

<b>IH 43: STH 172 TO STH 42 (SHEBOYGAN, MANITOWOC AND BROWN COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 96 - CTH R - USH 141</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	94	0.0	18	0.0	1500	94	0	18	0.43	0	66.2	62.0	45.1	19.7	19.7
1-2 AM	62	0.0	12	0.0	1500	62	0	12	0.43	0	66.3	62.1	45.3	19.8	19.8
2-3 AM	73	0.0	14	0.0	1500	73	0	14	0.43	0	66.3	62.1	45.2	19.8	19.8
3-4 AM	85	0.0	16	0.0	1500	85	0	16	0.43	0	66.2	62.0	45.1	19.7	19.7
4-5 AM	160	0.0	29	0.0	1500	160	0	29	0.44	0	66.1	61.9	44.8	19.7	19.7
5-6 AM	371	0.0	68	0.0	1500	371	0	68	0.46	0	65.7	61.4	44.0	19.4	19.4
6-7 AM	605	0.0	111	0.0	1500	605	0	111	0.48	0	65.3	60.8	43.1	19.2	19.2
7-8 AM	664	0.0	121	0.0	1500	664	0	121	0.49	0	65.1	60.6	42.9	19.1	19.1
8-9 AM	613	0.0	113	0.0	1500	613	0	113	0.48	0	65.3	60.7	43.1	19.2	19.2
9-10 AM	644	0.0	118	0.0	1500	644	0	118	0.48	0	65.2	60.7	43.0	19.1	19.1
10-11 AM	714	0.0	131	0.0	1500	714	0	131	0.49	0	65.1	60.5	42.7	19.1	19.1
11A-NOON	758	0.0	139	0.0	1500	758	0	139	0.50	0	65.0	60.4	42.5	19.0	19.0
NOON-1PM	753	0.0	138	0.0	1500	753	0	138	0.50	0	65.0	60.4	42.5	19.0	19.0
1-2 PM	807	0.0	149	0.0	1500	807	0	149	0.50	0	64.9	60.3	42.4	18.9	18.9
2-3 PM	888	0.0	163	0.0	1500	888	0	163	0.51	0	64.7	60.1	42.1	18.9	18.9
3-4 PM	1007	0.0	184	0.0	1500	1007	0	184	0.52	0	64.5	59.8	41.7	18.8	18.8
4-5 PM	1133	0.0	208	0.0	1500	1133	0	208	0.55	0	64.3	59.4	40.7	18.6	18.6
5-6 PM	1028	0.0	188	0.0	1500	1028	0	188	0.52	0	64.5	59.7	41.6	18.7	18.7
6-7 PM	653	0.0	119	0.0	1500	653	0	119	0.49	0	65.1	60.7	42.9	19.1	19.1
7-8 PM	483	0.0	89	0.0	1500	483	0	89	0.47	0	65.5	61.1	43.6	19.3	19.3
8-9 PM	434	0.0	80	0.0	1500	434	0	80	0.46	0	65.6	61.2	43.8	19.4	19.4
9-10 PM	355	0.0	65	0.0	1500	355	0	65	0.46	0	65.7	61.4	44.1	19.5	19.5
10-11 PM	312	0.0	55	0.0	1500	312	0	55	0.45	0	65.8	61.5	44.2	19.5	19.5
11PM-MID	180	0.0	32	0.0	1500	180	0	32	0.44	0	66.1	61.9	44.8	19.7	19.7

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0146
MAIN ROUTE WITH WORKS	0.0137
DIVERSION	0.0233

