

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

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	134	0.0	24	0.0	1500	134	0	24	0.44	0	66.1	62.0	45.0	19.7	19.7
1-2 AM	85	0.0	16	0.0	1500	85	0	16	0.43	0	66.2	62.0	45.1	19.7	19.7
2-3 AM	81	0.0	15	0.0	1500	81	0	15	0.43	0	66.3	62.1	45.1	19.8	19.8
3-4 AM	72	0.0	14	0.0	1500	72	0	14	0.43	0	66.3	62.1	45.2	19.8	19.8
4-5 AM	80	0.0	15	0.0	1500	80	0	15	0.43	0	66.3	62.1	45.1	19.8	19.8
5-6 AM	149	0.0	27	0.0	1500	149	0	27	0.44	0	66.1	61.9	44.9	19.7	19.7
6-7 AM	253	0.0	46	0.0	1500	253	0	46	0.45	0	65.9	61.7	44.5	19.6	19.6
7-8 AM	423	0.0	77	0.0	1500	423	0	77	0.46	0	65.6	61.2	43.8	19.4	19.4
8-9 AM	519	0.0	95	0.0	1500	519	0	95	0.47	0	65.4	61.0	43.4	19.3	19.3
9-10 AM	582	0.0	107	0.0	1500	582	0	107	0.48	0	65.3	60.9	43.2	19.2	19.2
10-11 AM	636	0.0	116	0.0	1500	636	0	116	0.48	0	65.2	60.7	43.0	19.1	19.1
11A-NOON	689	0.0	127	0.0	1500	689	0	127	0.49	0	65.1	60.5	42.8	19.1	19.1
NOON-1PM	705	0.0	130	0.0	1500	705	0	130	0.49	0	65.1	60.5	42.7	19.1	19.1
1-2 PM	666	0.0	122	0.0	1500	666	0	122	0.49	0	65.1	60.6	42.9	19.1	19.1
2-3 PM	704	0.0	129	0.0	1500	704	0	129	0.49	0	65.1	60.5	42.7	19.1	19.1
3-4 PM	744	0.0	136	0.0	1500	744	0	136	0.49	0	65.0	60.4	42.6	19.0	19.0
4-5 PM	727	0.0	133	0.0	1500	727	0	133	0.49	0	65.0	60.5	42.7	19.1	19.1
5-6 PM	625	0.0	114	0.0	1500	625	0	114	0.48	0	65.2	60.7	43.0	19.2	19.2
6-7 PM	562	0.0	103	0.0	1500	562	0	103	0.48	0	65.3	60.9	43.3	19.3	19.3
7-8 PM	467	0.0	86	0.0	1500	467	0	86	0.47	0	65.5	61.1	43.7	19.3	19.3
8-9 PM	431	0.0	79	0.0	1500	431	0	79	0.46	0	65.6	61.2	43.8	19.4	19.4
9-10 PM	366	0.0	67	0.0	1500	366	0	67	0.46	0	65.7	61.4	44.0	19.4	19.4
10-11 PM	256	0.0	47	0.0	1500	256	0	47	0.45	0	65.9	61.7	44.5	19.6	19.6
11PM-MID	205	0.0	38	0.0	1500	205	0	38	0.44	0	66.0	61.8	44.6	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	0.0115
MAIN ROUTE WITH WORKS	0.0108
DIVERSION	0.0184

