

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

SUNDAY 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	149	0.0	72	0.0	1500	149	0	72	0.44	0	66.1	55.8	44.9	24.3	24.3
1-2 AM	100	0.0	49	0.0	1500	100	0	49	0.43	0	66.2	56.0	45.1	24.5	24.5
2-3 AM	68	0.0	33	0.0	1500	68	0	33	0.43	0	66.3	56.0	45.2	24.6	24.6
3-4 AM	74	0.0	37	0.0	1500	74	0	37	0.43	0	66.3	56.0	45.2	24.5	24.5
4-5 AM	102	0.0	50	0.0	1500	102	0	50	0.43	0	66.2	55.9	45.1	24.5	24.5
5-6 AM	146	0.0	71	0.0	1500	146	0	71	0.44	0	66.1	55.8	44.9	24.3	24.3
6-7 AM	224	0.0	109	0.0	1500	224	0	109	0.44	0	66.0	55.5	44.6	24.0	24.0
7-8 AM	344	0.0	166	0.0	1500	344	0	166	0.46	0	65.8	55.1	44.1	23.5	23.5
8-9 AM	580	0.0	281	0.0	1500	580	0	281	0.48	0	65.3	54.4	43.2	22.7	22.7
9-10 AM	810	0.0	393	0.0	1500	810	0	393	0.50	0	64.9	53.7	42.4	21.8	21.8
10-11 AM	1195	0.0	579	0.0	1499	1195	0	579	0.64	0	64.1	50.9	38.6	20.4	20.4
11A-NOON	1556	0.0	754	0.0	1499	1556	0	754	1.50	15	63.5	39.4	30.9	19.1	19.1
NOON-1PM	1732	0.0	839	0.0	1500	1732	0	839	6.70	168	63.2	17.0	30.8	18.4	18.4
1-2 PM	1861	0.0	902	0.0	1499	1528	333	1235+	12.43	308	62.9	11.0	30.8	17.9	15.8
2-3 PM	1944	0.0	942	0.0	1499	1531	413	1355+	13.41	335	62.8	10.6	30.8	17.6	15.1
3-4 PM	2139	0.0	1037	0.0	1500	1583	556	1593+	15.78	400	62.4	9.7	30.8	16.9	13.7
4-5 PM	2242	0.0	1087	0.0	1499	1500	742	1829+	17.07	434	62.2	9.4	30.8	16.5	13.0
5-6 PM	2089	0.0	1013	0.0	1499	1453	636	1649+	16.43	417	62.5	9.6	30.8	17.1	13.3
6-7 PM	1846	0.0	894	0.0	1500	1390	455	1349+	13.40	336	63.0	10.6	30.8	18.0	15.2
7-8 PM	1124	0.0	545	0.0	1499	1091	34	578	2.99	110	64.3	28.8	37.1	20.7	20.4
8-9 PM	777	0.0	376	0.0	1500	777	0	376	0.50	0	65.0	53.8	42.5	22.0	22.0
9-10 PM	509	0.0	247	0.0	1500	509	0	247	0.47	0	65.5	54.6	43.5	23.0	23.0
10-11 PM	270	0.0	131	0.0	1500	270	0	131	0.45	0	65.9	55.4	44.4	23.8	23.8
11PM-MID	254	0.0	123	0.0	1500	254	0	123	0.45	0	65.9	55.5	44.5	23.9	23.9

+ 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	0.0091
MAIN ROUTE WITH WORKS	0.0066
DIVERSION	0.0621

