

<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>OCTOBER</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

**SATURDAY 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	137	0.0	25	0.0	1500	137	0	25	0.44	0	66.1	61.9	45.0	19.7	19.7
1-2 AM	87	0.0	16	0.0	1500	87	0	16	0.43	0	66.2	62.0	45.1	19.7	19.7
2-3 AM	80	0.0	15	0.0	1500	80	0	15	0.43	0	66.3	62.1	45.1	19.8	19.8
3-4 AM	71	0.0	13	0.0	1500	71	0	13	0.43	0	66.3	62.1	45.2	19.8	19.8
4-5 AM	95	0.0	18	0.0	1500	95	0	18	0.43	0	66.2	62.0	45.1	19.7	19.7
5-6 AM	160	0.0	29	0.0	1500	160	0	29	0.44	0	66.1	61.9	44.8	19.7	19.7
6-7 AM	230	0.0	42	0.0	1500	230	0	42	0.44	0	66.0	61.7	44.6	19.6	19.6
7-8 AM	330	0.0	61	0.0	1500	330	0	61	0.45	0	65.8	61.5	44.2	19.5	19.5
8-9 AM	487	0.0	89	0.0	1500	487	0	89	0.47	0	65.5	61.0	43.5	19.3	19.3
9-10 AM	572	0.0	105	0.0	1500	572	0	105	0.48	0	65.3	60.9	43.2	19.3	19.3
10-11 AM	685	0.0	126	0.0	1500	685	0	126	0.49	0	65.1	60.6	42.8	19.1	19.1
11A-NOON	713	0.0	131	0.0	1500	713	0	131	0.49	0	65.1	60.5	42.7	19.1	19.1
NOON-1PM	740	0.0	136	0.0	1500	740	0	136	0.49	0	65.0	60.4	42.6	19.0	19.0
1-2 PM	753	0.0	138	0.0	1500	753	0	138	0.50	0	65.0	60.4	42.5	19.0	19.0
2-3 PM	767	0.0	140	0.0	1500	767	0	140	0.50	0	65.0	60.4	42.5	19.0	19.0
3-4 PM	803	0.0	148	0.0	1500	803	0	148	0.50	0	64.9	60.3	42.4	18.9	18.9
4-5 PM	779	0.0	142	0.0	1500	779	0	142	0.50	0	65.0	60.4	42.5	19.0	19.0
5-6 PM	676	0.0	123	0.0	1500	676	0	123	0.49	0	65.1	60.6	42.8	19.1	19.1
6-7 PM	614	0.0	113	0.0	1500	614	0	113	0.48	0	65.3	60.7	43.1	19.2	19.2
7-8 PM	560	0.0	103	0.0	1500	560	0	103	0.48	0	65.3	60.9	43.3	19.3	19.3
8-9 PM	507	0.0	93	0.0	1500	507	0	93	0.47	0	65.5	61.0	43.5	19.3	19.3
9-10 PM	449	0.0	83	0.0	1500	449	0	83	0.47	0	65.6	61.2	43.7	19.4	19.4
10-11 PM	294	0.0	54	0.0	1500	294	0	54	0.45	0	65.8	61.5	44.3	19.6	19.6
11PM-MID	250	0.0	46	0.0	1500	250	0	46	0.45	0	65.9	61.7	44.5	19.6	19.6

*----- 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	0.0115
DIVERSION	0.0196

