

IH 43: STH 172 TO STH 42 (SHEBOYGAN, MANITOWOC AND BROWN COUNTIES) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 96 - CTH R - USH 141	AUGUST
	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	212	0.0	39	0.0	1500	212	0	39	0.44	0	66.0	61.7	44.6	19.6	19.6
1-2 AM	106	0.0	20	0.0	1500	106	0	20	0.43	0	66.2	62.0	45.1	19.7	19.7
2-3 AM	91	0.0	17	0.0	1500	91	0	17	0.43	0	66.2	62.0	45.1	19.7	19.7
3-4 AM	77	0.0	14	0.0	1500	77	0	14	0.43	0	66.3	62.1	45.2	19.8	19.8
4-5 AM	69	0.0	13	0.0	1500	69	0	13	0.43	0	66.3	62.1	45.2	19.8	19.8
5-6 AM	86	0.0	16	0.0	1500	86	0	16	0.43	0	66.2	62.0	45.1	19.7	19.7
6-7 AM	168	0.0	30	0.0	1500	168	0	30	0.44	0	66.1	61.9	44.8	19.7	19.7
7-8 AM	286	0.0	52	0.0	1500	286	0	52	0.45	0	65.8	61.5	44.3	19.6	19.6
8-9 AM	489	0.0	90	0.0	1500	489	0	90	0.47	0	65.5	61.0	43.5	19.3	19.3
9-10 AM	785	0.0	143	0.0	OFF	785	0	143	0.00	0	64.9	64.9	64.9	19.0	19.0
10-11 AM	1123	0.0	206	0.0	OFF	1123	0	206	0.00	0	64.3	64.3	64.3	18.6	18.6
11A-NOON	1416	0.0	259	0.0	OFF	1416	0	259	0.00	0	63.8	63.8	63.8	18.3	18.3
NOON-1PM	1564	0.0	287	0.0	OFF	1564	0	287	0.00	0	63.5	63.5	63.5	18.1	18.1
1-2 PM	1624	0.0	297	0.0	OFF	1624	0	297	0.00	0	63.3	63.3	63.3	18.0	18.0
2-3 PM	1692	0.0	310	0.0	OFF	1692	0	310	0.00	0	63.2	63.2	63.2	17.9	17.9
3-4 PM	1734	0.0	318	0.0	OFF	1734	0	318	0.00	0	63.2	63.2	63.2	17.9	17.9
4-5 PM	1659	0.0	304	0.0	OFF	1659	0	304	0.00	0	63.3	63.3	63.3	18.0	18.0
5-6 PM	1446	0.0	265	0.0	OFF	1446	0	265	0.00	0	63.7	63.7	63.7	18.3	18.3
6-7 PM	1188	0.0	218	0.0	OFF	1188	0	218	0.00	0	64.1	64.1	64.1	18.5	18.5
7-8 PM	897	0.0	164	0.0	1500	897	0	164	0.51	0	64.7	60.1	42.0	18.9	18.9
8-9 PM	607	0.0	111	0.0	1500	607	0	111	0.48	0	65.3	60.8	43.1	19.2	19.2
9-10 PM	425	0.0	77	0.0	1500	425	0	77	0.46	0	65.6	61.2	43.8	19.4	19.4
10-11 PM	274	0.0	50	0.0	1500	274	0	50	0.45	0	65.9	61.6	44.4	19.6	19.6
11PM-MID	163	0.0	29	0.0	1500	163	0	29	0.44	0	66.1	61.9	44.8	19.7	19.7

"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	0.0206
MAIN ROUTE WITH WORKS	0.0203
DIVERSION	0.0329

