

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

FRIDAY 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	85	0.0	16	0.0	1500	85	0	16	0.43	0	66.2	62.0	45.1	19.7	19.7
1-2 AM	66	0.0	12	0.0	1500	66	0	12	0.43	0	66.3	62.1	45.2	19.8	19.8
2-3 AM	68	0.0	13	0.0	1500	68	0	13	0.43	0	66.3	62.1	45.2	19.8	19.8
3-4 AM	73	0.0	14	0.0	1500	73	0	14	0.43	0	66.3	62.1	45.2	19.8	19.8
4-5 AM	120	0.0	22	0.0	1500	120	0	22	0.43	0	66.1	62.0	45.0	19.7	19.7
5-6 AM	313	0.0	58	0.0	1500	313	0	58	0.45	0	65.8	61.5	44.2	19.5	19.5
6-7 AM	530	0.0	97	0.0	1500	530	0	97	0.47	0	65.4	61.0	43.4	19.3	19.3
7-8 AM	602	0.0	110	0.0	1500	602	0	110	0.48	0	65.3	60.8	43.1	19.2	19.2
8-9 AM	535	0.0	98	0.0	1500	535	0	98	0.47	0	65.4	60.9	43.3	19.3	19.3
9-10 AM	533	0.0	97	0.0	1500	533	0	97	0.47	0	65.4	61.0	43.4	19.3	19.3
10-11 AM	592	0.0	109	0.0	1500	592	0	109	0.48	0	65.3	60.8	43.2	19.2	19.2
11A-NOON	637	0.0	116	0.0	1500	637	0	116	0.48	0	65.2	60.7	43.0	19.1	19.1
NOON-1PM	704	0.0	129	0.0	1500	704	0	129	0.49	0	65.1	60.5	42.7	19.1	19.1
1-2 PM	725	0.0	133	0.0	1500	725	0	133	0.49	0	65.0	60.5	42.7	19.1	19.1
2-3 PM	866	0.0	159	0.0	1500	866	0	159	0.51	0	64.8	60.1	42.2	18.9	18.9
3-4 PM	936	0.0	172	0.0	1500	936	0	172	0.51	0	64.6	60.0	41.9	18.8	18.8
4-5 PM	1075	0.0	197	0.0	1500	1075	0	197	0.53	0	64.4	59.6	41.4	18.6	18.6
5-6 PM	957	0.0	176	0.0	1500	957	0	176	0.51	0	64.6	59.9	41.9	18.8	18.8
6-7 PM	667	0.0	122	0.0	1500	667	0	122	0.49	0	65.1	60.6	42.8	19.1	19.1
7-8 PM	480	0.0	88	0.0	1500	480	0	88	0.47	0	65.5	61.1	43.6	19.3	19.3
8-9 PM	428	0.0	79	0.0	1500	428	0	79	0.46	0	65.6	61.2	43.8	19.4	19.4
9-10 PM	376	0.0	69	0.0	1500	376	0	69	0.46	0	65.7	61.4	44.0	19.4	19.4
10-11 PM	297	0.0	54	0.0	1500	297	0	54	0.45	0	65.8	61.5	44.3	19.6	19.6
11PM-MID	206	0.0	38	0.0	1500	206	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 (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	0.0134
MAIN ROUTE WITH WORKS	0.0126
DIVERSION	0.0215

