

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

SATURDAY 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	151	0.0	27	0.0	1500	151	0	27	0.44	0	66.1	61.9	44.9	19.7	19.7
1-2 AM	100	0.0	18	0.0	1500	100	0	18	0.43	0	66.2	62.0	45.1	19.7	19.7
2-3 AM	84	0.0	16	0.0	1500	84	0	16	0.43	0	66.2	62.1	45.1	19.7	19.7
3-4 AM	83	0.0	16	0.0	1500	83	0	16	0.43	0	66.2	62.1	45.1	19.7	19.7
4-5 AM	97	0.0	18	0.0	1500	97	0	18	0.43	0	66.2	62.0	45.1	19.7	19.7
5-6 AM	154	0.0	28	0.0	1500	154	0	28	0.44	0	66.1	61.9	44.8	19.7	19.7
6-7 AM	237	0.0	43	0.0	1500	237	0	43	0.45	0	66.0	61.7	44.5	19.6	19.6
7-8 AM	376	0.0	69	0.0	1500	376	0	69	0.46	0	65.7	61.4	44.0	19.4	19.4
8-9 AM	553	0.0	101	0.0	1500	553	0	101	0.48	0	65.3	60.9	43.3	19.3	19.3
9-10 AM	701	0.0	129	0.0	1500	701	0	129	0.49	0	65.1	60.5	42.7	19.1	19.1
10-11 AM	907	0.0	166	0.0	1500	907	0	166	0.51	0	64.7	60.1	42.0	18.8	18.8
11A-NOON	959	0.0	176	0.0	1500	959	0	176	0.52	0	64.6	59.9	41.8	18.8	18.8
NOON-1PM	974	0.0	179	0.0	1500	974	0	179	0.52	0	64.6	59.9	41.8	18.8	18.8
1-2 PM	988	0.0	181	0.0	1500	988	0	181	0.52	0	64.5	59.9	41.7	18.8	18.8
2-3 PM	962	0.0	177	0.0	1500	962	0	177	0.52	0	64.6	59.9	41.8	18.8	18.8
3-4 PM	930	0.0	171	0.0	1500	930	0	171	0.51	0	64.6	60.0	41.9	18.8	18.8
4-5 PM	850	0.0	156	0.0	1500	850	0	156	0.50	0	64.8	60.2	42.2	18.9	18.9
5-6 PM	751	0.0	137	0.0	1500	751	0	137	0.50	0	65.0	60.4	42.5	19.0	19.0
6-7 PM	618	0.0	113	0.0	1500	618	0	113	0.48	0	65.2	60.7	43.0	19.2	19.2
7-8 PM	526	0.0	96	0.0	1500	526	0	96	0.47	0	65.4	61.0	43.4	19.3	19.3
8-9 PM	484	0.0	89	0.0	1500	484	0	89	0.47	0	65.5	61.1	43.6	19.3	19.3
9-10 PM	596	0.0	109	0.0	1500	596	0	109	0.48	0	65.3	60.8	43.2	19.2	19.2
10-11 PM	962	0.0	176	0.0	1500	962	0	176	0.52	0	64.6	59.9	41.8	18.8	18.8
11PM-MID	802	0.0	146	0.0	1500	802	0	146	0.50	0	64.9	60.3	42.4	18.9	18.9

----- 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	0.0156
MAIN ROUTE WITH WORKS	0.0147
DIVERSION	0.0250

