

<b>IH 43: STH 164 TO CTH Y (WAUKESHA COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: CTH Y - NATIONAL AVE - STH 164</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	143	0.0	17	0.0	1500	143	0	17	0.44	0	66.1	57.9	44.9	24.7	24.7
1-2 AM	97	0.0	12	0.0	1500	97	0	12	0.43	0	66.2	58.1	45.1	24.8	24.8
2-3 AM	76	0.0	9	0.0	1500	76	0	9	0.43	0	66.3	58.1	45.2	24.8	24.8
3-4 AM	109	0.0	13	0.0	1500	109	0	13	0.43	0	66.2	58.0	45.0	24.7	24.7
4-5 AM	218	0.0	26	0.0	1500	218	0	26	0.44	0	66.0	57.7	44.6	24.7	24.7
5-6 AM	582	0.0	70	0.0	1500	582	0	70	0.48	0	65.3	56.6	43.2	24.3	24.3
6-7 AM	1115	0.0	134	0.0	1500	1115	0	134	0.53	0	64.3	55.1	41.3	23.8	23.8
7-8 AM	1147	0.0	138	0.0	1500	1147	0	138	0.57	0	64.3	54.5	40.2	23.8	23.8
8-9 AM	962	0.0	116	0.0	1500	962	0	116	0.52	0	64.6	55.5	41.8	24.0	24.0
9-10 AM	907	0.0	110	0.0	1500	907	0	110	0.51	0	64.7	55.7	42.0	24.0	24.0
10-11 AM	936	0.0	113	0.0	1500	936	0	113	0.51	0	64.6	55.6	41.9	24.0	24.0
11A-NOON	1007	0.0	121	0.0	1500	1007	0	121	0.52	0	64.5	55.4	41.7	23.9	23.9
NOON-1PM	1098	0.0	133	0.0	1500	1098	0	133	0.53	0	64.3	55.1	41.4	23.8	23.8
1-2 PM	1281	0.0	155	0.0	1499	1281	0	155	0.74	0	64.0	51.9	36.1	23.7	23.7
2-3 PM	1742	0.0	210	0.0	1499	1742	0	210	3.60	88	63.2	29.9	30.8	23.2	23.2
3-4 PM	2311	0.0	278	0.0	1499	1638	673	951	13.11	331	62.1	12.4	30.8	22.7	17.6
4-5 PM	2609	0.0	315	0.0	1500	1562	1047	1363+	16.65	427	59.7	10.5	30.8	22.4	14.7
5-6 PM	2225	0.0	268	0.0	1499	1365	860	1128	14.52	369	62.2	11.6	30.8	22.8	16.3
6-7 PM	1367	0.0	164	0.0	1500	1268	99	263	7.74	194	63.8	18.6	32.2	23.6	22.8
7-8 PM	1008	0.0	121	0.0	1500	1008	0	121	0.70	6	64.5	52.8	41.5	23.9	23.9
8-9 PM	871	0.0	105	0.0	1500	871	0	105	0.51	0	64.8	55.8	42.2	24.0	24.0
9-10 PM	714	0.0	86	0.0	1500	714	0	86	0.49	0	65.1	56.2	42.7	24.2	24.2
10-11 PM	479	0.0	58	0.0	1500	479	0	58	0.47	0	65.5	56.9	43.6	24.4	24.4
11PM-MID	268	0.0	32	0.0	1500	268	0	32	0.45	0	65.9	57.6	44.4	24.6	24.6

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.0126
MAIN ROUTE WITH WORKS	0.0098
DIVERSION	0.0309

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$29,306
CONGESTED HOURS PER DAY*	1

