

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

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	196	0.0	24	0.0	1500	196	0	24	0.44	0	66.0	57.8	44.7	24.7	24.7
1-2 AM	116	0.0	14	0.0	1500	116	0	14	0.43	0	66.2	58.0	45.0	24.7	24.7
2-3 AM	89	0.0	10	0.0	1500	89	0	10	0.43	0	66.2	58.1	45.1	24.8	24.8
3-4 AM	106	0.0	13	0.0	1500	106	0	13	0.43	0	66.2	58.0	45.1	24.7	24.7
4-5 AM	214	0.0	26	0.0	1500	214	0	26	0.44	0	66.0	57.7	44.6	24.7	24.7
5-6 AM	536	0.0	65	0.0	1500	536	0	65	0.47	0	65.4	56.8	43.3	24.3	24.3
6-7 AM	1065	0.0	129	0.0	1500	1065	0	129	0.53	0	64.4	55.2	41.4	23.8	23.8
7-8 AM	1157	0.0	140	0.0	1500	1157	0	140	0.58	0	64.2	54.3	39.9	23.8	23.8
8-9 AM	1008	0.0	121	0.0	1500	1008	0	121	0.52	0	64.5	55.4	41.7	23.9	23.9
9-10 AM	974	0.0	117	0.0	1500	974	0	117	0.52	0	64.6	55.5	41.8	24.0	24.0
10-11 AM	1014	0.0	122	0.0	1500	1014	0	122	0.52	0	64.5	55.4	41.6	23.9	23.9
11A-NOON	1070	0.0	129	0.0	1500	1070	0	129	0.53	0	64.4	55.2	41.4	23.8	23.8
NOON-1PM	1141	0.0	138	0.0	1500	1141	0	138	0.56	0	64.3	54.6	40.4	23.8	23.8
1-2 PM	1307	0.0	158	0.0	1499	1307	0	158	0.77	0	64.0	51.5	35.4	23.6	23.6
2-3 PM	1733	0.0	209	0.0	1499	1733	0	209	3.54	86	63.2	30.1	30.8	23.2	23.2
3-4 PM	2290	0.0	276	0.0	1499	1642	648	924	12.93	326	62.1	12.5	30.8	22.7	17.8
4-5 PM	2641	0.0	319	0.0	1500	1583	1059	1378+	16.81	432	59.4	10.4	30.8	22.4	14.6
5-6 PM	2401	0.0	290	0.0	1499	1393	1008	1298+	16.10	410	61.9	10.7	30.8	22.6	15.1
6-7 PM	1505	0.0	182	0.0	1500	1297	208	390	9.34	231	63.6	16.3	31.1	23.5	21.9
7-8 PM	1066	0.0	129	0.0	1500	1066	0	129	1.30	30	64.4	45.6	39.6	23.8	23.8
8-9 PM	957	0.0	116	0.0	1500	957	0	116	0.51	0	64.6	55.5	41.9	24.0	24.0
9-10 PM	806	0.0	97	0.0	1500	806	0	97	0.50	0	64.9	56.0	42.4	24.1	24.1
10-11 PM	610	0.0	73	0.0	1500	610	0	73	0.48	0	65.3	56.5	43.1	24.3	24.3
11PM-MID	375	0.0	45	0.0	1500	375	0	45	0.46	0	65.7	57.2	44.0	24.5	24.5

+ 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	0.0132
MAIN ROUTE WITH WORKS	0.0102
DIVERSION	0.0331

