

<b>STH 29: 40TH ST TO CTH T (CHIPPEWA COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	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	38	0.0	1500	38	0	0.50	0	63.8	50.9	41.9
1-2 AM	32	0.0	1500	32	0	0.50	0	63.8	50.9	41.9
2-3 AM	39	0.0	1500	39	0	0.50	0	63.8	50.9	41.9
3-4 AM	66	0.0	1500	66	0	0.50	0	63.8	50.8	41.8
4-5 AM	119	0.0	1500	119	0	0.51	0	63.7	50.6	41.6
5-6 AM	193	0.0	1500	193	0	0.52	0	63.5	50.4	41.3
6-7 AM	262	0.0	1500	262	0	0.52	0	63.4	50.2	41.1
7-8 AM	299	0.0	1500	299	0	0.53	0	63.3	50.1	41.0
8-9 AM	256	0.0	1500	256	0	0.52	0	63.4	50.2	41.1
9-10 AM	284	0.0	1500	284	0	0.53	0	63.3	50.1	41.0
10-11 AM	307	0.0	1500	307	0	0.53	0	63.3	50.1	40.9
11AM-NOON	359	0.0	1500	359	0	0.53	0	63.2	49.9	40.7
NOON-1PM	375	0.0	1500	375	0	0.53	0	63.2	49.9	40.7
1-2 PM	416	0.0	1500	416	0	0.54	0	63.2	49.7	40.6
2-3 PM	436	0.0	1500	436	0	0.54	0	63.1	49.7	40.5
3-4 PM	472	0.0	1500	472	0	0.54	0	63.0	49.6	40.4
4-5 PM	546	0.0	1500	546	0	0.55	0	62.9	49.3	40.1
5-6 PM	502	0.0	1500	502	0	0.55	0	63.0	49.4	40.3
6-7 PM	381	0.0	1500	381	0	0.53	0	63.2	49.8	40.7
7-8 PM	302	0.0	1500	302	0	0.53	0	63.3	50.1	40.9
8-9 PM	246	0.0	1500	246	0	0.52	0	63.5	50.2	41.1
9-10 PM	178	0.0	1500	178	0	0.52	0	63.6	50.4	41.4
10-11 PM	122	0.0	1500	122	0	0.51	0	63.7	50.6	41.5
11PM-MID	72	0.0	1500	72	0	0.51	0	63.8	50.8	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	0.0022
MAIN ROUTE WITH WORKS	0.0029
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