PIA: Personal Injury Accidents

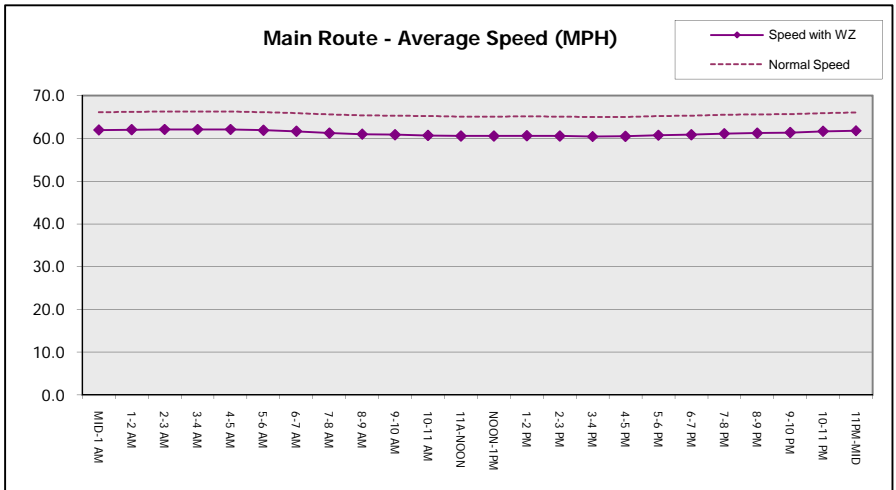
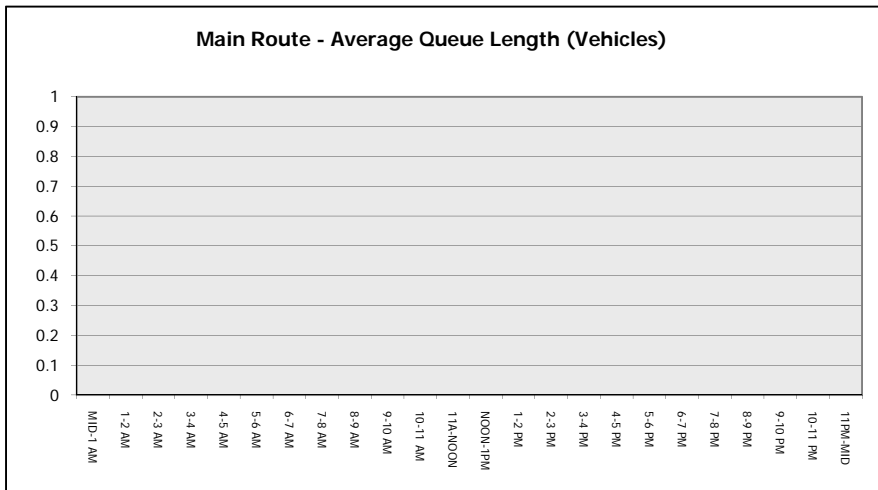
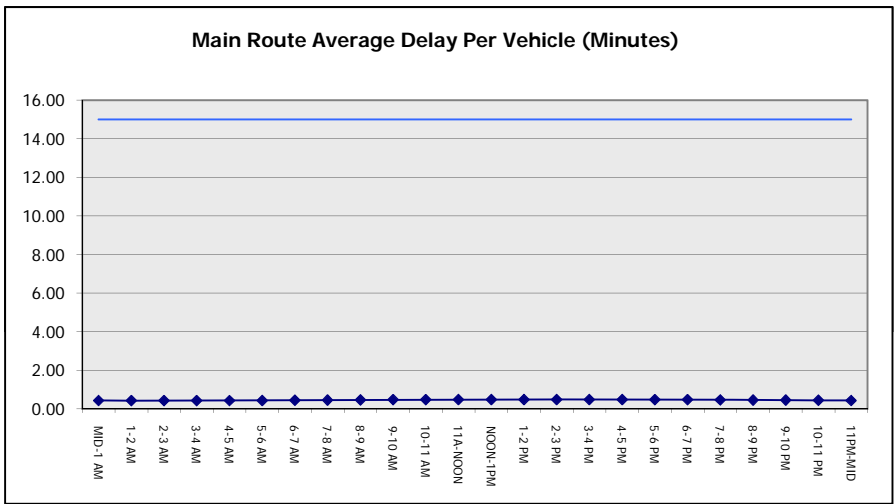
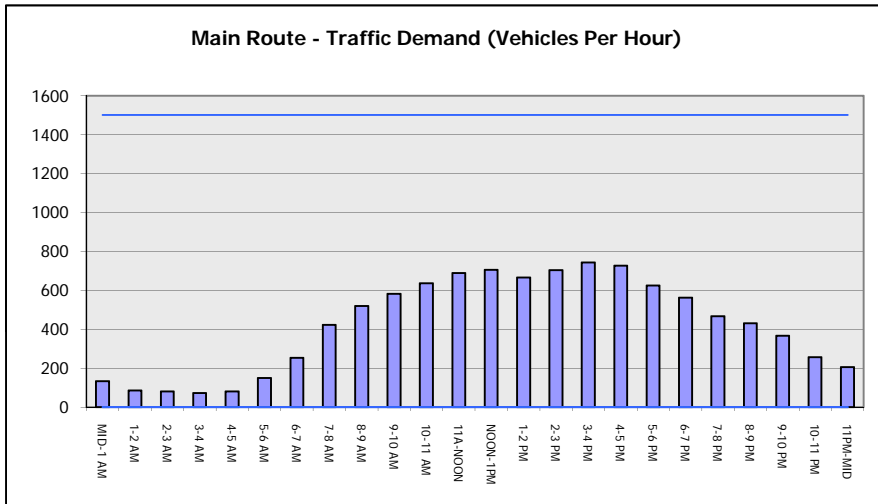
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,218
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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
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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	169	0.0	30	0.0	1500	169	0	30	0.44	0	66.1	61.9	44.8	19.7	19.7
1-2 AM	107	0.0	20	0.0	1500	107	0	20	0.43	0	66.2	62.0	45.1	19.7	19.7
2-3 AM	81	0.0	15	0.0	1500	81	0	15	0.43	0	66.3	62.1	45.1	19.8	19.8
3-4 AM	69	0.0	13	0.0	1500	69	0	13	0.43	0	66.3	62.1	45.2	19.8	19.8
4-5 AM	89	0.0	17	0.0	1500	89	0	17	0.43	0	66.2	62.0	45.1	19.7	19.7
5-6 AM	172	0.0	31	0.0	1500	172	0	31	0.44	0	66.1	61.9	44.8	19.7	19.7
6-7 AM	275	0.0	50	0.0	1500	275	0	50	0.45	0	65.9	61.6	44.4	19.6	19.6
7-8 AM	502	0.0	92	0.0	1500	502	0	92	0.47	0	65.5	61.0	43.5	19.3	19.3
8-9 AM	740	0.0	136	0.0	1500	740	0	136	0.49	0	65.0	60.4	42.6	19.0	19.0
9-10 AM	863	0.0	158	0.0	1500	863	0	158	0.51	0	64.8	60.2	42.2	18.9	18.9
10-11 AM	951	0.0	175	0.0	1500	951	0	175	0.51	0	64.6	59.9	41.9	18.8	18.8
