

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

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	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	59	0.0	10	0.0	1500	59	0	10	0.43	0	66.3	62.2	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	76	0.0	14	0.0	1500	76	0	14	0.43	0	66.3	62.1	45.2	19.8	19.8
4-5 AM	132	0.0	24	0.0	1500	132	0	24	0.44	0	66.1	62.0	45.0	19.7	19.7
5-6 AM	305	0.0	55	0.0	1500	305	0	55	0.45	0	65.8	61.5	44.3	19.5	19.5
6-7 AM	548	0.0	100	0.0	1500	548	0	100	0.48	0	65.4	60.9	43.3	19.3	19.3
7-8 AM	622	0.0	114	0.0	1500	622	0	114	0.48	0	65.2	60.7	43.0	19.2	19.2
8-9 AM	573	0.0	105	0.0	1500	573	0	105	0.48	0	65.3	60.9	43.2	19.3	19.3
9-10 AM	578	0.0	106	0.0	1500	578	0	106	0.48	0	65.3	60.9	43.2	19.2	19.2
10-11 AM	687	0.0	126	0.0	1500	687	0	126	0.49	0	65.1	60.5	42.8	19.1	19.1
11A-NOON	753	0.0	138	0.0	1500	753	0	138	0.50	0	65.0	60.4	42.5	19.0	19.0
NOON-1PM	795	0.0	145	0.0	1500	795	0	145	0.50	0	64.9	60.3	42.4	18.9	18.9
1-2 PM	879	0.0	161	0.0	1500	879	0	161	0.51	0	64.8	60.1	42.1	18.9	18.9
2-3 PM	942	0.0	173	0.0	1500	942	0	173	0.51	0	64.6	60.0	41.9	18.8	18.8
3-4 PM	1058	0.0	194	0.0	1500	1058	0	194	0.52	0	64.4	59.7	41.5	18.7	18.7
4-5 PM	1118	0.0	205	0.0	1500	1118	0	205	0.53	0	64.3	59.6	41.3	18.6	18.6
5-6 PM	1035	0.0	189	0.0	1500	1035	0	189	0.52	0	64.5	59.7	41.5	18.7	18.7
6-7 PM	727	0.0	133	0.0	1500	727	0	133	0.49	0	65.0	60.5	42.7	19.1	19.1
7-8 PM	509	0.0	93	0.0	1500	509	0	93	0.47	0	65.5	61.0	43.5	19.3	19.3
8-9 PM	411	0.0	75	0.0	1500	411	0	75	0.46	0	65.6	61.2	43.8	19.4	19.4
9-10 PM	420	0.0	77	0.0	1500	420	0	77	0.46	0	65.6	61.2	43.8	19.4	19.4
10-11 PM	316	0.0	58	0.0	1500	316	0	58	0.45	0	65.8	61.5	44.2	19.5	19.5
11PM-MID	196	0.0	36	0.0	1500	196	0	36	0.44	0	66.0	61.8	44.7	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	0.0146
MAIN ROUTE WITH WORKS	0.0137
DIVERSION	0.0233

