

<b>IH 43: STH 42 TO STH 28 (SHEBOYGAN COUNTY)</b> <b>OFF-PEAK DAY 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**

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	149	0.0	72	0.0	OFF	149	0	72	0.00	0	66.1	66.1	66.1	24.3	24.3
1-2 AM	100	0.0	49	0.0	OFF	100	0	49	0.00	0	66.2	66.2	66.2	24.5	24.5
2-3 AM	68	0.0	33	0.0	OFF	68	0	33	0.00	0	66.3	66.3	66.3	24.6	24.6
3-4 AM	74	0.0	37	0.0	OFF	74	0	37	0.00	0	66.3	66.3	66.3	24.5	24.5
4-5 AM	102	0.0	50	0.0	OFF	102	0	50	0.00	0	66.2	66.2	66.2	24.5	24.5
5-6 AM	146	0.0	71	0.0	OFF	146	0	71	0.00	0	66.1	66.1	66.1	24.3	24.3
6-7 AM	224	0.0	109	0.0	OFF	224	0	109	0.00	0	66.0	66.0	66.0	24.0	24.0
7-8 AM	344	0.0	166	0.0	OFF	344	0	166	0.00	0	65.8	65.8	65.8	23.5	23.5
8-9 AM	580	0.0	281	0.0	OFF	580	0	281	0.00	0	65.3	65.3	65.3	22.7	22.7
9-10 AM	810	0.0	393	0.0	1500	810	0	393	0.50	0	64.9	53.7	42.4	21.8	21.8
10-11 AM	1195	0.0	579	0.0	1499	1195	0	579	0.64	0	64.1	50.9	38.6	20.4	20.4
11A-NOON	1556	0.0	754	0.0	1499	1556	0	754	1.50	15	63.5	39.4	30.9	19.1	19.1
NOON-1PM	1732	0.0	839	0.0	1500	1732	0	839	6.70	168	63.2	17.0	30.8	18.4	18.4
1-2 PM	1861	0.0	902	0.0	1499	1528	333	1235+	12.43	308	62.9	11.0	30.8	17.9	15.8
2-3 PM	1944	0.0	942	0.0	1499	1531	413	1355+	13.41	335	62.8	10.6	30.8	17.6	15.1
3-4 PM	2139	0.0	1037	0.0	1500	1583	556	1593+	15.78	400	62.4	9.7	30.8	16.9	13.7
4-5 PM	2242	0.0	1087	0.0	1499	1500	742	1829+	17.07	434	62.2	9.4	30.8	16.5	13.0
5-6 PM	2089	0.0	1013	0.0	1499	1453	636	1649+	16.43	417	62.5	9.6	30.8	17.1	13.3
6-7 PM	1846	0.0	894	0.0	1500	1390	455	1349+	13.40	336	63.0	10.6	30.8	18.0	15.2
7-8 PM	1124	0.0	545	0.0	OFF	1124	0	545	0.22	13	64.3	58.9	58.9	20.7	20.7
8-9 PM	777	0.0	376	0.0	OFF	777	0	376	0.00	0	65.0	65.0	65.0	22.0	22.0
9-10 PM	509	0.0	247	0.0	OFF	509	0	247	0.00	0	65.5	65.5	65.5	23.0	23.0
10-11 PM	270	0.0	131	0.0	OFF	270	0	131	0.00	0	65.9	65.9	65.9	23.8	23.8
11PM-MID	254	0.0	123	0.0	OFF	254	0	123	0.00	0	65.9	65.9	65.9	23.9	23.9

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.0091
MAIN ROUTE WITH WORKS	0.0069
DIVERSION	0.0619