PIA: Personal Injury Accidents

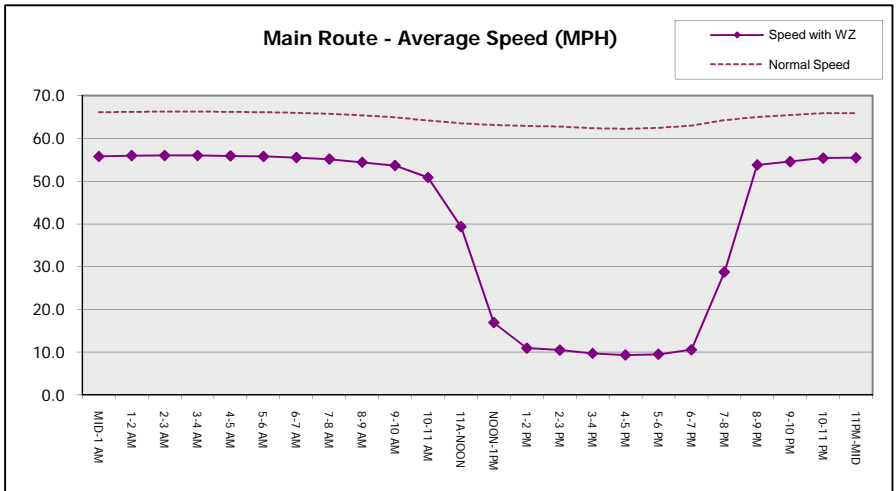
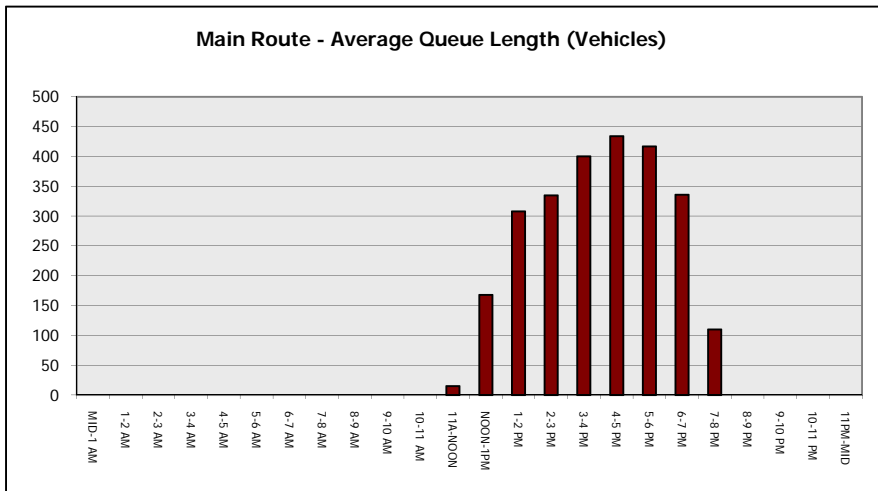
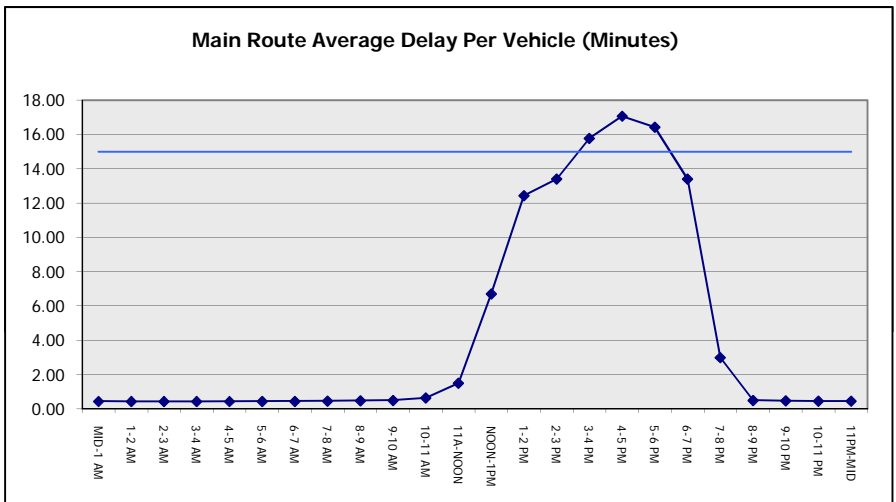
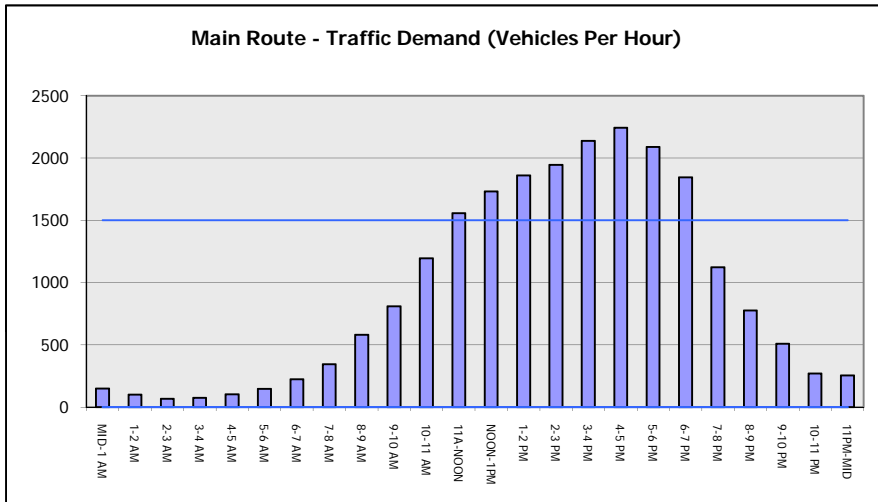
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$64,276
CONGESTED HOURS PER DAY*	3

