

<b>USH 41: CTH T TO MAPLE ST (MARINETTE 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	56	0.0	1500	56	0	0.50	0	63.8	57.1	41.8
1-2 AM	51	0.0	1500	51	0	0.50	0	63.8	57.1	41.8
2-3 AM	60	0.0	1500	60	0	0.50	0	63.8	57.1	41.8
3-4 AM	49	0.0	1500	49	0	0.50	0	63.8	57.1	41.9
4-5 AM	106	0.0	1500	106	0	0.51	0	63.7	57.0	41.6
5-6 AM	234	0.0	1500	234	0	0.52	0	63.5	56.7	41.2
6-7 AM	329	0.0	1500	329	0	0.53	0	63.3	56.4	40.9
7-8 AM	487	0.0	1500	487	0	0.54	0	63.0	56.0	40.4
8-9 AM	479	0.0	1500	479	0	0.54	0	63.0	56.0	40.4
9-10 AM	558	0.0	1500	558	0	0.55	0	62.8	55.8	40.1
10-11 AM	607	0.0	1500	607	0	0.56	0	62.8	55.7	39.9
11AM-NOON	659	0.0	1500	659	0	0.56	0	62.7	55.6	39.8
NOON-1PM	748	0.0	1500	748	0	0.57	0	62.5	55.3	39.5
1-2 PM	727	0.0	1500	727	0	0.57	0	62.5	55.4	39.6
2-3 PM	810	0.0	1500	810	0	0.58	0	62.4	55.2	39.3
3-4 PM	954	0.0	1500	954	0	0.59	0	62.1	54.8	38.9
4-5 PM	780	0.0	1500	780	0	0.57	0	62.5	55.3	39.4
5-6 PM	707	0.0	1500	707	0	0.57	0	62.6	55.5	39.6
6-7 PM	526	0.0	1500	526	0	0.55	0	62.9	55.9	40.2
7-8 PM	389	0.0	1500	389	0	0.54	0	63.2	56.3	40.7
8-9 PM	277	0.0	1500	277	0	0.52	0	63.4	56.6	41.0
9-10 PM	246	0.0	1500	246	0	0.52	0	63.5	56.6	41.2
10-11 PM	179	0.0	1500	179	0	0.52	0	63.6	56.8	41.4
11PM-MID	122	0.0	1500	122	0	0.51	0	63.7	56.9	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

