

IH 43: STH 172 TO STH 42 (SHEBOYGAN, MANITOWOC AND BROWN COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 96 - CTH R - USH 141	AUGUST
	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	114	0.0	21	0.0	1500	114	0	21	0.43	0	66.2	62.0	45.0	19.7	19.7
1-2 AM	77	0.0	15	0.0	1500	77	0	15	0.43	0	66.3	62.1	45.2	19.8	19.8
2-3 AM	82	0.0	15	0.0	1500	82	0	15	0.43	0	66.3	62.1	45.1	19.8	19.8
3-4 AM	90	0.0	17	0.0	1500	90	0	17	0.43	0	66.2	62.0	45.1	19.7	19.7
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	320	0.0	59	0.0	1500	320	0	59	0.45	0	65.8	61.5	44.2	19.5	19.5
6-7 AM	502	0.0	92	0.0	1500	502	0	92	0.47	0	65.5	61.0	43.5	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	620	0.0	114	0.0	1500	620	0	114	0.48	0	65.2	60.7	43.0	19.2	19.2
9-10 AM	674	0.0	123	0.0	1500	674	0	123	0.49	0	65.1	60.6	42.8	19.1	19.1
10-11 AM	792	0.0	145	0.0	1500	792	0	145	0.50	0	64.9	60.3	42.4	18.9	18.9
11A-NOON	842	0.0	154	0.0	1500	842	0	154	0.50	0	64.8	60.2	42.2	18.9	18.9
NOON-1PM	877	0.0	161	0.0	1500	877	0	161	0.51	0	64.8	60.1	42.1	18.9	18.9
1-2 PM	938	0.0	172	0.0	1500	938	0	172	0.51	0	64.6	60.0	41.9	18.8	18.8
2-3 PM	1045	0.0	191	0.0	1500	1045	0	191	0.52	0	64.5	59.7	41.5	18.7	18.7
3-4 PM	1161	0.0	212	0.0	1500	1161	0	212	0.59	0	64.2	59.0	39.7	18.6	18.6
4-5 PM	1206	0.0	221	0.0	1500	1206	0	221	0.64	0	64.1	58.4	38.3	18.5	18.5
5-6 PM	1066	0.0	196	0.0	1500	1066	0	196	0.53	0	64.4	59.7	41.4	18.6	18.6
6-7 PM	792	0.0	145	0.0	1500	792	0	145	0.50	0	64.9	60.3	42.4	18.9	18.9
7-8 PM	540	0.0	99	0.0	1500	540	0	99	0.47	0	65.4	60.9	43.3	19.3	19.3
8-9 PM	485	0.0	89	0.0	1500	485	0	89	0.47	0	65.5	61.0	43.6	19.3	19.3
9-10 PM	422	0.0	77	0.0	1500	422	0	77	0.46	0	65.6	61.2	43.8	19.4	19.4
10-11 PM	322	0.0	59	0.0	1500	322	0	59	0.45	0	65.8	61.5	44.2	19.5	19.5
11PM-MID	233	0.0	43	0.0	1500	233	0	43	0.45	0	66.0	61.7	44.5	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	0.0157
MAIN ROUTE WITH WORKS	0.0148
DIVERSION	0.0252