PIA: Personal Injury Accidents

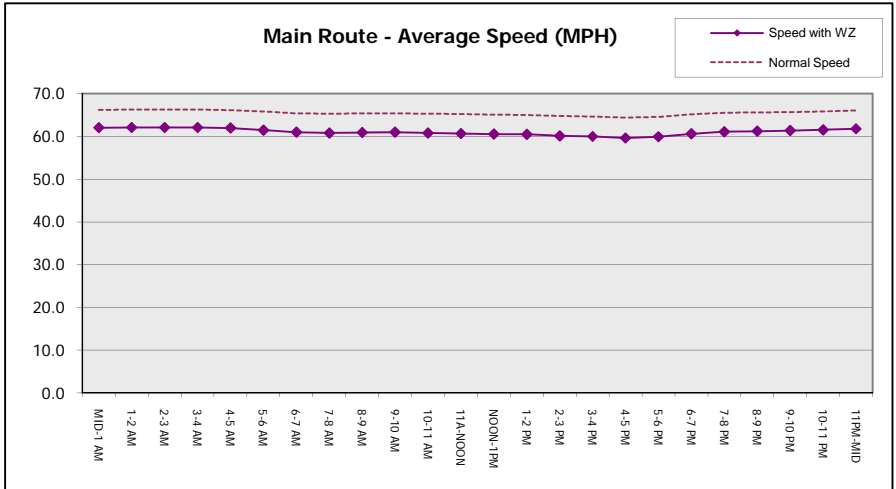
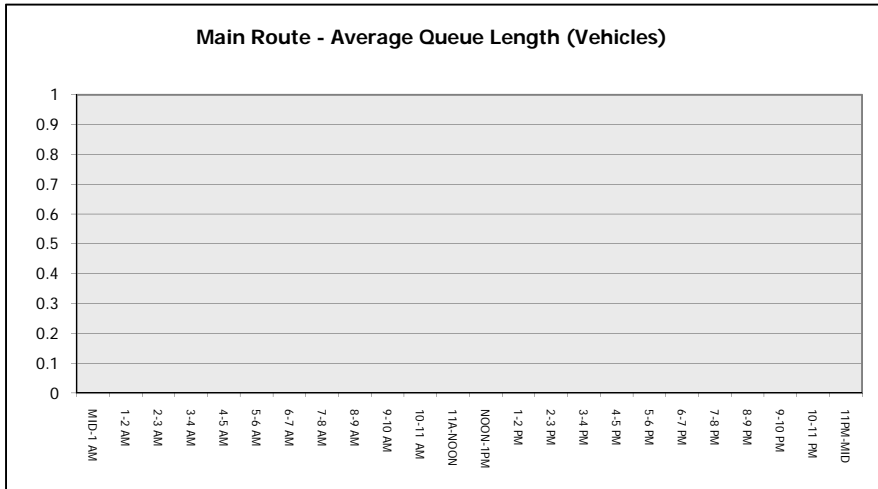
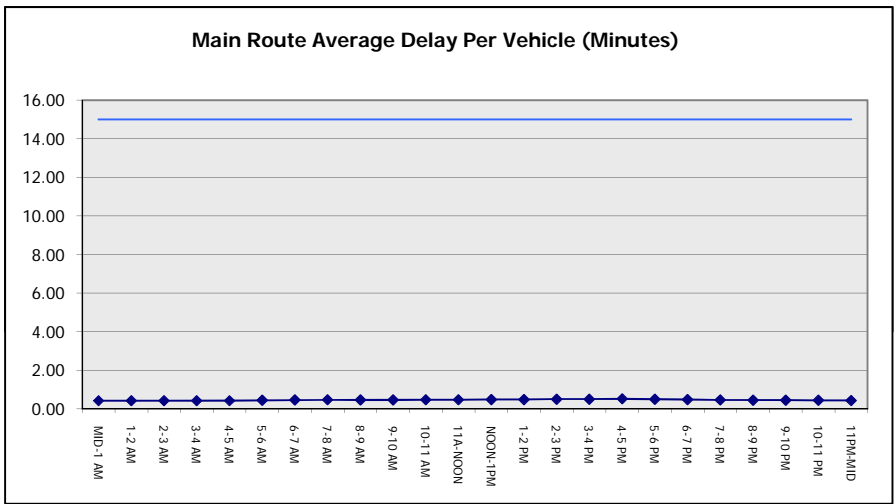
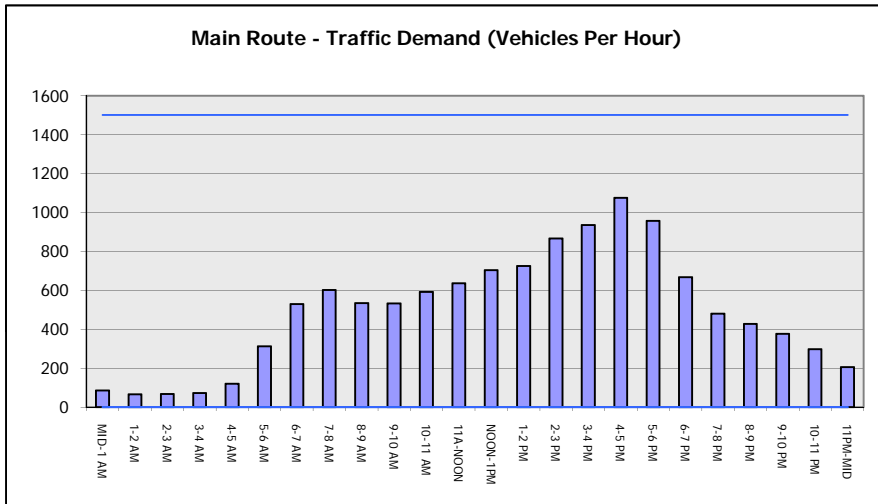
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,204
CONGESTED HOURS PER DAY*	0

