

<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>AUGUST</b>
	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		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	719	0.0	348	0.0	1500	719	0	348	0.49	0	65.0	54.0	42.7	22.2	22.2
1-2 AM	194	0.0	93	0.0	1500	194	0	93	0.44	0	66.0	55.6	44.7	24.1	24.1
2-3 AM	96	0.0	47	0.0	1500	96	0	47	0.43	0	66.2	56.0	45.1	24.5	24.5
3-4 AM	88	0.0	43	0.0	1500	88	0	43	0.43	0	66.2	56.0	45.1	24.5	24.5
4-5 AM	109	0.0	53	0.0	1500	109	0	53	0.43	0	66.2	55.9	45.1	24.4	24.4
5-6 AM	156	0.0	76	0.0	1500	156	0	76	0.44	0	66.1	55.8	44.8	24.3	24.3
6-7 AM	210	0.0	101	0.0	1500	210	0	101	0.44	0	66.0	55.6	44.6	24.0	24.0
7-8 AM	374	0.0	182	0.0	1500	374	0	182	0.46	0	65.7	55.0	44.0	23.5	23.5
8-9 AM	682	0.0	331	0.0	1500	682	0	331	0.49	0	65.1	54.1	42.8	22.3	22.3
9-10 AM	1078	0.0	521	0.0	1499	1078	0	521	0.56	0	64.4	52.2	40.4	20.9	20.9
10-11 AM	1527	0.0	740	0.0	1499	1527	0	740	1.48	17	63.5	39.6	31.7	19.2	19.2
11A-NOON	1957	0.0	948	0.0	1500	1793	164	1113	9.36	246	62.7	13.6	30.8	17.6	16.6
NOON-1PM	2050	0.0	993	0.0	1499	1531	518	1511+	14.89	375	62.6	10.1	30.8	17.2	14.1
1-2 PM	2195	0.0	1063	0.0	1500	1539	656	1719+	16.71	425	62.3	9.5	30.8	16.7	13.2
2-3 PM	2245	0.0	1088	0.0	1500	1500	745	1833+	17.07	434	62.2	9.4	30.8	16.5	13.0
3-4 PM	2228	0.0	1079	0.0	1500	1500	728	1807+	17.07	434	62.2	9.4	30.8	16.6	13.0
4-5 PM	2215	0.0	1073	0.0	1500	1500	715	1788+	17.07	434	62.3	9.4	30.8	16.6	13.0
5-6 PM	2061	0.0	998	0.0	1500	1437	623	1621+	16.12	408	62.5	9.7	30.8	17.2	13.5
6-7 PM	1673	0.0	811	0.0	1499	1374	299	1109	11.57	286	63.3	11.5	30.8	18.6	16.6
7-8 PM	1427	0.0	691	0.0	1500	1406	21	712	8.72	209	63.7	14.0	30.8	19.6	19.4
8-9 PM	1038	0.0	503	0.0	1500	1038	0	503	1.25	30	64.5	42.5	39.6	21.0	21.0
9-10 PM	635	0.0	307	0.0	1500	635	0	307	0.48	0	65.2	54.2	43.0	22.5	22.5
10-11 PM	385	0.0	187	0.0	1500	385	0	187	0.46	0	65.6	55.0	44.0	23.4	23.4
11PM-MID	207	0.0	100	0.0	1500	207	0	100	0.44	0	66.0	55.6	44.6	24.1	24.1

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0106
MAIN ROUTE WITH WORKS	0.0073
DIVERSION	0.0753

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$87,339
CONGESTED HOURS PER DAY*	5

