

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

SATURDAY 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	466	0.0	57	0.0	1500	466	0	57	0.47	0	65.5	56.9	43.7	24.4	24.4
1-2 AM	212	0.0	25	0.0	1500	212	0	25	0.44	0	66.0	57.7	44.6	24.7	24.7
2-3 AM	153	0.0	19	0.0	1500	153	0	19	0.44	0	66.1	57.9	44.9	24.7	24.7
3-4 AM	108	0.0	13	0.0	1500	108	0	13	0.43	0	66.2	58.0	45.1	24.7	24.7
4-5 AM	124	0.0	15	0.0	1500	124	0	15	0.43	0	66.1	58.0	45.0	24.7	24.7
5-6 AM	262	0.0	31	0.0	1500	262	0	31	0.45	0	65.9	57.6	44.4	24.6	24.6
6-7 AM	490	0.0	59	0.0	1500	490	0	59	0.47	0	65.5	56.9	43.5	24.4	24.4
7-8 AM	699	0.0	85	0.0	1500	699	0	85	0.49	0	65.1	56.3	42.8	24.2	24.2
8-9 AM	903	0.0	109	0.0	1500	903	0	109	0.51	0	64.7	55.7	42.0	24.0	24.0
9-10 AM	1055	0.0	128	0.0	1500	1055	0	128	0.52	0	64.4	55.3	41.5	23.8	23.8
10-11 AM	1258	0.0	152	0.0	1500	1258	0	152	0.71	0	64.0	52.4	36.7	23.7	23.7
11A-NOON	1359	0.0	164	0.0	1499	1359	0	164	0.84	0	63.8	50.5	34.0	23.6	23.6
NOON-1PM	1547	0.0	186	0.0	1499	1547	0	186	1.52	14	63.5	43.1	30.8	23.4	23.4
1-2 PM	1651	0.0	199	0.0	1500	1651	0	199	5.24	120	63.3	24.1	30.8	23.3	23.3
2-3 PM	1613	0.0	195	0.0	1499	1533	80	275	9.37	225	63.4	16.2	30.8	23.3	22.7
3-4 PM	1674	0.0	202	0.0	1500	1508	166	368	9.84	238	63.3	15.6	30.8	23.3	22.0
4-5 PM	1592	0.0	193	0.0	1499	1485	107	300	9.55	230	63.4	16.0	30.8	23.3	22.5
5-6 PM	1433	0.0	173	0.0	1499	1428	5	178	8.36	199	63.7	17.6	30.8	23.5	23.5
6-7 PM	1163	0.0	140	0.0	1499	1163	0	140	1.64	40	64.2	42.4	37.8	23.8	23.8
7-8 PM	1013	0.0	122	0.0	1500	1013	0	122	0.52	0	64.5	55.4	41.6	23.9	23.9
8-9 PM	960	0.0	116	0.0	1500	960	0	116	0.52	0	64.6	55.5	41.8	24.0	24.0
9-10 PM	1013	0.0	122	0.0	1500	1013	0	122	0.52	0	64.5	55.4	41.6	23.9	23.9
10-11 PM	835	0.0	100	0.0	1500	835	0	100	0.50	0	64.8	55.9	42.3	24.1	24.1
11PM-MID	574	0.0	69	0.0	1500	574	0	69	0.48	0	65.3	56.6	43.2	24.3	24.3

----- 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	0.0120
MAIN ROUTE WITH WORKS	0.0104
DIVERSION	0.0171