*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
FRIDAY 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

FRIDAY 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	111	0.0	20	0.0	1500	111	0	20	0.43	0	66.2	62.0	45.0	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	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	82	0.0	15	0.0	1500	82	0	15	0.43	0	66.3	62.1	45.1	19.8	19.8
4-5 AM	146	0.0	27	0.0	1500	146	0	27	0.44	0	66.1	61.9	44.9	19.7	19.7
5-6 AM	376	0.0	69	0.0	1500	376	0	69	0.46	0	65.7	61.4	44.0	19.4	19.4
6-7 AM	712	0.0	131	0.0	1500	712	0	131	0.49	0	65.1	60.5	42.7	19.1	19.1
7-8 AM	982	0.0	180	0.0	1500	982	0	180	0.52	0	64.6	59.9	41.7	18.8	18.8
8-9 AM	790	0.0	144	0.0	1500	790	0	144	0.50	0	64.9	60.3	42.4	19.0	19.0
9-10 AM	775	0.0	142	0.0	1500	775	0	142	0.50	0	65.0	60.4	42.5	19.0	19.0
10-11 AM	846	0.0	155	0.0	1500	846	0	155	0.50	0	64.8	60.2	42.2	18.9	18.9
11A-NOON	877	0.0	161	0.0	1500	877	0	161	0.51	0	64.8	60.1	42.1	18.9	18.9
NOON-1PM	929	0.0	171	0.0	1500	929	0	171	0.51	0	64.6	60.0	41.9	18.8	18.8
1-2 PM	1030	0.0	188	0.0	1500	1030	0	188	0.52	0	64.5	59.7	41.5	18.7	18.7
2-3 PM	1147	0.0	210	0.0	1500	1147	0	210	0.57	0	64.3	59.2	40.2	18.6	18.6
3-4 PM	1348	0.0	247	0.0	1499	1348	0	247	0.83	0	63.9	56.8	34.3	18.3	18.3
4-5 PM	1548	0.0	284	0.0	1499	1548	0	284	1.69	18	63.5	50.7	30.8	18.1	18.1
5-6 PM	1515	0.0	277	0.0	1499	1515	0	277	3.43	65	63.6	42.0	30.8	18.1	18.1
6-7 PM	1244	0.0	228	0.0	1500	1244	0	228	1.04	10	64.1	55.4	36.7	18.4	18.4
7-8 PM	1037	0.0	191	0.0	1500	1037	0	191	0.52	0	64.5	59.7	41.5	18.7	18.7
8-9 PM	774	0.0	141	0.0	1500	774	0	141	0.50	0	65.0	60.4	42.5	19.0	19.0
9-10 PM	571	0.0	105	0.0	1500	571	0	105	0.48	0	65.3	60.9	43.2	19.3	19.3
10-11 PM	390	0.0	71	0.0	1500	390	0	71	0.46	0	65.6	61.3	43.9	19.4	19.4
11PM-MID	265	0.0	48	0.0	1500	265	0	48	0.45	0	65.9	61.6	44.4	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	0.0200
MAIN ROUTE WITH WORKS	0.0188
DIVERSION	0.0320

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,399
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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FRIDAY NORTHBOUND DIRECTION

