

IH 43: STH 42 TO STH 28 (SHEBOYGAN COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 28 - CTH TA - STH 23	OCTOBER
	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	114	0.0	55	0.0	1500	114	0	55	0.43	0	66.2	55.9	45.0	24.4	24.4
1-2 AM	87	0.0	42	0.0	1500	87	0	42	0.43	0	66.2	56.0	45.1	24.5	24.5
2-3 AM	68	0.0	32	0.0	1500	68	0	32	0.43	0	66.3	56.0	45.2	24.6	24.6
3-4 AM	96	0.0	47	0.0	1500	96	0	47	0.43	0	66.2	56.0	45.1	24.5	24.5
4-5 AM	144	0.0	70	0.0	1500	144	0	70	0.44	0	66.1	55.8	44.9	24.3	24.3
5-6 AM	221	0.0	108	0.0	1500	221	0	108	0.44	0	66.0	55.5	44.6	24.0	24.0
6-7 AM	352	0.0	170	0.0	1500	352	0	170	0.46	0	65.7	55.1	44.1	23.5	23.5
7-8 AM	553	0.0	268	0.0	1500	553	0	268	0.48	0	65.3	54.5	43.3	22.8	22.8
8-9 AM	706	0.0	342	0.0	1500	706	0	342	0.49	0	65.1	54.0	42.7	22.2	22.2
9-10 AM	923	0.0	447	0.0	1500	923	0	447	0.51	0	64.6	53.3	42.0	21.4	21.4
10-11 AM	1050	0.0	508	0.0	1500	1050	0	508	0.52	0	64.4	53.0	41.5	20.9	20.9
11A-NOON	1064	0.0	515	0.0	1500	1064	0	515	0.53	0	64.4	52.9	41.5	20.9	20.9
NOON-1PM	1046	0.0	506	0.0	1500	1046	0	506	0.52	0	64.5	53.0	41.5	20.9	20.9
1-2 PM	1057	0.0	512	0.0	1500	1057	0	512	0.52	0	64.4	52.9	41.5	20.9	20.9
2-3 PM	1057	0.0	512	0.0	1500	1057	0	512	0.52	0	64.4	52.9	41.5	20.9	20.9
3-4 PM	1034	0.0	501	0.0	1500	1034	0	501	0.52	0	64.5	53.0	41.5	21.0	21.0
4-5 PM	1045	0.0	506	0.0	1500	1045	0	506	0.52	0	64.5	53.0	41.5	20.9	20.9
5-6 PM	992	0.0	481	0.0	1500	992	0	481	0.52	0	64.5	53.1	41.7	21.2	21.2
6-7 PM	812	0.0	394	0.0	1500	812	0	394	0.50	0	64.9	53.7	42.4	21.8	21.8
7-8 PM	635	0.0	307	0.0	1500	635	0	307	0.48	0	65.2	54.2	43.0	22.5	22.5
8-9 PM	611	0.0	296	0.0	1500	611	0	296	0.48	0	65.3	54.3	43.1	22.5	22.5
9-10 PM	490	0.0	237	0.0	1500	490	0	237	0.47	0	65.5	54.6	43.5	23.0	23.0
10-11 PM	388	0.0	188	0.0	1500	388	0	188	0.46	0	65.6	55.0	44.0	23.4	23.4
11PM-MID	262	0.0	127	0.0	1500	262	0	127	0.45	0	65.9	55.4	44.5	23.8	23.8

----- 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	0.0061
MAIN ROUTE WITH WORKS	0.0051
DIVERSION	0.0320