*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
SUNDAY 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

SUNDAY 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	180	0.0	87	0.0	1500	180	0	87	0.44	0	66.1	55.6	44.8	24.2	24.2
1-2 AM	107	0.0	52	0.0	1500	107	0	52	0.43	0	66.2	55.9	45.1	24.5	24.5
2-3 AM	65	0.0	31	0.0	1500	65	0	31	0.43	0	66.3	56.0	45.2	24.6	24.6
3-4 AM	69	0.0	33	0.0	1500	69	0	33	0.43	0	66.3	56.0	45.2	24.6	24.6
4-5 AM	69	0.0	33	0.0	1500	69	0	33	0.43	0	66.3	56.0	45.2	24.6	24.6
5-6 AM	115	0.0	56	0.0	1500	115	0	56	0.43	0	66.2	55.9	45.0	24.4	24.4
6-7 AM	202	0.0	97	0.0	1500	202	0	97	0.44	0	66.0	55.6	44.6	24.1	24.1
7-8 AM	481	0.0	233	0.0	1500	481	0	233	0.47	0	65.5	54.7	43.6	23.0	23.0
8-9 AM	838	0.0	406	0.0	1500	838	0	406	0.50	0	64.8	53.6	42.2	21.7	21.7
9-10 AM	915	0.0	443	0.0	1500	915	0	443	0.51	0	64.7	53.3	42.0	21.4	21.4
10-11 AM	974	0.0	472	0.0	1500	974	0	472	0.52	0	64.6	53.2	41.8	21.2	21.2
11A-NOON	1131	0.0	549	0.0	1500	1131	0	549	0.55	0	64.3	52.4	40.8	20.6	20.6
NOON-1PM	1223	0.0	593	0.0	1500	1223	0	593	0.67	0	64.1	50.3	37.8	20.3	20.3
1-2 PM	1225	0.0	594	0.0	1500	1225	0	594	0.67	0	64.1	50.3	37.7	20.3	20.3
2-3 PM	1299	0.0	629	0.0	1500	1299	0	629	0.76	0	64.0	48.7	35.5	20.0	20.0
3-4 PM	1391	0.0	675	0.0	1500	1391	0	675	0.88	0	63.8	46.8	33.2	19.7	19.7
4-5 PM	1251	0.0	607	0.0	1500	1251	0	607	0.70	0	64.0	49.7	36.9	20.2	20.2
5-6 PM	1069	0.0	518	0.0	1500	1069	0	518	0.53	0	64.4	52.9	41.4	20.9	20.9
6-7 PM	875	0.0	424	0.0	1500	875	0	424	0.51	0	64.8	53.5	42.1	21.6	21.6
7-8 PM	747	0.0	362	0.0	1500	747	0	362	0.49	0	65.0	53.8	42.6	22.0	22.0
8-9 PM	505	0.0	246	0.0	1500	505	0	246	0.47	0	65.5	54.6	43.5	23.0	23.0
9-10 PM	345	0.0	167	0.0	1500	345	0	167	0.46	0	65.8	55.1	44.1	23.5	23.5
10-11 PM	262	0.0	127	0.0	1500	262	0	127	0.45	0	65.9	55.4	44.5	23.8	23.8
11PM-MID	176	0.0	85	0.0	1500	176	0	85	0.44	0	66.1	55.7	44.8	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	0.0064
MAIN ROUTE WITH WORKS	0.0054
DIVERSION	0.0336

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,979
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
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OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

