

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

MON-THUR 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	109	0.0	53	0.0	1500	109	0	53	0.43	0	66.2	55.9	45.1	24.4	24.4
1-2 AM	78	0.0	38	0.0	1500	78	0	38	0.43	0	66.3	56.0	45.2	24.5	24.5
2-3 AM	77	0.0	38	0.0	1500	77	0	38	0.43	0	66.3	56.0	45.2	24.5	24.5
3-4 AM	158	0.0	77	0.0	1500	158	0	77	0.44	0	66.1	55.8	44.8	24.2	24.2
4-5 AM	365	0.0	178	0.0	1500	365	0	178	0.46	0	65.7	55.1	44.0	23.5	23.5
5-6 AM	738	0.0	357	0.0	1500	738	0	357	0.49	0	65.0	53.9	42.6	22.1	22.1
6-7 AM	1150	0.0	557	0.0	1500	1150	0	557	0.57	0	64.3	52.0	40.1	20.6	20.6
7-8 AM	1169	0.0	566	0.0	1500	1169	0	566	0.60	0	64.2	51.5	39.5	20.5	20.5
8-9 AM	1020	0.0	494	0.0	1500	1020	0	494	0.52	0	64.5	53.0	41.6	21.1	21.1
9-10 AM	976	0.0	473	0.0	1500	976	0	473	0.52	0	64.6	53.2	41.7	21.2	21.2
10-11 AM	1035	0.0	501	0.0	1500	1035	0	501	0.52	0	64.5	53.0	41.5	21.0	21.0
11A-NOON	1106	0.0	536	0.0	1500	1106	0	536	0.53	0	64.3	52.8	41.3	20.7	20.7
NOON-1PM	1132	0.0	549	0.0	1500	1132	0	549	0.55	0	64.3	52.4	40.7	20.6	20.6
1-2 PM	1154	0.0	559	0.0	1500	1154	0	559	0.58	0	64.2	51.9	40.0	20.6	20.6
2-3 PM	1185	0.0	574	0.0	1500	1185	0	574	0.62	0	64.1	51.2	38.9	20.4	20.4
3-4 PM	1185	0.0	574	0.0	1500	1185	0	574	0.62	0	64.1	51.2	38.9	20.4	20.4
4-5 PM	1249	0.0	605	0.0	1500	1249	0	605	0.70	0	64.1	49.7	36.9	20.2	20.2
5-6 PM	1166	0.0	565	0.0	1500	1166	0	565	0.59	0	64.2	51.6	39.6	20.5	20.5
6-7 PM	808	0.0	392	0.0	1500	808	0	392	0.50	0	64.9	53.7	42.4	21.9	21.9
7-8 PM	602	0.0	291	0.0	1500	602	0	291	0.48	0	65.3	54.3	43.1	22.6	22.6
8-9 PM	485	0.0	235	0.0	1500	485	0	235	0.47	0	65.5	54.7	43.6	23.0	23.0
9-10 PM	386	0.0	187	0.0	1500	386	0	187	0.46	0	65.6	55.0	44.0	23.4	23.4
10-11 PM	280	0.0	136	0.0	1500	280	0	136	0.45	0	65.9	55.3	44.3	23.8	23.8
11PM-MID	148	0.0	72	0.0	1500	148	0	72	0.44	0	66.1	55.8	44.9	24.3	24.3

----- 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	0.0073
MAIN ROUTE WITH WORKS	0.0062
DIVERSION	0.0384

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,994
CONGESTED HOURS PER DAY*	0