PIA: Personal Injury Accidents

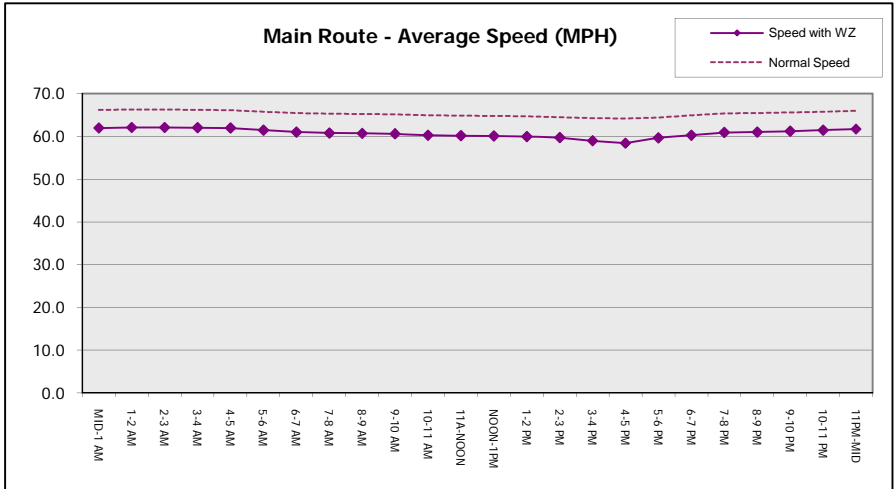
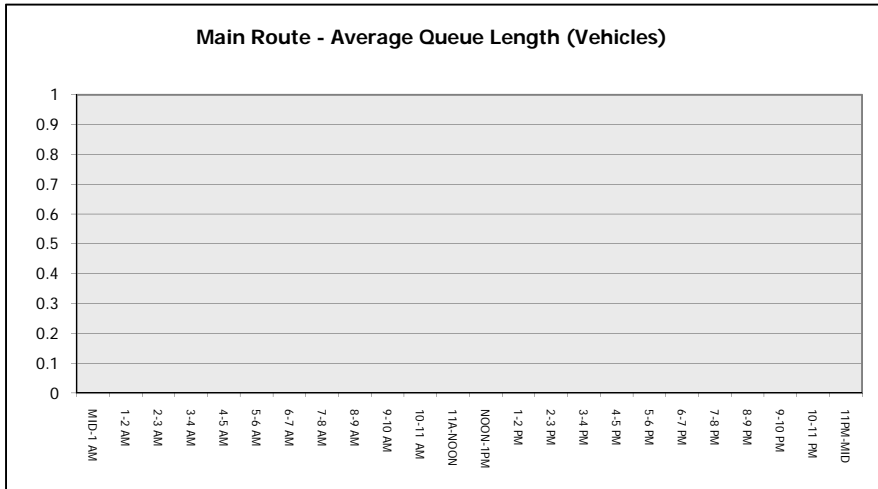
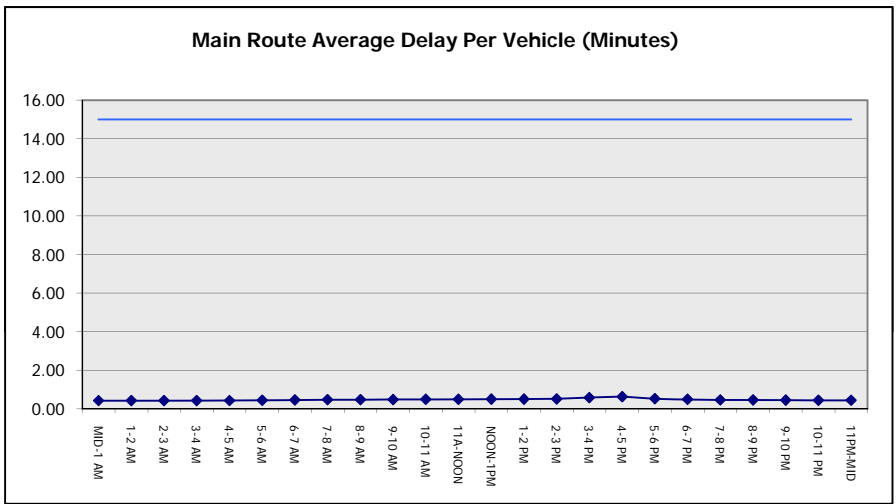
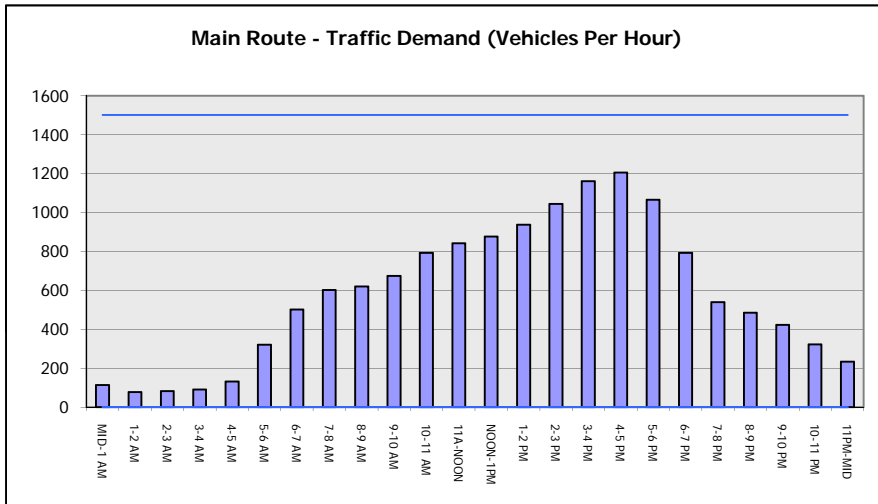
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,579
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
 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	AUGUST
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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	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	103	0.0	19	0.0	1500	103	0	19	0.43	0	66.2	62.0	45.1	19.7	19.7
2-3 AM	86	0.0	16	0.0	1500	86	0	16	0.43	0	66.2	62.0	45.1	19.7	19.7
3-4 AM	97	0.0	18	0.0	1500	97	0	18	0.43	0	66.2	62.0	45.1	19.7	19.7
4-5 AM	156	0.0	28	0.0	1500	156	0	28	0.44	0	66.1	61.9	44.8	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	700	0.0	129	0.0	1500	700	0	129	0.49	0	65.1	60.5	42.8	19.1	19.1
7-8 AM	919	0.0	168	0.0	1500	919	0	168	0.51	0	64.6	60.0	42.0	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	908	0.0	166	0.0	1500	908	0	166	0.51	0	64.7	60.1	42.0	18.8	18.8
10-11 AM	1067	0.0	196	0.0	1500	1067	0	196	0.53	0	64.4	59.7	41.4	18.6	18.6
11A-NOON	1118	0.0	205	0.0	1500	1118	0	205	0.53	0	64.3	59.6	41.3	18.6	18.6