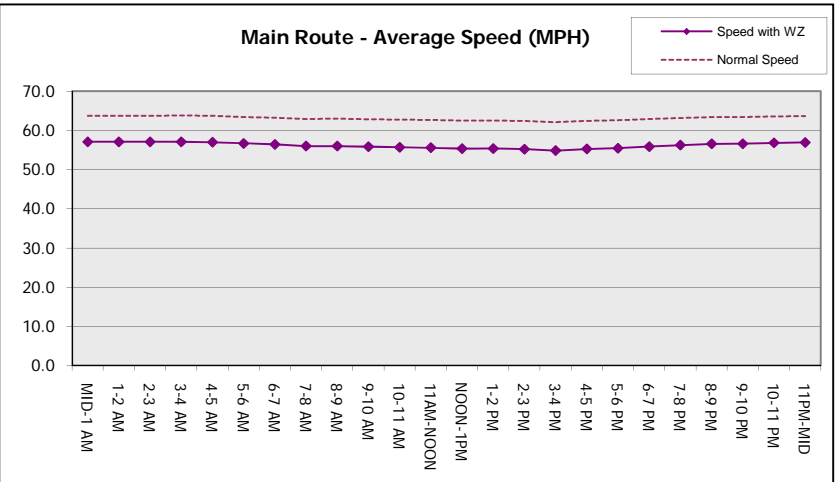
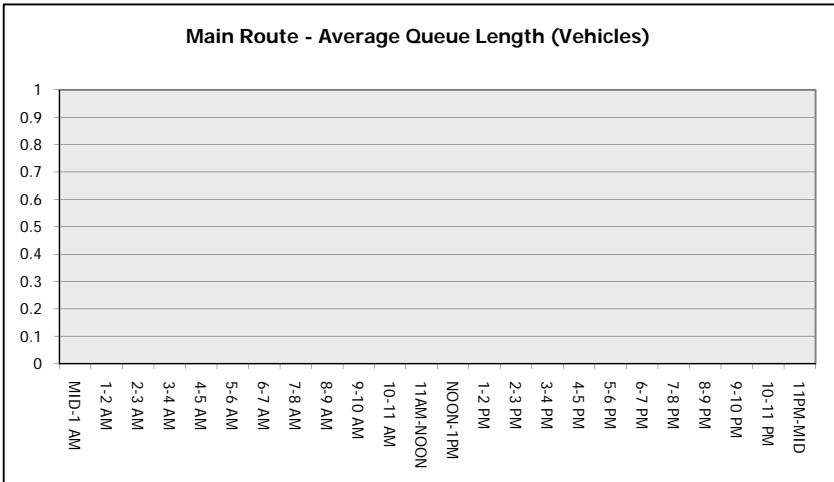
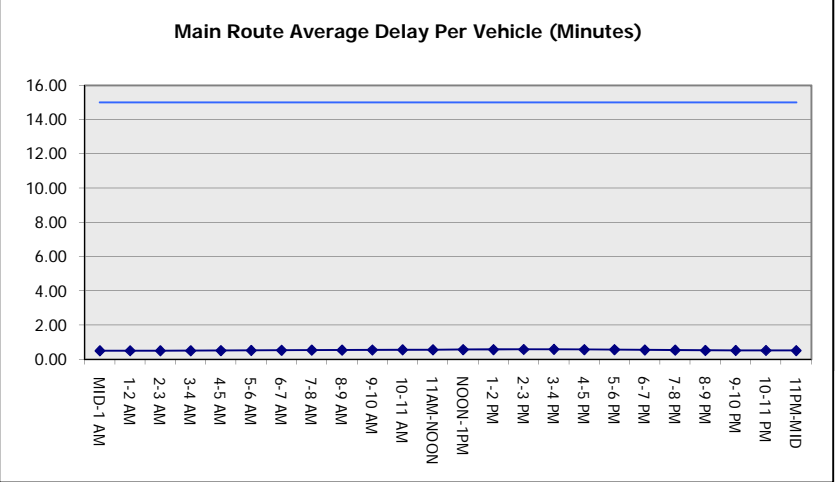
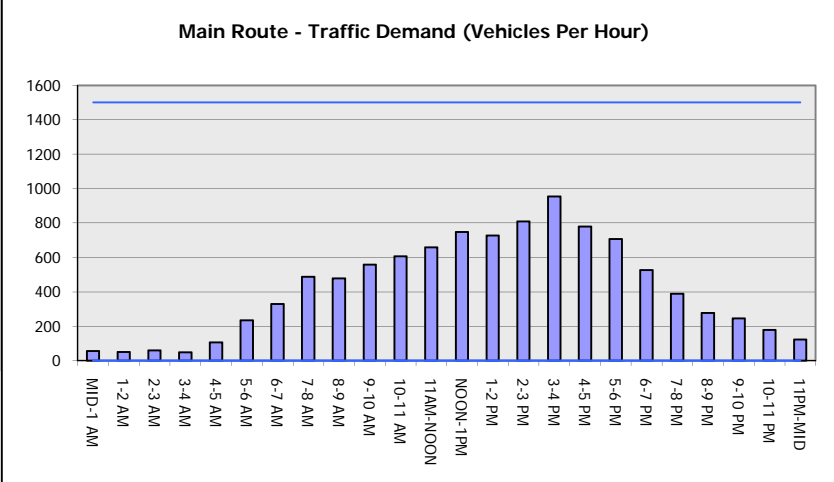
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0077
MAIN ROUTE WITH WORKS	0.0088
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,178
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**MAY**  
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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	61	0.0	1500	61	0	0.50	0	63.8	57.1	41.8
1-2 AM	52	0.0	1500	52	0	0.50	0	63.8	57.1	41.8
2-3 AM	46	0.0	1500	46	0	0.50	0	63.8	57.1	41.9
3-4 AM	46	0.0	1500	46	0	0.50	0	63.8	57.1	41.9
4-5 AM	168	0.0	1500	168	0	0.51	0	63.6	56.8	41.4
5-6 AM	255	0.0	1500	255	0	0.52	0	63.4	56.6	41.1
6-7 AM	428	0.0	1500	428	0	0.54	0	63.1	56.2	40.6
7-8 AM	590	0.0	1500	590	0	0.55	0	62.8	55.8	40.0
8-9 AM	626	0.0	1500	626	0	0.56	0	62.7	55.6	39.9
9-10 AM	609	0.0	1500	609	0	0.56	0	62.8	55.7	39.9
10-11 AM	611	0.0	1500	611	0	0.56	0	62.8	55.7	39.9
11AM-NOON	643	0.0	1500	643	0	0.56	0	62.7	55.6	39.8
NOON-1PM	668	0.0	1500	668	0	0.56	0	62.7	55.6	39.7
1-2 PM	672	0.0	1500	672	0	0.56	0	62.7	55.6	39.7
2-3 PM	848	0.0	1500	848	0	0.58	0	62.3	55.1	39.2
3-4 PM	823	0.0	1500	823	0	0.58	0	62.3	55.1	39.2
4-5 PM	862	0.0	1500	862	0	0.58	0	62.3	55.1	39.1
5-6 PM	796	0.0	1500	796	0	0.57	0	62.4	55.3	39.4
6-7 PM	603	0.0	1500	603	0	0.56	0	62.8	55.7	39.9
7-8 PM	440	0.0	1500	440	0	0.54	0	63.1	56.1	40.5
8-9 PM	419	0.0	1500	419	0	0.54	0	63.1	56.2	40.6
9-10 PM	294	0.0	1500	294	0	0.53	0	63.3	56.5	41.0
10-11 PM	217	0.0	1500	217	0	0.52	0	63.5	56.7	41.2
11PM-MID	120	0.0	1500	120	0	0.51	0	63.7	56.9	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	0.0083
MAIN ROUTE WITH WORKS	0.0094
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,269
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