PIA: Personal Injury Accidents

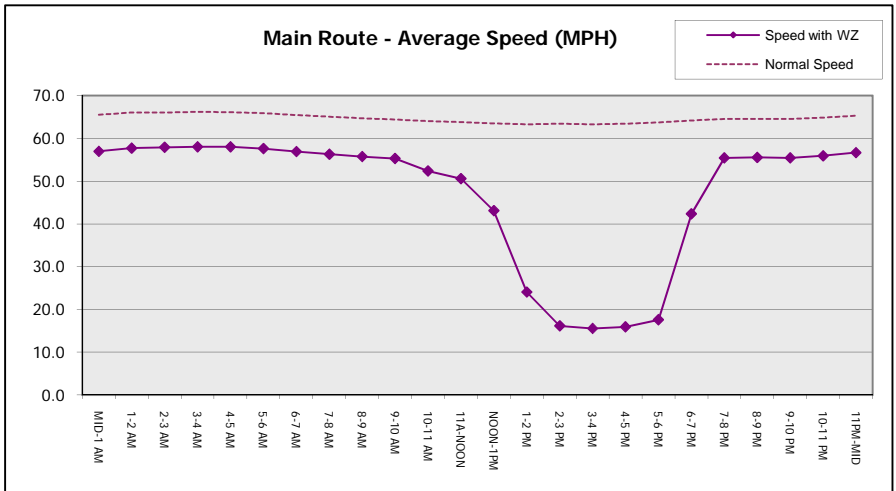
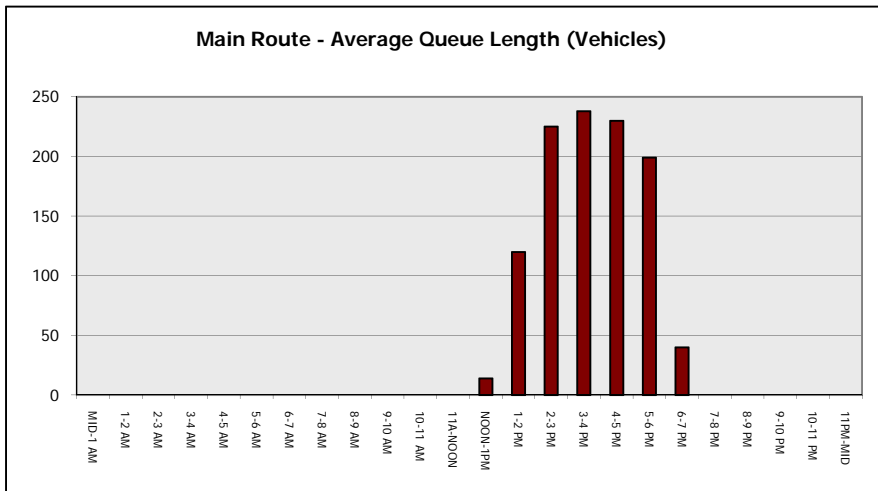
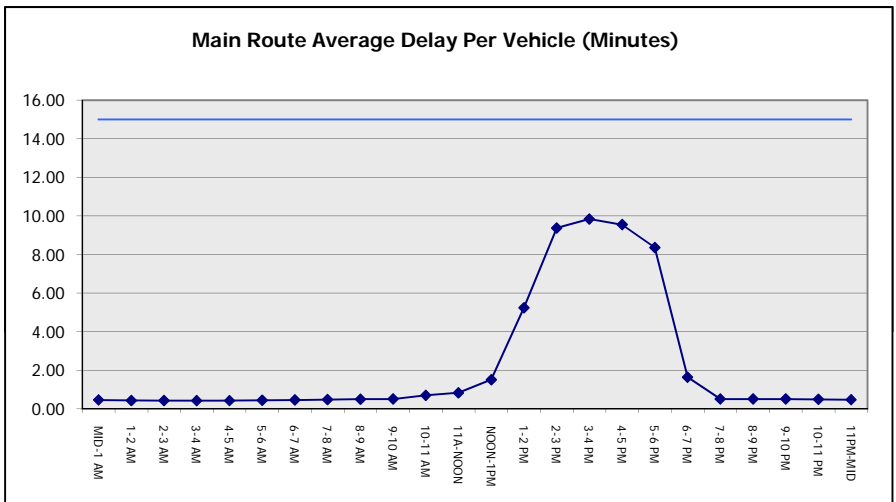
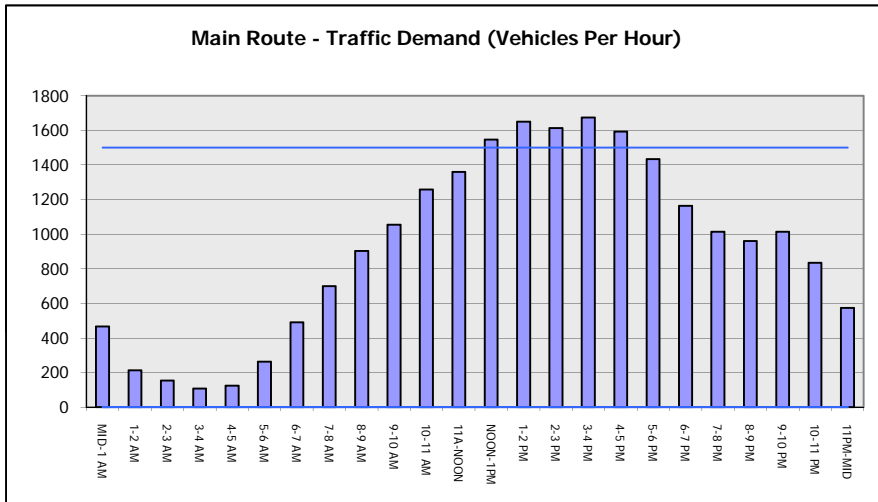
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$21,908
CONGESTED HOURS PER DAY*	0

