

**IH 43: STH 20 TO STH 164 (WAUKESHA AND WALWORTH COUNTIES)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 83 - CTH L - STH 20**

MAY
Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT
SUNDAY 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	229	0.0	28	0.0	1500	229	0	28	0.44	0	66.0	60.4	44.6	29.6	29.6
1-2 AM	145	0.0	18	0.0	1500	145	0	18	0.44	0	66.1	60.6	44.9	29.6	29.6
2-3 AM	115	0.0	14	0.0	1500	115	0	14	0.43	0	66.2	60.7	45.0	29.7	29.7
3-4 AM	75	0.0	9	0.0	1500	75	0	9	0.43	0	66.3	60.8	45.2	29.7	29.7
4-5 AM	78	0.0	10	0.0	1500	78	0	10	0.43	0	66.3	60.8	45.1	29.7	29.7
5-6 AM	125	0.0	15	0.0	1500	125	0	15	0.43	0	66.1	60.7	45.0	29.7	29.7
6-7 AM	296	0.0	37	0.0	1500	296	0	37	0.45	0	65.8	60.2	44.3	29.4	29.4
7-8 AM	421	0.0	52	0.0	1500	421	0	52	0.46	0	65.6	59.9	43.8	29.3	29.3
8-9 AM	596	0.0	74	0.0	1500	596	0	74	0.48	0	65.3	59.4	43.2	29.1	29.1
9-10 AM	736	0.0	91	0.0	1500	736	0	91	0.49	0	65.0	59.1	42.6	28.9	28.9
10-11 AM	921	0.0	114	0.0	1500	921	0	114	0.51	0	64.6	58.6	42.0	28.8	28.8
11A-NOON	1084	0.0	134	0.0	1500	1084	0	134	0.53	0	64.3	58.2	41.4	28.6	28.6
NOON-1PM	1218	0.0	151	0.0	1500	1218	0	151	0.66	0	64.1	56.6	37.9	28.4	28.4
1-2 PM	1234	0.0	153	0.0	1500	1234	0	153	0.68	0	64.1	56.4	37.4	28.4	28.4
2-3 PM	1222	0.0	151	0.0	1500	1222	0	151	0.67	0	64.1	56.5	37.8	28.4	28.4
3-4 PM	1268	0.0	157	0.0	1500	1268	0	157	0.72	0	64.0	55.9	36.4	28.3	28.3
4-5 PM	1315	0.0	163	0.0	1500	1315	0	163	0.79	0	64.0	55.2	35.1	28.3	28.3
5-6 PM	1131	0.0	140	0.0	1500	1131	0	140	0.55	0	64.3	57.9	40.8	28.5	28.5
6-7 PM	976	0.0	121	0.0	1500	976	0	121	0.52	0	64.6	58.4	41.7	28.7	28.7
7-8 PM	812	0.0	100	0.0	1500	812	0	100	0.50	0	64.9	58.9	42.4	28.9	28.9
8-9 PM	626	0.0	77	0.0	1500	626	0	77	0.48	0	65.2	59.4	43.0	29.1	29.1
9-10 PM	446	0.0	55	0.0	1500	446	0	55	0.47	0	65.6	59.8	43.7	29.3	29.3
10-11 PM	314	0.0	39	0.0	1500	314	0	39	0.45	0	65.8	60.2	44.2	29.4	29.4
11PM-MID	227	0.0	28	0.0	1500	227	0	28	0.44	0	66.0	60.4	44.6	29.6	29.6

----- 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	0.0132
MAIN ROUTE WITH WORKS	0.0121
DIVERSION	0.0161

