

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

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	91	0.0	45	0.0	1500	91	0	45	0.43	0	66.2	56.0	45.1	24.5	24.5
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	73	0.0	36	0.0	1500	73	0	36	0.43	0	66.3	56.0	45.2	24.6	24.6
3-4 AM	120	0.0	58	0.0	1500	120	0	58	0.43	0	66.1	55.9	45.0	24.4	24.4
4-5 AM	251	0.0	122	0.0	1500	251	0	122	0.45	0	65.9	55.5	44.5	23.9	23.9
5-6 AM	574	0.0	278	0.0	1500	574	0	278	0.48	0	65.3	54.4	43.2	22.7	22.7
6-7 AM	1048	0.0	508	0.0	1500	1048	0	508	0.52	0	64.5	53.0	41.5	20.9	20.9
7-8 AM	1096	0.0	532	0.0	1500	1096	0	532	0.53	0	64.3	52.8	41.4	20.7	20.7
8-9 AM	927	0.0	449	0.0	1500	927	0	449	0.51	0	64.6	53.3	41.9	21.4	21.4
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	926	0.0	449	0.0	1500	926	0	449	0.51	0	64.6	53.3	41.9	21.4	21.4
11A-NOON	1050	0.0	509	0.0	1500	1050	0	509	0.52	0	64.4	53.0	41.5	20.9	20.9
NOON-1PM	1133	0.0	549	0.0	1500	1133	0	549	0.55	0	64.3	52.4	40.7	20.6	20.6
1-2 PM	1182	0.0	573	0.0	1500	1182	0	573	0.61	0	64.2	51.2	39.1	20.4	20.4
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	1248	0.0	605	0.0	1500	1248	0	605	0.70	0	64.1	49.7	36.9	20.2	20.2
4-5 PM	1341	0.0	649	0.0	1500	1341	0	649	0.82	0	63.9	47.8	34.4	19.9	19.9
5-6 PM	1338	0.0	648	0.0	1500	1338	0	648	0.82	0	63.9	47.9	34.5	19.9	19.9
6-7 PM	985	0.0	477	0.0	1500	985	0	477	0.52	0	64.5	53.2	41.7	21.2	21.2
7-8 PM	643	0.0	311	0.0	1500	643	0	311	0.48	0	65.2	54.2	43.0	22.5	22.5
8-9 PM	482	0.0	233	0.0	1500	482	0	233	0.47	0	65.5	54.7	43.6	23.0	23.0
9-10 PM	358	0.0	173	0.0	1500	358	0	173	0.46	0	65.7	55.1	44.0	23.5	23.5
10-11 PM	293	0.0	142	0.0	1500	293	0	142	0.45	0	65.8	55.3	44.3	23.7	23.7
11PM-MID	187	0.0	90	0.0	1500	187	0	90	0.44	0	66.0	55.6	44.7	24.2	24.2

----- 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	0.0073
MAIN ROUTE WITH WORKS	0.0061
DIVERSION	0.0381

