

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

SATURDAY 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	145	0.0	70	0.0	1500	145	0	70	0.44	0	66.1	55.8	44.9	24.3	24.3
1-2 AM	97	0.0	47	0.0	1500	97	0	47	0.43	0	66.2	56.0	45.1	24.5	24.5
2-3 AM	83	0.0	41	0.0	1500	83	0	41	0.43	0	66.3	56.0	45.1	24.5	24.5
3-4 AM	97	0.0	48	0.0	1500	97	0	48	0.43	0	66.2	56.0	45.1	24.5	24.5
4-5 AM	164	0.0	80	0.0	1500	164	0	80	0.44	0	66.1	55.7	44.8	24.2	24.2
5-6 AM	227	0.0	110	0.0	1500	227	0	110	0.44	0	66.0	55.5	44.6	24.0	24.0
6-7 AM	366	0.0	178	0.0	1500	366	0	178	0.46	0	65.7	55.1	44.0	23.5	23.5
7-8 AM	498	0.0	241	0.0	1500	498	0	241	0.47	0	65.5	54.6	43.5	23.0	23.0
8-9 AM	816	0.0	395	0.0	1500	816	0	395	0.50	0	64.9	53.7	42.4	21.8	21.8
9-10 AM	1072	0.0	519	0.0	1500	1072	0	519	0.53	0	64.4	52.9	41.4	20.9	20.9
10-11 AM	1240	0.0	601	0.0	1500	1240	0	601	0.69	0	64.1	49.9	37.2	20.2	20.2
11A-NOON	1432	0.0	694	0.0	1500	1432	0	694	0.94	0	63.7	46.1	32.2	19.5	19.5
NOON-1PM	1394	0.0	676	0.0	1500	1394	0	676	0.89	0	63.8	46.8	33.1	19.7	19.7
1-2 PM	1454	0.0	705	0.0	1500	1454	0	705	0.96	0	63.7	45.6	31.7	19.4	19.4
2-3 PM	1413	0.0	685	0.0	1500	1413	0	685	0.91	0	63.8	46.4	32.7	19.6	19.6
3-4 PM	1356	0.0	657	0.0	1500	1356	0	657	0.84	0	63.8	47.5	34.0	19.8	19.8
4-5 PM	1200	0.0	581	0.0	1500	1200	0	581	0.64	0	64.1	50.8	38.4	20.4	20.4
5-6 PM	1062	0.0	515	0.0	1500	1062	0	515	0.53	0	64.4	52.9	41.5	20.9	20.9
6-7 PM	866	0.0	420	0.0	1500	866	0	420	0.51	0	64.8	53.5	42.2	21.6	21.6
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	649	0.0	314	0.0	1500	649	0	314	0.49	0	65.2	54.2	43.0	22.4	22.4
9-10 PM	600	0.0	290	0.0	1500	600	0	290	0.48	0	65.3	54.3	43.2	22.6	22.6
10-11 PM	604	0.0	293	0.0	1500	604	0	293	0.48	0	65.3	54.3	43.1	22.6	22.6
11PM-MID	783	0.0	379	0.0	1500	783	0	379	0.50	0	65.0	53.8	42.5	21.9	21.9

----- 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	0.0076
MAIN ROUTE WITH WORKS	0.0064
DIVERSION	0.0396

