

**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
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	209	0.0	26	0.0	1500	209	0	26	0.44	0	66.0	60.4	44.6	29.6	29.6
1-2 AM	129	0.0	16	0.0	1500	129	0	16	0.43	0	66.1	60.7	45.0	29.7	29.7
2-3 AM	98	0.0	12	0.0	1500	98	0	12	0.43	0	66.2	60.7	45.1	29.7	29.7
3-4 AM	92	0.0	11	0.0	1500	92	0	11	0.43	0	66.2	60.7	45.1	29.7	29.7
4-5 AM	157	0.0	19	0.0	1500	157	0	19	0.44	0	66.1	60.6	44.8	29.6	29.6
5-6 AM	389	0.0	49	0.0	1500	389	0	49	0.46	0	65.6	60.0	43.9	29.4	29.4
6-7 AM	804	0.0	99	0.0	1500	804	0	99	0.50	0	64.9	58.9	42.4	28.9	28.9
7-8 AM	1009	0.0	125	0.0	1500	1009	0	125	0.52	0	64.5	58.4	41.7	28.6	28.6
8-9 AM	887	0.0	110	0.0	1500	887	0	110	0.51	0	64.7	58.7	42.1	28.8	28.8
9-10 AM	895	0.0	111	0.0	1500	895	0	111	0.51	0	64.7	58.6	42.0	28.8	28.8
10-11 AM	901	0.0	112	0.0	1500	901	0	112	0.51	0	64.7	58.6	42.0	28.8	28.8
11A-NOON	1024	0.0	127	0.0	1500	1024	0	127	0.52	0	64.5	58.3	41.6	28.6	28.6
NOON-1PM	1145	0.0	142	0.0	1500	1145	0	142	0.57	0	64.3	57.7	40.3	28.4	28.4
1-2 PM	1222	0.0	151	0.0	1499	1222	0	151	0.66	0	64.1	56.5	37.8	28.4	28.4
2-3 PM	1574	0.0	195	0.0	1499	1574	0	195	1.69	21	63.5	47.4	31.0	27.9	27.9
3-4 PM	1996	0.0	248	0.0	1500	1774	223	470	10.08	261	62.7	21.0	30.8	27.4	25.3
4-5 PM	2255	0.0	279	0.0	1499	1558	697	976	15.63	397	62.2	15.3	30.8	27.1	20.6
5-6 PM	2180	0.0	270	0.0	1499	1450	729	999	15.86	403	62.3	15.2	30.8	27.3	20.3
6-7 PM	1387	0.0	171	0.0	1499	1255	133	304	9.54	239	63.8	21.9	31.4	28.2	27.0
7-8 PM	947	0.0	118	0.0	1500	947	0	118	0.93	15	64.6	54.3	41.7	28.7	28.7
8-9 PM	786	0.0	97	0.0	1500	786	0	97	0.50	0	64.9	58.9	42.4	28.9	28.9
9-10 PM	803	0.0	99	0.0	1500	803	0	99	0.50	0	64.9	58.9	42.4	28.9	28.9
10-11 PM	723	0.0	89	0.0	1500	723	0	89	0.49	0	65.0	59.1	42.7	28.9	28.9
11PM-MID	505	0.0	63	0.0	1500	505	0	63	0.47	0	65.5	59.7	43.5	29.2	29.2

----- 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	0.0187
MAIN ROUTE WITH WORKS	0.0158
DIVERSION	0.0377

