

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

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	244	0.0	29	0.0	1500	244	0	29	0.45	0	66.0	57.6	44.5	24.6	24.6
1-2 AM	150	0.0	18	0.0	1500	150	0	18	0.44	0	66.1	57.9	44.9	24.7	24.7
2-3 AM	115	0.0	14	0.0	1500	115	0	14	0.43	0	66.2	58.0	45.0	24.7	24.7
3-4 AM	107	0.0	13	0.0	1500	107	0	13	0.43	0	66.2	58.0	45.1	24.7	24.7
4-5 AM	183	0.0	22	0.0	1500	183	0	22	0.44	0	66.1	57.8	44.8	24.7	24.7
5-6 AM	454	0.0	54	0.0	1500	454	0	54	0.47	0	65.5	57.0	43.7	24.4	24.4
6-7 AM	936	0.0	113	0.0	1500	936	0	113	0.51	0	64.6	55.6	41.9	24.0	24.0
7-8 AM	1174	0.0	141	0.0	1500	1174	0	141	0.60	0	64.2	54.0	39.3	23.8	23.8
8-9 AM	1033	0.0	125	0.0	1500	1033	0	125	0.52	0	64.5	55.3	41.5	23.9	23.9
9-10 AM	1042	0.0	126	0.0	1500	1042	0	126	0.52	0	64.5	55.3	41.5	23.8	23.8
10-11 AM	1050	0.0	127	0.0	1500	1050	0	127	0.52	0	64.5	55.3	41.5	23.8	23.8
11A-NOON	1193	0.0	144	0.0	1500	1193	0	144	0.63	0	64.1	53.6	38.7	23.7	23.7
NOON-1PM	1333	0.0	161	0.0	1500	1333	0	161	0.81	0	63.9	51.0	34.7	23.6	23.6
1-2 PM	1424	0.0	172	0.0	1499	1424	0	172	0.92	0	63.7	49.4	32.5	23.5	23.5
2-3 PM	1833	0.0	221	0.0	1499	1813	20	241	5.00	134	63.0	24.8	30.8	23.2	23.0
3-4 PM	2325	0.0	280	0.0	1499	1569	756	1037	13.75	346	62.0	12.0	30.8	22.7	16.9
4-5 PM	2627	0.0	317	0.0	1500	1575	1052	1369+	16.71	429	59.6	10.5	30.8	22.4	14.6
5-6 PM	2538	0.0	307	0.0	1499	1438	1101	1407+	17.21	441	60.5	10.4	30.8	22.5	14.4
6-7 PM	1616	0.0	195	0.0	1500	1301	315	510	10.36	259	63.4	15.0	31.1	23.3	20.9
7-8 PM	1103	0.0	133	0.0	1499	1103	0	133	2.02	60	64.3	39.3	37.8	23.8	23.8
8-9 PM	916	0.0	111	0.0	1500	916	0	111	0.51	0	64.7	55.6	42.0	24.0	24.0
9-10 PM	935	0.0	113	0.0	1500	935	0	113	0.51	0	64.6	55.6	41.9	24.0	24.0
10-11 PM	842	0.0	102	0.0	1500	842	0	102	0.50	0	64.8	55.9	42.2	24.0	24.0
11PM-MID	589	0.0	71	0.0	1500	589	0	71	0.48	0	65.3	56.6	43.2	24.3	24.3

+ 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	0.0139
MAIN ROUTE WITH WORKS	0.0107
DIVERSION	0.0358

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$36,539
CONGESTED HOURS PER DAY*	2

