

IH 43: STH 42 TO STH 28 (SHEBOYGAN COUNTY) NIGHTTIME 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	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	OFF	1078	0	521	0.00	0	64.4	64.4	64.4	20.9	20.9
10-11 AM	1527	0.0	740	0.0	OFF	1527	0	740	0.00	0	63.5	63.5	63.5	19.2	19.2
11A-NOON	1957	0.0	948	0.0	OFF	1957	0	948	0.00	0	62.7	62.7	62.7	17.6	17.6
NOON-1PM	2050	0.0	993	0.0	OFF	2050	0	993	0.00	0	62.6	62.6	62.6	17.2	17.2
1-2 PM	2195	0.0	1063	0.0	OFF	2195	0	1063	0.00	0	62.3	62.3	62.3	16.7	16.7
2-3 PM	2245	0.0	1088	0.0	OFF	2245	0	1088	0.00	0	62.2	62.2	62.2	16.5	16.5
3-4 PM	2228	0.0	1079	0.0	OFF	2228	0	1079	0.00	0	62.2	62.2	62.2	16.6	16.6
4-5 PM	2215	0.0	1073	0.0	OFF	2215	0	1073	0.00	0	62.3	62.3	62.3	16.6	16.6
5-6 PM	2061	0.0	998	0.0	OFF	2061	0	998	0.00	0	62.5	62.5	62.5	17.2	17.2
6-7 PM	1673	0.0	811	0.0	OFF	1673	0	811	0.00	0	63.3	63.3	63.3	18.6	18.6
7-8 PM	1427	0.0	691	0.0	1499	1427	0	691	0.95	0	63.7	45.9	32.5	19.6	19.6
8-9 PM	1038	0.0	503	0.0	1500	1038	0	503	0.52	0	64.5	53.0	41.5	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

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

----- 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	0.0101
DIVERSION	0.0553

