

IH 43: STH 164 TO CTH Y (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH Y - NATIONAL AVE - STH 164	OCTOBER
	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		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	334	0.0	40	0.0	1500	334	0	40	0.45	0	65.8	57.3	44.2	24.5	24.5
1-2 AM	191	0.0	23	0.0	1500	191	0	23	0.44	0	66.0	57.8	44.7	24.7	24.7
2-3 AM	144	0.0	18	0.0	1500	144	0	18	0.44	0	66.1	57.9	44.9	24.7	24.7
3-4 AM	105	0.0	13	0.0	1500	105	0	13	0.43	0	66.2	58.1	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	232	0.0	28	0.0	1500	232	0	28	0.44	0	66.0	57.6	44.5	24.7	24.7
6-7 AM	407	0.0	49	0.0	1500	407	0	49	0.46	0	65.6	57.1	43.8	24.5	24.5
7-8 AM	616	0.0	74	0.0	1500	616	0	74	0.48	0	65.3	56.5	43.1	24.3	24.3
8-9 AM	833	0.0	100	0.0	1500	833	0	100	0.50	0	64.8	55.9	42.3	24.1	24.1
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	1294	0.0	156	0.0	1500	1294	0	156	0.76	0	64.0	51.7	35.6	23.7	23.7
11A-NOON	1412	0.0	171	0.0	1499	1412	0	171	0.91	0	63.8	49.6	32.7	23.5	23.5
NOON-1PM	1578	0.0	190	0.0	1499	1578	0	190	2.31	37	63.5	36.9	30.8	23.3	23.3
1-2 PM	1464	0.0	177	0.0	1499	1464	0	177	3.20	59	63.7	31.9	30.8	23.5	23.5
2-3 PM	1607	0.0	194	0.0	1500	1607	0	194	4.30	92	63.4	27.1	30.8	23.3	23.3
3-4 PM	1561	0.0	188	0.0	1499	1561	0	188	7.76	182	63.5	18.6	30.8	23.4	23.4
4-5 PM	1488	0.0	180	0.0	1499	1488	0	180	8.87	211	63.6	16.9	30.8	23.5	23.5
5-6 PM	1299	0.0	157	0.0	1499	1299	0	157	4.39	108	64.0	26.9	32.4	23.7	23.7
6-7 PM	1114	0.0	134	0.0	1500	1114	0	134	0.53	0	64.3	55.1	41.3	23.8	23.8
7-8 PM	971	0.0	117	0.0	1500	971	0	117	0.52	0	64.6	55.5	41.8	24.0	24.0
8-9 PM	828	0.0	99	0.0	1500	828	0	99	0.50	0	64.8	55.9	42.3	24.1	24.1
9-10 PM	788	0.0	95	0.0	1500	788	0	95	0.50	0	64.9	56.0	42.4	24.1	24.1
10-11 PM	708	0.0	86	0.0	1500	708	0	86	0.49	0	65.1	56.3	42.7	24.2	24.2
11PM-MID	515	0.0	62	0.0	1500	515	0	62	0.47	0	65.5	56.8	43.5	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	0.0112
MAIN ROUTE WITH WORKS	0.0098
DIVERSION	0.0140