PIA: Personal Injury Accidents

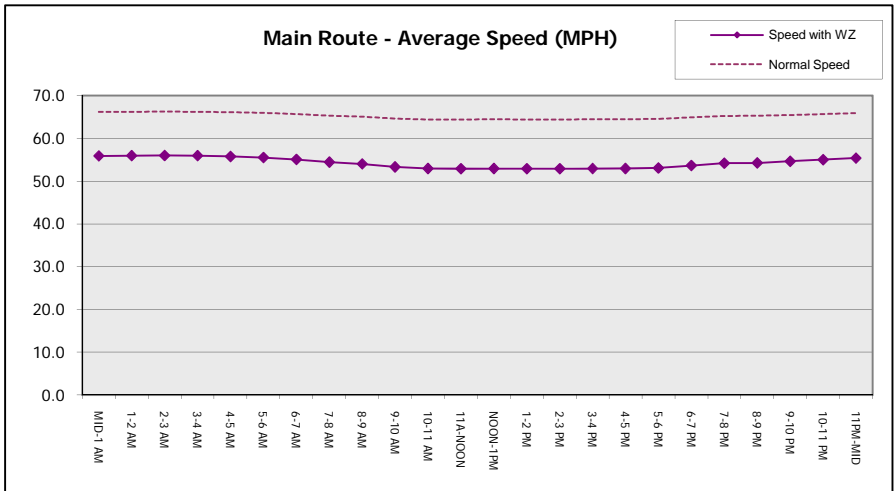
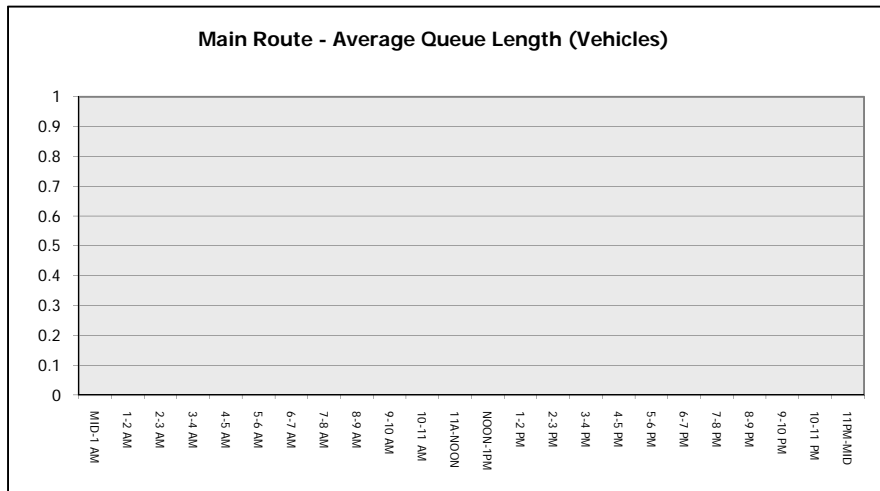
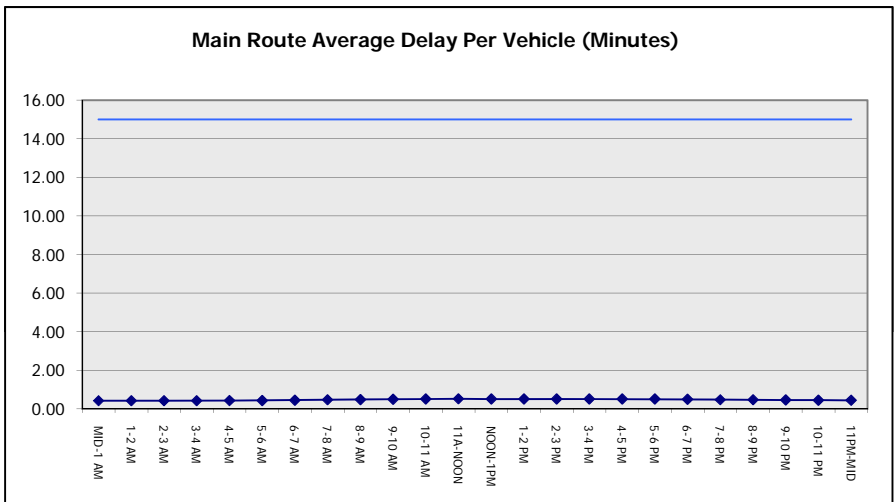
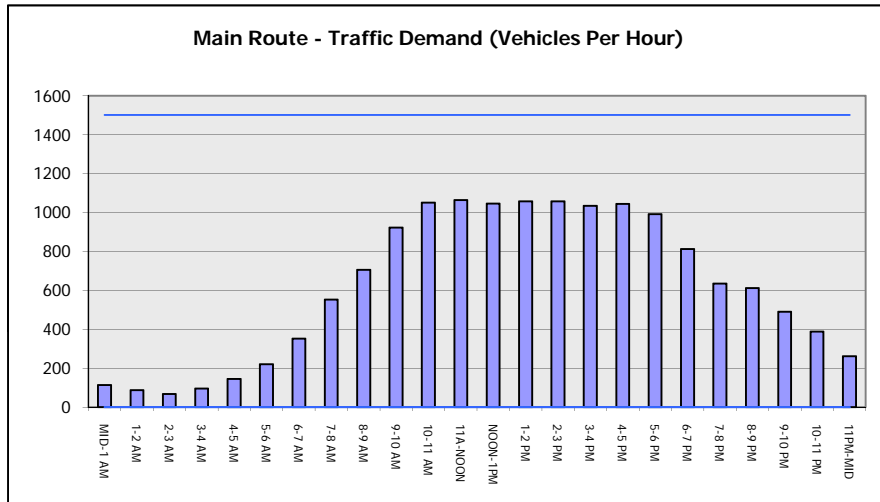
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,910
CONGESTED HOURS PER DAY*	0