PIA: Personal Injury Accidents

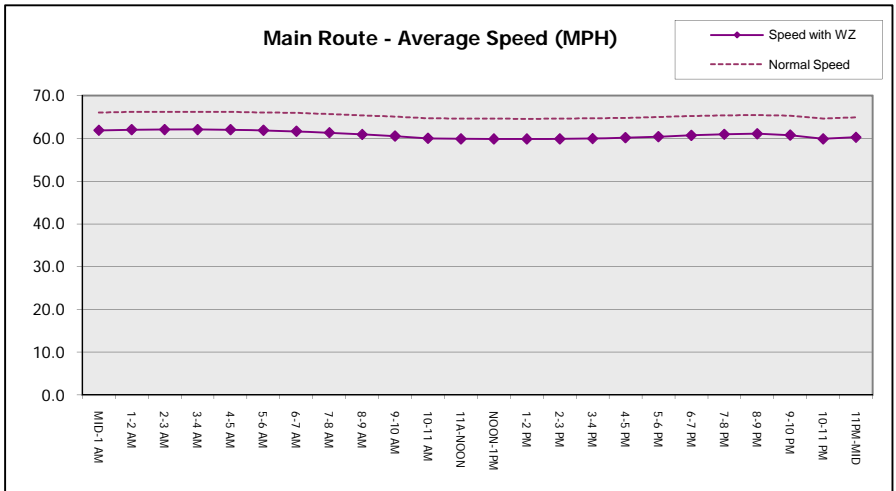
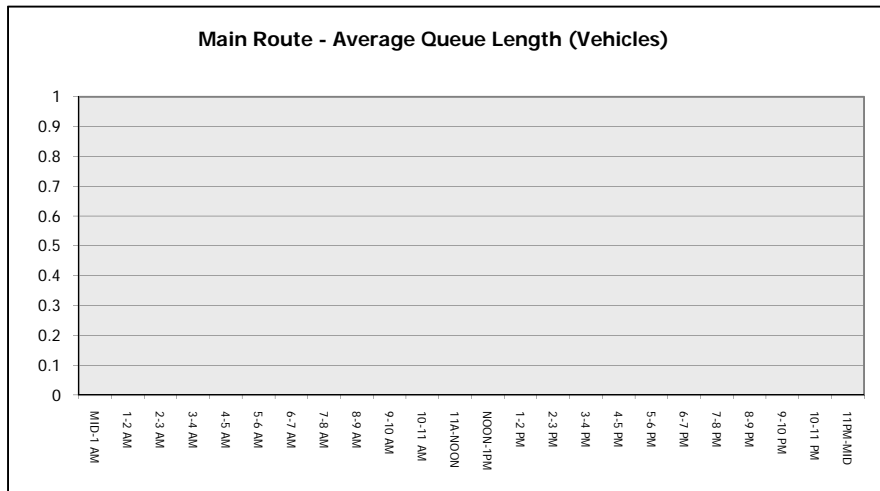
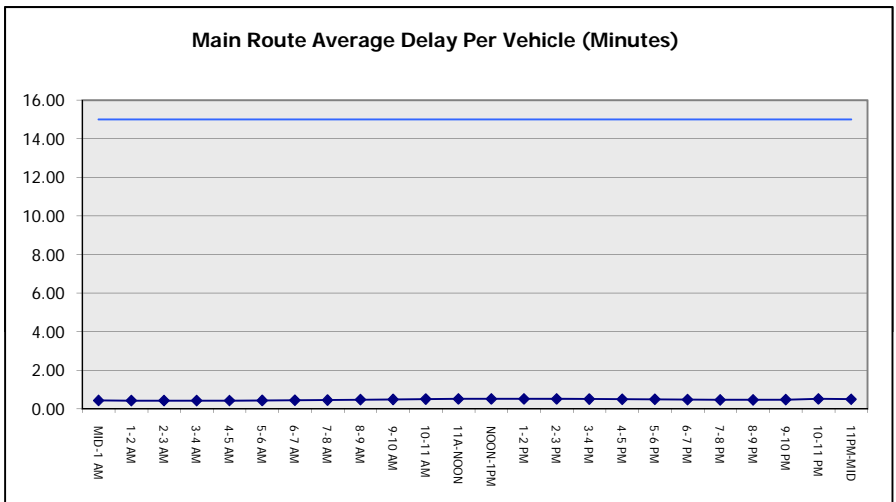
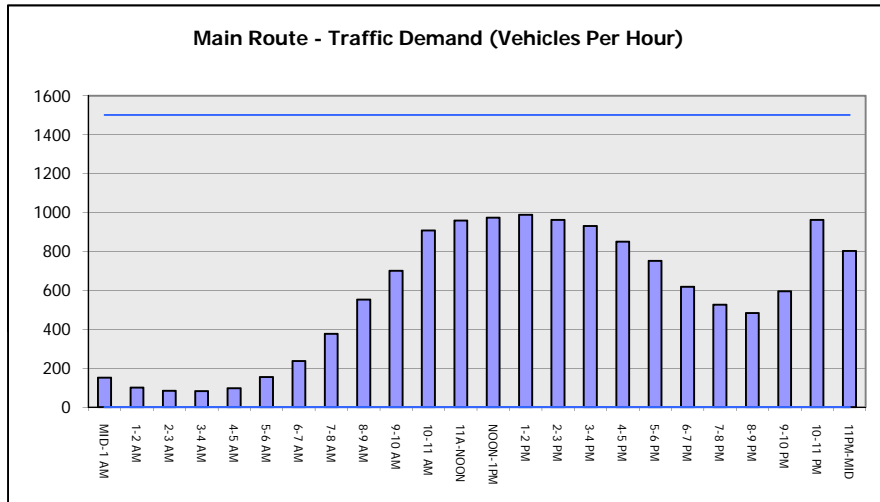
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,753
CONGESTED HOURS PER DAY*	0

