

IH 43: STH 164 TO CTH Y (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH Y - NATIONAL AVE - STH 164	AUGUST
	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	279	0.0	33	0.0	1500	279	0	33	0.45	0	65.9	57.5	44.3	24.6	24.6
1-2 AM	162	0.0	20	0.0	1500	162	0	20	0.44	0	66.1	57.9	44.8	24.7	24.7
2-3 AM	119	0.0	15	0.0	1500	119	0	15	0.43	0	66.1	58.0	45.0	24.7	24.7
3-4 AM	117	0.0	14	0.0	1500	117	0	14	0.43	0	66.1	58.0	45.0	24.7	24.7
4-5 AM	188	0.0	23	0.0	1500	188	0	23	0.44	0	66.0	57.8	44.7	24.7	24.7
5-6 AM	427	0.0	51	0.0	1500	427	0	51	0.46	0	65.6	57.1	43.8	24.5	24.5
6-7 AM	935	0.0	113	0.0	1500	935	0	113	0.51	0	64.6	55.6	41.9	24.0	24.0
7-8 AM	1135	0.0	137	0.0	1500	1135	0	137	0.55	0	64.3	54.7	40.6	23.8	23.8
8-9 AM	1027	0.0	125	0.0	1500	1027	0	125	0.52	0	64.5	55.3	41.6	23.9	23.9
9-10 AM	1029	0.0	125	0.0	1500	1029	0	125	0.52	0	64.5	55.3	41.5	23.9	23.9
10-11 AM	1122	0.0	135	0.0	1500	1122	0	135	0.54	0	64.3	55.0	41.1	23.8	23.8
11A-NOON	1192	0.0	143	0.0	1500	1192	0	143	0.63	0	64.1	53.6	38.7	23.7	23.7
NOON-1PM	1392	0.0	169	0.0	1499	1392	0	169	0.88	0	63.8	50.0	33.2	23.5	23.5
1-2 PM	1493	0.0	180	0.0	1499	1493	0	180	1.22	7	63.6	46.1	31.5	23.5	23.5
2-3 PM	1902	0.0	229	0.0	1500	1770	132	362	6.81	178	62.8	20.2	30.8	23.1	22.0
3-4 PM	2325	0.0	281	0.0	1499	1584	741	1022	13.64	343	62.0	12.0	30.8	22.7	17.0
4-5 PM	2711	0.0	328	0.0	1500	1600	1112	1439+	17.49	452	58.7	10.2	30.8	22.4	14.2
5-6 PM	2337	0.0	283	0.0	1499	1361	976	1259+	15.72	400	62.0	10.9	30.8	22.7	15.3
6-7 PM	1853	0.0	224	0.0	1500	1401	451	675	11.39	282	62.9	13.9	30.8	23.1	19.7
7-8 PM	1195	0.0	144	0.0	1499	1185	11	155	3.67	113	64.1	29.8	35.2	23.7	23.7
8-9 PM	1020	0.0	124	0.0	1500	1020	0	124	0.52	0	64.5	55.3	41.6	23.9	23.9
9-10 PM	1067	0.0	129	0.0	1500	1067	0	129	0.53	0	64.4	55.2	41.4	23.8	23.8
10-11 PM	994	0.0	120	0.0	1500	994	0	120	0.52	0	64.5	55.5	41.7	23.9	23.9
11PM-MID	693	0.0	84	0.0	1500	693	0	84	0.49	0	65.1	56.3	42.8	24.2	24.2

+ 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	0.0145
MAIN ROUTE WITH WORKS	0.0111
DIVERSION	0.0375