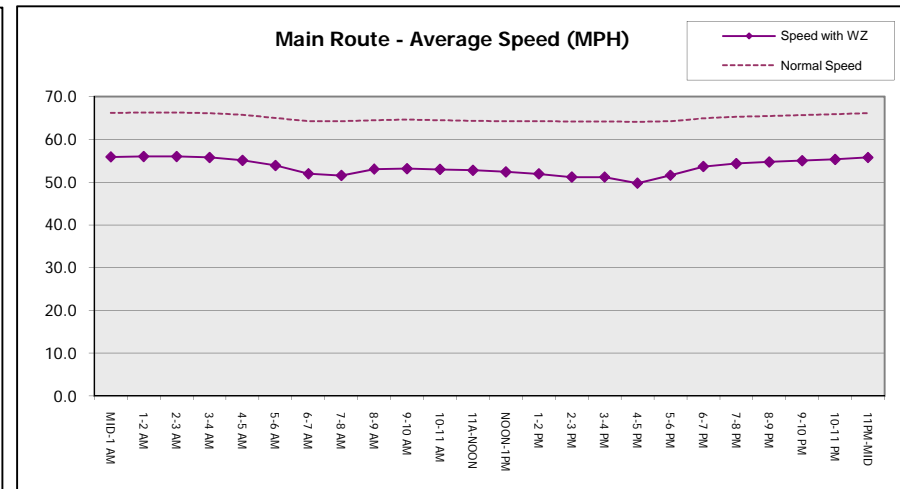
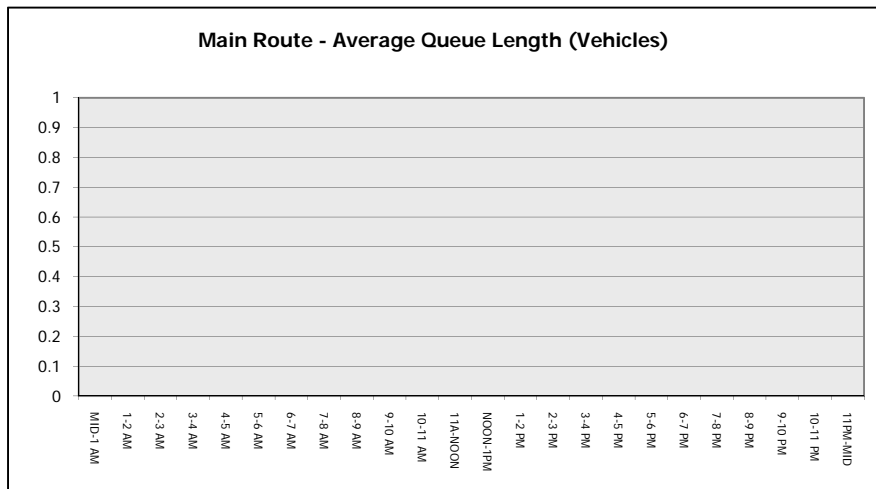
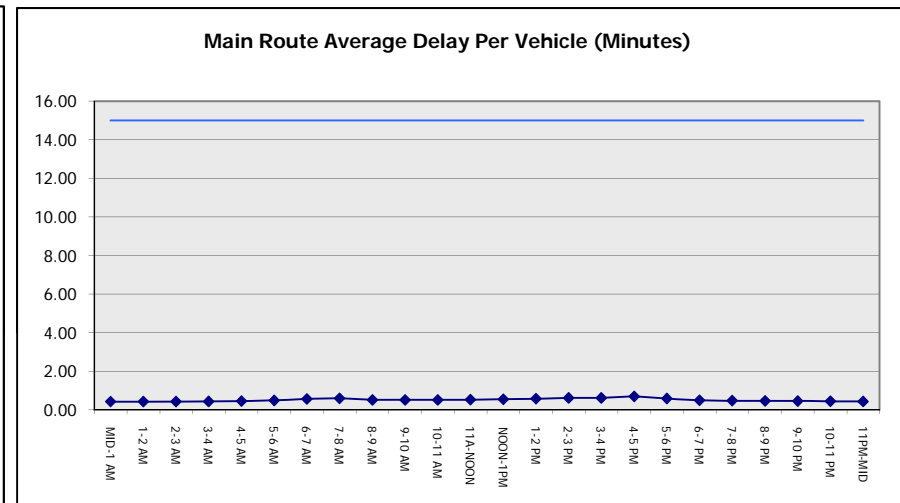
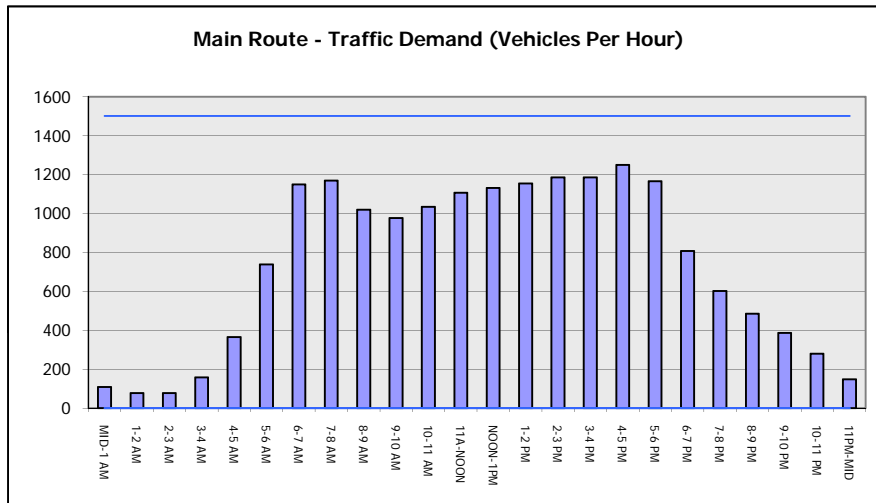
*Delays Exceeding 15 Minutes