PIA: Personal Injury Accidents

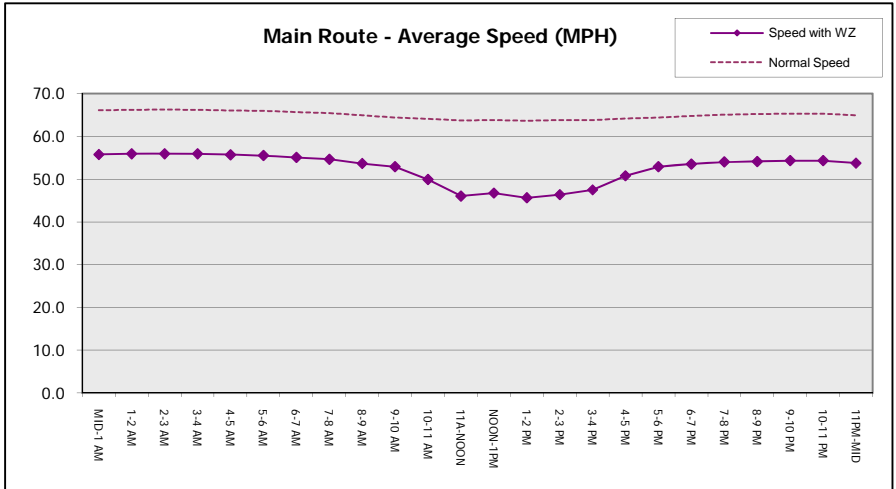
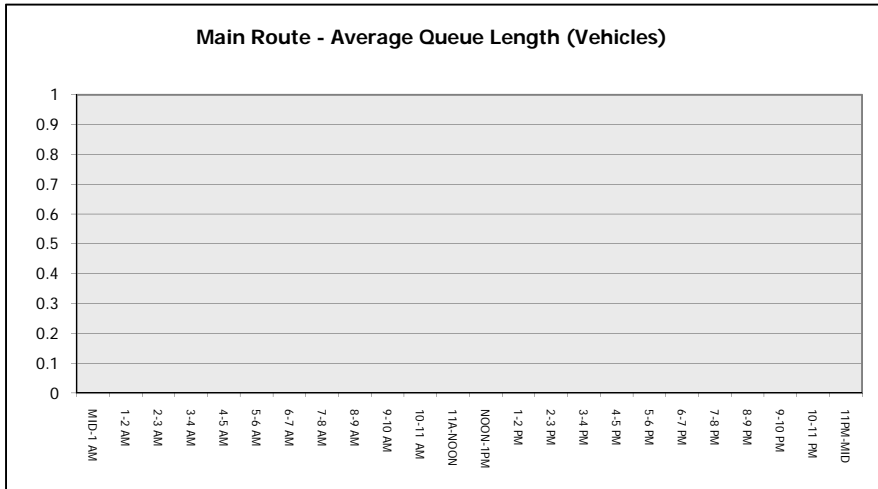
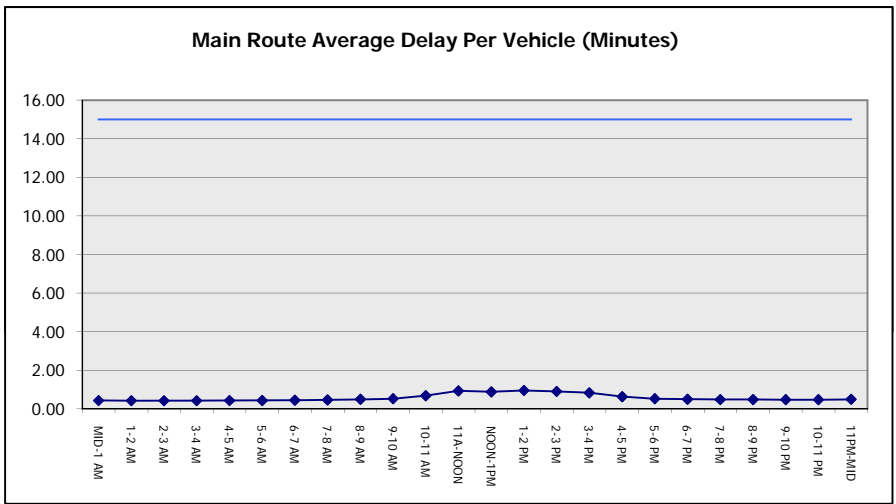
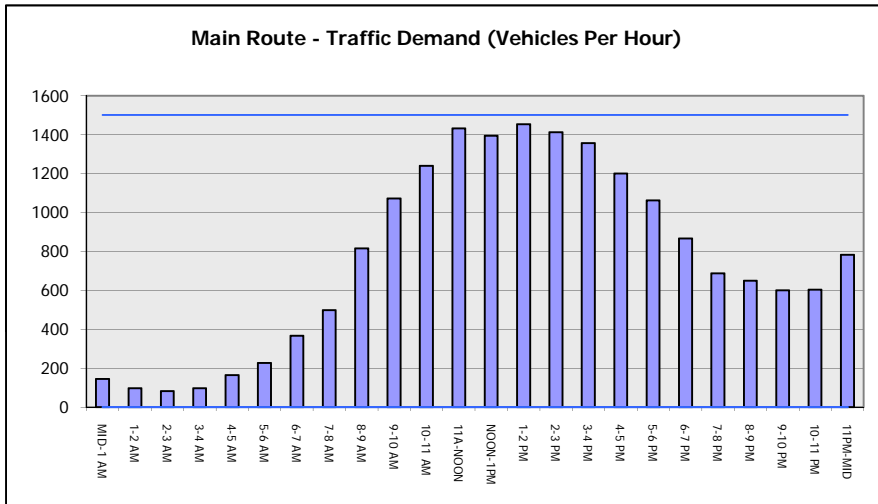
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,586
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY 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