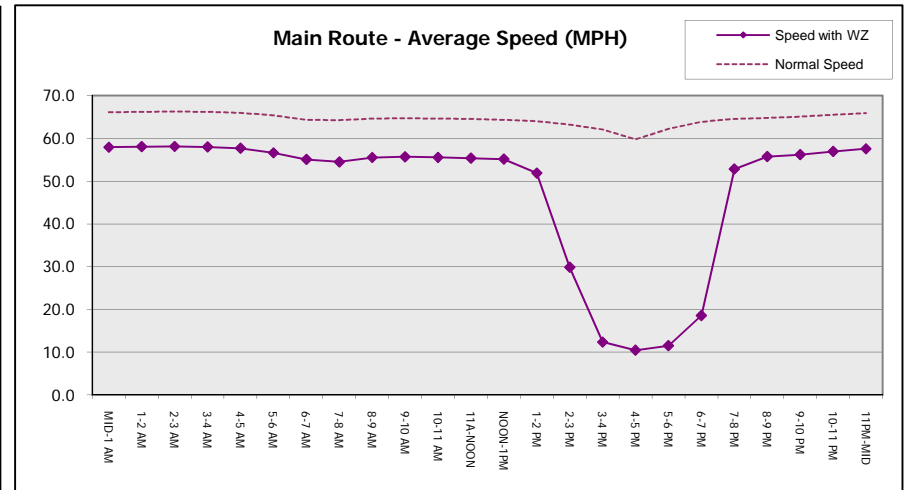
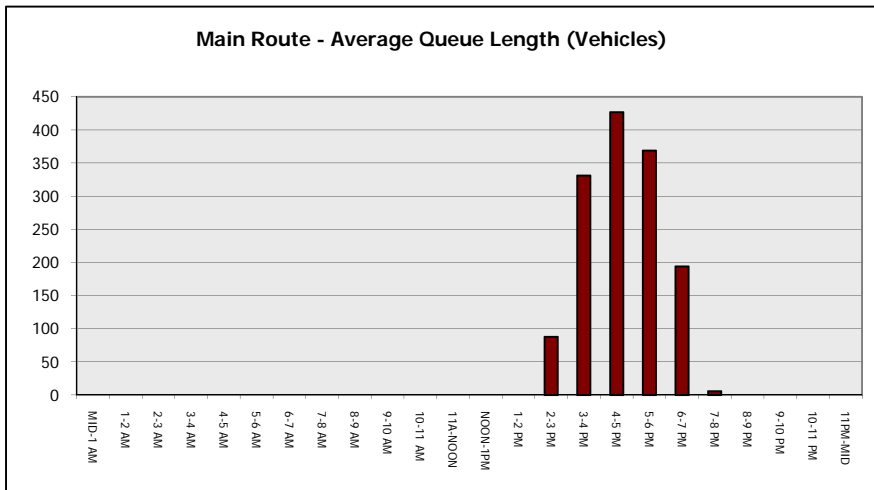
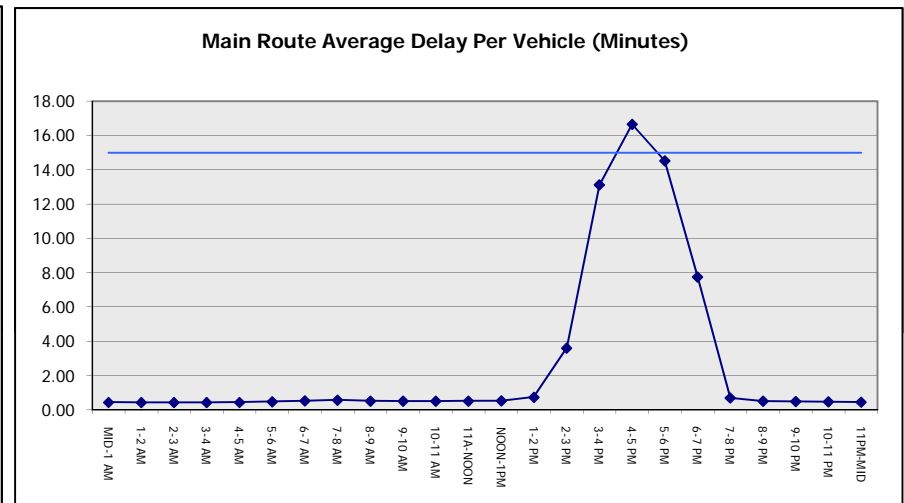
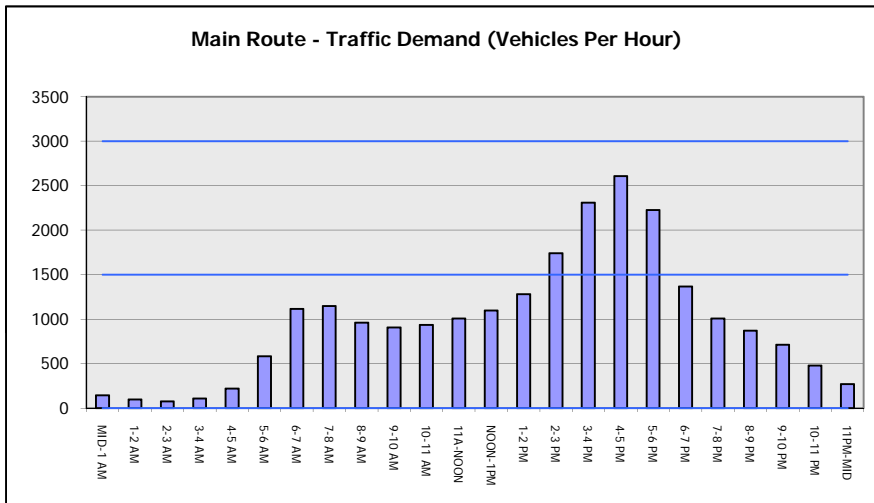
\*Delays Exceeding 15 Minutes