**IMPACTS ON ROAD USERS**

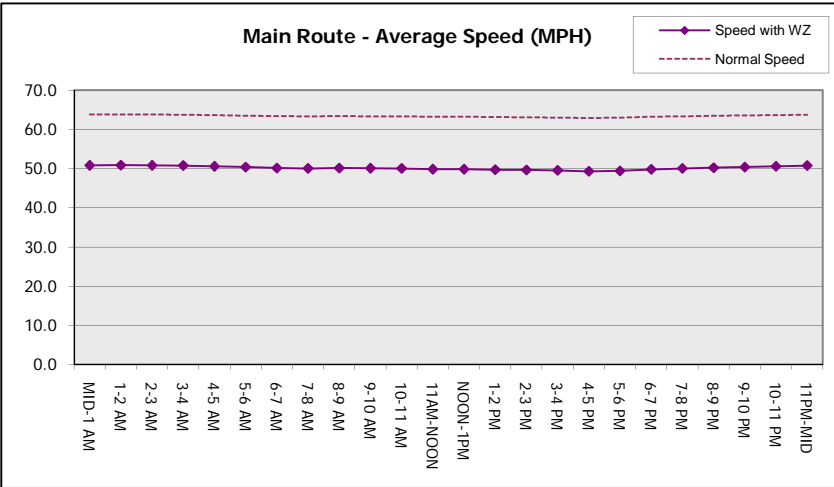
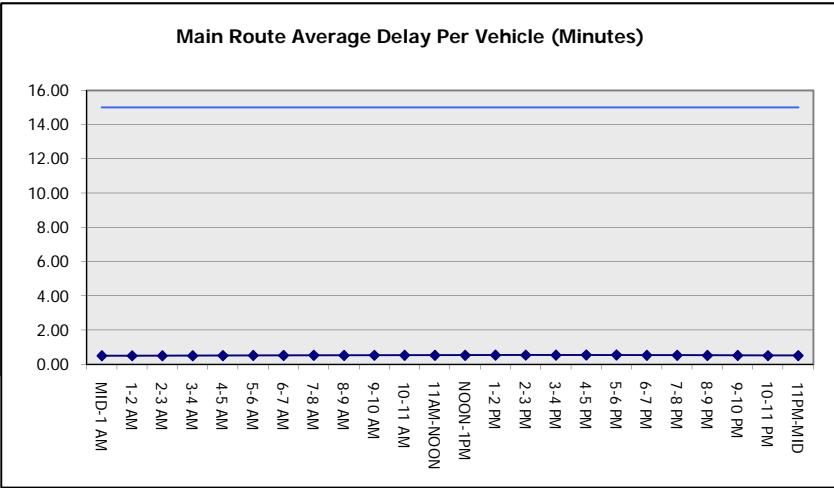
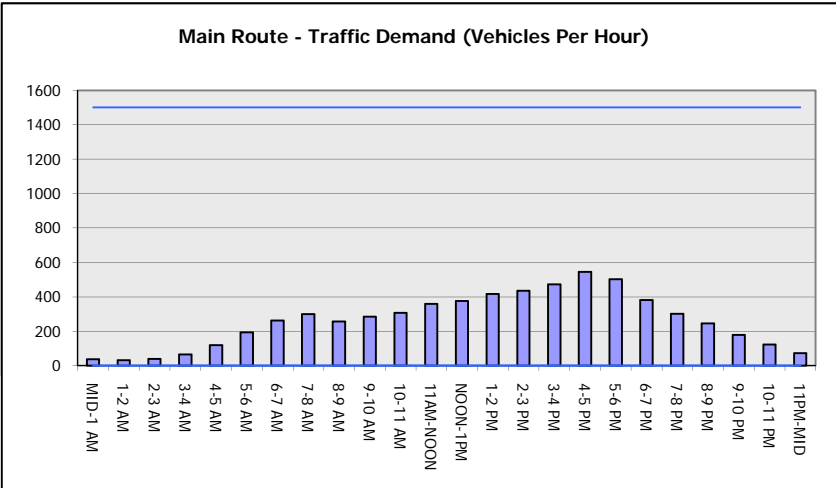
ROAD USER COSTS PER DAY	\$698
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**MAY**  
Analyzed for 2009  
Construction Season

**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	57	0.0	1500	57	0	0.50	0	63.8	50.8	41.8
1-2 AM	57	0.0	1500	57	0	0.50	0	63.8	50.8	41.8
2-3 AM	40	0.0	1500	40	0	0.50	0	63.8	50.9	41.9
3-4 AM	39	0.0	1500	39	0	0.50	0	63.8	50.9	41.9
4-5 AM	67	0.0	1500	67	0	0.51	0	63.8	50.8	41.8
5-6 AM	147	0.0	1500	147	0	0.51	0	63.7	50.5	41.5
6-7 AM	294	0.0	1500	294	0	0.53	0	63.3	50.1	41.0
7-8 AM	407	0.0	1500	407	0	0.54	0	63.2	49.7	40.6
8-9 AM	314	0.0	1500	314	0	0.53	0	63.3	50.1	40.9
9-10 AM	340	0.0	1500	340	0	0.53	0	63.3	49.9	40.8
10-11 AM	413	0.0	1500	413	0	0.54	0	63.2	49.7	40.6
11AM-NOON	426	0.0	1500	426	0	0.54	0	63.1	49.7	40.6
NOON-1PM	470	0.0	1500	470	0	0.54	0	63.0	49.6	40.4
1-2 PM	560	0.0	1500	560	0	0.55	0	62.8	49.3	40.1
2-3 PM	580	0.0	1500	580	0	0.55	0	62.8	49.2	40.1
3-4 PM	709	0.0	1500	709	0	0.57	0	62.6	48.9	39.6
4-5 PM	682	0.0	1500	682	0	0.56	0	62.7	48.9	39.7
5-6 PM	663	0.0	1500	663	0	0.56	0	62.7	49.0	39.7
6-7 PM	563	0.0	1500	563	0	0.55	0	62.8	49.2	40.1
7-8 PM	436	0.0	1500	436	0	0.54	0	63.1	49.7	40.5
8-9 PM	276	0.0	1500	276	0	0.52	0	63.4	50.1	41.0
9-10 PM	203	0.0	1500	203	0	0.52	0	63.5	50.4	41.3
10-11 PM	177	0.0	1500	177	0	0.52	0	63.6	50.4	41.4
11PM-MID	129	0.0	1500	129	0	0.51	0	63.7	50.6	41.5

*----- 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	0.0028
MAIN ROUTE WITH WORKS	0.0037
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$910
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**FRIDAY NORTHBOUND DIRECTION**