SATURDAY 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	282	0.0	137	0.0	1500	282	0	137	0.45	0	65.9	55.3	44.3	23.8	23.8
1-2 AM	184	0.0	89	0.0	1500	184	0	89	0.44	0	66.0	55.6	44.8	24.2	24.2
2-3 AM	132	0.0	64	0.0	1500	132	0	64	0.44	0	66.1	55.8	45.0	24.3	24.3
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	129	0.0	63	0.0	1500	129	0	63	0.43	0	66.1	55.8	45.0	24.3	24.3
5-6 AM	220	0.0	107	0.0	1500	220	0	107	0.44	0	66.0	55.5	44.6	24.0	24.0
6-7 AM	374	0.0	182	0.0	1500	374	0	182	0.46	0	65.7	55.0	44.0	23.5	23.5
7-8 AM	629	0.0	304	0.0	1500	629	0	304	0.48	0	65.2	54.2	43.0	22.5	22.5
8-9 AM	948	0.0	460	0.0	1500	948	0	460	0.51	0	64.6	53.3	41.9	21.3	21.3
9-10 AM	1255	0.0	609	0.0	1499	1255	0	609	0.70	0	64.0	49.7	36.9	20.2	20.2
10-11 AM	1677	0.0	813	0.0	1499	1677	0	813	3.38	75	63.3	26.7	30.8	18.6	18.6
11A-NOON	1668	0.0	808	0.0	1499	1583	85	894	9.87	240	63.3	12.7	30.8	18.6	18.0
NOON-1PM	1637	0.0	793	0.0	1500	1492	144	938	10.46	254	63.3	12.0	30.8	18.8	17.6
1-2 PM	1613	0.0	782	0.0	1500	1498	116	898	10.25	248	63.4	12.2	30.8	18.8	17.9
2-3 PM	1678	0.0	813	0.0	1500	1516	163	975	10.68	260	63.3	11.9	30.8	18.6	17.4
3-4 PM	1675	0.0	812	0.0	1499	1492	183	995	10.80	264	63.3	11.9	30.8	18.6	17.3
4-5 PM	1501	0.0	727	0.0	1499	1436	65	792	9.49	229	63.6	13.0	30.8	19.3	18.8
5-6 PM	1083	0.0	524	0.0	1499	1083	0	524	1.76	55	64.4	37.2	38.3	20.8	20.8
6-7 PM	855	0.0	414	0.0	1500	855	0	414	0.51	0	64.8	53.5	42.2	21.7	21.7
7-8 PM	729	0.0	353	0.0	1500	729	0	353	0.49	0	65.0	53.9	42.7	22.1	22.1
8-9 PM	635	0.0	307	0.0	1500	635	0	307	0.48	0	65.2	54.2	43.0	22.5	22.5
9-10 PM	560	0.0	271	0.0	1500	560	0	271	0.48	0	65.3	54.5	43.3	22.8	22.8
10-11 PM	511	0.0	248	0.0	1500	511	0	248	0.47	0	65.5	54.6	43.5	22.9	22.9
11PM-MID	318	0.0	154	0.0	1500	318	0	154	0.45	0	65.8	55.2	44.2	23.7	23.7

----- 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	0.0084
MAIN ROUTE WITH WORKS	0.0068
DIVERSION	0.0475

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$32,409
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
SATURDAY NORTHBOUND DIRECTION