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

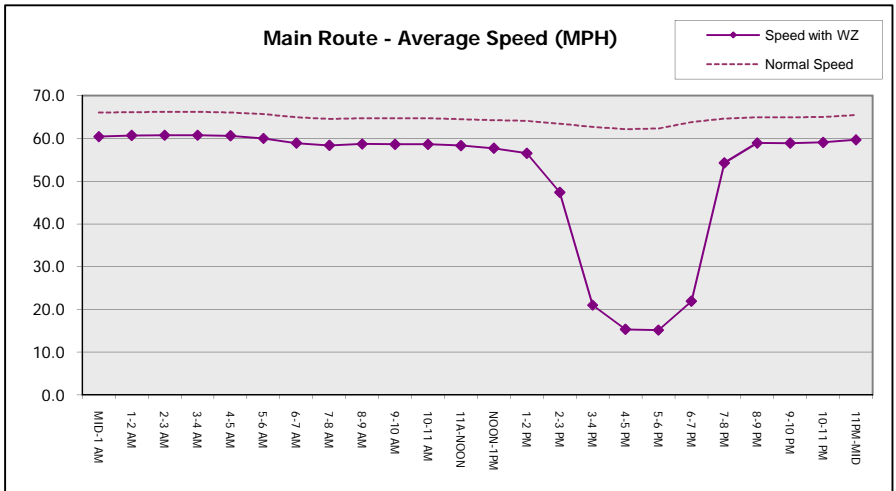
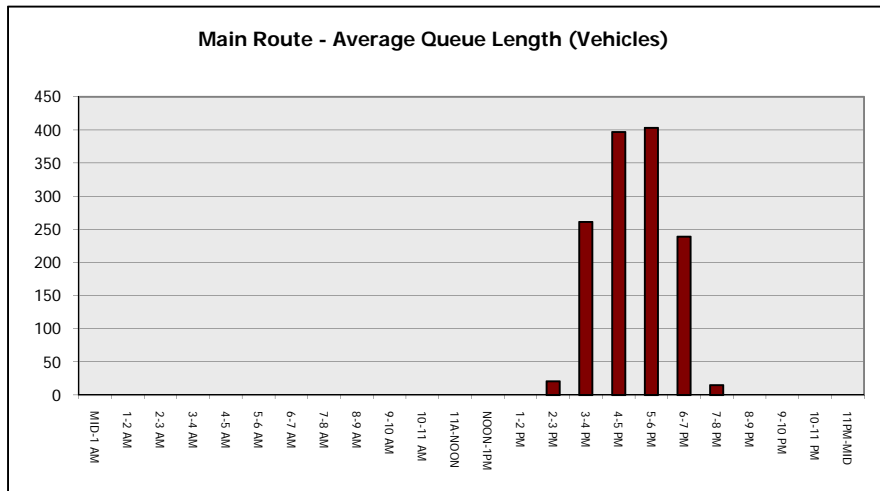
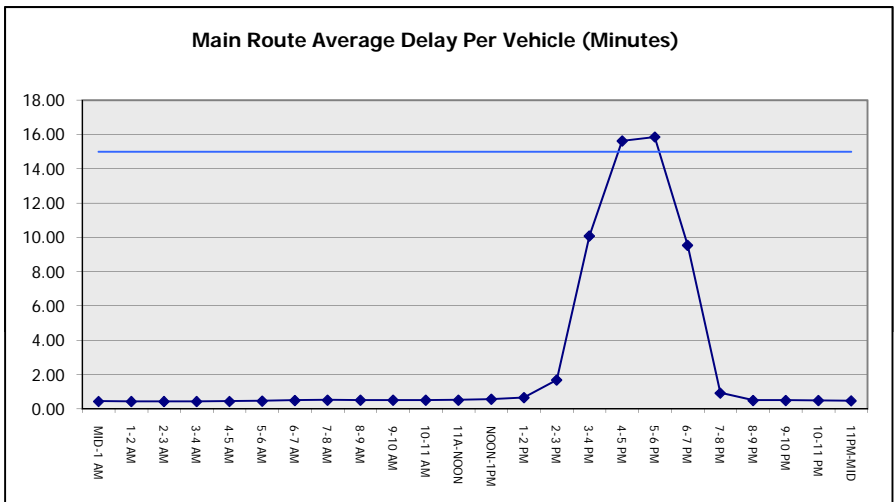
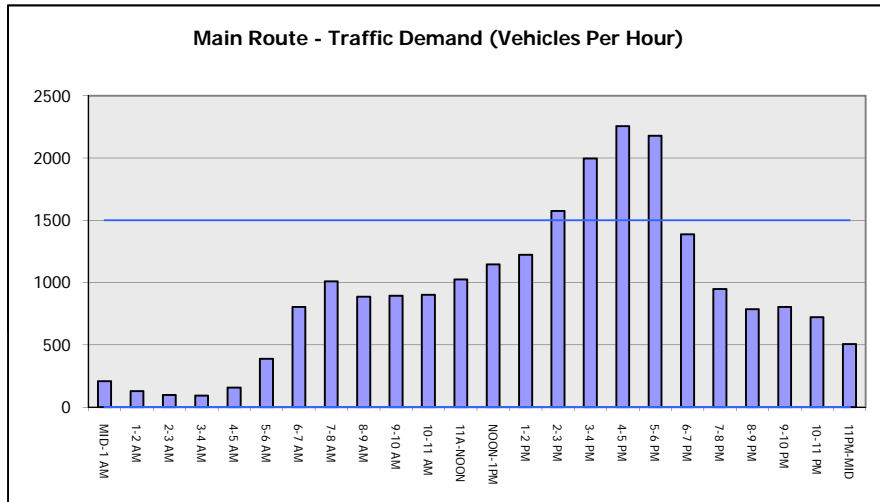
ROAD USER COSTS PER DAY (DOLLARS)	\$25,914
CONGESTED HOURS PER DAY*	2