PIA: Personal Injury Accidents

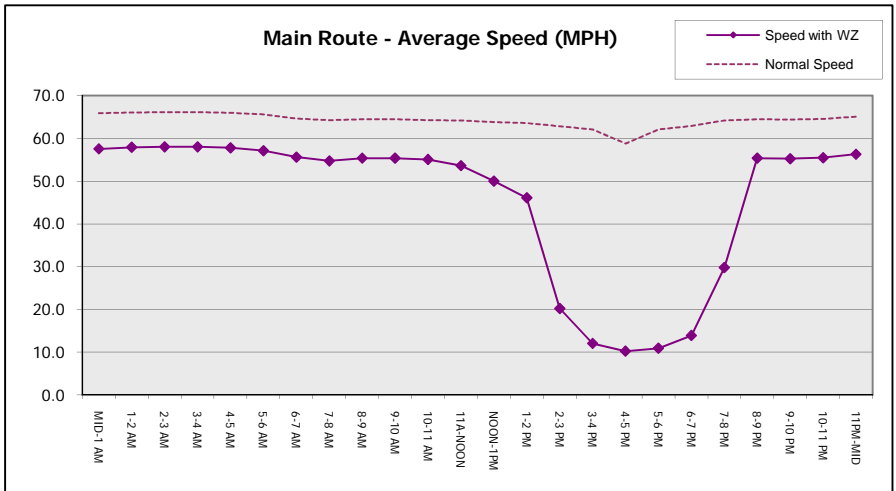
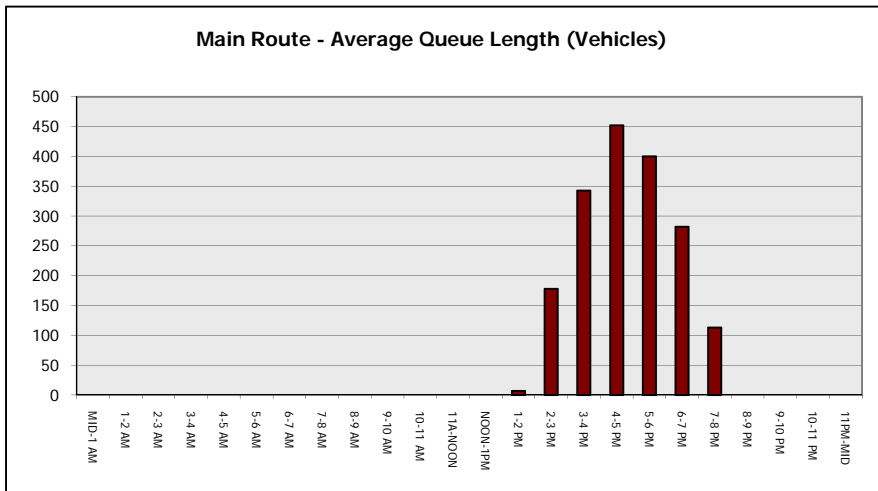
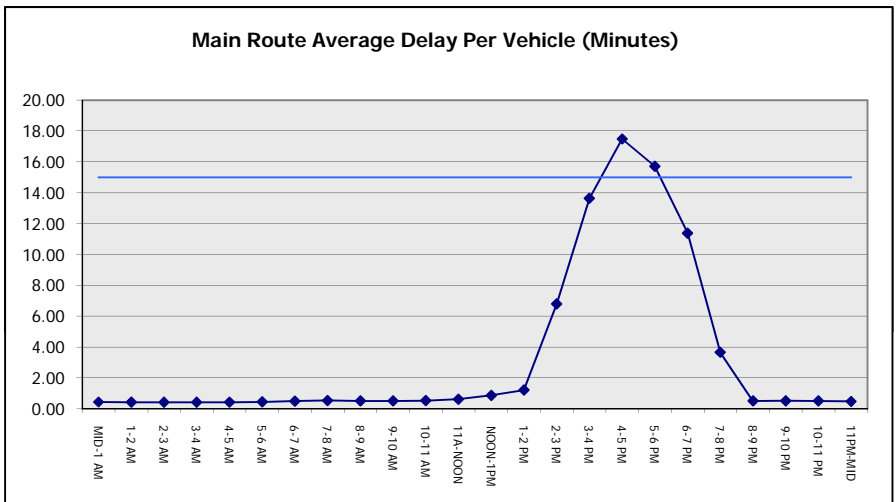
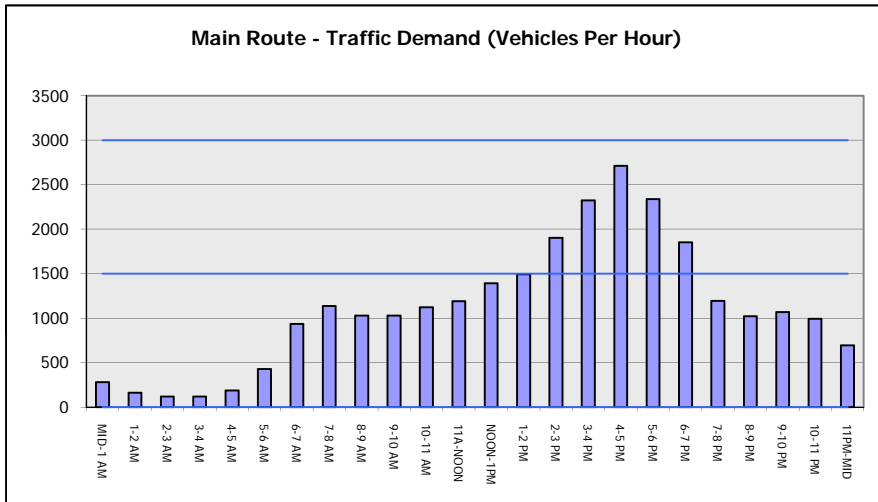
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$38,533
CONGESTED HOURS PER DAY*	2

