

<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>MAY</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	81	0.0	15	0.0	1500	81	0	15	0.43	0	66.3	62.1	45.1	19.8	19.8
1-2 AM	60	0.0	10	0.0	1500	60	0	10	0.43	0	66.3	62.2	45.3	19.8	19.8
2-3 AM	62	0.0	12	0.0	1500	62	0	12	0.43	0	66.3	62.1	45.3	19.8	19.8
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	138	0.0	25	0.0	1500	138	0	25	0.44	0	66.1	61.9	45.0	19.7	19.7
5-6 AM	338	0.0	62	0.0	1500	338	0	62	0.46	0	65.8	61.4	44.2	19.5	19.5
6-7 AM	558	0.0	103	0.0	1500	558	0	103	0.48	0	65.3	60.9	43.3	19.3	19.3
7-8 AM	625	0.0	114	0.0	1500	625	0	114	0.48	0	65.2	60.7	43.0	19.2	19.2
8-9 AM	551	0.0	102	0.0	1500	551	0	102	0.48	0	65.3	60.9	43.3	19.3	19.3
9-10 AM	566	0.0	104	0.0	1500	566	0	104	0.48	0	65.3	60.9	43.3	19.3	19.3
10-11 AM	607	0.0	111	0.0	1500	607	0	111	0.48	0	65.3	60.8	43.1	19.2	19.2
11A-NOON	629	0.0	114	0.0	1500	629	0	114	0.48	0	65.2	60.7	43.0	19.2	19.2
NOON-1PM	669	0.0	121	0.0	1500	669	0	121	0.49	0	65.1	60.6	42.8	19.1	19.1
1-2 PM	721	0.0	131	0.0	1500	721	0	131	0.49	0	65.0	60.5	42.7	19.1	19.1
2-3 PM	799	0.0	146	0.0	1500	799	0	146	0.50	0	64.9	60.3	42.4	18.9	18.9
3-4 PM	908	0.0	165	0.0	1500	908	0	165	0.51	0	64.7	60.1	42.0	18.8	18.8
4-5 PM	1033	0.0	189	0.0	1500	1033	0	189	0.52	0	64.5	59.7	41.5	18.7	18.7
5-6 PM	934	0.0	171	0.0	1500	934	0	171	0.51	0	64.6	60.0	41.9	18.8	18.8
6-7 PM	607	0.0	111	0.0	1500	607	0	111	0.48	0	65.3	60.8	43.1	19.2	19.2
7-8 PM	439	0.0	81	0.0	1500	439	0	81	0.47	0	65.6	61.2	43.7	19.4	19.4
8-9 PM	382	0.0	70	0.0	1500	382	0	70	0.46	0	65.7	61.4	44.0	19.4	19.4
9-10 PM	297	0.0	54	0.0	1500	297	0	54	0.45	0	65.8	61.5	44.3	19.6	19.6
10-11 PM	185	0.0	35	0.0	1500	185	0	35	0.44	0	66.0	61.8	44.7	19.7	19.7
11PM-MID	128	0.0	23	0.0	1500	128	0	23	0.43	0	66.1	62.0	45.0	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	0.0129
MAIN ROUTE WITH WORKS	0.0121
DIVERSION	0.0205