*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**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY 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

SATURDAY 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	423	0.0	51	0.0	1500	423	0	51	0.46	0	65.6	57.1	43.8	24.5	24.5
1-2 AM	308	0.0	38	0.0	1500	308	0	38	0.45	0	65.8	57.4	44.3	24.5	24.5
2-3 AM	251	0.0	30	0.0	1500	251	0	30	0.45	0	65.9	57.6	44.5	24.6	24.6
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	210	0.0	25	0.0	1500	210	0	25	0.44	0	66.0	57.7	44.6	24.7	24.7
5-6 AM	399	0.0	48	0.0	1500	399	0	48	0.46	0	65.6	57.1	43.9	24.5	24.5
6-7 AM	610	0.0	73	0.0	1500	610	0	73	0.48	0	65.3	56.5	43.1	24.3	24.3
7-8 AM	758	0.0	91	0.0	1500	758	0	91	0.50	0	65.0	56.1	42.5	24.2	24.2
8-9 AM	1047	0.0	127	0.0	1500	1047	0	127	0.52	0	64.5	55.3	41.5	23.8	23.8
9-10 AM	1274	0.0	154	0.0	1500	1274	0	154	0.73	0	64.0	52.0	36.2	23.7	23.7
10-11 AM	1446	0.0	175	0.0	1499	1446	0	175	0.95	0	63.7	49.1	31.9	23.5	23.5
11A-NOON	1612	0.0	195	0.0	1499	1612	0	195	2.76	51	63.4	34.1	30.8	23.3	23.3
NOON-1PM	1581	0.0	191	0.0	1499	1581	0	191	6.63	153	63.5	20.7	30.8	23.3	23.3
1-2 PM	1596	0.0	193	0.0	1500	1536	60	253	9.25	222	63.4	16.3	30.8	23.3	22.9
2-3 PM	1598	0.0	193	0.0	1500	1498	99	292	9.51	229	63.4	16.0	30.8	23.3	22.6
3-4 PM	1497	0.0	181	0.0	1500	1479	17	198	9.06	216	63.6	16.6	30.8	23.5	23.3
4-5 PM	1435	0.0	173	0.0	1499	1435	0	173	7.66	179	63.7	18.8	30.8	23.5	23.5
5-6 PM	1308	0.0	158	0.0	1499	1308	0	158	2.57	60	64.0	35.4	33.3	23.6	23.6
6-7 PM	1151	0.0	139	0.0	1500	1151	0	139	0.57	0	64.2	54.4	40.1	23.8	23.8
7-8 PM	958	0.0	116	0.0	1500	958	0	116	0.52	0	64.6	55.5	41.9	24.0	24.0
8-9 PM	843	0.0	102	0.0	1500	843	0	102	0.50	0	64.8	55.9	42.2	24.0	24.0
9-10 PM	721	0.0	87	0.0	1500	721	0	87	0.49	0	65.0	56.2	42.7	24.2	24.2
10-11 PM	558	0.0	67	0.0	1500	558	0	67	0.48	0	65.3	56.7	43.3	24.3	24.3
11PM-MID	440	0.0	53	0.0	1500	440	0	53	0.47	0	65.6	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	0.0120
MAIN ROUTE WITH WORKS	0.0105
DIVERSION	0.0161

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$22,296
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
SATURDAY NORTHBOUND DIRECTION