*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**

OCTOBER
 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	OCTOBER
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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	216	0.0	105	0.0	1500	216	0	105	0.44	0	66.0	55.5	44.6	24.0	24.0
1-2 AM	144	0.0	70	0.0	1500	144	0	70	0.44	0	66.1	55.8	44.9	24.3	24.3
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	96	0.0	47	0.0	1500	96	0	47	0.43	0	66.2	56.0	45.1	24.5	24.5
4-5 AM	120	0.0	58	0.0	1500	120	0	58	0.43	0	66.1	55.9	45.0	24.4	24.4
5-6 AM	212	0.0	102	0.0	1500	212	0	102	0.44	0	66.0	55.6	44.6	24.0	24.0
6-7 AM	337	0.0	163	0.0	1500	337	0	163	0.46	0	65.8	55.1	44.2	23.6	23.6
7-8 AM	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 AM	919	0.0	445	0.0	1500	919	0	445	0.51	0	64.6	53.3	42.0	21.4	21.4
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	1324	0.0	641	0.0	1500	1324	0	641	0.80	0	63.9	48.2	34.8	19.9	19.9
11A-NOON	1379	0.0	669	0.0	1500	1379	0	669	0.87	0	63.8	47.1	33.5	19.7	19.7
NOON-1PM	1336	0.0	647	0.0	1500	1336	0	647	0.81	0	63.9	47.9	34.5	19.9	19.9
1-2 PM	1235	0.0	599	0.0	1500	1235	0	599	0.68	0	64.1	50.1	37.4	20.2	20.2
2-3 PM	1210	0.0	586	0.0	1500	1210	0	586	0.65	0	64.1	50.6	38.1	20.4	20.4
3-4 PM	1175	0.0	569	0.0	1500	1175	0	569	0.60	0	64.2	51.4	39.2	20.5	20.5
4-5 PM	1146	0.0	556	0.0	1500	1146	0	556	0.57	0	64.3	52.0	40.2	20.6	20.6
5-6 PM	1100	0.0	533	0.0	1500	1100	0	533	0.53	0	64.3	52.8	41.4	20.7	20.7
6-7 PM	892	0.0	432	0.0	1500	892	0	432	0.51	0	64.7	53.4	42.0	21.5	21.5
7-8 PM	714	0.0	346	0.0	1500	714	0	346	0.49	0	65.1	54.0	42.7	22.2	22.2
8-9 PM	620	0.0	300	0.0	1500	620	0	300	0.48	0	65.2	54.3	43.0	22.5	22.5
9-10 PM	500	0.0	242	0.0	1500	500	0	242	0.47	0	65.5	54.6	43.5	23.0	23.0
10-11 PM	415	0.0	201	0.0	1500	415	0	201	0.46	0	65.6	54.9	43.8	23.3	23.3
11PM-MID	298	0.0	144	0.0	1500	298	0	144	0.45	0	65.8	55.3	44.3	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	0.0071
MAIN ROUTE WITH WORKS	0.0060
DIVERSION	0.0371

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,678
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

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SATURDAY NORTHBOUND DIRECTION