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

MON-THUR 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

MON-THUR 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	188	0.0	91	0.0	1500	188	0	91	0.44	0	66.0	55.6	44.7	24.2	24.2
1-2 AM	113	0.0	55	0.0	1500	113	0	55	0.43	0	66.2	55.9	45.0	24.4	24.4
2-3 AM	92	0.0	45	0.0	1500	92	0	45	0.43	0	66.2	56.0	45.1	24.5	24.5
3-4 AM	111	0.0	54	0.0	1500	111	0	54	0.43	0	66.2	55.9	45.0	24.4	24.4
4-5 AM	193	0.0	93	0.0	1500	193	0	93	0.44	0	66.0	55.6	44.7	24.1	24.1
5-6 AM	394	0.0	191	0.0	1500	394	0	191	0.46	0	65.6	55.0	43.9	23.3	23.3
6-7 AM	786	0.0	381	0.0	1500	786	0	381	0.50	0	64.9	53.8	42.4	21.9	21.9
7-8 AM	926	0.0	449	0.0	1500	926	0	449	0.51	0	64.6	53.3	41.9	21.4	21.4
8-9 AM	882	0.0	427	0.0	1500	882	0	427	0.51	0	64.8	53.5	42.1	21.5	21.5
9-10 AM	946	0.0	459	0.0	1500	946	0	459	0.51	0	64.6	53.3	41.9	21.3	21.3
10-11 AM	1097	0.0	532	0.0	1500	1097	0	532	0.53	0	64.3	52.8	41.4	20.7	20.7
11A-NOON	1097	0.0	532	0.0	1500	1097	0	532	0.53	0	64.3	52.8	41.4	20.7	20.7
NOON-1PM	1092	0.0	530	0.0	1500	1092	0	530	0.53	0	64.3	52.8	41.4	20.8	20.8
1-2 PM	1148	0.0	556	0.0	1500	1148	0	556	0.57	0	64.3	52.0	40.2	20.6	20.6
2-3 PM	1260	0.0	611	0.0	1500	1260	0	611	0.71	0	64.0	49.5	36.6	20.2	20.2
3-4 PM	1426	0.0	691	0.0	1500	1426	0	691	0.93	0	63.7	46.2	32.4	19.6	19.6
4-5 PM	1463	0.0	709	0.0	1500	1463	0	709	0.98	0	63.7	45.5	31.5	19.4	19.4
5-6 PM	1295	0.0	628	0.0	1500	1295	0	628	0.76	0	64.0	48.7	35.6	20.0	20.0
6-7 PM	887	0.0	430	0.0	1500	887	0	430	0.51	0	64.7	53.5	42.1	21.5	21.5
7-8 PM	687	0.0	333	0.0	1500	687	0	333	0.49	0	65.1	54.0	42.8	22.3	22.3
8-9 PM	595	0.0	288	0.0	1500	595	0	288	0.48	0	65.3	54.3	43.2	22.6	22.6
9-10 PM	495	0.0	240	0.0	1500	495	0	240	0.47	0	65.5	54.6	43.5	23.0	23.0
10-11 PM	387	0.0	188	0.0	1500	387	0	188	0.46	0	65.6	55.0	44.0	23.4	23.4
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	0.0074
MAIN ROUTE WITH WORKS	0.0062
DIVERSION	0.0386

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,210
CONGESTED HOURS PER DAY*	0

*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
MON-THUR NORTHBOUND DIRECTION