PIA: Personal Injury Accidents

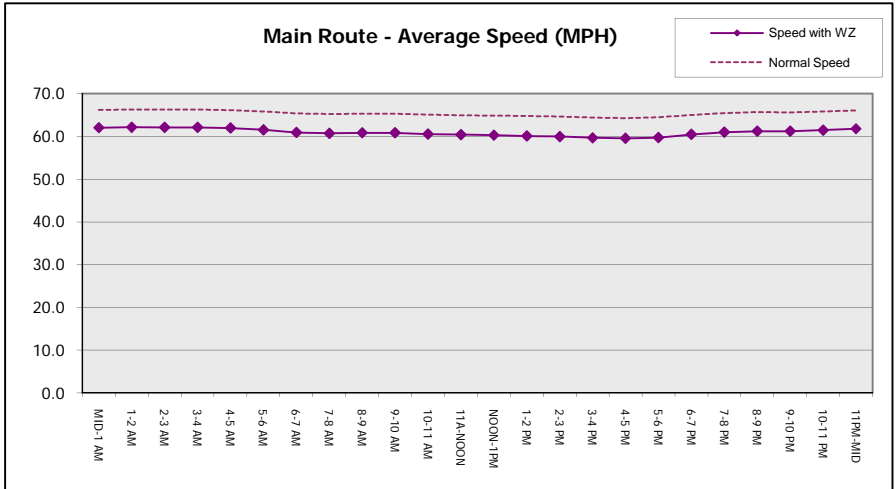
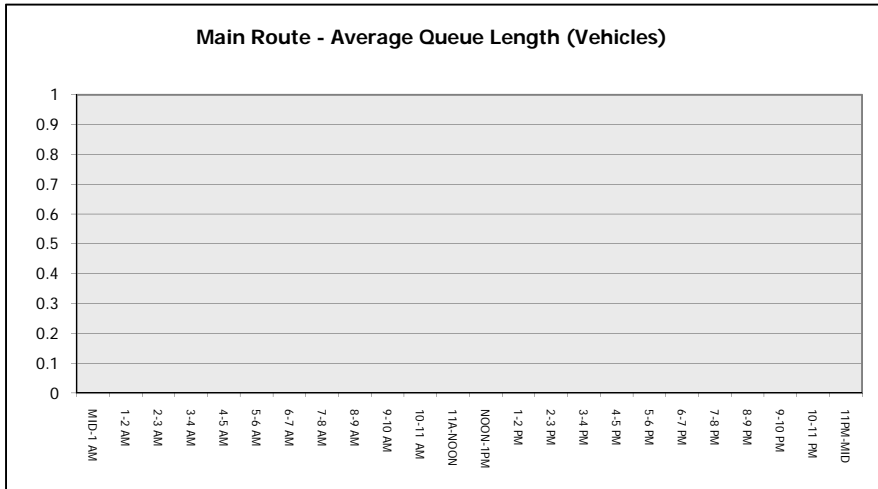
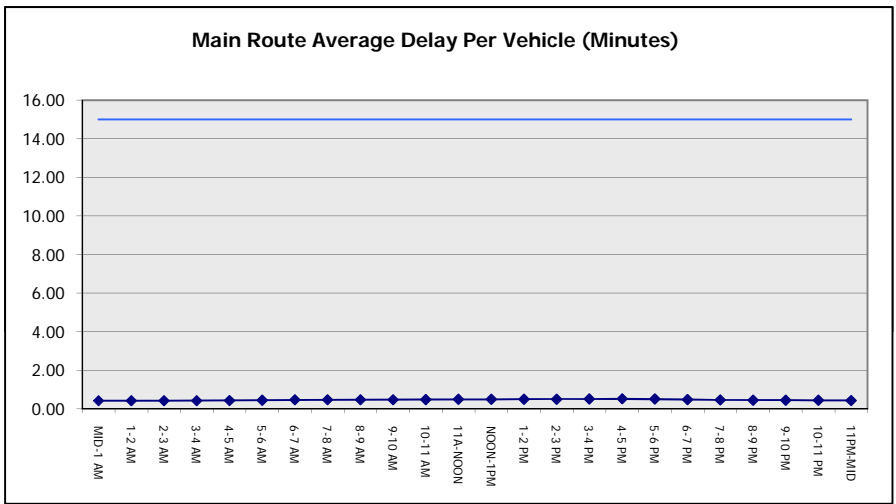
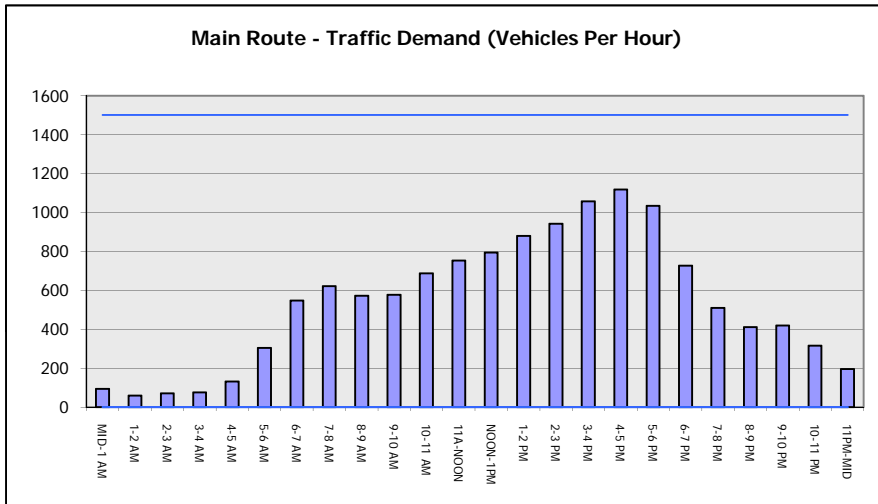
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,365
CONGESTED HOURS PER DAY*	0