**IH 43: STH 164 TO CTH Y (WAUKESHA COUNTY)**  
**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: CTH Y - NATIONAL AVE - STH 164**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**MON-THUR SOUTHBOUND DIRECTION**



<b>IH 43: STH 164 TO CTH Y (WAUKESHA COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: CTH Y - NATIONAL AVE - STH 164</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR      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	114	0.0	14	0.0	1500	114	0	14	0.43	0	66.2	58.0	45.0	24.7	24.7
1-2 AM	75	0.0	9	0.0	1500	75	0	9	0.43	0	66.3	58.1	45.2	24.8	24.8
2-3 AM	97	0.0	12	0.0	1500	97	0	12	0.43	0	66.2	58.1	45.1	24.8	24.8
3-4 AM	195	0.0	23	0.0	1500	195	0	23	0.44	0	66.0	57.8	44.7	24.7	24.7
4-5 AM	617	0.0	74	0.0	1500	617	0	74	0.48	0	65.3	56.5	43.0	24.3	24.3
5-6 AM	1720	0.0	207	0.0	1499	1720	0	207	2.40	57	63.2	36.3	31.0	23.2	23.2
6-7 AM	2538	0.0	306	0.0	1499	1709	829	1135	14.50	373	60.5	11.6	30.8	22.5	16.3
7-8 AM	2393	0.0	288	0.0	1499	1414	980	1267+	15.78	401	61.9	10.9	30.8	22.6	15.3
8-9 AM	1553	0.0	187	0.0	1500	1327	226	413	9.76	240	63.5	15.7	31.1	23.4	21.7
9-10 AM	1227	0.0	148	0.0	1499	1227	0	148	2.54	70	64.1	35.6	35.3	23.7	23.7
10-11 AM	1120	0.0	135	0.0	1500	1120	0	135	0.53	0	64.3	55.0	41.2	23.8	23.8
11A-NOON	1092	0.0	132	0.0	1500	1092	0	132	0.53	0	64.3	55.1	41.4	23.8	23.8
NOON-1PM	1069	0.0	129	0.0	1500	1069	0	129	0.53	0	64.4	55.2	41.4	23.8	23.8
1-2 PM	1146	0.0	138	0.0	1500	1146	0	138	0.57	0	64.3	54.5	40.2	23.8	23.8
2-3 PM	1222	0.0	148	0.0	1500	1222	0	148	0.66	0	64.1	53.0	37.8	23.7	23.7
3-4 PM	1444	0.0	175	0.0	1499	1444	0	175	0.95	0	63.7	49.1	32.0	23.5	23.5
4-5 PM	1506	0.0	182	0.0	1499	1506	0	182	1.22	5	63.6	46.1	30.8	23.5	23.5
5-6 PM	1374	0.0	165	0.0	1500	1374	0	165	0.87	0	63.8	50.2	33.7	23.6	23.6
6-7 PM	978	0.0	118	0.0	1500	978	0	118	0.52	0	64.6	55.5	41.7	23.9	23.9
7-8 PM	735	0.0	89	0.0	1500	735	0	89	0.49	0	65.0	56.2	42.6	24.2	24.2
8-9 PM	621	0.0	75	0.0	1500	621	0	75	0.48	0	65.2	56.5	43.0	24.3	24.3
9-10 PM	494	0.0	60	0.0	1500	494	0	60	0.47	0	65.5	56.9	43.5	24.4	24.4
10-11 PM	323	0.0	39	0.0	1500	323	0	39	0.45	0	65.8	57.4	44.2	24.5	24.5
11PM-MID	167	0.0	20	0.0	1500	167	0	20	0.44	0	66.1	57.9	44.8	24.7	24.7

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.0129
MAIN ROUTE WITH WORKS	0.0103
DIVERSION	0.0277

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$24,044
CONGESTED HOURS PER DAY*	1

\*Delays Exceeding 15 Minutes

**IH 43: STH 164 TO CTH Y (WAUKESHA COUNTY)  
 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: CTH Y - NATIONAL AVE - STH 164**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR NORTHBOUND DIRECTION**