PIA: Personal Injury Accidents

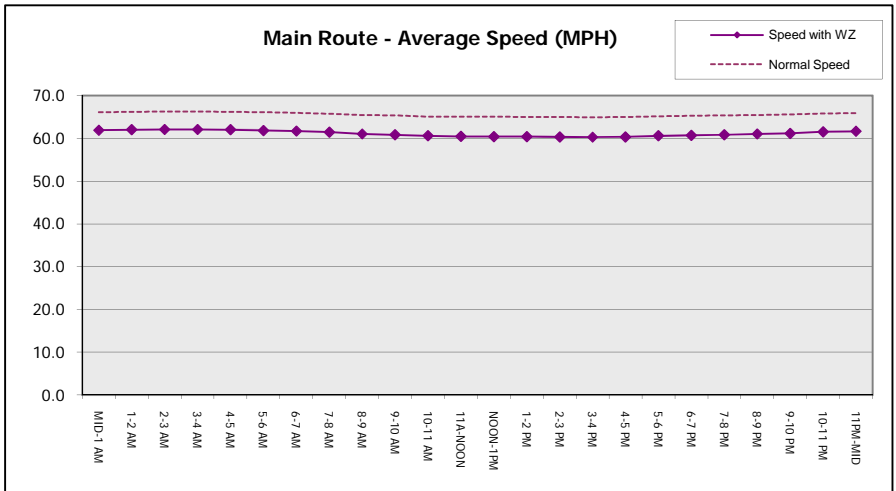
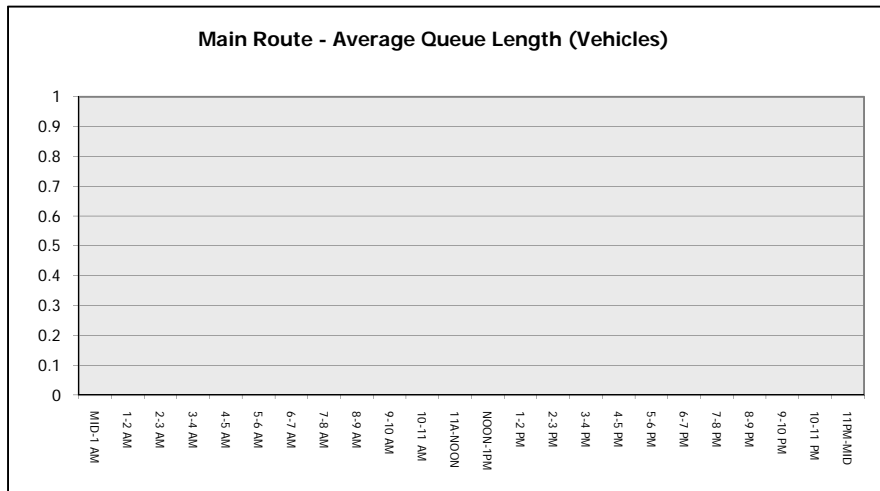
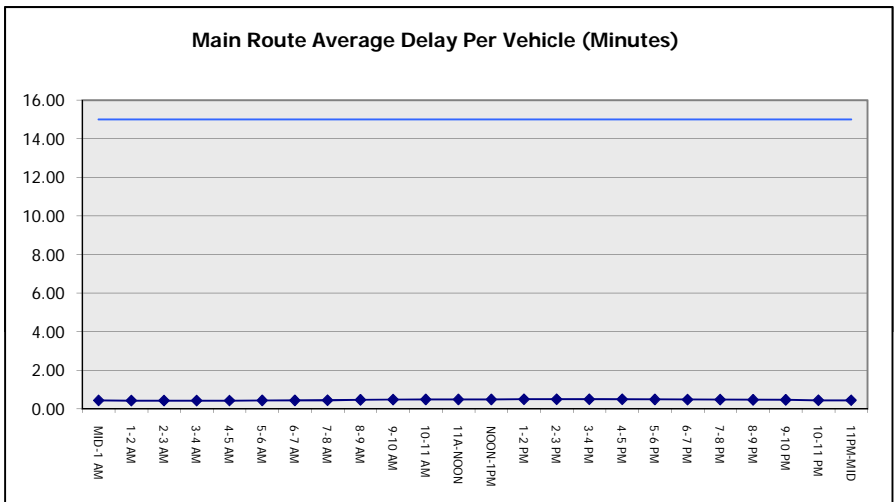
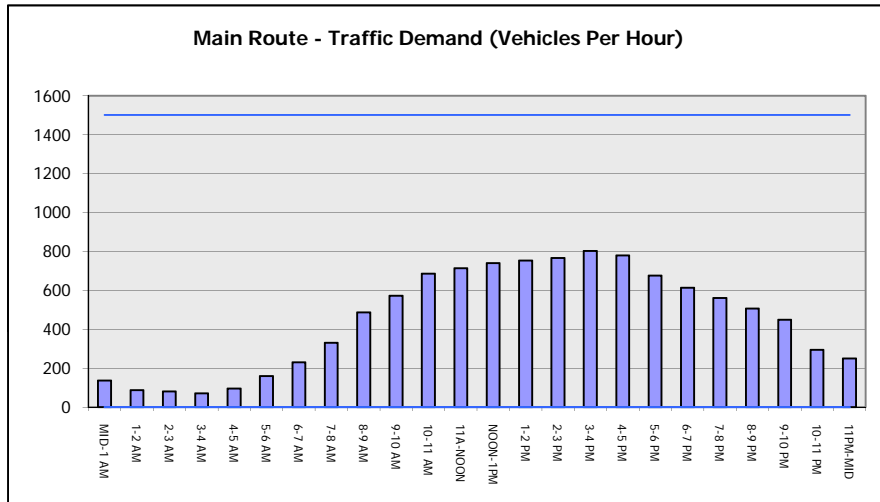
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,316
CONGESTED HOURS PER DAY*	0