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

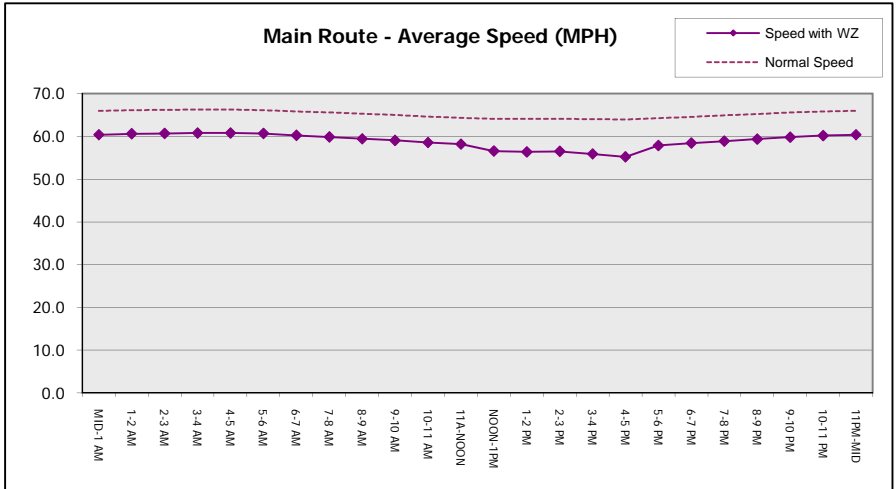
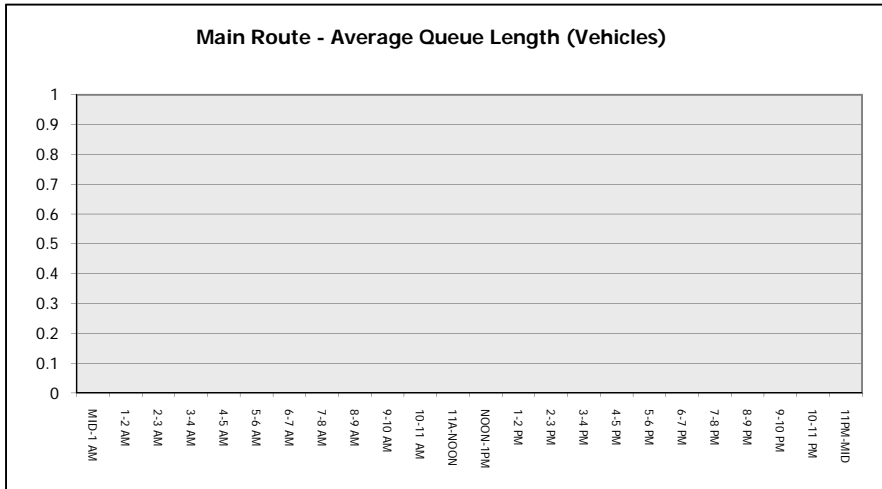
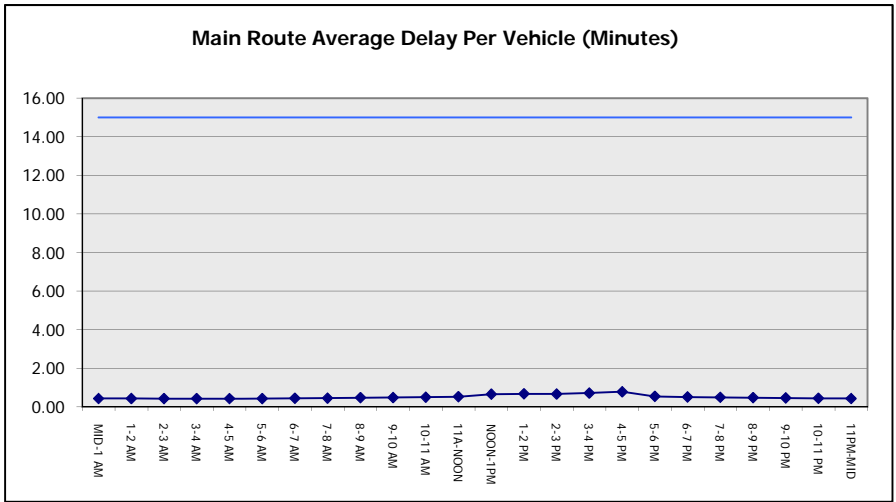
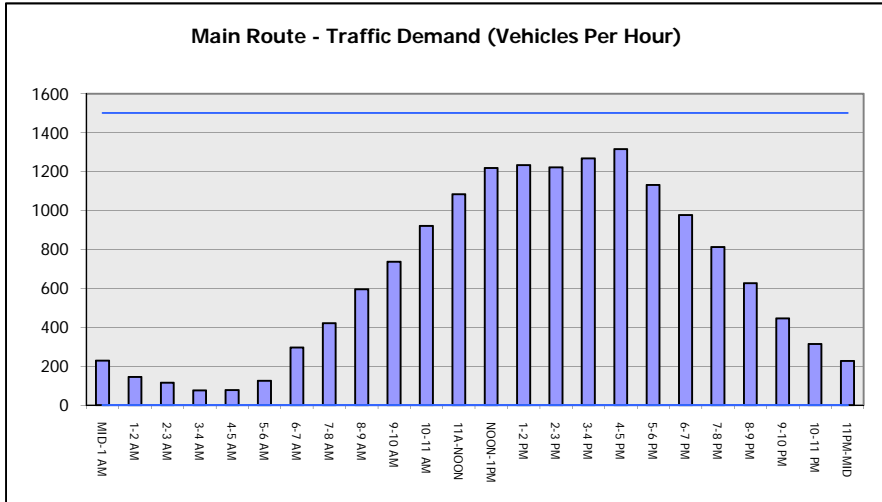
ROAD USER COSTS PER DAY (DOLLARS)	\$2,347
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 43: STH 20 TO STH 164 (WAUKESHA AND WALWORTH COUNTIES)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 83 - CTH L - STH 20

MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



IH 43: STH 20 TO STH 164 (WAUKESHA AND WALWORTH COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 83 - CTH L - STH 20	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	144	0.0	18	0.0	1500	144	0	18	0.44	0	66.1	60.6	44.9	29.6	29.6
1-2 AM	104	0.0	13	0.0	1500	104	0	13	0.43	0	66.2	60.7	45.1	29.7	29.7
2-3 AM	81	0.0	10	0.0	1500	81	0	10	0.43	0	66.3	60.8	45.1	29.7	29.7
3-4 AM	67	0.0	8	0.0	1500	67	0	8	0.43	0	66.3	60.8	45.2	29.7	29.7
4-5 AM	85	0.0	10	0.0	1500	85	0	10	0.43	0	66.2	60.8	45.1	29.7	29.7
5-6 AM	172	0.0	21	0.0	1500	172	0	21	0.44	0	66.1	60.5	44.8	29.6	29.6
6-7 AM	240	0.0	29	0.0	1500	240	0	29	0.45	0	66.0	60.4	44.5	29.5	29.5
7-8 AM	367	0.0	46	0.0	1500	367	0	46	0.46	0	65.7	60.0	44.0	29.4	29.4
8-9 AM	539	0.0	67	0.0	1500	539	0	67	0.47	0	65.4	59.6	43.3	29.2	29.2
9-10 AM	841	0.0	105	0.0	1500	841	0	105	0.50	0	64.8	58.8	42.2	28.8	28.8
10-11 AM	1130	0.0	140	0.0	1500	1130	0	140	0.55	0	64.3	57.9	40.8	28.5	28.5
11A-NOON	1304	0.0	161	0.0	1500	1304	0	161	0.77	0	64.0	55.4	35.4	28.3	28.3
NOON-1PM	1264	0.0	156	0.0	1500	1264	0	156	0.72	0	64.0	56.0	36.5	28.3	28.3
1-2 PM	1211	0.0	150	0.0	1500	1211	0	150	0.65	0	64.1	56.7	38.1	28.4	28.4
2-3 PM	1200	0.0	149	0.0	1500	1200	0	149	0.64	0	64.1	56.8	38.4	28.4	28.4
3-4 PM	1153	0.0	143	0.0	1500	1153	0	143	0.58	0	64.2	57.6	40.0	28.4	28.4
4-5 PM	1199	0.0	148	0.0	1500	1199	0	148	0.64	0	64.1	56.9	38.5	28.4	28.4
5-6 PM	1097	0.0	136	0.0	1500	1097	0	136	0.53	0	64.3	58.1	41.4	28.5	28.5
6-7 PM	1053	0.0	131	0.0	1500	1053	0	131	0.52	0	64.4	58.2	41.5	28.6	28.6
7-8 PM	918	0.0	114	0.0	1500	918	0	114	0.51	0	64.6	58.6	42.0	28.8	28.8
8-9 PM	712	0.0	88	0.0	1500	712	0	88	0.49	0	65.1	59.1	42.7	28.9	28.9
9-10 PM	518	0.0	64	0.0	1500	518	0	64	0.47	0	65.4	59.6	43.4	29.2	29.2
10-11 PM	324	0.0	41	0.0	1500	324	0	41	0.45	0	65.8	60.1	44.2	29.4	29.4
11PM-MID	173	0.0	21	0.0	1500	173	0	21	0.44	0	66.1	60.5	44.8	29.6	29.6

----- 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	0.0134
MAIN ROUTE WITH WORKS	0.0124
DIVERSION	0.0164

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,378
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: STH 83 - CTH L - STH 20**

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 Construction Season

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SUNDAY NORTHBOUND DIRECTION

