

IH 43: STH 42 TO STH 28 (SHEBOYGAN COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 28 - CTH TA - STH 23	AUGUST
	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	OFF	719	0	348	0.00	0	65.0	65.0	65.0	22.2	22.2
1-2 AM	194	0.0	93	0.0	OFF	194	0	93	0.00	0	66.0	66.0	66.0	24.1	24.1
2-3 AM	96	0.0	47	0.0	OFF	96	0	47	0.00	0	66.2	66.2	66.2	24.5	24.5
3-4 AM	88	0.0	43	0.0	OFF	88	0	43	0.00	0	66.2	66.2	66.2	24.5	24.5
4-5 AM	109	0.0	53	0.0	OFF	109	0	53	0.00	0	66.2	66.2	66.2	24.4	24.4
5-6 AM	156	0.0	76	0.0	OFF	156	0	76	0.00	0	66.1	66.1	66.1	24.3	24.3
6-7 AM	210	0.0	101	0.0	OFF	210	0	101	0.00	0	66.0	66.0	66.0	24.0	24.0
7-8 AM	374	0.0	182	0.0	OFF	374	0	182	0.00	0	65.7	65.7	65.7	23.5	23.5
8-9 AM	682	0.0	331	0.0	OFF	682	0	331	0.00	0	65.1	65.1	65.1	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	OFF	1427	0	691	0.19	11	63.7	59.1	59.1	19.6	19.6
8-9 PM	1038	0.0	503	0.0	OFF	1038	0	503	0.00	0	64.5	64.5	64.5	21.0	21.0
9-10 PM	635	0.0	307	0.0	OFF	635	0	307	0.00	0	65.2	65.2	65.2	22.5	22.5
10-11 PM	385	0.0	187	0.0	OFF	385	0	187	0.00	0	65.6	65.6	65.6	23.4	23.4
11PM-MID	207	0.0	100	0.0	OFF	207	0	100	0.00	0	66.0	66.0	66.0	24.1	24.1

"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	0.0106
MAIN ROUTE WITH WORKS	0.0077
DIVERSION	0.0752

PIA: Personal Injury Accidents

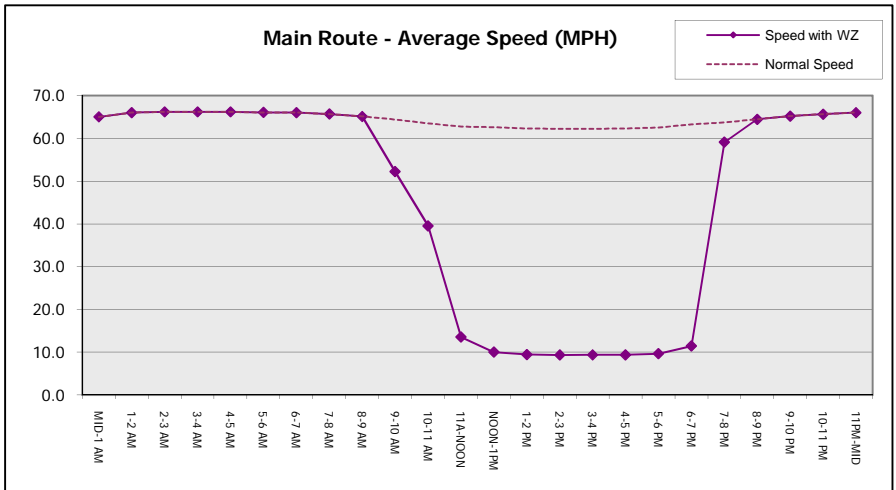
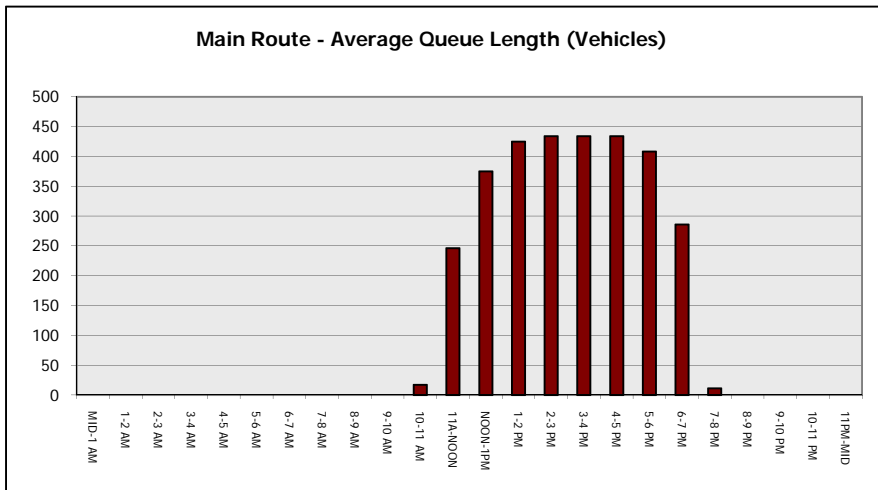
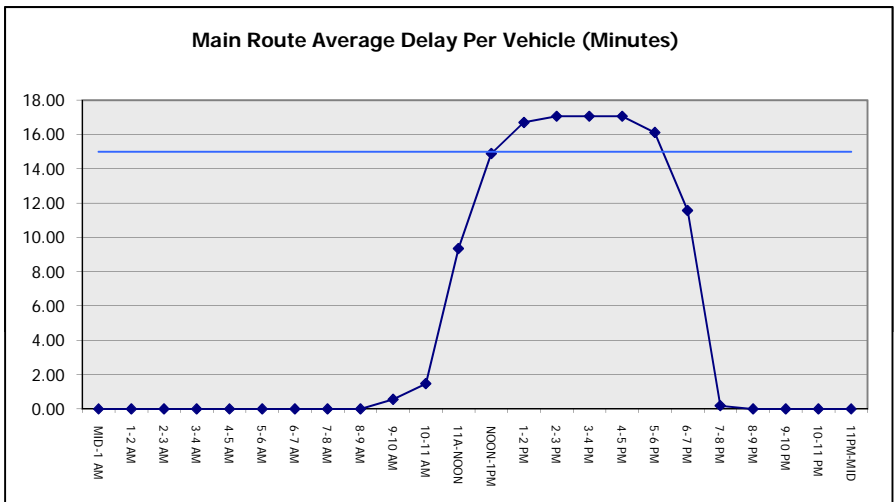
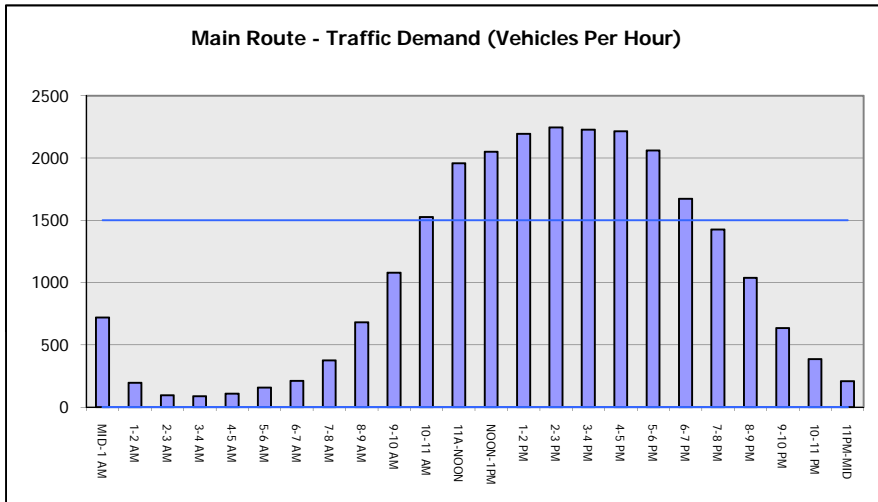
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$82,562
CONGESTED HOURS PER DAY*	5

