

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

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	205	0.0	99	0.0	1500	205	0	99	0.44	0	66.0	55.6	44.6	24.1	24.1
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	90	0.0	44	0.0	1500	90	0	44	0.43	0	66.2	56.0	45.1	24.5	24.5
3-4 AM	123	0.0	60	0.0	1500	123	0	60	0.43	0	66.1	55.8	45.0	24.4	24.4
4-5 AM	294	0.0	143	0.0	1500	294	0	143	0.45	0	65.8	55.3	44.3	23.7	23.7
5-6 AM	528	0.0	256	0.0	1500	528	0	256	0.47	0	65.4	54.5	43.4	22.9	22.9
6-7 AM	980	0.0	475	0.0	1500	980	0	475	0.52	0	64.6	53.2	41.7	21.2	21.2
7-8 AM	1097	0.0	532	0.0	1500	1097	0	532	0.53	0	64.3	52.8	41.4	20.7	20.7
8-9 AM	973	0.0	472	0.0	1500	973	0	472	0.52	0	64.6	53.2	41.8	21.2	21.2
9-10 AM	1051	0.0	509	0.0	1500	1051	0	509	0.52	0	64.4	53.0	41.5	20.9	20.9
10-11 AM	1101	0.0	534	0.0	1500	1101	0	534	0.53	0	64.3	52.8	41.3	20.7	20.7
11A-NOON	1207	0.0	585	0.0	1500	1207	0	585	0.65	0	64.1	50.7	38.2	20.4	20.4
NOON-1PM	1309	0.0	634	0.0	1500	1309	0	634	0.78	0	64.0	48.5	35.3	20.0	20.0
1-2 PM	1337	0.0	648	0.0	1500	1337	0	648	0.81	0	63.9	47.9	34.5	19.9	19.9
2-3 PM	1389	0.0	674	0.0	1500	1389	0	674	0.88	0	63.8	46.9	33.2	19.7	19.7
3-4 PM	1404	0.0	681	0.0	1500	1404	0	681	0.90	0	63.8	46.6	32.9	19.6	19.6
4-5 PM	1465	0.0	710	0.0	1500	1465	0	710	0.98	0	63.7	45.5	31.5	19.4	19.4
5-6 PM	1395	0.0	676	0.0	1500	1395	0	676	0.89	0	63.8	46.8	33.1	19.7	19.7
6-7 PM	1051	0.0	509	0.0	1500	1051	0	509	0.52	0	64.4	53.0	41.5	20.9	20.9
7-8 PM	757	0.0	366	0.0	1500	757	0	366	0.50	0	65.0	53.8	42.5	22.0	22.0
8-9 PM	571	0.0	277	0.0	1500	571	0	277	0.48	0	65.3	54.4	43.2	22.7	22.7
9-10 PM	487	0.0	235	0.0	1500	487	0	235	0.47	0	65.5	54.7	43.5	23.0	23.0
10-11 PM	361	0.0	175	0.0	1500	361	0	175	0.46	0	65.7	55.1	44.0	23.5	23.5
11PM-MID	246	0.0	119	0.0	1500	246	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 (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	0.0081
MAIN ROUTE WITH WORKS	0.0068
DIVERSION	0.0422

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,337
CONGESTED HOURS PER DAY*	0

