

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

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	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	93	0.0	17	0.0	1500	93	0	17	0.43	0	66.2	62.0	45.1	19.7	19.7
2-3 AM	78	0.0	15	0.0	1500	78	0	15	0.43	0	66.3	62.1	45.2	19.8	19.8
3-4 AM	64	0.0	12	0.0	1500	64	0	12	0.43	0	66.3	62.1	45.2	19.8	19.8
4-5 AM	64	0.0	12	0.0	1500	64	0	12	0.43	0	66.3	62.1	45.2	19.8	19.8
5-6 AM	84	0.0	16	0.0	1500	84	0	16	0.43	0	66.2	62.1	45.1	19.7	19.7
6-7 AM	156	0.0	28	0.0	1500	156	0	28	0.44	0	66.1	61.9	44.8	19.7	19.7
7-8 AM	233	0.0	43	0.0	1500	233	0	43	0.45	0	66.0	61.7	44.5	19.6	19.6
8-9 AM	392	0.0	72	0.0	1500	392	0	72	0.46	0	65.6	61.3	43.9	19.4	19.4
9-10 AM	649	0.0	119	0.0	1500	649	0	119	0.49	0	65.2	60.7	43.0	19.1	19.1
10-11 AM	851	0.0	156	0.0	1500	851	0	156	0.50	0	64.8	60.2	42.2	18.9	18.9
11A-NOON	983	0.0	180	0.0	1500	983	0	180	0.52	0	64.6	59.9	41.7	18.8	18.8
NOON-1PM	1065	0.0	196	0.0	1500	1065	0	196	0.53	0	64.4	59.7	41.4	18.6	18.6
1-2 PM	1119	0.0	205	0.0	1500	1119	0	205	0.53	0	64.3	59.6	41.2	18.6	18.6
2-3 PM	1142	0.0	209	0.0	1500	1142	0	209	0.56	0	64.3	59.2	40.4	18.6	18.6
3-4 PM	1207	0.0	221	0.0	1500	1207	0	221	0.65	0	64.1	58.4	38.2	18.5	18.5
4-5 PM	1231	0.0	226	0.0	1500	1231	0	226	0.68	0	64.1	58.2	37.5	18.4	18.4
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	869	0.0	159	0.0	1500	869	0	159	0.51	0	64.8	60.1	42.2	18.9	18.9
7-8 PM	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 PM	493	0.0	90	0.0	1500	493	0	90	0.47	0	65.5	61.0	43.5	19.3	19.3
9-10 PM	326	0.0	60	0.0	1500	326	0	60	0.45	0	65.8	61.5	44.2	19.5	19.5
10-11 PM	219	0.0	40	0.0	1500	219	0	40	0.44	0	66.0	61.7	44.6	19.6	19.6
11PM-MID	152	0.0	28	0.0	1500	152	0	28	0.44	0	66.1	61.9	44.9	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	0.0150
MAIN ROUTE WITH WORKS	0.0142
DIVERSION	0.0241

