

<b>IH 43: STH 42 TO STH 28 (SHEBOYGAN COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 28 - CTH TA - STH 23</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      SOUTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH								
	MAIN ROUTE		ALTERNATE ROUTE		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		ALTERNATE ROUTE		
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN	SITE	WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	169	0.0	82	0.0	1500	169	0	82	0.44	0	66.1	55.7	44.8	24.2	24.2
1-2 AM	125	0.0	61	0.0	1500	125	0	61	0.43	0	66.1	55.8	45.0	24.3	24.3
2-3 AM	80	0.0	39	0.0	1500	80	0	39	0.43	0	66.3	56.0	45.1	24.5	24.5
3-4 AM	154	0.0	75	0.0	1500	154	0	75	0.44	0	66.1	55.8	44.9	24.3	24.3
4-5 AM	340	0.0	164	0.0	1500	340	0	164	0.46	0	65.8	55.1	44.2	23.6	23.6
5-6 AM	749	0.0	363	0.0	1500	749	0	363	0.49	0	65.0	53.8	42.6	22.0	22.0
6-7 AM	1212	0.0	587	0.0	1500	1212	0	587	0.65	0	64.1	50.5	38.1	20.3	20.3
7-8 AM	1153	0.0	559	0.0	1500	1153	0	559	0.58	0	64.2	51.9	40.1	20.6	20.6
8-9 AM	959	0.0	465	0.0	1500	959	0	465	0.52	0	64.6	53.2	41.8	21.3	21.3
9-10 AM	869	0.0	421	0.0	1500	869	0	421	0.51	0	64.8	53.5	42.2	21.6	21.6
10-11 AM	878	0.0	425	0.0	1500	878	0	425	0.51	0	64.8	53.5	42.1	21.5	21.5
11A-NOON	969	0.0	470	0.0	1500	969	0	470	0.52	0	64.6	53.2	41.8	21.2	21.2
NOON-1PM	995	0.0	482	0.0	1500	995	0	482	0.52	0	64.5	53.1	41.7	21.1	21.1
1-2 PM	1037	0.0	502	0.0	1500	1037	0	502	0.52	0	64.5	53.0	41.5	21.0	21.0
2-3 PM	1045	0.0	506	0.0	1500	1045	0	506	0.52	0	64.5	53.0	41.5	20.9	20.9
3-4 PM	1082	0.0	524	0.0	1500	1082	0	524	0.53	0	64.4	52.8	41.4	20.8	20.8
4-5 PM	1129	0.0	547	0.0	1500	1129	0	547	0.55	0	64.3	52.5	40.9	20.6	20.6
5-6 PM	1045	0.0	506	0.0	1500	1045	0	506	0.52	0	64.5	53.0	41.5	20.9	20.9
6-7 PM	690	0.0	335	0.0	1500	690	0	335	0.49	0	65.1	54.0	42.8	22.3	22.3
7-8 PM	487	0.0	236	0.0	1500	487	0	236	0.47	0	65.5	54.7	43.5	23.0	23.0
8-9 PM	373	0.0	181	0.0	1500	373	0	181	0.46	0	65.7	55.0	44.0	23.5	23.5
9-10 PM	287	0.0	139	0.0	1500	287	0	139	0.45	0	65.8	55.3	44.3	23.8	23.8
10-11 PM	204	0.0	99	0.0	1500	204	0	99	0.44	0	66.0	55.6	44.6	24.1	24.1
11PM-MID	107	0.0	52	0.0	1500	107	0	52	0.43	0	66.2	55.9	45.1	24.5	24.5

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0067
MAIN ROUTE WITH WORKS	0.0056
DIVERSION	0.0349