PIA: Personal Injury Accidents

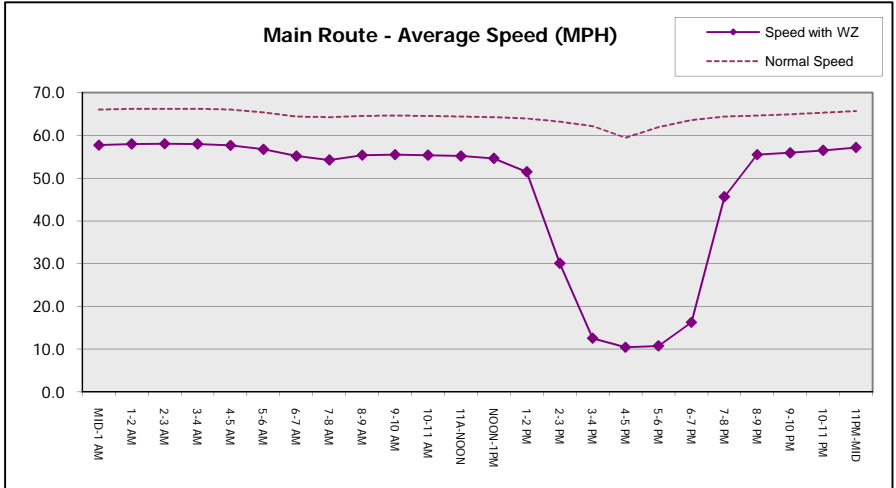
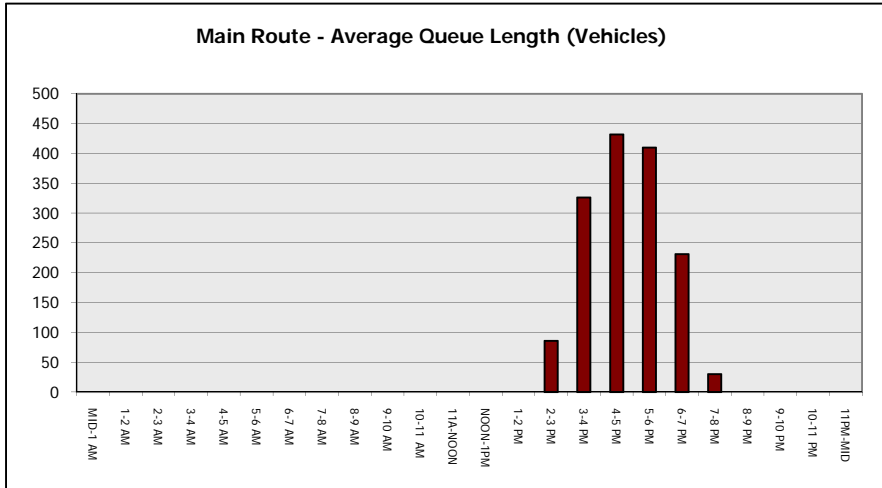
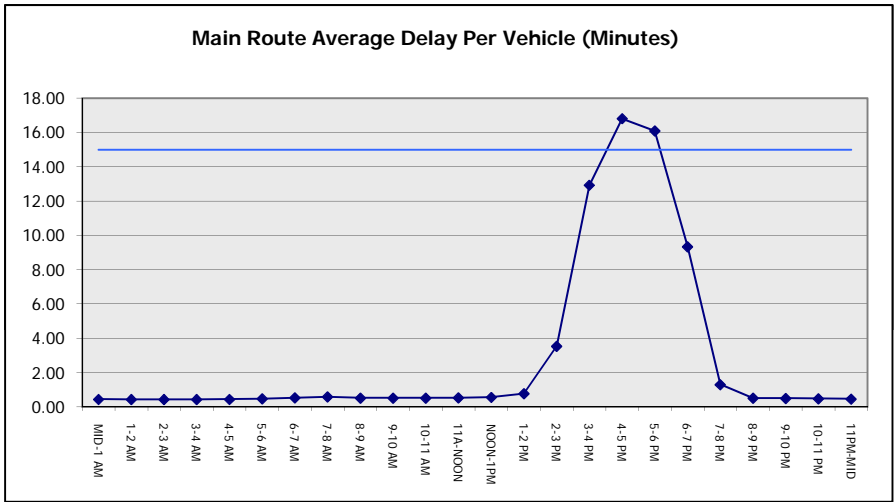
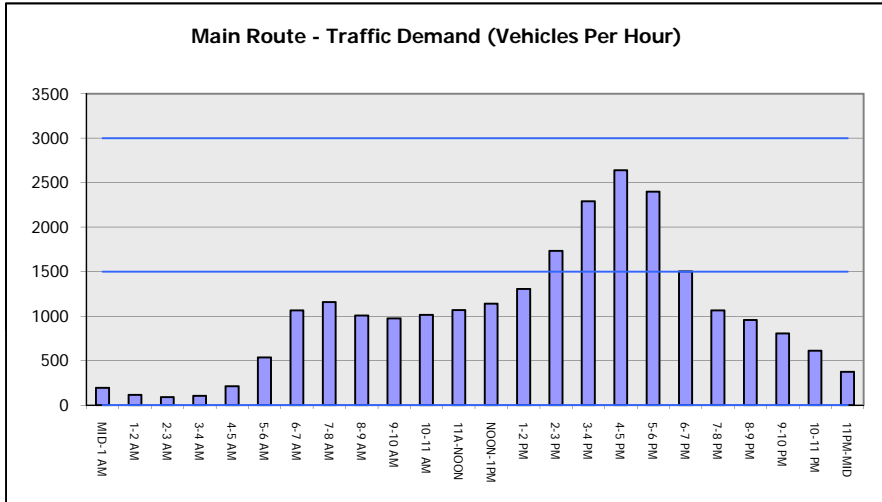
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$31,794
CONGESTED HOURS PER DAY*	2

