

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

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	154	0.0	26	0.0	1500	154	0	26	0.44	0	66.1	61.9	44.8	19.7	19.7
1-2 AM	61	0.0	12	0.0	1500	61	0	12	0.43	0	66.3	62.1	45.3	19.8	19.8
2-3 AM	71	0.0	13	0.0	1500	71	0	13	0.43	0	66.3	62.1	45.2	19.8	19.8
3-4 AM	80	0.0	15	0.0	1500	80	0	15	0.43	0	66.3	62.1	45.1	19.8	19.8
4-5 AM	161	0.0	29	0.0	1500	161	0	29	0.44	0	66.1	61.9	44.8	19.7	19.7
5-6 AM	359	0.0	66	0.0	1500	359	0	66	0.46	0	65.7	61.4	44.0	19.4	19.4
6-7 AM	634	0.0	116	0.0	1500	634	0	116	0.48	0	65.2	60.7	43.0	19.1	19.1
7-8 AM	677	0.0	125	0.0	1500	677	0	125	0.49	0	65.1	60.6	42.8	19.1	19.1
8-9 AM	585	0.0	107	0.0	1500	585	0	107	0.48	0	65.3	60.9	43.2	19.2	19.2
9-10 AM	589	0.0	108	0.0	1500	589	0	108	0.48	0	65.3	60.8	43.2	19.2	19.2
10-11 AM	645	0.0	117	0.0	1500	645	0	117	0.48	0	65.2	60.7	43.0	19.1	19.1
11A-NOON	656	0.0	119	0.0	1500	656	0	119	0.49	0	65.1	60.7	42.9	19.1	19.1
NOON-1PM	671	0.0	122	0.0	1500	671	0	122	0.49	0	65.1	60.6	42.8	19.1	19.1
1-2 PM	693	0.0	127	0.0	1500	693	0	127	0.49	0	65.1	60.5	42.8	19.1	19.1
2-3 PM	776	0.0	142	0.0	1500	776	0	142	0.50	0	65.0	60.4	42.5	19.0	19.0
3-4 PM	922	0.0	168	0.0	1500	922	0	168	0.51	0	64.6	60.0	42.0	18.8	18.8
4-5 PM	1020	0.0	186	0.0	1500	1020	0	186	0.52	0	64.5	59.7	41.6	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	588	0.0	108	0.0	1500	588	0	108	0.48	0	65.3	60.8	43.2	19.2	19.2
7-8 PM	426	0.0	78	0.0	1500	426	0	78	0.46	0	65.6	61.2	43.8	19.4	19.4
8-9 PM	362	0.0	66	0.0	1500	362	0	66	0.46	0	65.7	61.4	44.0	19.4	19.4
9-10 PM	302	0.0	55	0.0	1500	302	0	55	0.45	0	65.8	61.5	44.3	19.5	19.5
10-11 PM	188	0.0	35	0.0	1500	188	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	0.0132
MAIN ROUTE WITH WORKS	0.0124
DIVERSION	0.0211