PIA: Personal Injury Accidents

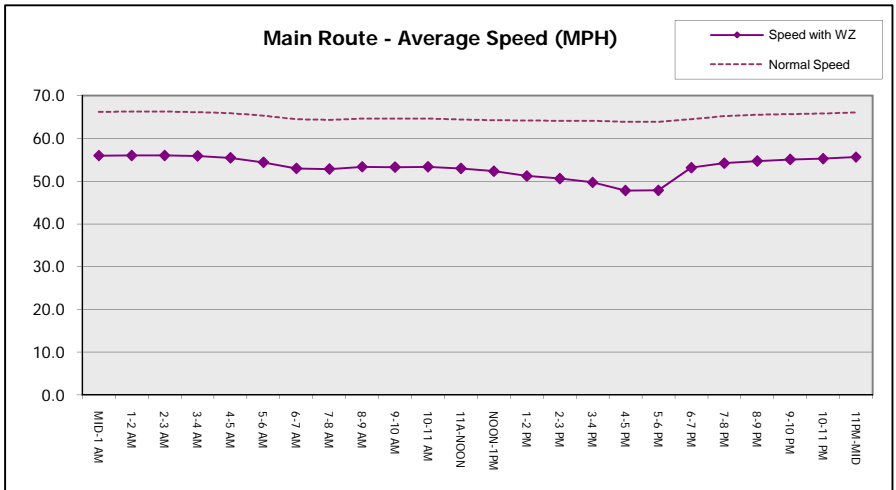
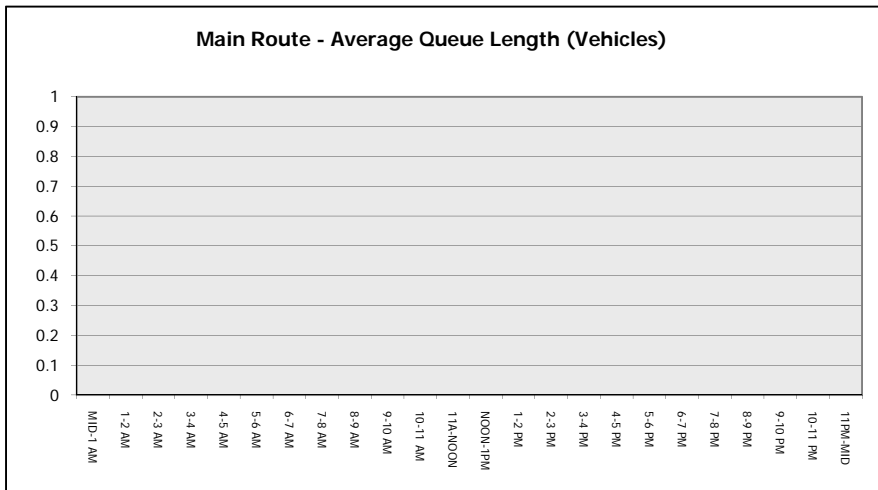
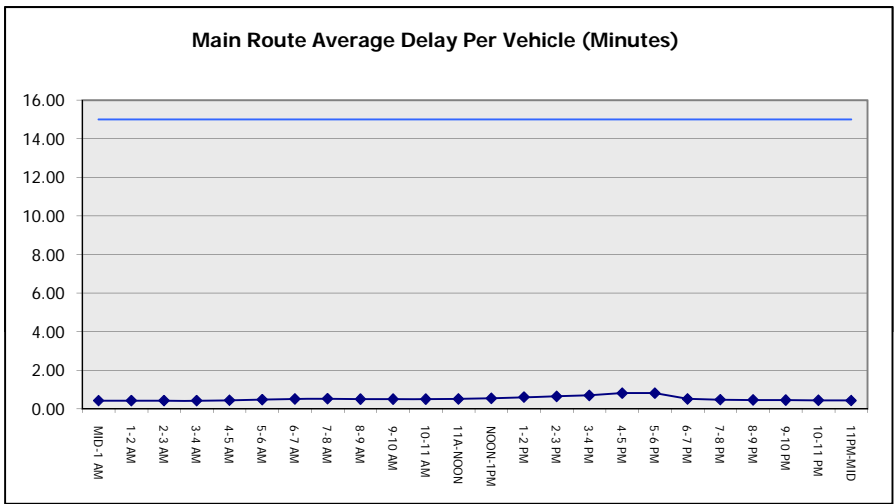
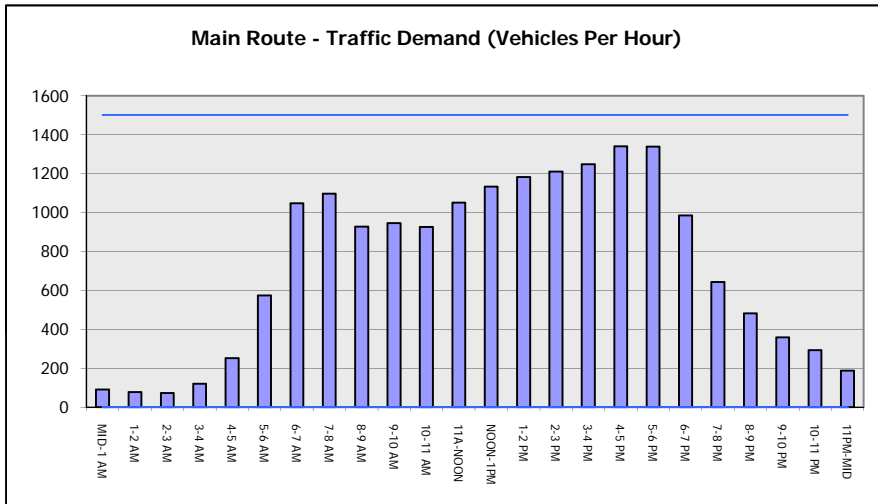
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,589
CONGESTED HOURS PER DAY*	0