PIA: Personal Injury Accidents

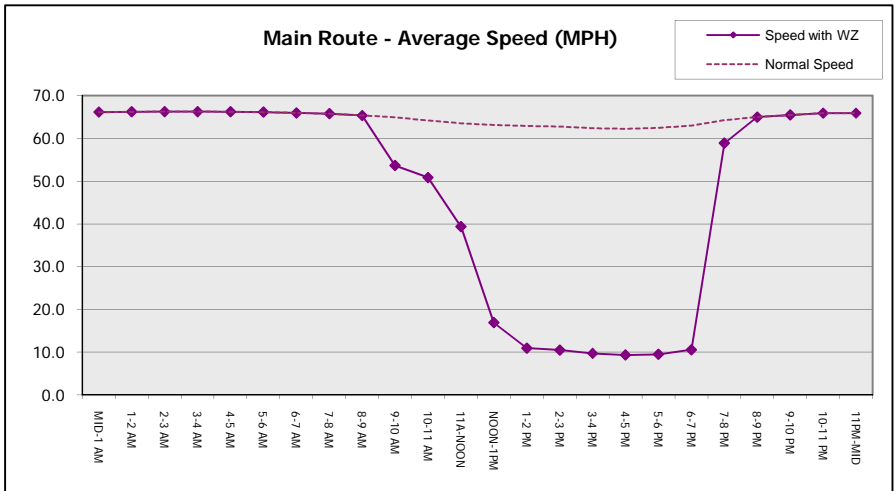
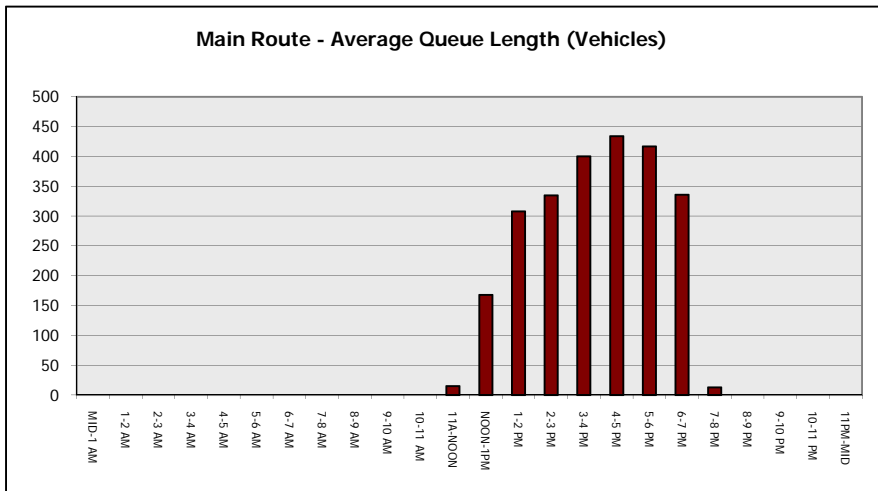
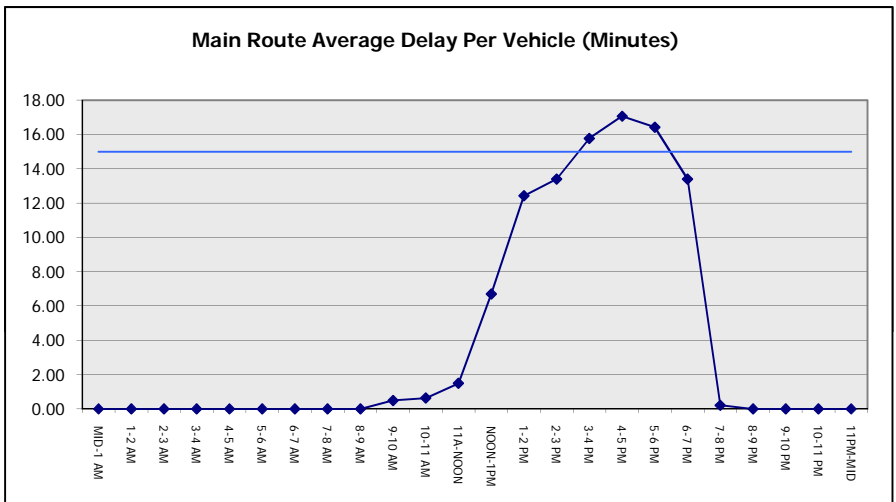
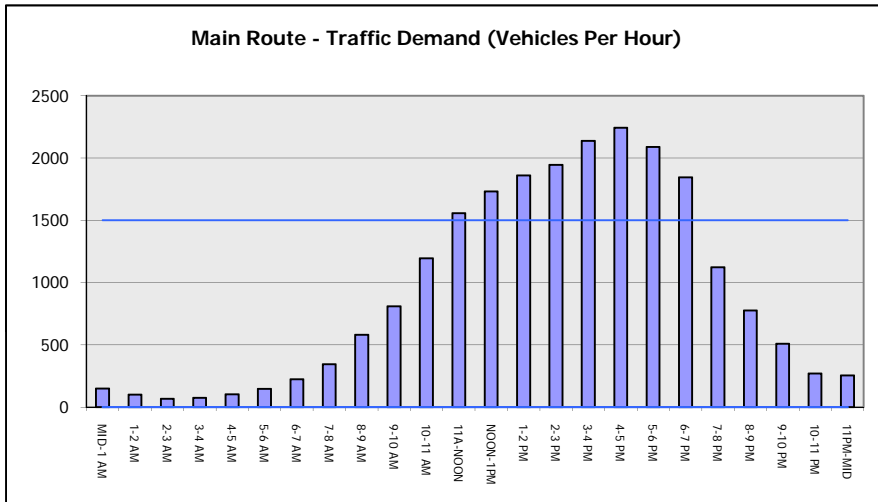
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$61,853
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding 15 Minutes