*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
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	OCTOBER
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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	95	0.0	18	0.0	1500	95	0	18	0.43	0	66.2	62.0	45.1	19.7	19.7
1-2 AM	89	0.0	17	0.0	1500	89	0	17	0.43	0	66.2	62.0	45.1	19.7	19.7
2-3 AM	72	0.0	14	0.0	1500	72	0	14	0.43	0	66.3	62.1	45.2	19.8	19.8
3-4 AM	84	0.0	16	0.0	1500	84	0	16	0.43	0	66.2	62.1	45.1	19.7	19.7
4-5 AM	159	0.0	29	0.0	1500	159	0	29	0.44	0	66.1	61.9	44.8	19.7	19.7
5-6 AM	360	0.0	66	0.0	1500	360	0	66	0.46	0	65.7	61.4	44.0	19.4	19.4
6-7 AM	692	0.0	127	0.0	1500	692	0	127	0.49	0	65.1	60.5	42.8	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	785	0.0	143	0.0	1500	785	0	143	0.50	0	64.9	60.4	42.4	19.0	19.0
9-10 AM	818	0.0	150	0.0	1500	818	0	150	0.50	0	64.8	60.2	42.4	18.9	18.9
10-11 AM	923	0.0	170	0.0	1500	923	0	170	0.51	0	64.6	60.0	42.0	18.8	18.8
11A-NOON	969	0.0	178	0.0	1500	969	0	178	0.52	0	64.6	59.9	41.8	18.8	18.8
NOON-1PM	1079	0.0	198	0.0	1500	1079	0	198	0.53	0	64.4	59.6	41.4	18.6	18.6
1-2 PM	1166	0.0	213	0.0	1500	1166	0	213	0.59	0	64.2	58.9	39.6	18.6	18.6
2-3 PM	1184	0.0	217	0.0	1500	1184	0	217	0.62	0	64.1	58.7	39.0	18.5	18.5
3-4 PM	1416	0.0	260	0.0	1499	1416	0	260	0.92	0	63.8	56.1	32.7	18.3	18.3
4-5 PM	1593	0.0	292	0.0	1499	1593	0	292	2.48	41	63.4	46.3	30.8	18.1	18.1
5-6 PM	1576	0.0	289	0.0	1499	1576	0	289	6.13	139	63.5	33.2	30.8	18.1	18.1
6-7 PM	1337	0.0	245	0.0	1499	1337	0	245	4.66	107	63.9	37.6	32.2	18.4	18.4
7-8 PM	944	0.0	173	0.0	1500	944	0	173	0.52	0	64.6	59.9	41.9	18.8	18.8
8-9 PM	743	0.0	136	0.0	1500	743	0	136	0.49	0	65.0	60.4	42.6	19.0	19.0
9-10 PM	623	0.0	114	0.0	1500	623	0	114	0.48	0	65.2	60.7	43.0	19.2	19.2
10-11 PM	458	0.0	84	0.0	1500	458	0	84	0.47	0	65.5	61.2	43.7	19.4	19.4
11PM-MID	258	0.0	47	0.0	1500	258	0	47	0.45	0	65.9	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	0.0208
MAIN ROUTE WITH WORKS	0.0196
DIVERSION	0.0333

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$5,924
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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FRIDAY NORTHBOUND DIRECTION