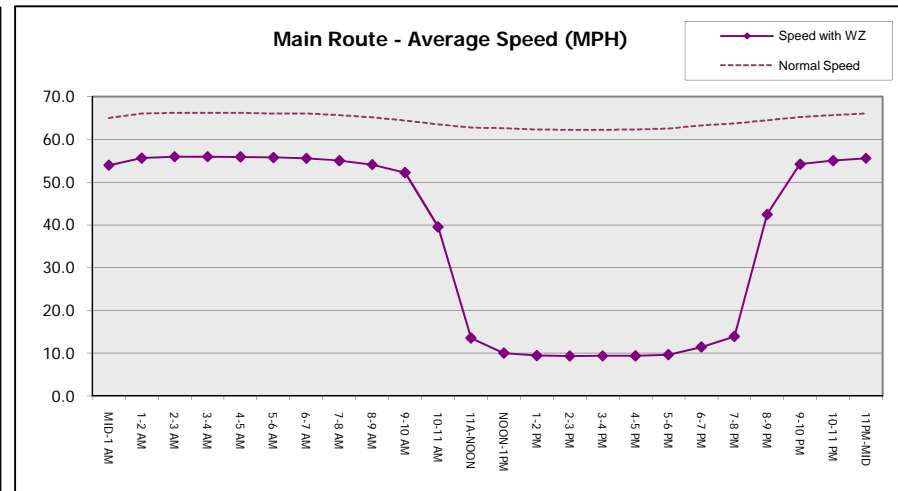
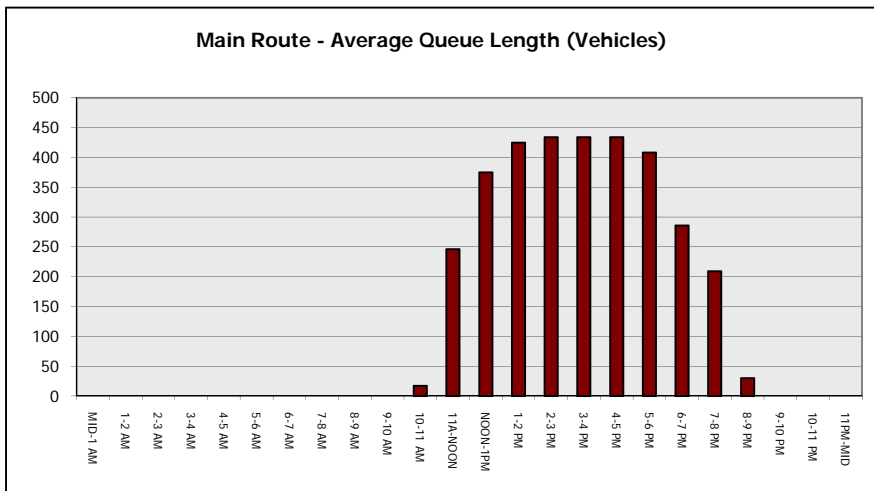
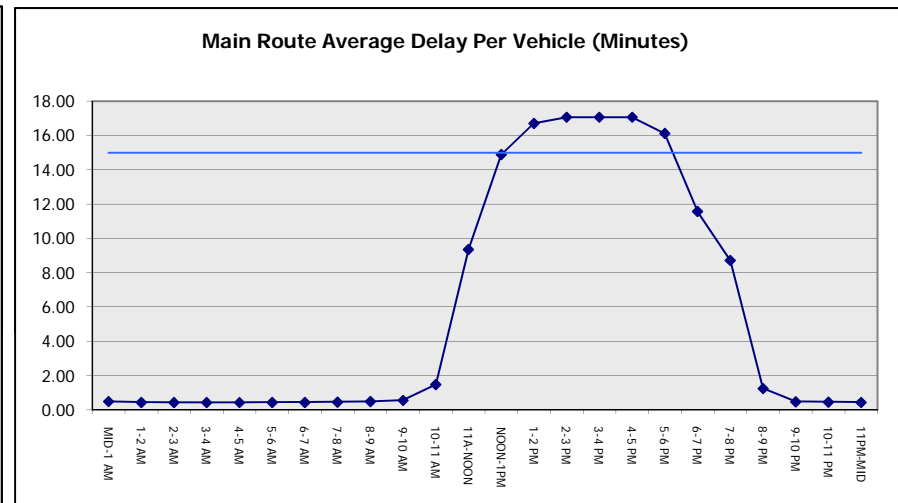
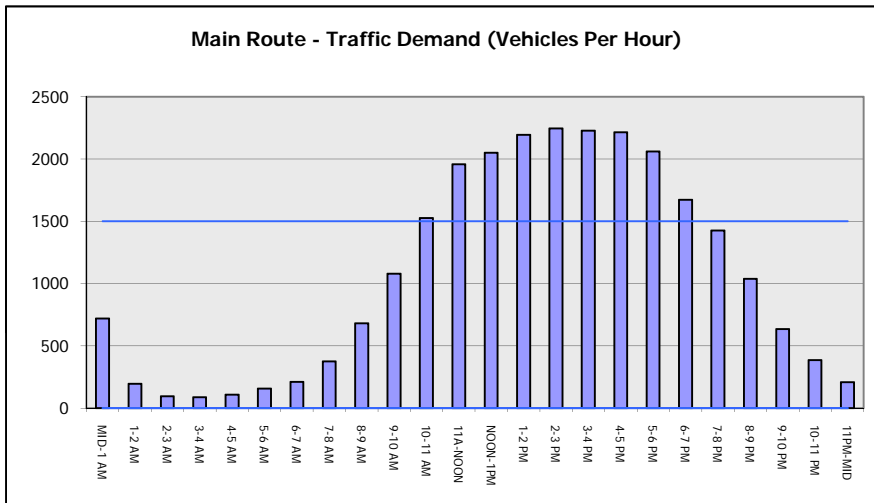
\*Delays Exceeding 15 Minutes