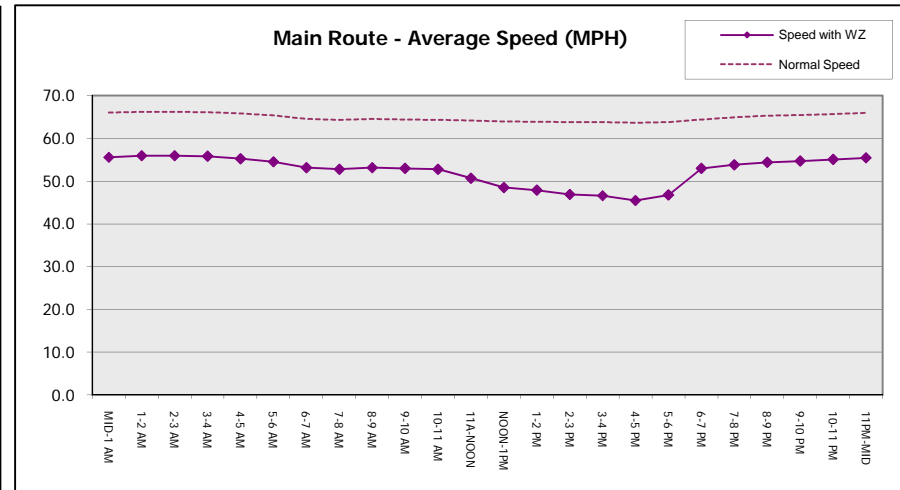
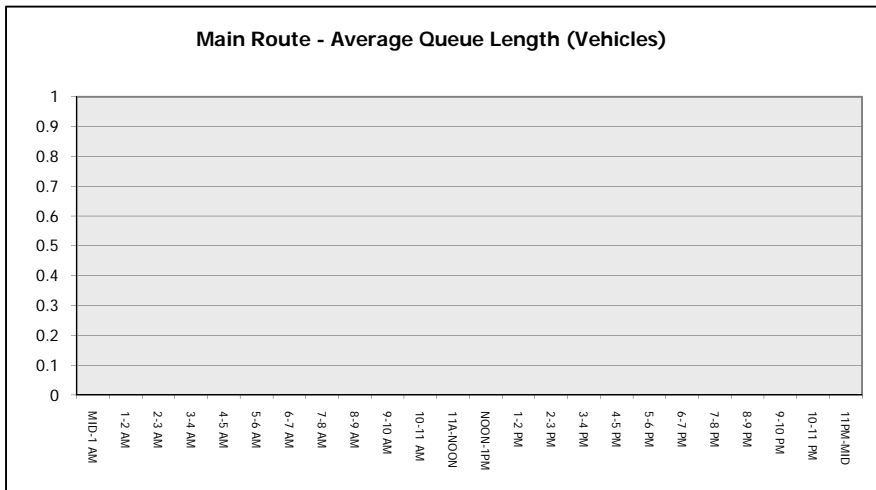
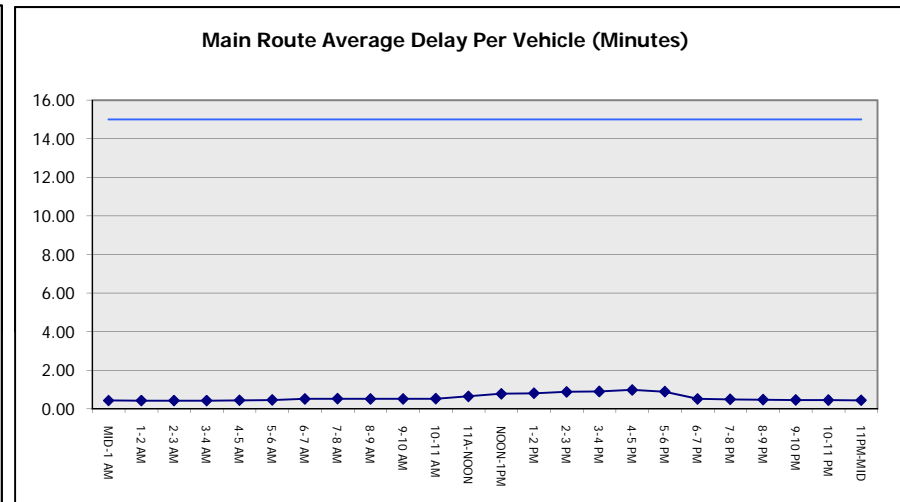
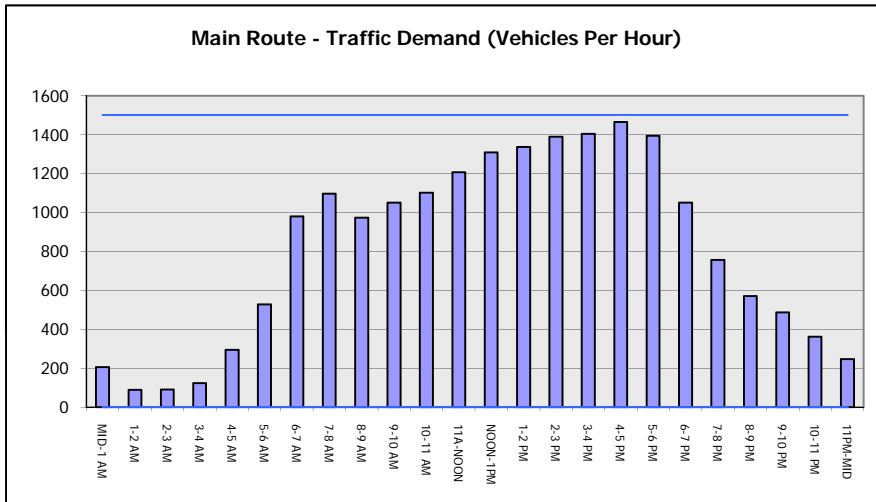
*Delays Exceeding 15 Minutes