PIA: Personal Injury Accidents

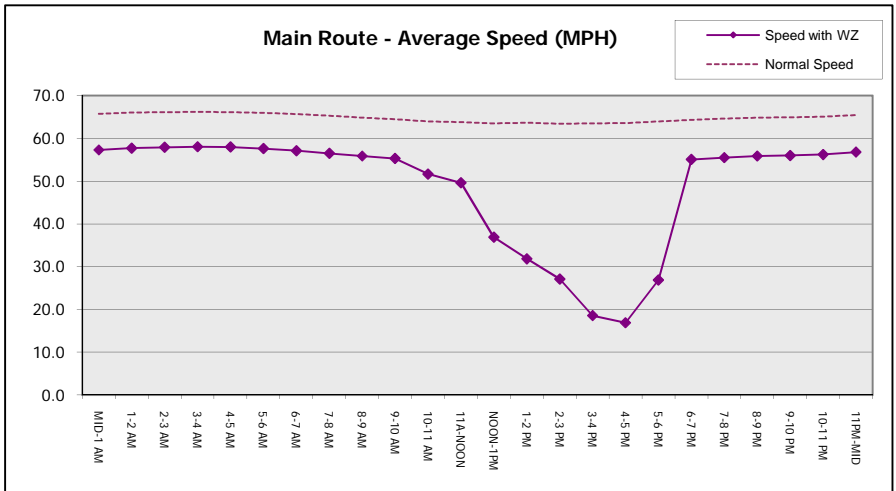
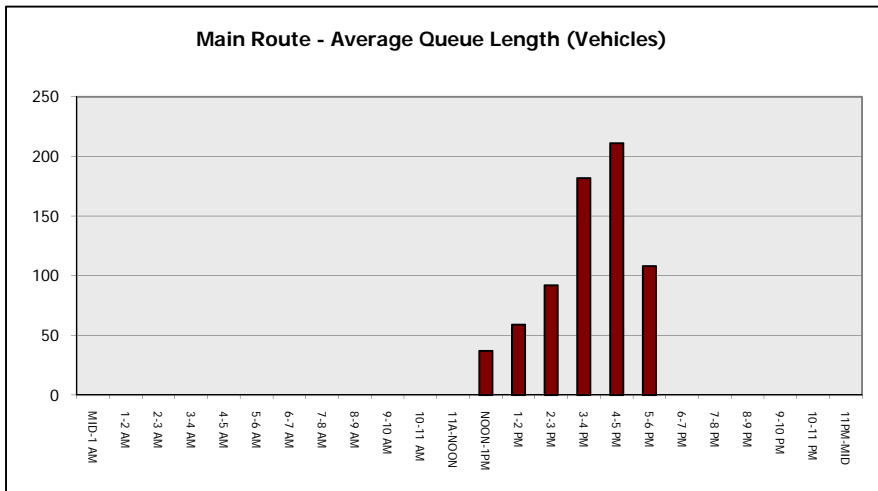
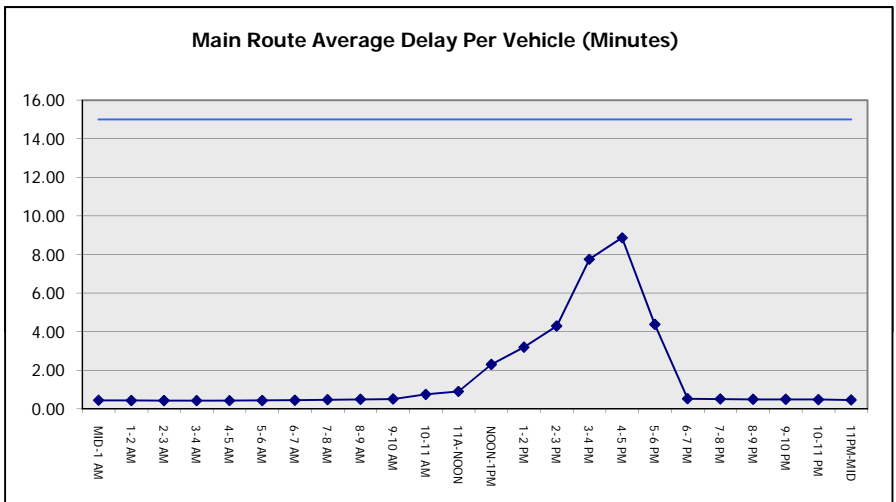
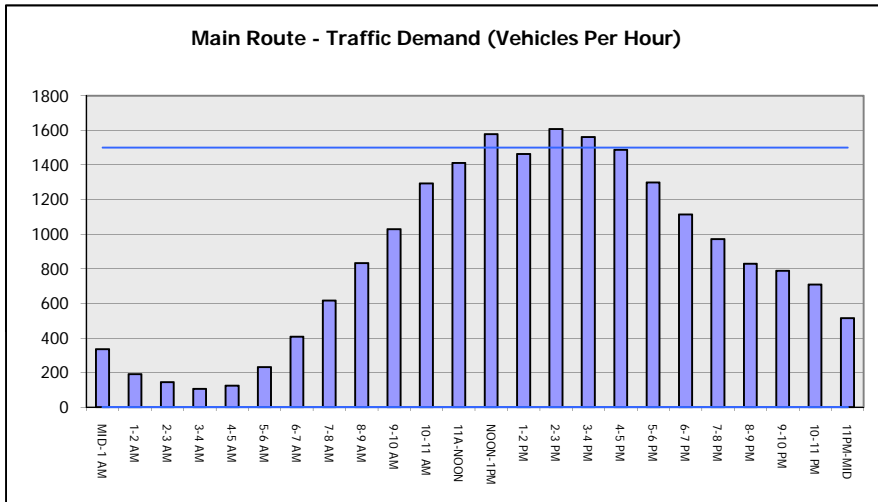
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$14,526
CONGESTED HOURS PER DAY*	0