*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
MON-THUR 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

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	184	0.0	22	0.0	1500	184	0	22	0.44	0	66.0	57.8	44.8	24.7	24.7
1-2 AM	100	0.0	13	0.0	1500	100	0	13	0.43	0	66.2	58.1	45.1	24.7	24.7
2-3 AM	106	0.0	13	0.0	1500	106	0	13	0.43	0	66.2	58.0	45.1	24.7	24.7
3-4 AM	191	0.0	23	0.0	1500	191	0	23	0.44	0	66.0	57.8	44.7	24.7	24.7
4-5 AM	590	0.0	71	0.0	1500	590	0	71	0.48	0	65.3	56.6	43.2	24.3	24.3
5-6 AM	1632	0.0	197	0.0	1499	1632	0	197	2.11	45	63.3	38.3	31.9	23.3	23.3
6-7 AM	2471	0.0	298	0.0	1499	1742	729	1027	13.65	351	61.2	12.1	30.8	22.5	17.0
7-8 AM	2514	0.0	304	0.0	1499	1467	1047	1351+	16.57	423	60.7	10.6	30.8	22.5	14.7
8-9 AM	1676	0.0	202	0.0	1499	1327	348	550	10.73	267	63.3	14.6	31.0	23.3	20.6
9-10 AM	1334	0.0	161	0.0	1499	1334	0	161	6.20	149	63.9	21.7	31.6	23.6	23.6
10-11 AM	1249	0.0	151	0.0	1500	1249	0	151	0.89	5	64.1	50.1	36.7	23.7	23.7
11A-NOON	1241	0.0	150	0.0	1500	1241	0	150	0.69	0	64.1	52.7	37.2	23.7	23.7
NOON-1PM	1199	0.0	144	0.0	1500	1199	0	144	0.64	0	64.1	53.5	38.5	23.7	23.7
1-2 PM	1206	0.0	145	0.0	1500	1206	0	145	0.64	0	64.1	53.3	38.3	23.7	23.7
2-3 PM	1260	0.0	152	0.0	1500	1260	0	152	0.71	0	64.0	52.3	36.6	23.7	23.7
3-4 PM	1442	0.0	174	0.0	1499	1442	0	174	0.95	0	63.7	49.1	32.0	23.5	23.5
4-5 PM	1529	0.0	184	0.0	1499	1529	0	184	1.56	14	63.5	42.8	30.8	23.4	23.4
5-6 PM	1428	0.0	173	0.0	1499	1428	0	173	1.43	14	63.7	44.1	32.2	23.5	23.5
6-7 PM	1056	0.0	128	0.0	1500	1056	0	128	0.52	0	64.4	55.3	41.5	23.8	23.8
7-8 PM	759	0.0	92	0.0	1500	759	0	92	0.50	0	65.0	56.1	42.5	24.2	24.2
8-9 PM	653	0.0	79	0.0	1500	653	0	79	0.49	0	65.1	56.4	42.9	24.2	24.2
9-10 PM	523	0.0	63	0.0	1500	523	0	63	0.47	0	65.4	56.8	43.4	24.3	24.3
10-11 PM	354	0.0	43	0.0	1500	354	0	43	0.46	0	65.7	57.3	44.1	24.5	24.5
11PM-MID	199	0.0	24	0.0	1500	199	0	24	0.44	0	66.0	57.8	44.7	24.7	24.7

+ 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	0.0135
MAIN ROUTE WITH WORKS	0.0108
DIVERSION	0.0289

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$26,478
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**

AUGUST
 Analyzed for 2009
 Construction Season

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