PIA: Personal Injury Accidents

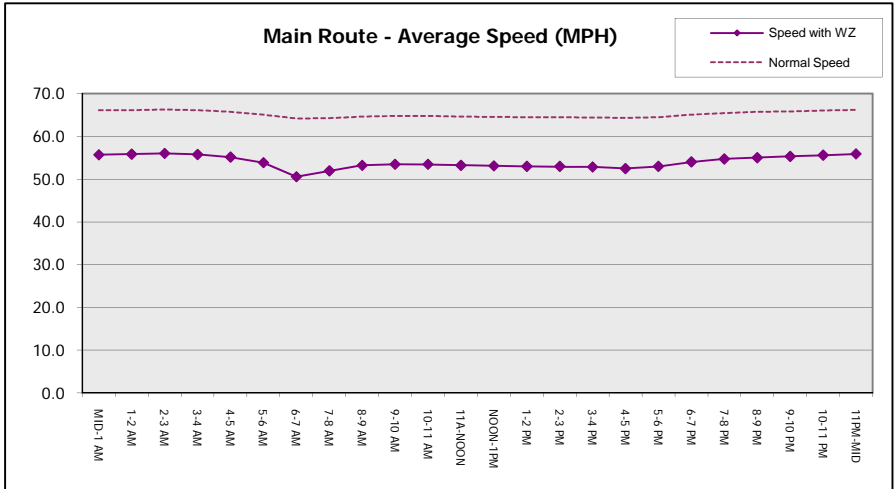
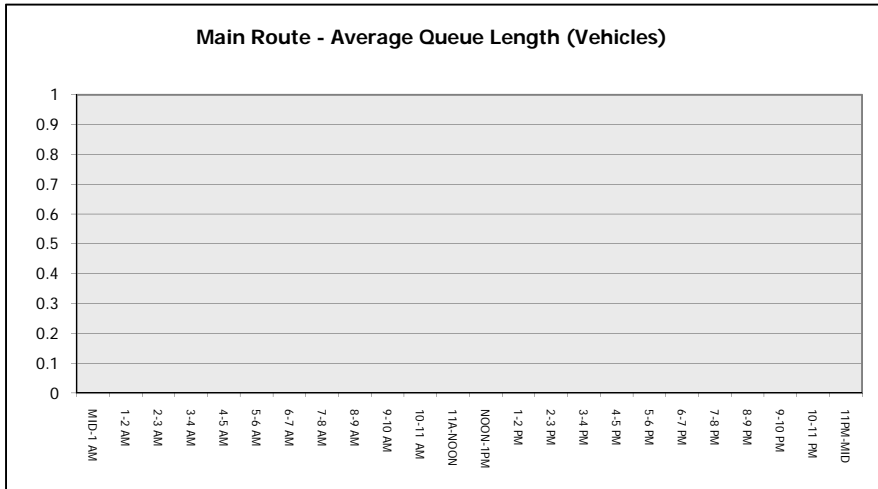
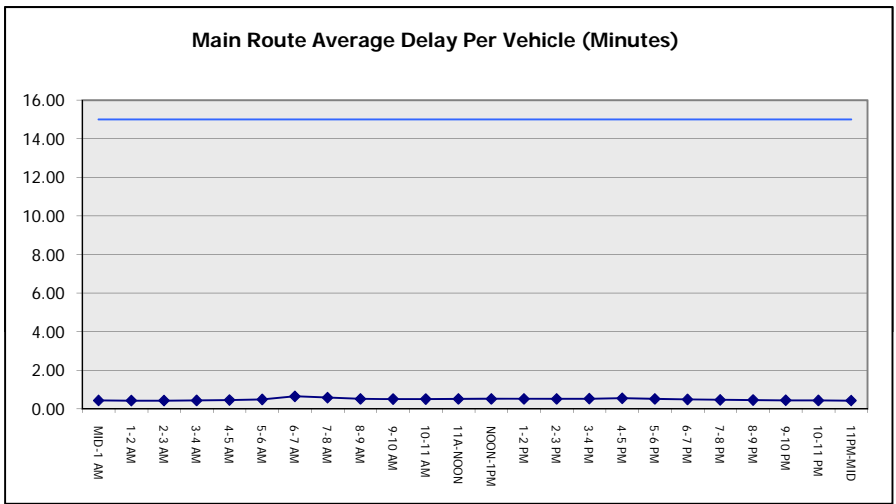
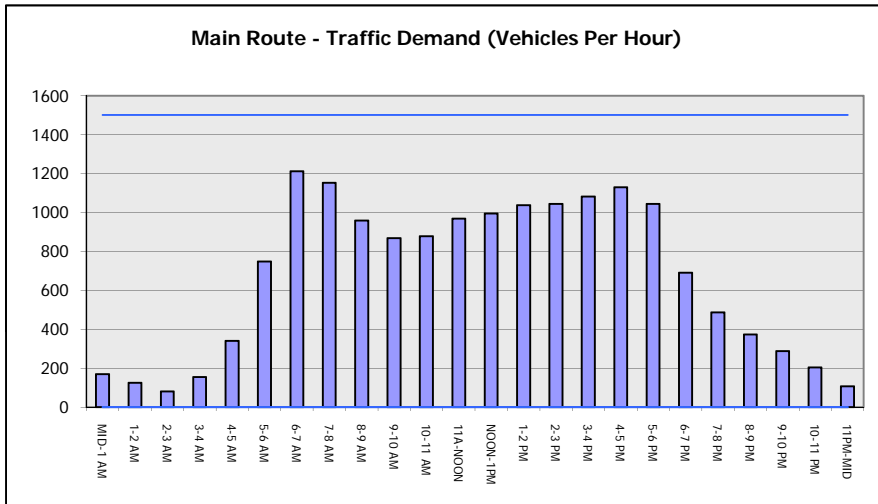
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,683
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 43: STH 42 TO STH 28 (SHEBOYGAN COUNTY)**  
**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: STH 28 - CTH TA - STH 23**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR SOUTHBOUND DIRECTION**