PIA: Personal Injury Accidents

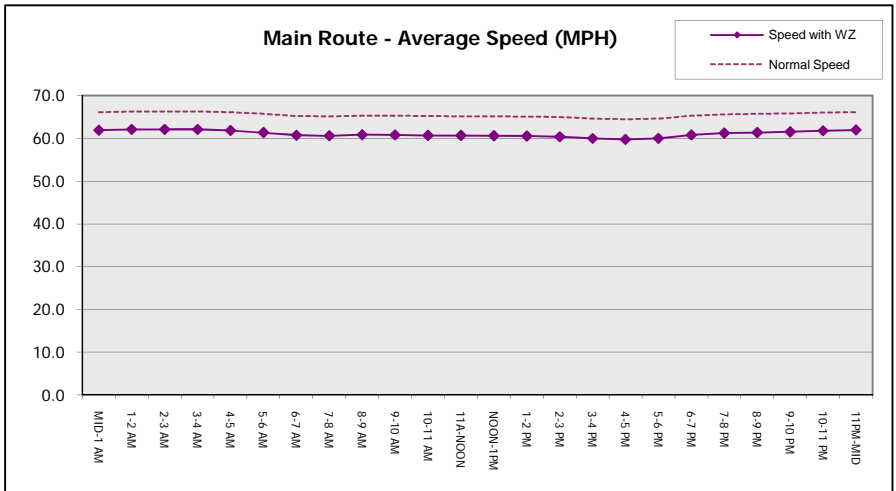
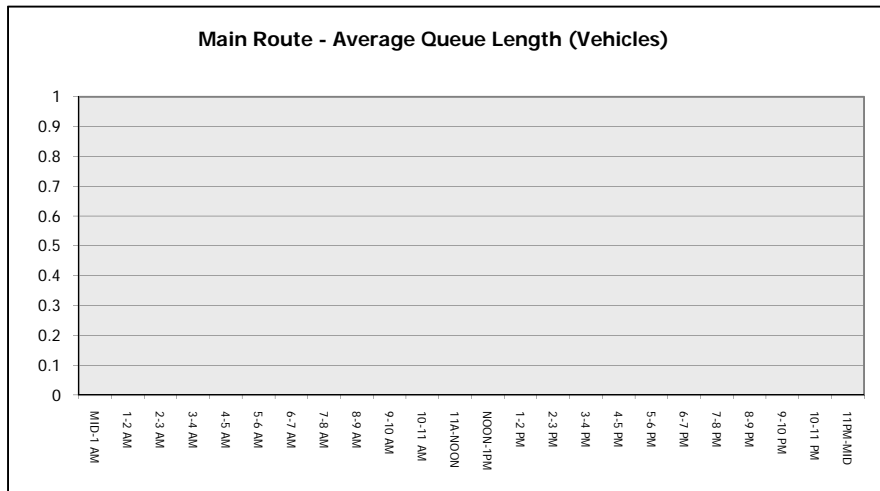
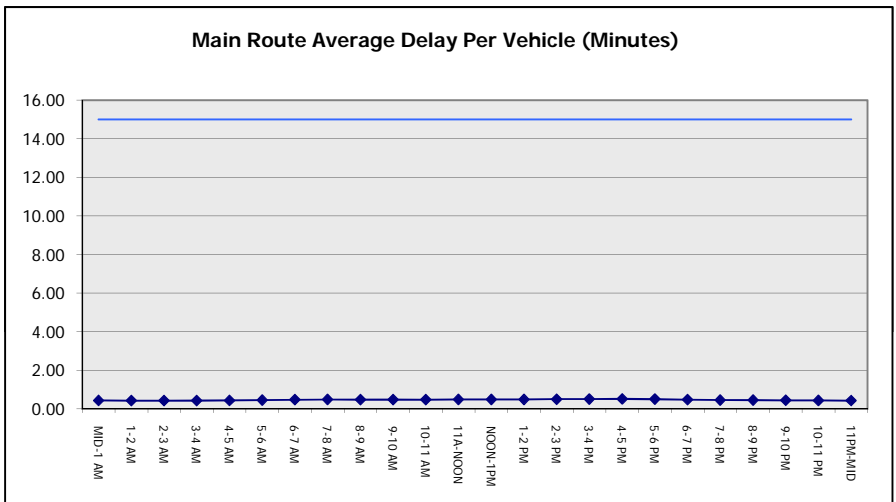
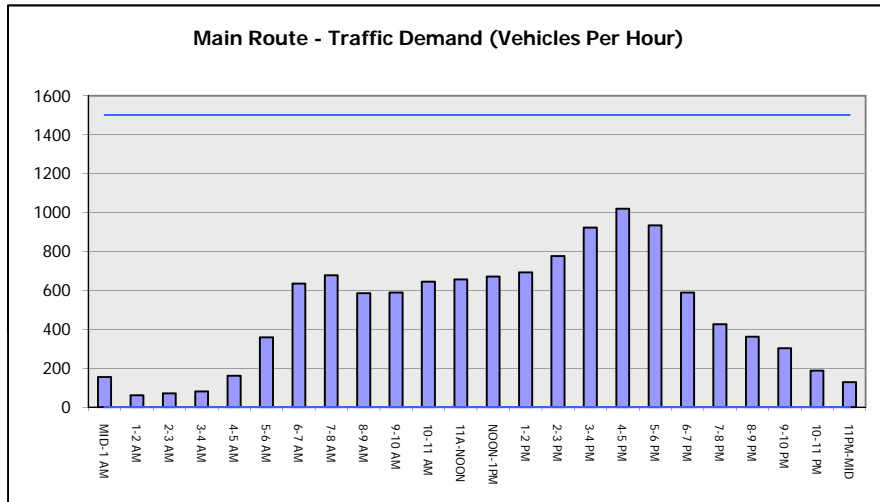
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,125
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