NOON-1PM	1203	0.0	221	0.0	1500	1203	0	221	0.64	0	64.1	58.5	38.3	18.5	18.5
1-2 PM	1304	0.0	239	0.0	1500	1304	0	239	0.77	0	64.0	57.3	35.4	18.4	18.4
2-3 PM	1438	0.0	264	0.0	1499	1438	0	264	0.94	0	63.7	55.8	32.1	18.3	18.3
3-4 PM	1574	0.0	289	0.0	1499	1574	0	289	2.09	30	63.5	48.4	30.8	18.1	18.1
4-5 PM	1651	0.0	302	0.0	1500	1651	0	302	6.31	147	63.3	32.7	30.8	18.0	18.0
5-6 PM	1636	0.0	299	0.0	1500	1636	0	299	12.10	302	63.3	22.6	30.8	18.0	18.0
6-7 PM	1359	0.0	249	0.0	1499	1359	0	249	12.31	307	63.8	22.4	30.8	18.3	18.3
7-8 PM	1086	0.0	199	0.0	1499	1086	0	199	2.48	67	64.3	46.8	38.1	18.6	18.6
8-9 PM	850	0.0	156	0.0	1500	850	0	156	0.50	0	64.8	60.2	42.2	18.9	18.9
9-10 PM	761	0.0	139	0.0	1500	761	0	139	0.50	0	65.0	60.4	42.5	19.0	19.0
10-11 PM	514	0.0	94	0.0	1500	514	0	94	0.47	0	65.5	61.0	43.5	19.3	19.3
11PM-MID	351	0.0	64	0.0	1500	351	0	64	0.46	0	65.7	61.4	44.1	19.5	19.5

----- 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	0.0228
MAIN ROUTE WITH WORKS	0.0215
DIVERSION	0.0365

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$13,383
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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FRIDAY NORTHBOUND DIRECTION

