

IH 43: STH 42 TO STH 28 (SHEBOYGAN COUNTY) NIGHTTIME 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	OFF	810	0	393	0.00	0	64.9	64.9	64.9	21.8	21.8
10-11 AM	1195	0.0	579	0.0	OFF	1195	0	579	0.00	0	64.1	64.1	64.1	20.4	20.4
11A-NOON	1556	0.0	754	0.0	OFF	1556	0	754	0.00	0	63.5	63.5	63.5	19.1	19.1
NOON-1PM	1732	0.0	839	0.0	OFF	1732	0	839	0.00	0	63.2	63.2	63.2	18.4	18.4
1-2 PM	1861	0.0	902	0.0	OFF	1861	0	902	0.00	0	62.9	62.9	62.9	17.9	17.9
2-3 PM	1944	0.0	942	0.0	OFF	1944	0	942	0.00	0	62.8	62.8	62.8	17.6	17.6
3-4 PM	2139	0.0	1037	0.0	OFF	2139	0	1037	0.00	0	62.4	62.4	62.4	16.9	16.9
4-5 PM	2242	0.0	1087	0.0	OFF	2242	0	1087	0.00	0	62.2	62.2	62.2	16.5	16.5
5-6 PM	2089	0.0	1013	0.0	OFF	2089	0	1013	0.00	0	62.5	62.5	62.5	17.1	17.1
6-7 PM	1846	0.0	894	0.0	OFF	1846	0	894	0.00	0	63.0	63.0	63.0	18.0	18.0
7-8 PM	1124	0.0	545	0.0	1500	1124	0	545	0.54	0	64.3	52.6	41.0	20.7	20.7
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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0088
DIVERSION	0.0479