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



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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	68	0.0	13	0.0	1500	68	0	13	0.43	0	66.3	62.1	45.2	19.8	19.8
1-2 AM	61	0.0	12	0.0	1500	61	0	12	0.43	0	66.3	62.1	45.3	19.8	19.8
2-3 AM	57	0.0	10	0.0	1500	57	0	10	0.43	0	66.3	62.2	45.3	19.8	19.8
3-4 AM	70	0.0	13	0.0	1500	70	0	13	0.43	0	66.3	62.1	45.2	19.8	19.8
4-5 AM	155	0.0	28	0.0	1500	155	0	28	0.44	0	66.1	61.9	44.8	19.7	19.7
5-6 AM	353	0.0	65	0.0	1500	353	0	65	0.46	0	65.7	61.4	44.1	19.5	19.5
6-7 AM	703	0.0	129	0.0	1500	703	0	129	0.49	0	65.1	60.5	42.7	19.1	19.1
7-8 AM	983	0.0	180	0.0	1500	983	0	180	0.52	0	64.6	59.9	41.7	18.8	18.8
8-9 AM	727	0.0	133	0.0	1500	727	0	133	0.49	0	65.0	60.5	42.7	19.1	19.1
9-10 AM	613	0.0	112	0.0	1500	613	0	112	0.48	0	65.3	60.7	43.1	19.2	19.2
10-11 AM	628	0.0	115	0.0	1500	628	0	115	0.48	0	65.2	60.7	43.0	19.1	19.1
11A-NOON	631	0.0	115	0.0	1500	631	0	115	0.48	0	65.2	60.7	43.0	19.1	19.1
NOON-1PM	637	0.0	117	0.0	1500	637	0	117	0.48	0	65.2	60.7	43.0	19.1	19.1
1-2 PM	659	0.0	120	0.0	1500	659	0	120	0.49	0	65.1	60.7	42.9	19.1	19.1
2-3 PM	703	0.0	129	0.0	1500	703	0	129	0.49	0	65.1	60.5	42.7	19.1	19.1
3-4 PM	852	0.0	156	0.0	1500	852	0	156	0.50	0	64.8	60.2	42.2	18.9	18.9
4-5 PM	931	0.0	171	0.0	1500	931	0	171	0.51	0	64.6	60.0	41.9	18.8	18.8
5-6 PM	850	0.0	156	0.0	1500	850	0	156	0.50	0	64.8	60.2	42.2	18.9	18.9
6-7 PM	556	0.0	102	0.0	1500	556	0	102	0.48	0	65.3	60.9	43.3	19.3	19.3
7-8 PM	366	0.0	67	0.0	1500	366	0	67	0.46	0	65.7	61.4	44.0	19.4	19.4
8-9 PM	290	0.0	52	0.0	1500	290	0	52	0.45	0	65.8	61.5	44.3	19.6	19.6
9-10 PM	246	0.0	45	0.0	1500	246	0	45	0.45	0	66.0	61.7	44.5	19.6	19.6
10-11 PM	189	0.0	35	0.0	1500	189	0	35	0.44	0	66.0	61.8	44.7	19.7	19.7
11PM-MID	108	0.0	20	0.0	1500	108	0	20	0.43	0	66.2	62.0	45.1	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	0.0129
MAIN ROUTE WITH WORKS	0.0122
DIVERSION	0.0207

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,101
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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