*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
SATURDAY 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

SATURDAY 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	182	0.0	33	0.0	1500	182	0	33	0.44	0	66.1	61.9	44.8	19.7	19.7
1-2 AM	117	0.0	22	0.0	1500	117	0	22	0.43	0	66.1	62.0	45.0	19.7	19.7
2-3 AM	96	0.0	18	0.0	1500	96	0	18	0.43	0	66.2	62.0	45.1	19.7	19.7
3-4 AM	81	0.0	15	0.0	1500	81	0	15	0.43	0	66.3	62.1	45.1	19.8	19.8
4-5 AM	102	0.0	19	0.0	1500	102	0	19	0.43	0	66.2	62.0	45.1	19.7	19.7
5-6 AM	164	0.0	30	0.0	1500	164	0	30	0.44	0	66.1	61.9	44.8	19.7	19.7
6-7 AM	271	0.0	49	0.0	1500	271	0	49	0.45	0	65.9	61.6	44.4	19.6	19.6
7-8 AM	427	0.0	78	0.0	1500	427	0	78	0.46	0	65.6	61.2	43.8	19.4	19.4
8-9 AM	625	0.0	114	0.0	1500	625	0	114	0.48	0	65.2	60.7	43.0	19.2	19.2
9-10 AM	905	0.0	165	0.0	1500	905	0	165	0.51	0	64.7	60.1	42.0	18.8	18.8
10-11 AM	1076	0.0	197	0.0	1500	1076	0	197	0.53	0	64.4	59.6	41.4	18.6	18.6
11A-NOON	1206	0.0	221	0.0	1500	1206	0	221	0.64	0	64.1	58.4	38.3	18.5	18.5
NOON-1PM	1159	0.0	212	0.0	1500	1159	0	212	0.58	0	64.2	59.1	39.8	18.6	18.6
1-2 PM	1128	0.0	207	0.0	1500	1128	0	207	0.54	0	64.3	59.4	40.9	18.6	18.6
2-3 PM	1173	0.0	214	0.0	1500	1173	0	214	0.60	0	64.2	58.9	39.3	18.6	18.6
3-4 PM	1184	0.0	217	0.0	1500	1184	0	217	0.62	0	64.1	58.7	39.0	18.5	18.5
4-5 PM	1215	0.0	223	0.0	1500	1215	0	223	0.66	0	64.1	58.4	38.0	18.5	18.5
5-6 PM	1115	0.0	204	0.0	1500	1115	0	204	0.53	0	64.3	59.6	41.3	18.6	18.6
6-7 PM	674	0.0	123	0.0	1500	674	0	123	0.49	0	65.1	60.6	42.8	19.1	19.1
7-8 PM	475	0.0	87	0.0	1500	475	0	87	0.47	0	65.5	61.1	43.6	19.3	19.3
8-9 PM	412	0.0	75	0.0	1500	412	0	75	0.46	0	65.6	61.2	43.8	19.4	19.4
9-10 PM	359	0.0	66	0.0	1500	359	0	66	0.46	0	65.7	61.4	44.0	19.4	19.4
10-11 PM	323	0.0	60	0.0	1500	323	0	60	0.45	0	65.8	61.5	44.2	19.5	19.5
11PM-MID	243	0.0	45	0.0	1500	243	0	45	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	0.0166
MAIN ROUTE WITH WORKS	0.0157
DIVERSION	0.0266

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,039
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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SATURDAY NORTHBOUND DIRECTION