PIA: Personal Injury Accidents

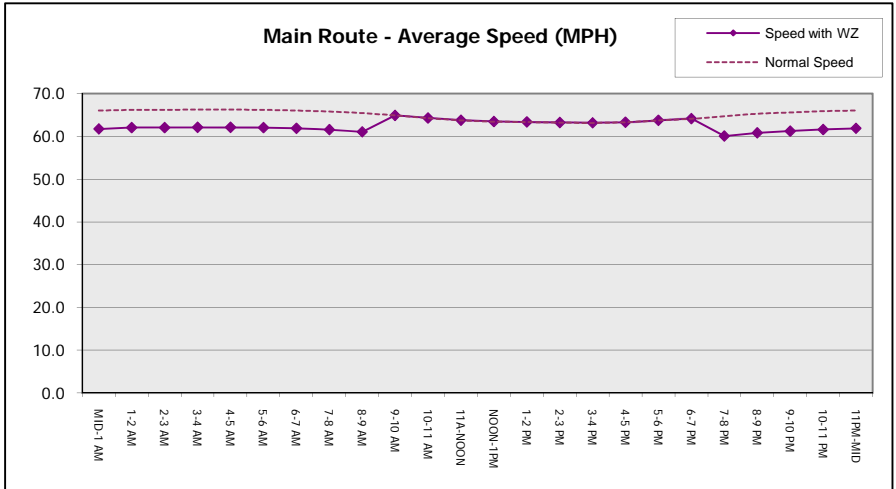
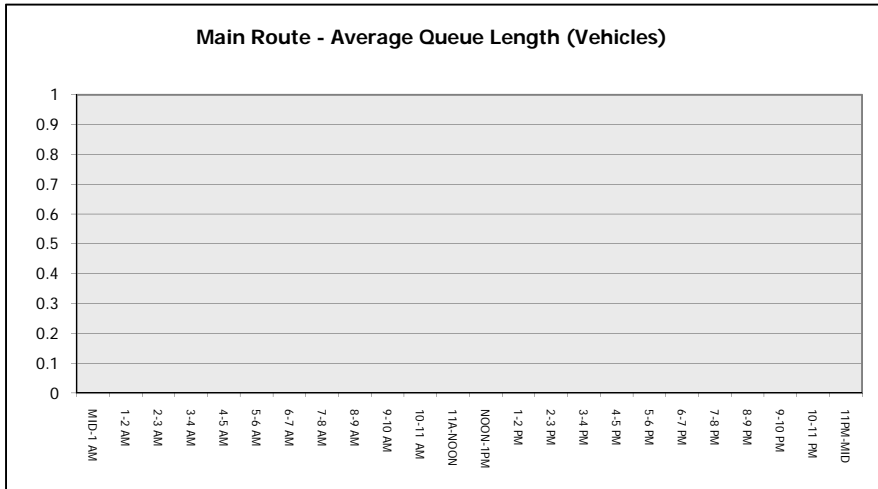
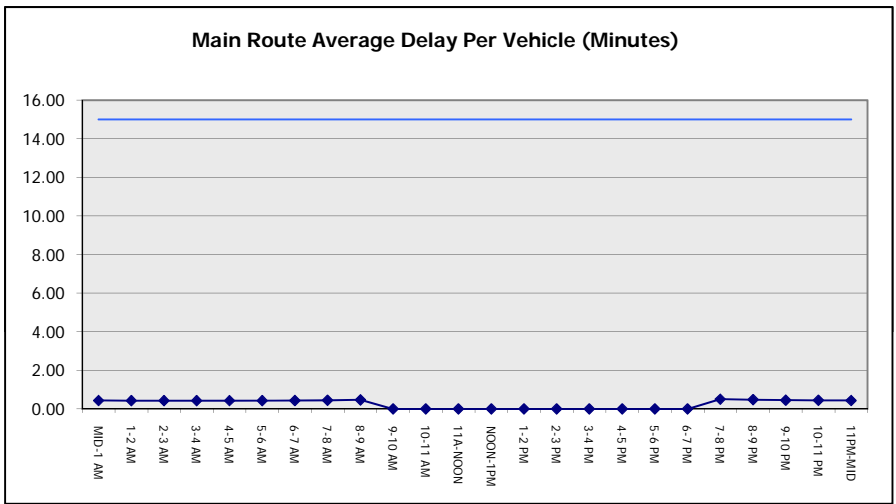
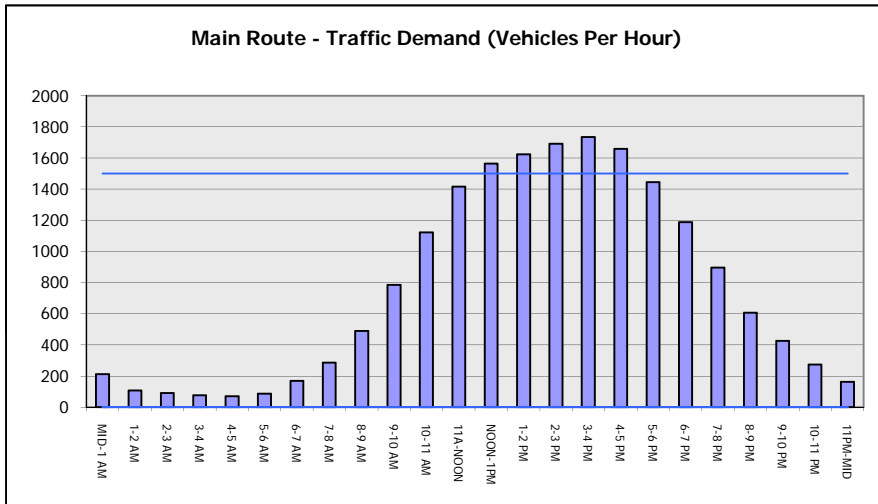
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$437
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 43: STH 172 TO STH 42 (SHEBOYGAN, MANITOWOC AND BROWN COUNTIES)
NIGHTTIME CLOSURE
DIVERSION ROUTE: STH 96 - CTH R - USH 141