PIA: Personal Injury Accidents

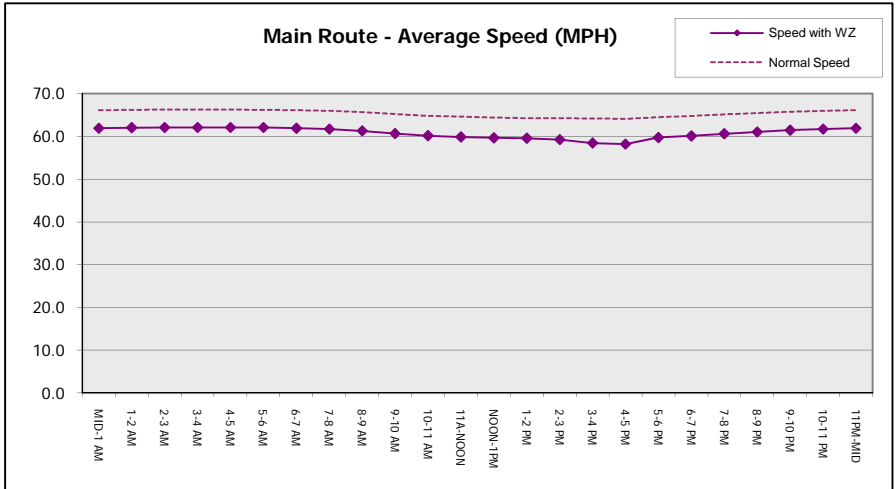
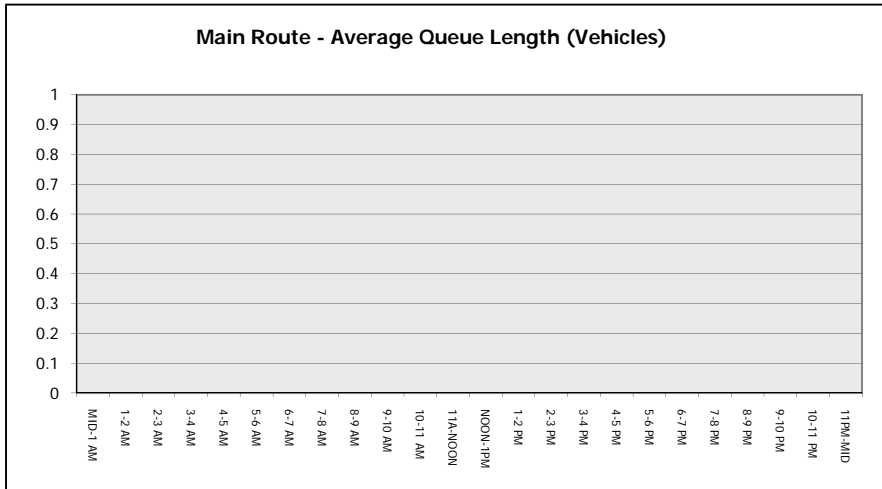
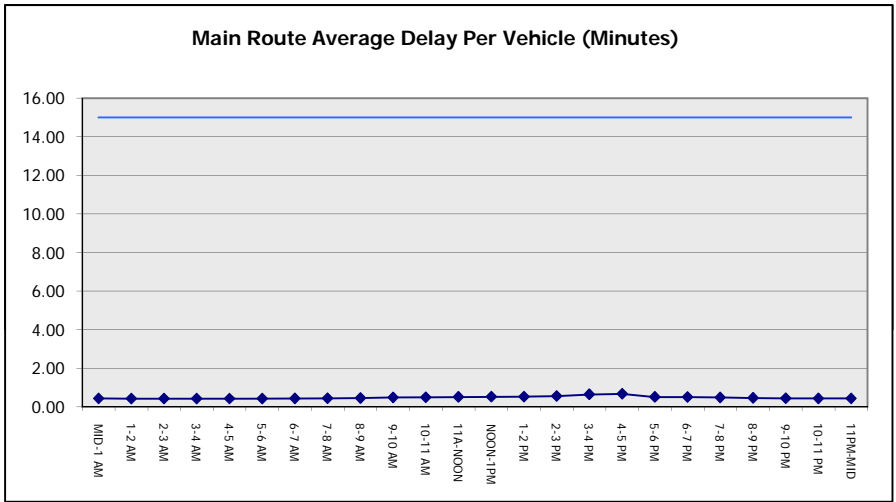
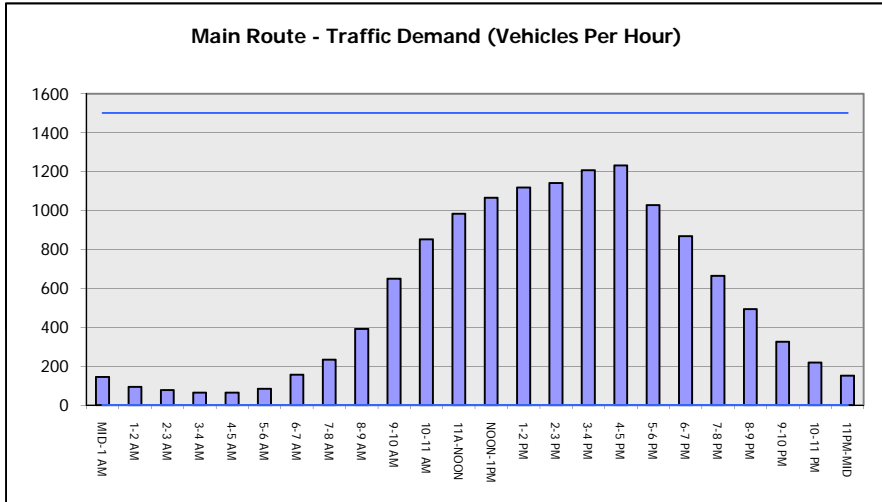
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,826
CONGESTED HOURS PER DAY*	0