PIA: Personal Injury Accidents

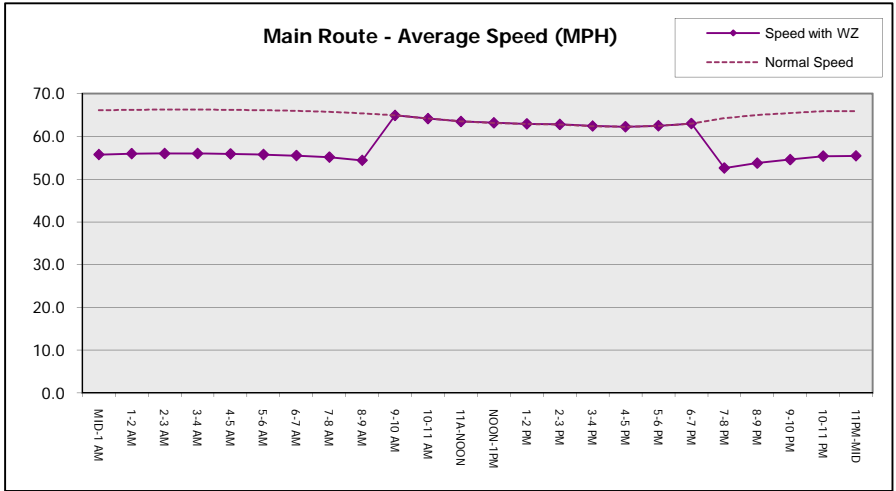
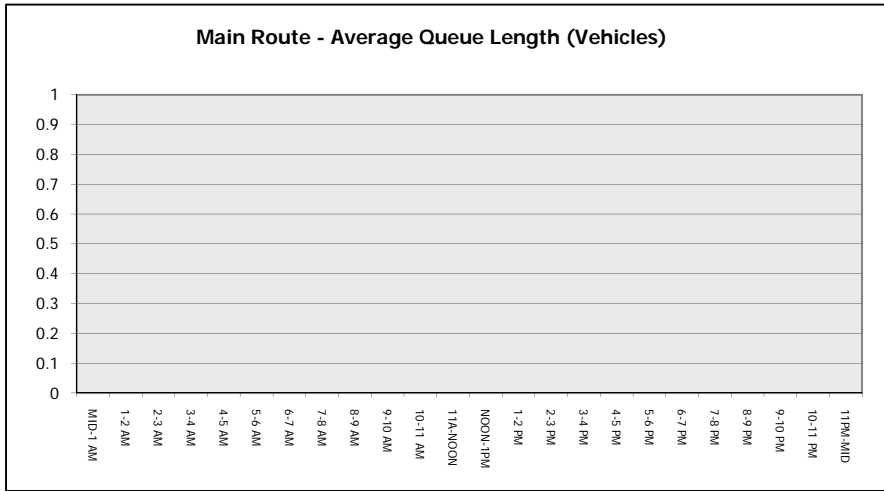
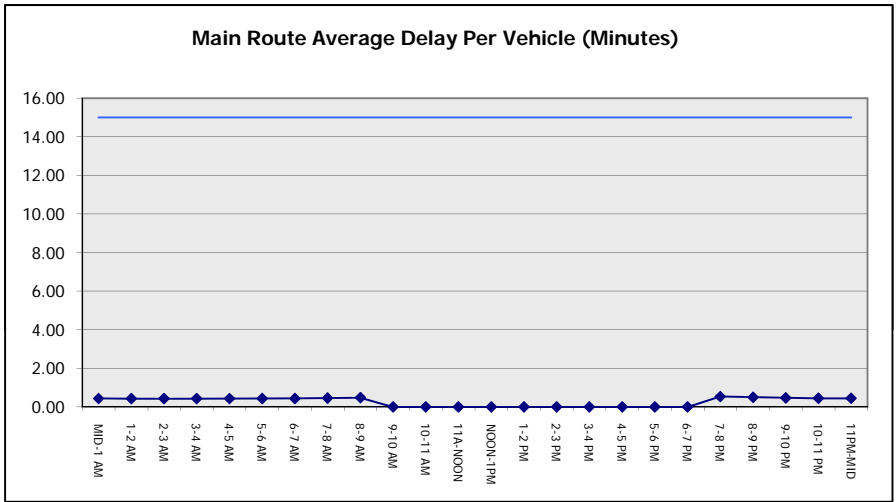
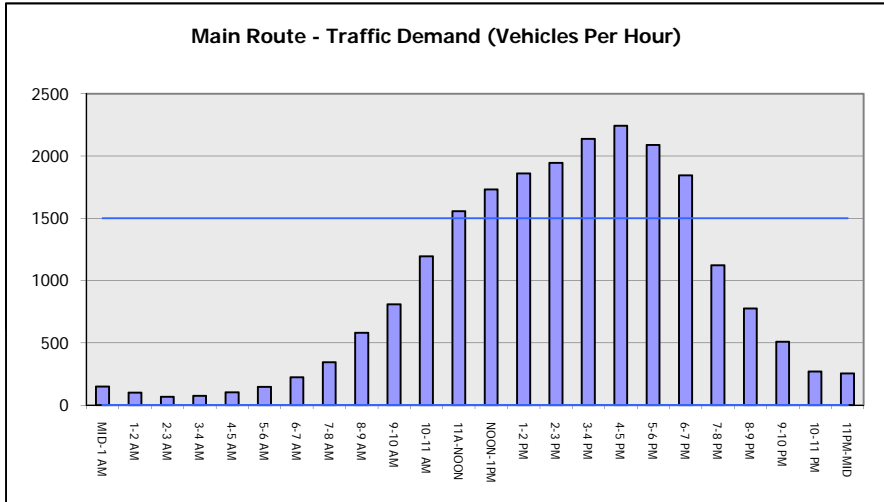
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$539
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**IH 43: STH 42 TO STH 28 (SHEBOYGAN COUNTY)
NIGHTTIME 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) NIGHTTIME 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	OFF	915	0	443	0.00	0	64.7	64.7	64.7	21.4	21.4
10-11 AM	974	0.0	472	0.0	OFF	974	0	472	0.00	0	64.6	64.6	64.6	21.2	21.2
11A-NOON	1131	0.0	549	0.0	OFF	1131	0	549	0.00	0	64.3	64.3	64.3	20.6	20.6
NOON-1PM	1223	0.0	593	0.0	OFF	1223	0	593	0.00	0	64.1	64.1	64.1	20.3	20.3
1-2 PM	1225	0.0	594	0.0	OFF	1225	0	594	0.00	0	64.1	64.1	64.1	20.3	20.3
2-3 PM	1299	0.0	629	0.0	OFF	1299	0	629	0.00	0	64.0	64.0	64.0	20.0	20.0
3-4 PM	1391	0.0	675	0.0	OFF	1391	0	675	0.00	0	63.8	63.8	63.8	19.7	19.7
4-5 PM	1251	0.0	607	0.0	OFF	1251	0	607	0.00	0	64.0	64.0	64.0	20.2	20.2
5-6 PM	1069	0.0	518	0.0	OFF	1069	0	518	0.00	0	64.4	64.4	64.4	20.9	20.9
6-7 PM	875	0.0	424	0.0	OFF	875	0	424	0.00	0	64.8	64.8	64.8	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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0061
DIVERSION	0.0336

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$461
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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NIGHTTIME CLOSURE
DIVERSION ROUTE: STH 28 - CTH TA - STH 23**

OCTOBER
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Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