**IH 43: STH 42 TO STH 28 (SHEBOYGAN COUNTY)**  
**OFF-PEAK DAY CLOSURE**  
**DIVERSION ROUTE: STH 28 - CTH TA - STH 23**

**OCTOBER**  
 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) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 28 - CTH TA - STH 23</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
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	180	0.0	87	0.0	OFF	180	0	87	0.00	0	66.1	66.1	66.1	24.2	24.2
1-2 AM	107	0.0	52	0.0	OFF	107	0	52	0.00	0	66.2	66.2	66.2	24.5	24.5
2-3 AM	65	0.0	31	0.0	OFF	65	0	31	0.00	0	66.3	66.3	66.3	24.6	24.6
3-4 AM	69	0.0	33	0.0	OFF	69	0	33	0.00	0	66.3	66.3	66.3	24.6	24.6
4-5 AM	69	0.0	33	0.0	OFF	69	0	33	0.00	0	66.3	66.3	66.3	24.6	24.6
5-6 AM	115	0.0	56	0.0	OFF	115	0	56	0.00	0	66.2	66.2	66.2	24.4	24.4
6-7 AM	202	0.0	97	0.0	OFF	202	0	97	0.00	0	66.0	66.0	66.0	24.1	24.1
7-8 AM	481	0.0	233	0.0	OFF	481	0	233	0.00	0	65.5	65.5	65.5	23.0	23.0
8-9 AM	838	0.0	406	0.0	OFF	838	0	406	0.00	0	64.8	64.8	64.8	21.7	21.7
9-10 AM	915	0.0	443	0.0	1500	915	0	443	0.51	0	64.7	53.3	42.0	21.4	21.4
10-11 AM	974	0.0	472	0.0	1500	974	0	472	0.52	0	64.6	53.2	41.8	21.2	21.2
11A-NOON	1131	0.0	549	0.0	1500	1131	0	549	0.55	0	64.3	52.4	40.8	20.6	20.6
NOON-1PM	1223	0.0	593	0.0	1500	1223	0	593	0.67	0	64.1	50.3	37.8	20.3	20.3
1-2 PM	1225	0.0	594	0.0	1500	1225	0	594	0.67	0	64.1	50.3	37.7	20.3	20.3
2-3 PM	1299	0.0	629	0.0	1500	1299	0	629	0.76	0	64.0	48.7	35.5	20.0	20.0
3-4 PM	1391	0.0	675	0.0	1500	1391	0	675	0.88	0	63.8	46.8	33.2	19.7	19.7
4-5 PM	1251	0.0	607	0.0	1500	1251	0	607	0.70	0	64.0	49.7	36.9	20.2	20.2
5-6 PM	1069	0.0	518	0.0	1500	1069	0	518	0.53	0	64.4	52.9	41.4	20.9	20.9
6-7 PM	875	0.0	424	0.0	1500	875	0	424	0.51	0	64.8	53.5	42.1	21.6	21.6
7-8 PM	747	0.0	362	0.0	OFF	747	0	362	0.00	0	65.0	65.0	65.0	22.0	22.0
8-9 PM	505	0.0	246	0.0	OFF	505	0	246	0.00	0	65.5	65.5	65.5	23.0	23.0
9-10 PM	345	0.0	167	0.0	OFF	345	0	167	0.00	0	65.8	65.8	65.8	23.5	23.5
10-11 PM	262	0.0	127	0.0	OFF	262	0	127	0.00	0	65.9	65.9	65.9	23.8	23.8
11PM-MID	176	0.0	85	0.0	OFF	176	0	85	0.00	0	66.1	66.1	66.1	24.2	24.2

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0064
MAIN ROUTE WITH WORKS	0.0057
DIVERSION	0.0336

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,319
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**OFF-PEAK DAY CLOSURE**  
**DIVERSION ROUTE: STH 28 - CTH TA - STH 23**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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