\*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**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY 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>OCTOBER</b>
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**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	146	0.0	27	0.0	1500	146	0	27	0.44	0	66.1	61.9	44.9	19.7	19.7
1-2 AM	96	0.0	18	0.0	1500	96	0	18	0.43	0	66.2	62.0	45.1	19.7	19.7
2-3 AM	69	0.0	13	0.0	1500	69	0	13	0.43	0	66.3	62.1	45.2	19.8	19.8
3-4 AM	71	0.0	13	0.0	1500	71	0	13	0.43	0	66.3	62.1	45.2	19.8	19.8
4-5 AM	103	0.0	19	0.0	1500	103	0	19	0.43	0	66.2	62.0	45.1	19.7	19.7
5-6 AM	183	0.0	33	0.0	1500	183	0	33	0.44	0	66.1	61.9	44.8	19.7	19.7
6-7 AM	308	0.0	57	0.0	1500	308	0	57	0.45	0	65.8	61.5	44.3	19.5	19.5
7-8 AM	446	0.0	82	0.0	1500	446	0	82	0.47	0	65.6	61.2	43.7	19.4	19.4
8-9 AM	689	0.0	127	0.0	1500	689	0	127	0.49	0	65.1	60.5	42.8	19.1	19.1
9-10 AM	837	0.0	154	0.0	1500	837	0	154	0.50	0	64.8	60.2	42.2	18.9	18.9
10-11 AM	973	0.0	178	0.0	1500	973	0	178	0.52	0	64.6	59.9	41.8	18.8	18.8
11A-NOON	1016	0.0	186	0.0	1500	1016	0	186	0.52	0	64.5	59.8	41.6	18.7	18.7
NOON-1PM	947	0.0	174	0.0	1500	947	0	174	0.51	0	64.6	59.9	41.9	18.8	18.8
1-2 PM	914	0.0	167	0.0	1500	914	0	167	0.51	0	64.7	60.1	42.0	18.8	18.8
2-3 PM	840	0.0	154	0.0	1500	840	0	154	0.50	0	64.8	60.2	42.2	18.9	18.9
3-4 PM	830	0.0	152	0.0	1500	830	0	152	0.50	0	64.8	60.2	42.3	18.9	18.9
4-5 PM	810	0.0	149	0.0	1500	810	0	149	0.50	0	64.9	60.3	42.4	18.9	18.9
5-6 PM	778	0.0	142	0.0	1500	778	0	142	0.50	0	65.0	60.4	42.5	19.0	19.0
6-7 PM	675	0.0	123	0.0	1500	675	0	123	0.49	0	65.1	60.6	42.8	19.1	19.1
7-8 PM	498	0.0	91	0.0	1500	498	0	91	0.47	0	65.5	61.0	43.5	19.3	19.3
8-9 PM	396	0.0	72	0.0	1500	396	0	72	0.46	0	65.6	61.3	43.9	19.4	19.4
9-10 PM	303	0.0	55	0.0	1500	303	0	55	0.45	0	65.8	61.5	44.3	19.5	19.5
10-11 PM	252	0.0	46	0.0	1500	252	0	46	0.45	0	65.9	61.7	44.5	19.6	19.6
11PM-MID	169	0.0	31	0.0	1500	169	0	31	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	0.0140
MAIN ROUTE WITH WORKS	0.0131
DIVERSION	0.0223

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,534
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**

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**SATURDAY NORTHBOUND DIRECTION**