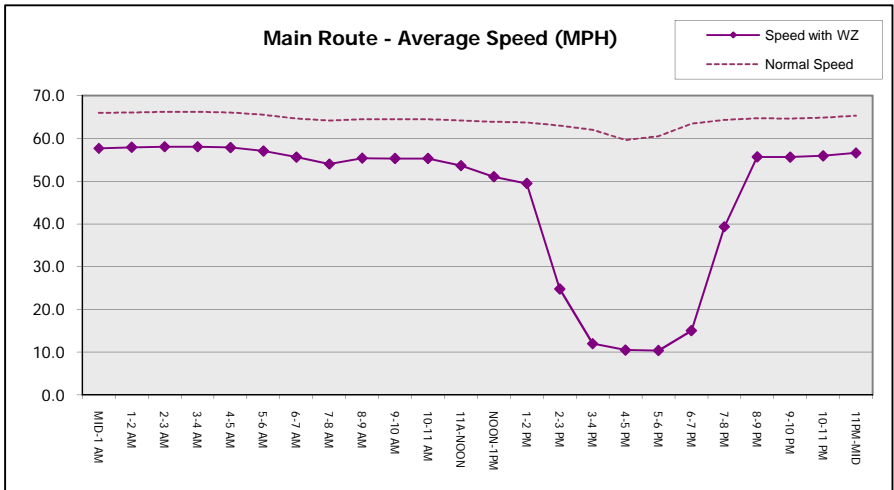
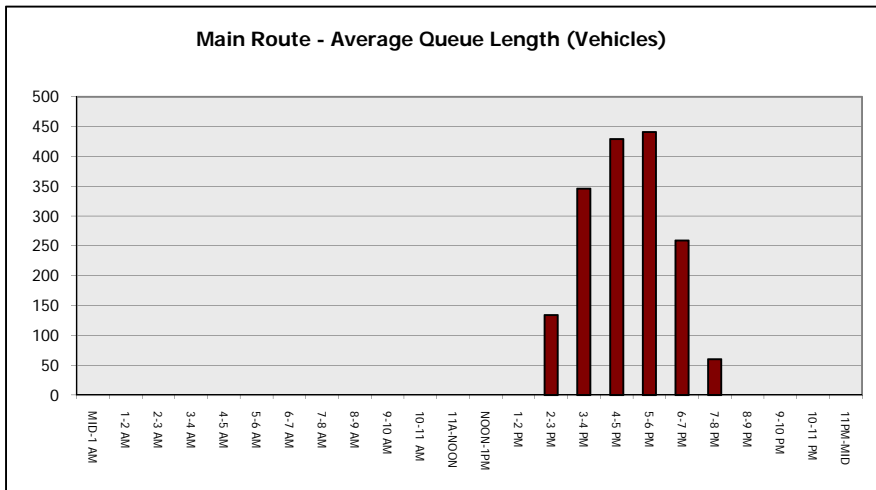
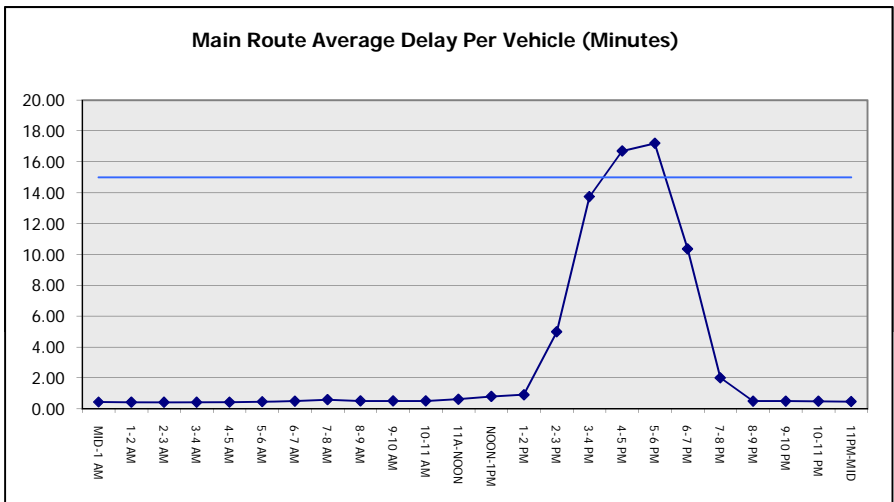
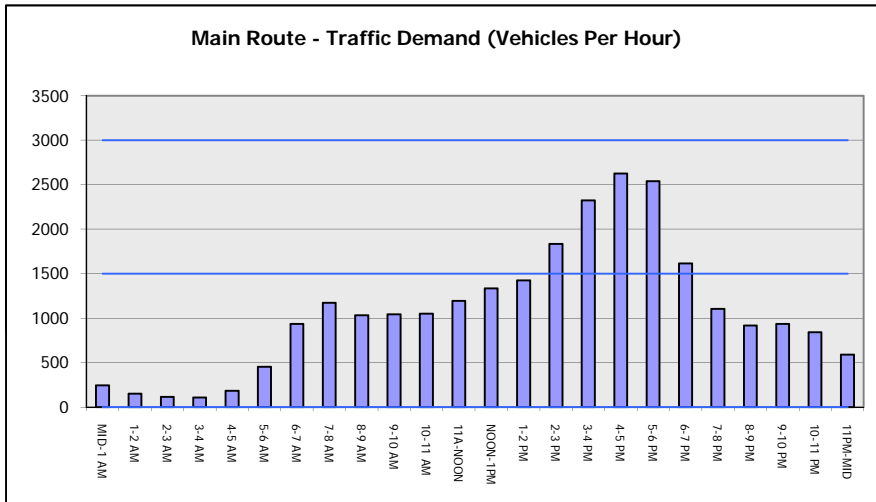
*Delays Exceeding 15 Minutes