*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
FRIDAY 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

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	185	0.0	89	0.0	1500	185	0	89	0.44	0	66.0	55.6	44.8	24.2	24.2
1-2 AM	115	0.0	56	0.0	1500	115	0	56	0.43	0	66.2	55.9	45.0	24.4	24.4
2-3 AM	106	0.0	51	0.0	1500	106	0	51	0.43	0	66.2	55.9	45.1	24.5	24.5
3-4 AM	120	0.0	58	0.0	1500	120	0	58	0.43	0	66.1	55.9	45.0	24.4	24.4
4-5 AM	168	0.0	82	0.0	1500	168	0	82	0.44	0	66.1	55.7	44.8	24.2	24.2
5-6 AM	318	0.0	154	0.0	1500	318	0	154	0.45	0	65.8	55.2	44.2	23.7	23.7
6-7 AM	698	0.0	338	0.0	1500	698	0	338	0.49	0	65.1	54.0	42.8	22.2	22.2
7-8 AM	987	0.0	478	0.0	1500	987	0	478	0.52	0	64.5	53.2	41.7	21.2	21.2
8-9 AM	954	0.0	462	0.0	1500	954	0	462	0.51	0	64.6	53.2	41.9	21.3	21.3
9-10 AM	1119	0.0	543	0.0	1500	1119	0	543	0.53	0	64.3	52.7	41.2	20.7	20.7
10-11 AM	1309	0.0	634	0.0	1499	1309	0	634	0.78	0	64.0	48.5	35.3	20.0	20.0
11A-NOON	1495	0.0	724	0.0	1499	1495	0	724	1.12	3	63.6	43.6	31.2	19.3	19.3
NOON-1PM	1569	0.0	760	0.0	1500	1569	0	760	2.59	44	63.5	30.9	30.8	19.0	19.0
1-2 PM	1611	0.0	781	0.0	1499	1611	0	781	5.69	130	63.4	19.1	30.8	18.8	18.8
2-3 PM	1824	0.0	884	0.0	1500	1624	200	1084	11.18	277	63.0	11.7	30.8	18.1	16.8
3-4 PM	2040	0.0	988	0.0	1500	1573	468	1456+	14.34	360	62.6	10.2	30.8	17.3	14.5
4-5 PM	2126	0.0	1030	0.0	1499	1528	597	1627+	16.16	409	62.4	9.6	30.8	17.0	13.4
5-6 PM	2063	0.0	999	0.0	1499	1452	610	1610+	15.98	404	62.5	9.7	30.8	17.2	13.5
6-7 PM	1603	0.0	777	0.0	1499	1354	249	1026	11.04	273	63.4	11.9	30.8	18.9	17.2
7-8 PM	1254	0.0	608	0.0	1499	1254	0	608	4.34	122	64.0	23.0	33.5	20.2	20.2
8-9 PM	984	0.0	477	0.0	1500	984	0	477	0.52	0	64.5	53.2	41.7	21.2	21.2
9-10 PM	795	0.0	386	0.0	1500	795	0	386	0.50	0	64.9	53.7	42.4	21.9	21.9
10-11 PM	539	0.0	261	0.0	1500	539	0	261	0.47	0	65.4	54.5	43.3	22.9	22.9
11PM-MID	328	0.0	159	0.0	1500	328	0	159	0.45	0	65.8	55.2	44.2	23.6	23.6

+ 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	0.0100
MAIN ROUTE WITH WORKS	0.0077
DIVERSION	0.0621

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$40,255
CONGESTED HOURS PER DAY*	2

*Delays Exceeding 15 Minutes

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