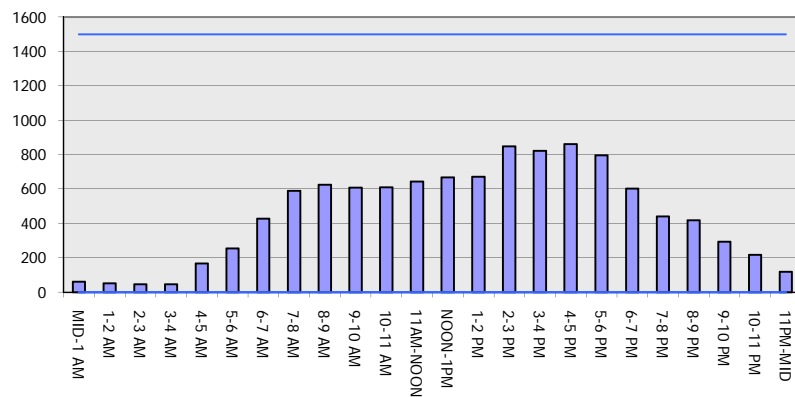
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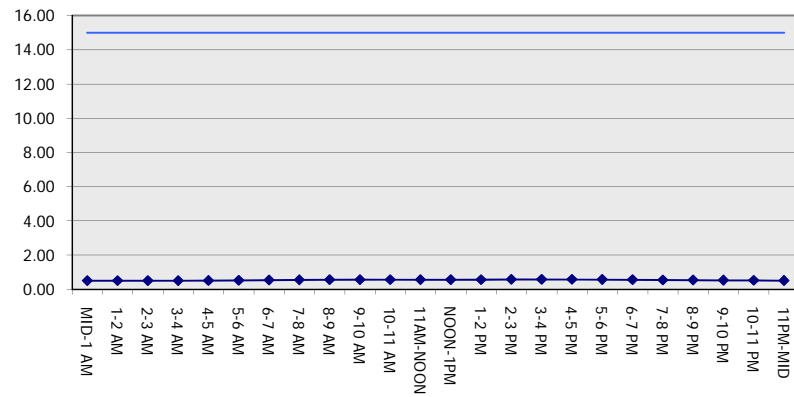
**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**FRIDAY NORTHBOUND DIRECTION**

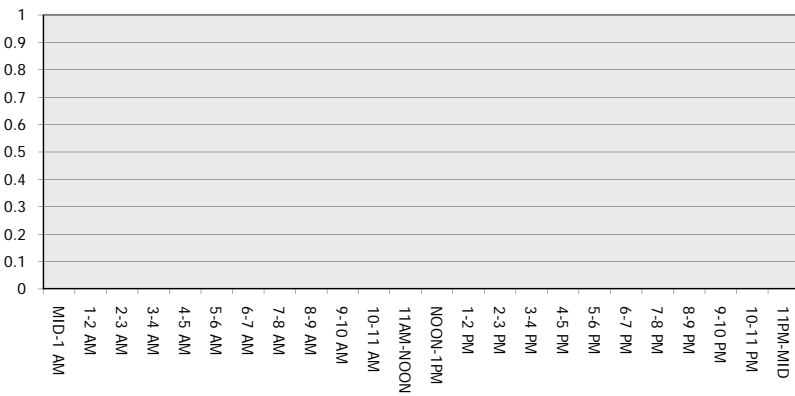
**Main Route - Traffic Demand (Vehicles Per Hour)**



**Main Route Average Delay Per Vehicle (Minutes)**



**Main Route - Average Queue Length (Vehicles)**



**Main Route - Average Speed (MPH)**