PIA: Personal Injury Accidents

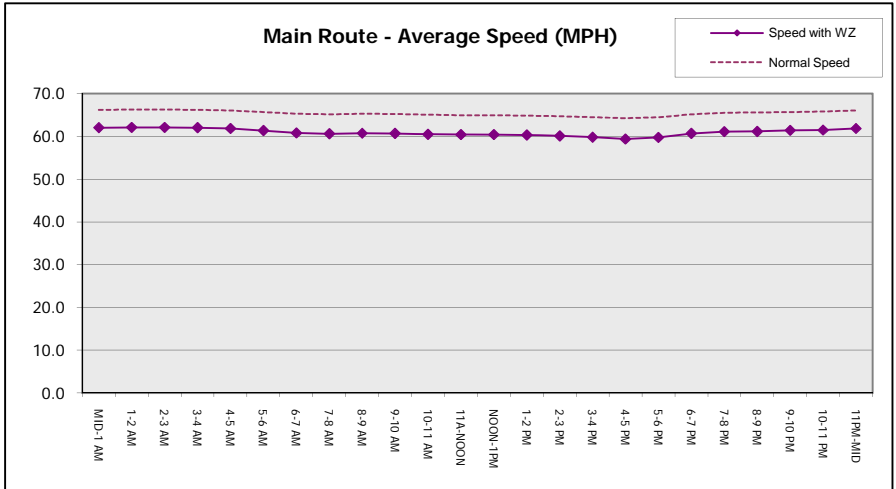
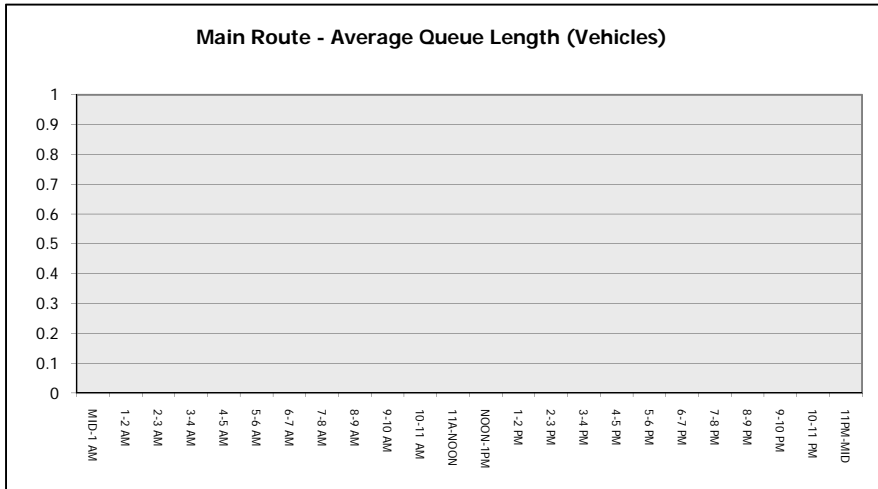
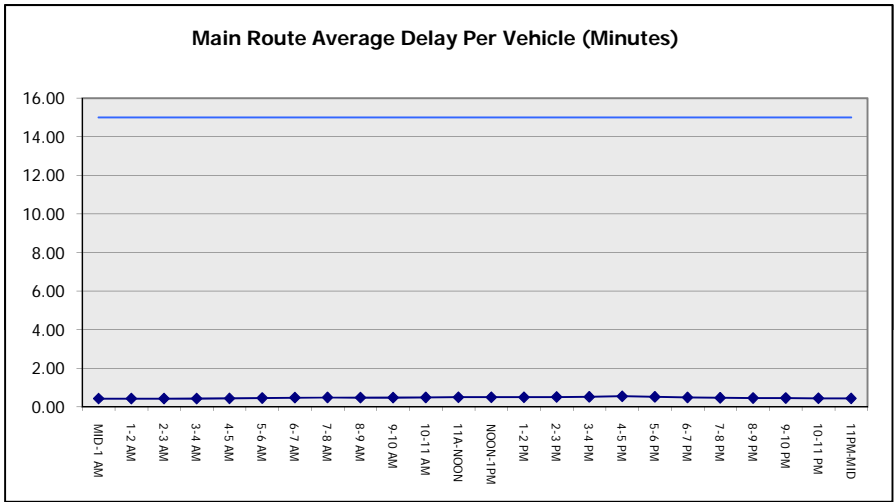
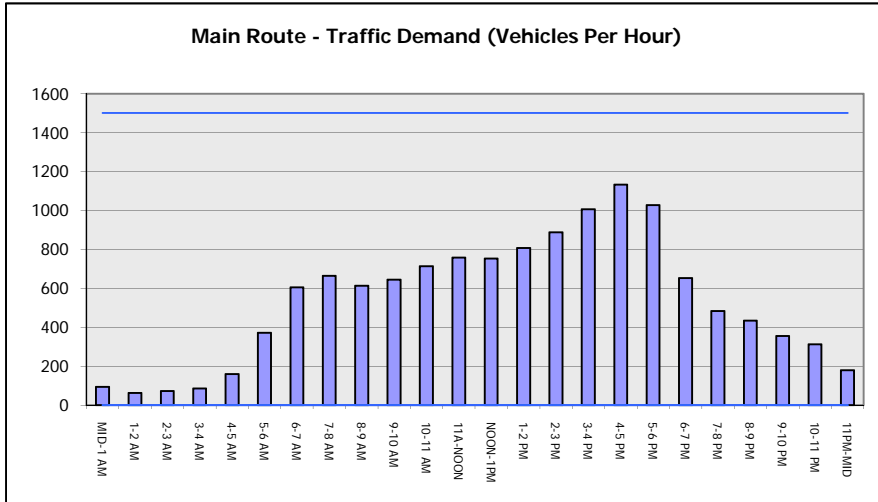
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,271
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 43: STH 172 TO STH 42 (SHEBOYGAN, MANITOWOC AND BROWN COUNTIES)  
 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: STH 96 - CTH R - USH 141**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR SOUTHBOUND DIRECTION**