PIA: Personal Injury Accidents

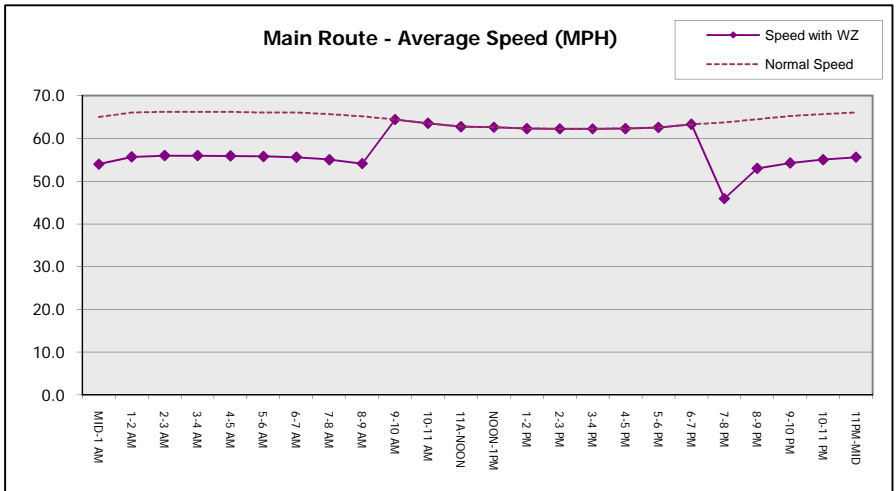
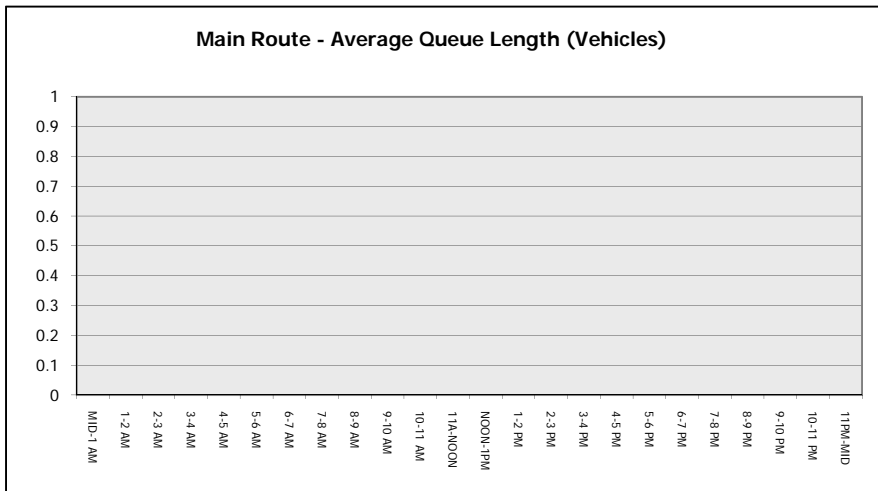
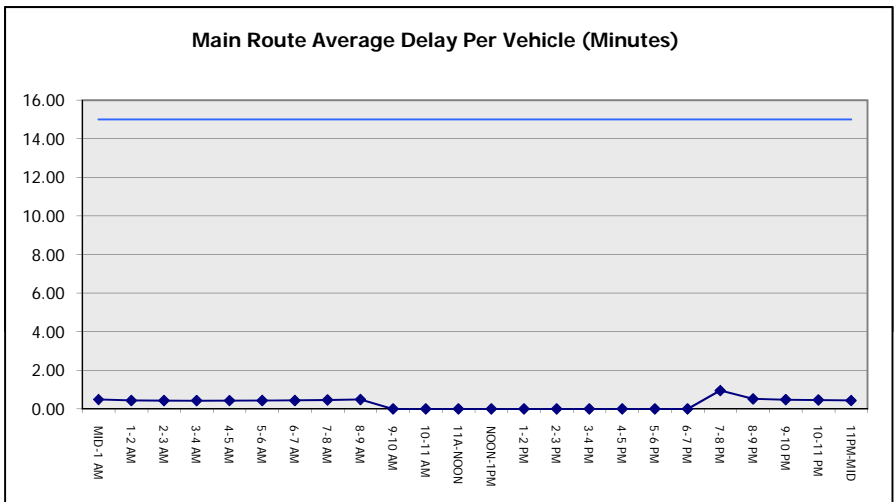
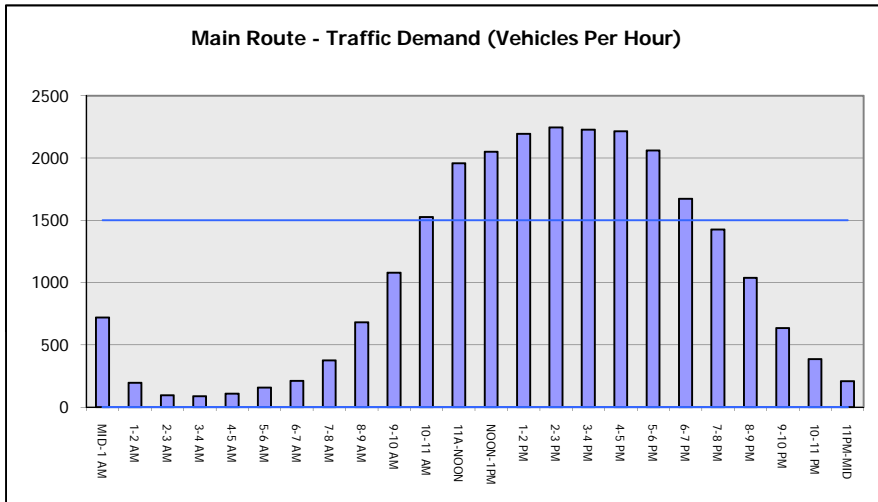
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$892
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 43: STH 42 TO STH 28 (SHEBOYGAN COUNTY)
NIGHTTIME 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) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 28 - CTH TA - STH 23	AUGUST
	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	OFF	813	0	394	0.00	0	64.9	64.9	64.9	21.8	21.8
10-11 AM	1098	0.0	532	0.0	OFF	1098	0	532	0.00	0	64.3	64.3	64.3	20.7	20.7
11A-NOON	1299	0.0	629	0.0	OFF	1299	0	629	0.00	0	64.0	64.0	64.0	20.0	20.0
NOON-1PM	1318	0.0	638	0.0	OFF	1318	0	638	0.00	0	63.9	63.9	63.9	19.9	19.9
1-2 PM	1311	0.0	635	0.0	OFF	1311	0	635	0.00	0	64.0	64.0	64.0	20.0	20.0
2-3 PM	1256	0.0	609	0.0	OFF	1256	0	609	0.00	0	64.0	64.0	64.0	20.2	20.2
3-4 PM	1184	0.0	573	0.0	OFF	1184	0	573	0.00	0	64.1	64.1	64.1	20.4	20.4
4-5 PM	1179	0.0	571	0.0	OFF	1179	0	571	0.00	0	64.2	64.2	64.2	20.4	20.4
5-6 PM	1161	0.0	563	0.0	OFF	1161	0	563	0.00	0	64.2	64.2	64.2	20.5	20.5
6-7 PM	1066	0.0	516	0.0	OFF	1066	0	516	0.00	0	64.4	64.4	64.4	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

"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	0.0063
DIVERSION	0.0346

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$487
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**IH 43: STH 42 TO STH 28 (SHEBOYGAN COUNTY)
 NIGHTTIME 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