*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**

OCTOBER
 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	OCTOBER
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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	210	0.0	25	0.0	1500	210	0	25	0.44	0	66.0	57.7	44.6	24.7	24.7
1-2 AM	135	0.0	17	0.0	1500	135	0	17	0.44	0	66.1	57.9	45.0	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	124	0.0	15	0.0	1500	124	0	15	0.43	0	66.1	58.0	45.0	24.7	24.7
4-5 AM	179	0.0	22	0.0	1500	179	0	22	0.44	0	66.1	57.8	44.8	24.7	24.7
5-6 AM	402	0.0	48	0.0	1500	402	0	48	0.46	0	65.6	57.1	43.9	24.5	24.5
6-7 AM	570	0.0	69	0.0	1500	570	0	69	0.48	0	65.3	56.6	43.2	24.3	24.3
7-8 AM	791	0.0	95	0.0	1500	791	0	95	0.50	0	64.9	56.0	42.4	24.1	24.1
8-9 AM	1053	0.0	127	0.0	1500	1053	0	127	0.52	0	64.4	55.3	41.5	23.8	23.8
9-10 AM	1156	0.0	139	0.0	1500	1156	0	139	0.58	0	64.2	54.3	39.9	23.8	23.8
10-11 AM	1301	0.0	157	0.0	1500	1301	0	157	0.77	0	64.0	51.5	35.5	23.7	23.7
11A-NOON	1377	0.0	166	0.0	1500	1377	0	166	0.87	0	63.8	50.2	33.5	23.5	23.5
NOON-1PM	1411	0.0	171	0.0	1500	1411	0	171	0.91	0	63.8	49.6	32.7	23.5	23.5
1-2 PM	1339	0.0	161	0.0	1500	1339	0	161	0.82	0	63.9	50.9	34.5	23.6	23.6
2-3 PM	1367	0.0	165	0.0	1500	1367	0	165	0.85	0	63.8	50.4	33.8	23.6	23.6
3-4 PM	1329	0.0	160	0.0	1500	1329	0	160	0.80	0	63.9	51.0	34.7	23.6	23.6
4-5 PM	1465	0.0	177	0.0	1500	1465	0	177	0.98	0	63.7	48.7	31.5	23.5	23.5
5-6 PM	1445	0.0	175	0.0	1500	1445	0	175	0.95	0	63.7	49.1	31.9	23.5	23.5
6-7 PM	1339	0.0	161	0.0	1500	1339	0	161	0.82	0	63.9	50.9	34.5	23.6	23.6
7-8 PM	1004	0.0	121	0.0	1500	1004	0	121	0.52	0	64.5	55.4	41.7	23.9	23.9
8-9 PM	777	0.0	94	0.0	1500	777	0	94	0.50	0	65.0	56.1	42.5	24.1	24.1
9-10 PM	658	0.0	80	0.0	1500	658	0	80	0.49	0	65.1	56.4	42.9	24.2	24.2
10-11 PM	518	0.0	63	0.0	1500	518	0	63	0.47	0	65.4	56.8	43.4	24.3	24.3
11PM-MID	458	0.0	55	0.0	1500	458	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	0.0111
MAIN ROUTE WITH WORKS	0.0097
DIVERSION	0.0140

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$4,063
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

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SATURDAY NORTHBOUND DIRECTION