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



IH 43: STH 172 TO STH 42 (SHEBOYGAN, MANITOWOC AND BROWN COUNTIES) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 96 - CTH R - USH 141	AUGUST
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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	145	0.0	26	0.0	1500	145	0	26	0.44	0	66.1	61.9	44.9	19.7	19.7	
1-2 AM	91	0.0	17	0.0	1500	91	0	17	0.43	0	66.2	62.0	45.1	19.7	19.7	
2-3 AM	68	0.0	13	0.0	1500	68	0	13	0.43	0	66.3	62.1	45.2	19.8	19.8	
3-4 AM	47	0.0	8	0.0	1500	47	0	8	0.43	0	66.3	62.2	45.3	19.8	19.8	
4-5 AM	46	0.0	8	0.0	1500	46	0	8	0.43	0	66.3	62.2	45.3	19.8	19.8	
5-6 AM	99	0.0	18	0.0	1500	99	0	18	0.43	0	66.2	62.0	45.1	19.7	19.7	
6-7 AM	129	0.0	24	0.0	1500	129	0	24	0.43	0	66.1	62.0	45.0	19.7	19.7	
7-8 AM	195	0.0	36	0.0	1500	195	0	36	0.44	0	66.0	61.8	44.7	19.6	19.6	
8-9 AM	322	0.0	59	0.0	1500	322	0	59	0.45	0	65.8	61.5	44.2	19.5	19.5	
9-10 AM	524	0.0	96	0.0	OFF	524	0	96	0.00	0	65.4	65.4	65.4	19.3	19.3	
10-11 AM	738	0.0	135	0.0	OFF	738	0	135	0.00	0	65.0	65.0	65.0	19.1	19.1	
11A-NOON	904	0.0	165	0.0	OFF	904	0	165	0.00	0	64.7	64.7	64.7	18.8	18.8	
NOON-1PM	970	0.0	178	0.0	OFF	970	0	178	0.00	0	64.6	64.6	64.6	18.8	18.8	
1-2 PM	950	0.0	174	0.0	OFF	950	0	174	0.00	0	64.6	64.6	64.6	18.8	18.8	
2-3 PM	890	0.0	163	0.0	OFF	890	0	163	0.00	0	64.7	64.7	64.7	18.9	18.9	
3-4 PM	835	0.0	153	0.0	OFF	835	0	153	0.00	0	64.8	64.8	64.8	18.9	18.9	
4-5 PM	809	0.0	149	0.0	OFF	809	0	149	0.00	0	64.9	64.9	64.9	18.9	18.9	
5-6 PM	756	0.0	138	0.0	OFF	756	0	138	0.00	0	65.0	65.0	65.0	19.0	19.0	
6-7 PM	660	0.0	121	0.0	OFF	660	0	121	0.00	0	65.1	65.1	65.1	19.1	19.1	
7-8 PM	559	0.0	103	0.0	1500	559	0	103	0.48	0	65.3	60.9	43.3	19.3	19.3	
8-9 PM	484	0.0	89	0.0	1500	484	0	89	0.47	0	65.5	61.1	43.6	19.3	19.3	
9-10 PM	325	0.0	60	0.0	1500	325	0	60	0.45	0	65.8	61.5	44.2	19.5	19.5	
10-11 PM	234	0.0	43	0.0	1500	234	0	43	0.45	0	66.0	61.7	44.5	19.6	19.6	
11PM-MID	147	0.0	27	0.0	1500	147	0	27	0.44	0	66.1	61.9	44.9	19.7	19.7	

"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	0.0123
MAIN ROUTE WITH WORKS	0.0122
DIVERSION	0.0198

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$310
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 NIGHTTIME CLOSURE
 DIVERSION ROUTE: STH 96 - CTH R - USH 141**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