PIA: Personal Injury Accidents

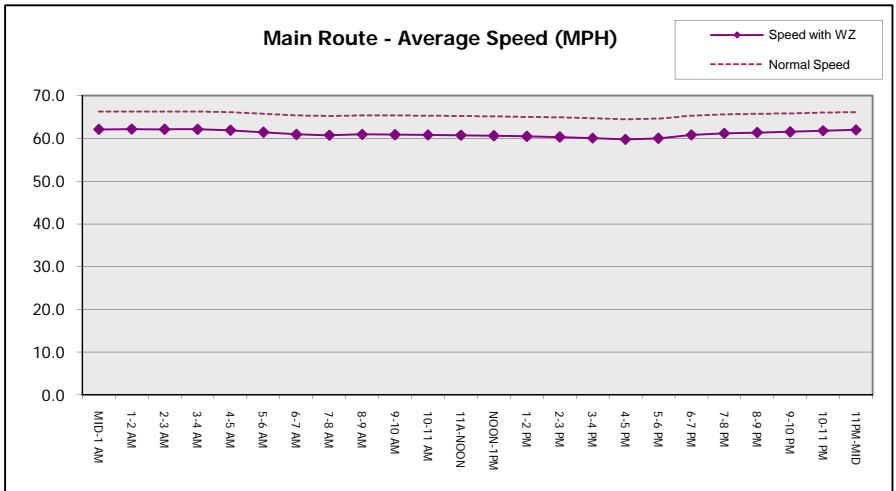
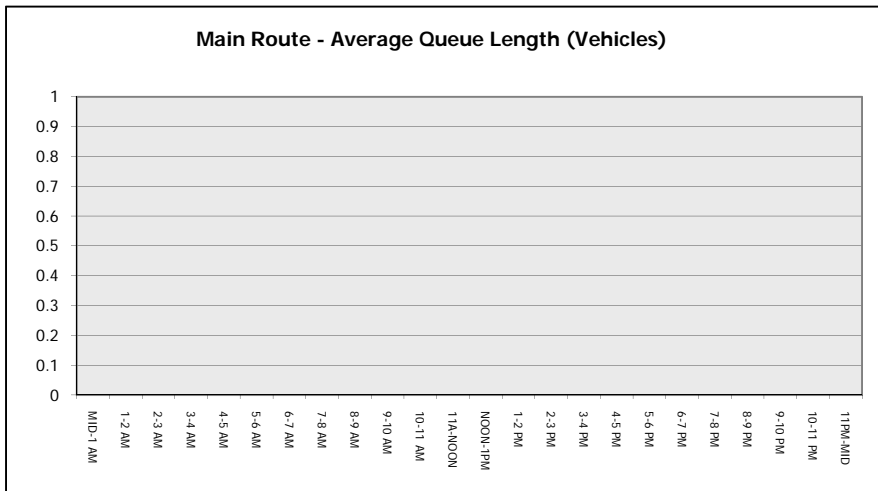
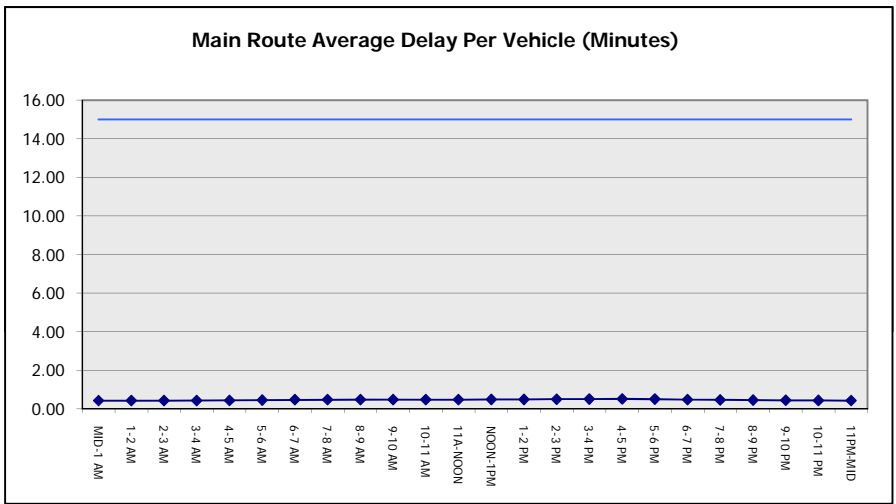
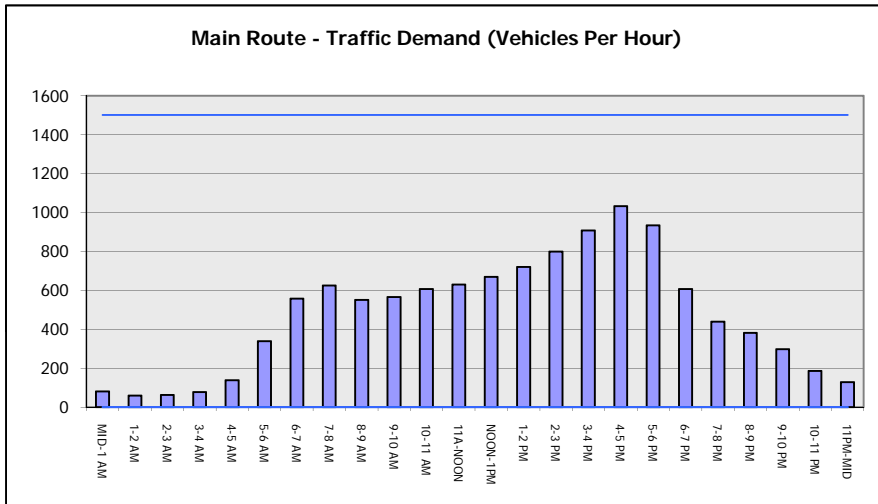
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,096
CONGESTED HOURS PER DAY*	0