<b>IH 43: STH 42 TO STH 28 (SHEBOYGAN COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 28 - CTH TA - STH 23</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR      NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE SPEEDS IN MPH						
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	130	0.0	63	0.0	1500	130	0	63	0.44	0	66.1	55.8	45.0	24.3	24.3
1-2 AM	89	0.0	44	0.0	1500	89	0	44	0.43	0	66.2	56.0	45.1	24.5	24.5
2-3 AM	87	0.0	43	0.0	1500	87	0	43	0.43	0	66.2	56.0	45.1	24.5	24.5
3-4 AM	105	0.0	51	0.0	1500	105	0	51	0.43	0	66.2	55.9	45.1	24.5	24.5
4-5 AM	182	0.0	87	0.0	1500	182	0	87	0.44	0	66.1	55.6	44.8	24.2	24.2
5-6 AM	366	0.0	178	0.0	1500	366	0	178	0.46	0	65.7	55.1	44.0	23.5	23.5
6-7 AM	755	0.0	365	0.0	1500	755	0	365	0.50	0	65.0	53.8	42.5	22.0	22.0
7-8 AM	906	0.0	439	0.0	1500	906	0	439	0.51	0	64.7	53.4	42.0	21.5	21.5
8-9 AM	775	0.0	375	0.0	1500	775	0	375	0.50	0	65.0	53.8	42.5	22.0	22.0
9-10 AM	821	0.0	398	0.0	1500	821	0	398	0.50	0	64.8	53.7	42.3	21.8	21.8
10-11 AM	865	0.0	419	0.0	1500	865	0	419	0.51	0	64.8	53.5	42.2	21.6	21.6
11A-NOON	883	0.0	428	0.0	1500	883	0	428	0.51	0	64.8	53.5	42.1	21.5	21.5
NOON-1PM	885	0.0	428	0.0	1500	885	0	428	0.51	0	64.7	53.5	42.1	21.5	21.5
1-2 PM	908	0.0	440	0.0	1500	908	0	440	0.51	0	64.7	53.4	42.0	21.5	21.5
2-3 PM	1053	0.0	510	0.0	1500	1053	0	510	0.52	0	64.4	53.0	41.5	20.9	20.9
3-4 PM	1269	0.0	615	0.0	1500	1269	0	615	0.73	0	64.0	49.3	36.3	20.1	20.1
4-5 PM	1365	0.0	662	0.0	1500	1365	0	662	0.85	0	63.8	47.4	33.8	19.7	19.7
5-6 PM	1136	0.0	551	0.0	1500	1136	0	551	0.55	0	64.3	52.3	40.6	20.6	20.6
6-7 PM	758	0.0	367	0.0	1500	758	0	367	0.50	0	65.0	53.8	42.5	22.0	22.0
7-8 PM	570	0.0	277	0.0	1500	570	0	277	0.48	0	65.3	54.4	43.2	22.7	22.7
8-9 PM	491	0.0	237	0.0	1500	491	0	237	0.47	0	65.5	54.6	43.5	23.0	23.0
9-10 PM	424	0.0	206	0.0	1500	424	0	206	0.46	0	65.6	54.9	43.8	23.3	23.3
10-11 PM	277	0.0	134	0.0	1500	277	0	134	0.45	0	65.9	55.3	44.4	23.8	23.8
11PM-MID	162	0.0	78	0.0	1500	162	0	78	0.44	0	66.1	55.7	44.8	24.2	24.2

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0063
MAIN ROUTE WITH WORKS	0.0053
DIVERSION	0.0330

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,675
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: STH 28 - CTH TA - STH 23**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR NORTHBOUND DIRECTION**