*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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



IH 43: STH 42 TO STH 28 (SHEBOYGAN COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 28 - CTH TA - STH 23	AUGUST
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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	OFF	215	0	104	0.00	0	66.0	66.0	66.0	24.0	24.0
1-2 AM	125	0.0	61	0.0	OFF	125	0	61	0.00	0	66.1	66.1	66.1	24.3	24.3
2-3 AM	80	0.0	39	0.0	OFF	80	0	39	0.00	0	66.3	66.3	66.3	24.5	24.5
3-4 AM	60	0.0	28	0.0	OFF	60	0	28	0.00	0	66.3	66.3	66.3	24.6	24.6
4-5 AM	74	0.0	36	0.0	OFF	74	0	36	0.00	0	66.3	66.3	66.3	24.6	24.6
5-6 AM	114	0.0	55	0.0	OFF	114	0	55	0.00	0	66.2	66.2	66.2	24.4	24.4
6-7 AM	180	0.0	87	0.0	OFF	180	0	87	0.00	0	66.1	66.1	66.1	24.2	24.2
7-8 AM	301	0.0	146	0.0	OFF	301	0	146	0.00	0	65.8	65.8	65.8	23.7	23.7
8-9 AM	517	0.0	251	0.0	OFF	517	0	251	0.00	0	65.4	65.4	65.4	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	OFF	879	0	426	0.00	0	64.8	64.8	64.8	21.5	21.5
8-9 PM	653	0.0	317	0.0	OFF	653	0	317	0.00	0	65.1	65.1	65.1	22.4	22.4
9-10 PM	492	0.0	238	0.0	OFF	492	0	238	0.00	0	65.5	65.5	65.5	23.0	23.0
10-11 PM	348	0.0	168	0.0	OFF	348	0	168	0.00	0	65.8	65.8	65.8	23.5	23.5
11PM-MID	245	0.0	119	0.0	OFF	245	0	119	0.00	0	66.0	66.0	66.0	23.9	23.9

"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	0.0066
MAIN ROUTE WITH WORKS	0.0058
DIVERSION	0.0346

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,468
CONGESTED HOURS PER DAY*	0

*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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY NORTHBOUND DIRECTION