11A-NOON	990	0.0	181	0.0	1500	990	0	181	0.52	0	64.5	59.9	41.7	18.8	18.8
NOON-1PM	966	0.0	177	0.0	1500	966	0	177	0.52	0	64.6	59.9	41.8	18.8	18.8
1-2 PM	897	0.0	164	0.0	1500	897	0	164	0.51	0	64.7	60.1	42.0	18.9	18.9
2-3 PM	823	0.0	151	0.0	1500	823	0	151	0.50	0	64.8	60.2	42.3	18.9	18.9
3-4 PM	815	0.0	150	0.0	1500	815	0	150	0.50	0	64.9	60.2	42.4	18.9	18.9
4-5 PM	761	0.0	139	0.0	1500	761	0	139	0.50	0	65.0	60.4	42.5	19.0	19.0
5-6 PM	647	0.0	118	0.0	1500	647	0	118	0.49	0	65.2	60.7	43.0	19.1	19.1
6-7 PM	538	0.0	98	0.0	1500	538	0	98	0.47	0	65.4	60.9	43.3	19.3	19.3
7-8 PM	438	0.0	81	0.0	1500	438	0	81	0.46	0	65.6	61.2	43.7	19.4	19.4
8-9 PM	348	0.0	64	0.0	1500	348	0	64	0.46	0	65.8	61.4	44.1	19.5	19.5
9-10 PM	315	0.0	58	0.0	1500	315	0	58	0.45	0	65.8	61.5	44.2	19.5	19.5
10-11 PM	257	0.0	47	0.0	1500	257	0	47	0.45	0	65.9	61.7	44.5	19.6	19.6
11PM-MID	178	0.0	32	0.0	1500	178	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	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	0.0136
MAIN ROUTE WITH WORKS	0.0128
DIVERSION	0.0217

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,483
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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SATURDAY NORTHBOUND DIRECTION