\*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**

**MAY**  
 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>MAY</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	70	0.0	13	0.0	1500	70	0	13	0.43	0	66.3	62.1	45.2	19.8	19.8
1-2 AM	56	0.0	10	0.0	1500	56	0	10	0.43	0	66.3	62.2	45.3	19.8	19.8
2-3 AM	63	0.0	12	0.0	1500	63	0	12	0.43	0	66.3	62.1	45.3	19.8	19.8
3-4 AM	63	0.0	12	0.0	1500	63	0	12	0.43	0	66.3	62.1	45.3	19.8	19.8
4-5 AM	131	0.0	24	0.0	1500	131	0	24	0.44	0	66.1	62.0	45.0	19.7	19.7
5-6 AM	367	0.0	67	0.0	1500	367	0	67	0.46	0	65.7	61.4	44.0	19.4	19.4
6-7 AM	679	0.0	125	0.0	1500	679	0	125	0.49	0	65.1	60.6	42.8	19.1	19.1
7-8 AM	882	0.0	161	0.0	1500	882	0	161	0.51	0	64.8	60.1	42.1	18.9	18.9
8-9 AM	641	0.0	117	0.0	1500	641	0	117	0.48	0	65.2	60.7	43.0	19.1	19.1
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	585	0.0	108	0.0	1500	585	0	108	0.48	0	65.3	60.9	43.2	19.2	19.2
11A-NOON	572	0.0	105	0.0	1500	572	0	105	0.48	0	65.3	60.9	43.2	19.3	19.3
NOON-1PM	583	0.0	107	0.0	1500	583	0	107	0.48	0	65.3	60.9	43.2	19.2	19.2
1-2 PM	618	0.0	113	0.0	1500	618	0	113	0.48	0	65.2	60.7	43.0	19.2	19.2
2-3 PM	656	0.0	120	0.0	1500	656	0	120	0.49	0	65.1	60.7	42.9	19.1	19.1
3-4 PM	808	0.0	148	0.0	1500	808	0	148	0.50	0	64.9	60.3	42.4	18.9	18.9
4-5 PM	876	0.0	160	0.0	1500	876	0	160	0.51	0	64.8	60.1	42.1	18.9	18.9
5-6 PM	791	0.0	144	0.0	1500	791	0	144	0.50	0	64.9	60.3	42.4	19.0	19.0
6-7 PM	557	0.0	103	0.0	1500	557	0	103	0.48	0	65.3	60.9	43.3	19.3	19.3
7-8 PM	353	0.0	65	0.0	1500	353	0	65	0.46	0	65.7	61.4	44.1	19.5	19.5
8-9 PM	291	0.0	53	0.0	1500	291	0	53	0.45	0	65.8	61.5	44.3	19.6	19.6
9-10 PM	248	0.0	45	0.0	1500	248	0	45	0.45	0	66.0	61.7	44.5	19.6	19.6
10-11 PM	191	0.0	35	0.0	1500	191	0	35	0.44	0	66.0	61.8	44.7	19.7	19.7
11PM-MID	119	0.0	22	0.0	1500	119	0	22	0.43	0	66.1	62.0	45.0	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	0.0122
MAIN ROUTE WITH WORKS	0.0115
DIVERSION	0.0195

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,031
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**

**MAY**  
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 Construction Season

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