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

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

**SUNDAY 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>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	215	0.0	104	0.0	1500	215	0	104	0.44	0	66.0	55.6	44.6	24.0	24.0
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	60	0.0	28	0.0	1500	60	0	28	0.43	0	66.3	56.1	45.3	24.6	24.6
4-5 AM	74	0.0	36	0.0	1500	74	0	36	0.43	0	66.3	56.0	45.2	24.6	24.6
5-6 AM	114	0.0	55	0.0	1500	114	0	55	0.43	0	66.2	55.9	45.0	24.4	24.4
6-7 AM	180	0.0	87	0.0	1500	180	0	87	0.44	0	66.1	55.6	44.8	24.2	24.2
7-8 AM	301	0.0	146	0.0	1500	301	0	146	0.45	0	65.8	55.3	44.3	23.7	23.7
8-9 AM	517	0.0	251	0.0	1500	517	0	251	0.47	0	65.4	54.6	43.5	22.9	22.9
9-10 AM	813	0.0	394	0.0	1500	813	0	394	0.50	0	64.9	53.7	42.4	21.8	21.8
10-11 AM	1098	0.0	532	0.0	1500	1098	0	532	0.53	0	64.3	52.8	41.4	20.7	20.7
11A-NOON	1299	0.0	629	0.0	1500	1299	0	629	0.76	0	64.0	48.7	35.5	20.0	20.0
NOON-1PM	1318	0.0	638	0.0	1500	1318	0	638	0.79	0	63.9	48.3	35.0	19.9	19.9
1-2 PM	1311	0.0	635	0.0	1500	1311	0	635	0.78	0	64.0	48.4	35.2	20.0	20.0
2-3 PM	1256	0.0	609	0.0	1500	1256	0	609	0.71	0	64.0	49.6	36.8	20.2	20.2
3-4 PM	1184	0.0	573	0.0	1500	1184	0	573	0.62	0	64.1	51.2	38.9	20.4	20.4
4-5 PM	1179	0.0	571	0.0	1500	1179	0	571	0.61	0	64.2	51.3	39.1	20.4	20.4
5-6 PM	1161	0.0	563	0.0	1500	1161	0	563	0.59	0	64.2	51.7	39.7	20.5	20.5
6-7 PM	1066	0.0	516	0.0	1500	1066	0	516	0.53	0	64.4	52.9	41.4	20.9	20.9
7-8 PM	879	0.0	426	0.0	1500	879	0	426	0.51	0	64.8	53.5	42.1	21.5	21.5
8-9 PM	653	0.0	317	0.0	1500	653	0	317	0.49	0	65.1	54.2	42.9	22.4	22.4
9-10 PM	492	0.0	238	0.0	1500	492	0	238	0.47	0	65.5	54.6	43.5	23.0	23.0
10-11 PM	348	0.0	168	0.0	1500	348	0	168	0.46	0	65.8	55.1	44.1	23.5	23.5
11PM-MID	245	0.0	119	0.0	1500	245	0	119	0.45	0	66.0	55.5	44.5	23.9	23.9

*----- 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	0.0066
MAIN ROUTE WITH WORKS	0.0055
DIVERSION	0.0346

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$3,114
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**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY NORTHBOUND DIRECTION**