*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**

AUGUST
 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	AUGUST
	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	177	0.0	21	0.0	1500	177	0	21	0.44	0	66.1	57.8	44.8	24.7	24.7
1-2 AM	109	0.0	14	0.0	1500	109	0	14	0.43	0	66.2	58.0	45.0	24.7	24.7
2-3 AM	110	0.0	14	0.0	1500	110	0	14	0.43	0	66.2	58.0	45.0	24.7	24.7
3-4 AM	159	0.0	19	0.0	1500	159	0	19	0.44	0	66.1	57.9	44.8	24.7	24.7
4-5 AM	409	0.0	49	0.0	1500	409	0	49	0.46	0	65.6	57.1	43.8	24.5	24.5
5-6 AM	1215	0.0	147	0.0	1499	1215	0	147	0.71	0	64.1	52.4	37.0	23.7	23.7
6-7 AM	2120	0.0	255	0.0	1499	1843	276	532	7.81	212	62.4	18.4	30.8	22.9	20.7
7-8 AM	2406	0.0	290	0.0	1499	1527	879	1169	14.83	374	61.9	11.2	30.8	22.6	15.9
8-9 AM	1723	0.0	208	0.0	1499	1359	365	573	10.84	268	63.2	14.5	30.8	23.2	20.4
9-10 AM	1435	0.0	173	0.0	1500	1426	9	181	8.38	199	63.7	17.6	30.8	23.5	23.5
10-11 AM	1355	0.0	163	0.0	1499	1355	0	163	3.83	84	63.8	29.1	31.6	23.6	23.6
11A-NOON	1354	0.0	163	0.0	1500	1354	0	163	0.85	0	63.8	50.5	34.1	23.6	23.6
NOON-1PM	1341	0.0	162	0.0	1500	1341	0	162	0.82	0	63.9	50.9	34.4	23.6	23.6
1-2 PM	1371	0.0	165	0.0	1500	1371	0	165	0.86	0	63.8	50.3	33.7	23.6	23.6
2-3 PM	1438	0.0	174	0.0	1499	1438	0	174	0.94	0	63.7	49.2	32.1	23.5	23.5
3-4 PM	1630	0.0	197	0.0	1499	1630	0	197	2.80	54	63.3	33.8	30.8	23.3	23.3
4-5 PM	1763	0.0	212	0.0	1500	1627	137	349	9.04	221	63.1	16.6	30.8	23.2	22.2
5-6 PM	1847	0.0	223	0.0	1500	1503	344	567	10.80	264	63.0	14.5	30.8	23.1	20.5
6-7 PM	1493	0.0	180	0.0	1499	1411	82	262	9.01	217	63.6	16.7	30.8	23.5	22.9
7-8 PM	1045	0.0	127	0.0	1500	1045	0	127	1.50	39	64.5	43.7	39.3	23.8	23.8
8-9 PM	819	0.0	98	0.0	1500	819	0	98	0.50	0	64.8	56.0	42.3	24.1	24.1
9-10 PM	719	0.0	87	0.0	1500	719	0	87	0.49	0	65.0	56.2	42.7	24.2	24.2
10-11 PM	552	0.0	67	0.0	1500	552	0	67	0.48	0	65.3	56.7	43.3	24.3	24.3
11PM-MID	455	0.0	55	0.0	1500	455	0	55	0.47	0	65.5	57.0	43.7	24.4	24.4

----- 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	0.0146
MAIN ROUTE WITH WORKS	0.0118
DIVERSION	0.0302

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$35,586
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: CTH Y - NATIONAL AVE - STH 164**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