**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

FRIDAY SOUTHBOUND DIRECTION



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

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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		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	18	0.0	1500	151	0	18	0.44	0	66.1	57.9	44.9	24.7	24.7
1-2 AM	96	0.0	12	0.0	1500	96	0	12	0.43	0	66.2	58.1	45.1	24.8	24.8
2-3 AM	90	0.0	10	0.0	1500	90	0	10	0.43	0	66.2	58.1	45.1	24.8	24.8
3-4 AM	162	0.0	20	0.0	1500	162	0	20	0.44	0	66.1	57.9	44.8	24.7	24.7
4-5 AM	412	0.0	49	0.0	1500	412	0	49	0.46	0	65.6	57.1	43.8	24.5	24.5
5-6 AM	1351	0.0	163	0.0	1499	1351	0	163	1.03	8	63.8	48.3	35.8	23.6	23.6
6-7 AM	2171	0.0	262	0.0	1500	1811	360	621	9.69	256	62.3	15.7	30.8	22.9	20.1
7-8 AM	2202	0.0	266	0.0	1499	1472	729	995	13.45	337	62.3	12.2	30.8	22.8	17.2
8-9 AM	1670	0.0	202	0.0	1499	1404	266	468	10.32	252	63.3	15.0	30.8	23.3	21.2
9-10 AM	1291	0.0	156	0.0	1499	1291	0	156	5.29	132	64.0	24.0	32.4	23.7	23.7
10-11 AM	1218	0.0	147	0.0	1500	1218	0	147	0.67	0	64.1	52.9	37.9	23.7	23.7
11A-NOON	1187	0.0	143	0.0	1500	1187	0	143	0.62	0	64.1	53.7	38.9	23.7	23.7
NOON-1PM	1213	0.0	147	0.0	1500	1213	0	147	0.65	0	64.1	53.2	38.1	23.7	23.7
1-2 PM	1253	0.0	151	0.0	1500	1253	0	151	0.70	0	64.0	52.4	36.8	23.7	23.7
2-3 PM	1341	0.0	162	0.0	1499	1341	0	162	0.82	0	63.9	50.9	34.5	23.6	23.6
3-4 PM	1632	0.0	197	0.0	1499	1632	0	197	2.71	52	63.3	34.3	30.8	23.3	23.3
4-5 PM	1780	0.0	215	0.0	1500	1626	154	369	9.29	227	63.1	16.3	30.8	23.2	22.0
5-6 PM	1822	0.0	220	0.0	1500	1496	326	546	10.69	261	63.0	14.7	30.8	23.2	20.7
6-7 PM	1427	0.0	172	0.0	1499	1374	53	224	8.38	201	63.7	17.6	30.8	23.5	23.1
7-8 PM	932	0.0	112	0.0	1500	931	0	112	0.91	16	64.6	50.1	41.8	24.0	24.0
8-9 PM	773	0.0	93	0.0	1500	773	0	93	0.50	0	65.0	56.1	42.5	24.1	24.1
9-10 PM	613	0.0	74	0.0	1500	613	0	74	0.48	0	65.3	56.5	43.1	24.3	24.3
10-11 PM	450	0.0	54	0.0	1500	450	0	54	0.47	0	65.6	57.0	43.7	24.4	24.4
11PM-MID	328	0.0	40	0.0	1500	328	0	40	0.45	0	65.8	57.4	44.2	24.5	24.5

----- 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	0.0138
MAIN ROUTE WITH WORKS	0.0112
DIVERSION	0.0280

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$31,680
CONGESTED HOURS PER DAY*	0

*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
FRIDAY NORTHBOUND DIRECTION