<b>IH 43: STH 172 TO STH 42 (SHEBOYGAN, MANITOWOC AND BROWN COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 96 - CTH R - USH 141</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	109	0.0	20	0.0	1500	109	0	20	0.43	0	66.2	62.0	45.0	19.7	19.7
1-2 AM	81	0.0	15	0.0	1500	81	0	15	0.43	0	66.3	62.1	45.1	19.8	19.8
2-3 AM	77	0.0	14	0.0	1500	77	0	14	0.43	0	66.3	62.1	45.2	19.8	19.8
3-4 AM	77	0.0	15	0.0	1500	77	0	15	0.43	0	66.3	62.1	45.2	19.8	19.8
4-5 AM	155	0.0	28	0.0	1500	155	0	28	0.44	0	66.1	61.9	44.8	19.7	19.7
5-6 AM	386	0.0	71	0.0	1500	386	0	71	0.46	0	65.6	61.3	44.0	19.4	19.4
6-7 AM	716	0.0	132	0.0	1500	716	0	132	0.49	0	65.1	60.5	42.7	19.1	19.1
7-8 AM	938	0.0	172	0.0	1500	938	0	172	0.51	0	64.6	60.0	41.9	18.8	18.8
8-9 AM	711	0.0	131	0.0	1500	711	0	131	0.49	0	65.1	60.5	42.7	19.1	19.1
9-10 AM	702	0.0	129	0.0	1500	702	0	129	0.49	0	65.1	60.5	42.7	19.1	19.1
10-11 AM	756	0.0	138	0.0	1500	756	0	138	0.50	0	65.0	60.4	42.5	19.0	19.0
11A-NOON	786	0.0	144	0.0	1500	786	0	144	0.50	0	64.9	60.4	42.4	19.0	19.0
NOON-1PM	786	0.0	144	0.0	1500	786	0	144	0.50	0	64.9	60.4	42.4	19.0	19.0
1-2 PM	801	0.0	146	0.0	1500	801	0	146	0.50	0	64.9	60.3	42.4	18.9	18.9
2-3 PM	847	0.0	155	0.0	1500	847	0	155	0.50	0	64.8	60.2	42.2	18.9	18.9
3-4 PM	962	0.0	176	0.0	1500	962	0	176	0.52	0	64.6	59.9	41.8	18.8	18.8
4-5 PM	1041	0.0	189	0.0	1500	1041	0	189	0.52	0	64.5	59.7	41.5	18.7	18.7
5-6 PM	947	0.0	173	0.0	1500	947	0	173	0.51	0	64.6	59.9	41.9	18.8	18.8
6-7 PM	647	0.0	117	0.0	1500	647	0	117	0.49	0	65.2	60.7	43.0	19.1	19.1
7-8 PM	448	0.0	82	0.0	1500	448	0	82	0.47	0	65.6	61.2	43.7	19.4	19.4
8-9 PM	380	0.0	69	0.0	1500	380	0	69	0.46	0	65.7	61.4	44.0	19.4	19.4
9-10 PM	311	0.0	56	0.0	1500	311	0	56	0.45	0	65.8	61.5	44.2	19.5	19.5
10-11 PM	234	0.0	42	0.0	1500	234	0	42	0.45	0	66.0	61.7	44.5	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

*----- 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	0.0148
MAIN ROUTE WITH WORKS	0.0139
DIVERSION	0.0236

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,287
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: STH 96 - CTH R - USH 141**

**AUGUST**  
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR NORTHBOUND DIRECTION**