*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
FRIDAY 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

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	130	0.0	16	0.0	1500	130	0	16	0.44	0	66.1	60.7	45.0	29.7	29.7
1-2 AM	83	0.0	10	0.0	1500	83	0	10	0.43	0	66.3	60.8	45.1	29.7	29.7
2-3 AM	76	0.0	9	0.0	1500	76	0	9	0.43	0	66.3	60.8	45.2	29.7	29.7
3-4 AM	138	0.0	17	0.0	1500	138	0	17	0.44	0	66.1	60.6	45.0	29.6	29.6
4-5 AM	354	0.0	44	0.0	1500	354	0	44	0.46	0	65.7	60.1	44.1	29.4	29.4
5-6 AM	1160	0.0	144	0.0	1499	1160	0	144	0.67	0	64.2	56.6	38.0	28.4	28.4
6-7 AM	1864	0.0	231	0.0	1499	1845	18	250	5.81	155	62.9	29.2	30.8	27.6	27.4
7-8 AM	1890	0.0	234	0.0	1499	1463	427	661	13.05	326	62.8	17.6	30.8	27.6	23.5
8-9 AM	1433	0.0	178	0.0	1499	1362	72	249	9.83	240	63.7	21.4	30.8	28.1	27.4
9-10 AM	1108	0.0	137	0.0	1500	1108	0	137	1.75	42	64.3	47.4	38.6	28.5	28.5
10-11 AM	1045	0.0	130	0.0	1500	1045	0	130	0.52	0	64.5	58.2	41.5	28.6	28.6
11A-NOON	1018	0.0	126	0.0	1500	1018	0	126	0.52	0	64.5	58.3	41.6	28.6	28.6
NOON-1PM	1041	0.0	129	0.0	1500	1041	0	129	0.52	0	64.5	58.2	41.5	28.6	28.6
1-2 PM	1076	0.0	133	0.0	1500	1076	0	133	0.53	0	64.4	58.2	41.4	28.6	28.6
2-3 PM	1151	0.0	143	0.0	1500	1151	0	143	0.57	0	64.2	57.6	40.1	28.4	28.4
3-4 PM	1402	0.0	174	0.0	1499	1402	0	174	0.90	0	63.8	54.0	33.0	28.1	28.1
4-5 PM	1528	0.0	190	0.0	1499	1528	0	190	1.34	8	63.5	50.1	30.8	28.0	28.0
5-6 PM	1563	0.0	194	0.0	1500	1563	0	194	3.53	68	63.5	37.3	30.8	27.9	27.9
6-7 PM	1224	0.0	152	0.0	1499	1224	0	152	1.40	22	64.1	50.1	36.9	28.4	28.4
7-8 PM	799	0.0	99	0.0	1500	799	0	99	0.50	0	64.9	58.9	42.4	28.9	28.9
8-9 PM	663	0.0	82	0.0	1500	663	0	82	0.49	0	65.1	59.2	42.9	29.0	29.0
9-10 PM	526	0.0	65	0.0	1500	526	0	65	0.47	0	65.4	59.6	43.4	29.2	29.2
10-11 PM	386	0.0	48	0.0	1500	386	0	48	0.46	0	65.6	60.0	44.0	29.4	29.4
11PM-MID	281	0.0	34	0.0	1500	281	0	34	0.45	0	65.9	60.2	44.3	29.5	29.5

----- 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	0.0185
MAIN ROUTE WITH WORKS	0.0167
DIVERSION	0.0270

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$15,453
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**

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

