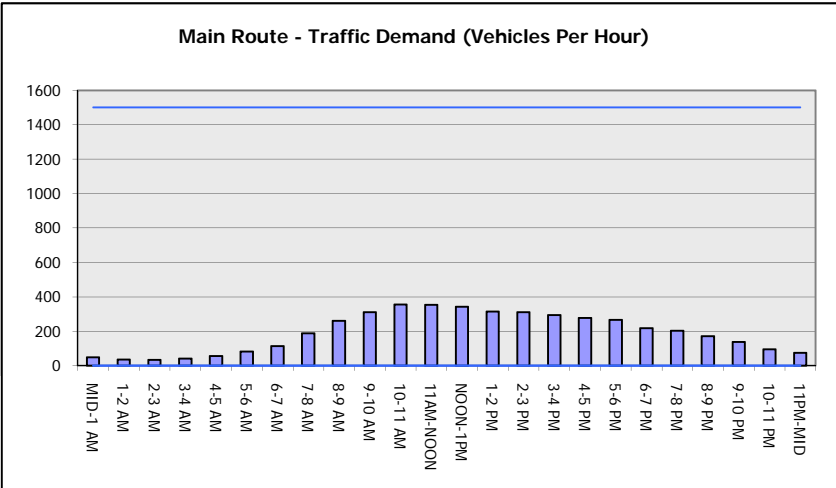
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0016
MAIN ROUTE WITH WORKS	0.0021
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$609
CONGESTED HOURS PER DAY*	0

*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	65	0.0	1500	65	0	0.50	0	63.8	50.8	41.8
1-2 AM	48	0.0	1500	48	0	0.50	0	63.8	50.9	41.9
2-3 AM	32	0.0	1500	32	0	0.50	0	63.8	50.9	41.9
3-4 AM	32	0.0	1500	32	0	0.50	0	63.8	50.9	41.9
4-5 AM	44	0.0	1500	44	0	0.50	0	63.8	50.9	41.9
5-6 AM	78	0.0	1500	78	0	0.51	0	63.8	50.7	41.7
6-7 AM	131	0.0	1500	131	0	0.51	0	63.7	50.6	41.5
7-8 AM	225	0.0	1500	225	0	0.52	0	63.5	50.3	41.2
8-9 AM	315	0.0	1500	315	0	0.53	0	63.3	50.0	40.9
9-10 AM	380	0.0	1500	380	0	0.53	0	63.2	49.8	40.7
10-11 AM	432	0.0	1500	432	0	0.54	0	63.1	49.7	40.5
11AM-NOON	415	0.0	1500	415	0	0.54	0	63.2	49.7	40.6
NOON-1PM	391	0.0	1500	391	0	0.54	0	63.2	49.8	40.7
1-2 PM	353	0.0	1500	353	0	0.53	0	63.2	49.9	40.8
2-3 PM	334	0.0	1500	334	0	0.53	0	63.3	50.0	40.9
3-4 PM	345	0.0	1500	345	0	0.53	0	63.3	49.9	40.8
4-5 PM	316	0.0	1500	316	0	0.53	0	63.3	50.0	40.9
5-6 PM	296	0.0	1500	296	0	0.53	0	63.3	50.1	41.0
6-7 PM	244	0.0	1500	244	0	0.52	0	63.5	50.2	41.2
7-8 PM	201	0.0	1500	201	0	0.52	0	63.5	50.4	41.3
8-9 PM	168	0.0	1500	168	0	0.51	0	63.6	50.5	41.4
9-10 PM	137	0.0	1500	137	0	0.51	0	63.7	50.5	41.5
10-11 PM	105	0.0	1500	105	0	0.51	0	63.7	50.7	41.6
11PM-MID	76	0.0	1500	76	0	0.51	0	63.8	50.7	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	0.0018
MAIN ROUTE WITH WORKS	0.0023
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$691
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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