*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
SUNDAY 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
	Analyzed for 2009 Construction Season

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	94	0.0	17	0.0	1500	94	0	17	0.43	0	66.2	62.0	45.1	19.7	19.7
1-2 AM	69	0.0	13	0.0	1500	69	0	13	0.43	0	66.3	62.1	45.2	19.8	19.8
2-3 AM	44	0.0	8	0.0	1500	44	0	8	0.43	0	66.3	62.2	45.3	19.8	19.8
3-4 AM	42	0.0	7	0.0	1500	42	0	7	0.43	0	66.3	62.2	45.3	19.8	19.8
4-5 AM	44	0.0	8	0.0	1500	44	0	8	0.43	0	66.3	62.2	45.3	19.8	19.8
5-6 AM	113	0.0	21	0.0	1500	113	0	21	0.43	0	66.2	62.0	45.0	19.7	19.7
6-7 AM	134	0.0	24	0.0	1500	134	0	24	0.44	0	66.1	62.0	45.0	19.7	19.7
7-8 AM	208	0.0	38	0.0	1500	208	0	38	0.44	0	66.0	61.8	44.6	19.6	19.6
8-9 AM	368	0.0	68	0.0	1500	368	0	68	0.46	0	65.7	61.4	44.0	19.4	19.4
9-10 AM	478	0.0	88	0.0	1500	478	0	88	0.47	0	65.5	61.1	43.6	19.3	19.3
10-11 AM	621	0.0	114	0.0	1500	621	0	114	0.48	0	65.2	60.7	43.0	19.2	19.2
11A-NOON	691	0.0	127	0.0	1500	691	0	127	0.49	0	65.1	60.5	42.8	19.1	19.1
NOON-1PM	772	0.0	141	0.0	1500	772	0	141	0.50	0	65.0	60.4	42.5	19.0	19.0
1-2 PM	702	0.0	129	0.0	1500	702	0	129	0.49	0	65.1	60.5	42.7	19.1	19.1
2-3 PM	679	0.0	125	0.0	1500	679	0	125	0.49	0	65.1	60.6	42.8	19.1	19.1
3-4 PM	682	0.0	125	0.0	1500	682	0	125	0.49	0	65.1	60.6	42.8	19.1	19.1
4-5 PM	684	0.0	126	0.0	1500	684	0	126	0.49	0	65.1	60.6	42.8	19.1	19.1
5-6 PM	681	0.0	125	0.0	1500	681	0	125	0.49	0	65.1	60.6	42.8	19.1	19.1
6-7 PM	627	0.0	115	0.0	1500	627	0	115	0.48	0	65.2	60.7	43.0	19.1	19.1
7-8 PM	507	0.0	93	0.0	1500	507	0	93	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	295	0.0	54	0.0	1500	295	0	54	0.45	0	65.8	61.5	44.3	19.6	19.6
10-11 PM	190	0.0	35	0.0	1500	190	0	35	0.44	0	66.0	61.8	44.7	19.7	19.7
11PM-MID	121	0.0	22	0.0	1500	121	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	0.0104
MAIN ROUTE WITH WORKS	0.0098
DIVERSION	0.0167

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,135
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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SUNDAY NORTHBOUND DIRECTION