**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

FRIDAY SOUTHBOUND DIRECTION



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

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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		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	241	0.0	117	0.0	1500	241	0	117	0.45	0	66.0	55.5	44.5	24.0	24.0
1-2 AM	157	0.0	76	0.0	1500	157	0	76	0.44	0	66.1	55.8	44.8	24.3	24.3
2-3 AM	111	0.0	54	0.0	1500	111	0	54	0.43	0	66.2	55.9	45.0	24.4	24.4
3-4 AM	121	0.0	59	0.0	1500	121	0	59	0.43	0	66.1	55.8	45.0	24.4	24.4
4-5 AM	196	0.0	95	0.0	1500	196	0	95	0.44	0	66.0	55.6	44.7	24.1	24.1
5-6 AM	348	0.0	168	0.0	1500	348	0	168	0.46	0	65.8	55.1	44.1	23.5	23.5
6-7 AM	688	0.0	333	0.0	1500	688	0	333	0.49	0	65.1	54.0	42.8	22.3	22.3
7-8 AM	1004	0.0	487	0.0	1500	1004	0	487	0.52	0	64.5	53.1	41.7	21.1	21.1
8-9 AM	981	0.0	476	0.0	1500	981	0	476	0.52	0	64.6	53.2	41.7	21.2	21.2
9-10 AM	1231	0.0	596	0.0	1500	1231	0	596	0.68	0	64.1	50.1	37.5	20.2	20.2
10-11 AM	1420	0.0	688	0.0	1499	1420	0	688	0.92	0	63.7	46.3	32.5	19.6	19.6
11A-NOON	1637	0.0	793	0.0	1499	1637	0	793	2.98	60	63.3	28.6	30.8	18.8	18.8
NOON-1PM	1667	0.0	807	0.0	1499	1629	38	846	8.62	209	63.3	14.0	30.8	18.6	18.4
1-2 PM	1749	0.0	848	0.0	1499	1526	224	1072	11.28	277	63.2	11.6	30.8	18.3	16.8
2-3 PM	1962	0.0	951	0.0	1500	1571	391	1341+	13.30	332	62.7	10.6	30.8	17.6	15.2
3-4 PM	2136	0.0	1035	0.0	1500	1569	567	1601+	15.87	402	62.4	9.7	30.8	16.9	13.6
4-5 PM	2217	0.0	1074	0.0	1499	1500	717	1791+	17.07	434	62.2	9.4	30.8	16.6	13.0
5-6 PM	2120	0.0	1027	0.0	1500	1469	651	1677+	16.69	424	62.4	9.5	30.8	17.0	13.2
6-7 PM	1843	0.0	893	0.0	1499	1385	458	1351+	13.41	336	63.0	10.6	30.8	18.0	15.1
7-8 PM	1419	0.0	688	0.0	1500	1357	63	751	8.81	213	63.7	13.8	30.8	19.6	19.1
8-9 PM	1161	0.0	562	0.0	1499	1161	0	562	1.49	36	64.2	39.7	37.8	20.6	20.6
9-10 PM	930	0.0	450	0.0	1500	930	0	450	0.51	0	64.6	53.3	41.9	21.4	21.4
10-11 PM	742	0.0	359	0.0	1500	742	0	359	0.49	0	65.0	53.9	42.6	22.1	22.1
11PM-MID	475	0.0	230	0.0	1500	475	0	230	0.47	0	65.5	54.7	43.6	23.1	23.1

+ 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	0.0110
MAIN ROUTE WITH WORKS	0.0081
DIVERSION	0.0714

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$55,145
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

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

AUGUST
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

