

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

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	311	0.0	38	0.0	1500	311	0	38	0.45	0	65.8	57.4	44.2	24.5	24.5
1-2 AM	188	0.0	23	0.0	1500	188	0	23	0.44	0	66.0	57.8	44.7	24.7	24.7
2-3 AM	142	0.0	17	0.0	1500	142	0	17	0.44	0	66.1	57.9	44.9	24.7	24.7
3-4 AM	98	0.0	12	0.0	1500	98	0	12	0.43	0	66.2	58.1	45.1	24.8	24.8
4-5 AM	128	0.0	16	0.0	1500	128	0	16	0.43	0	66.1	57.9	45.0	24.7	24.7
5-6 AM	246	0.0	29	0.0	1500	246	0	29	0.45	0	66.0	57.6	44.5	24.6	24.6
6-7 AM	500	0.0	61	0.0	1500	500	0	61	0.47	0	65.5	56.9	43.5	24.4	24.4
7-8 AM	775	0.0	93	0.0	1500	775	0	93	0.50	0	65.0	56.1	42.5	24.1	24.1
8-9 AM	999	0.0	120	0.0	1500	999	0	120	0.52	0	64.5	55.4	41.7	23.9	23.9
9-10 AM	1085	0.0	131	0.0	1500	1085	0	131	0.53	0	64.3	55.2	41.4	23.8	23.8
10-11 AM	1233	0.0	149	0.0	1500	1233	0	149	0.68	0	64.1	52.8	37.4	23.7	23.7
11A-NOON	1313	0.0	158	0.0	1500	1313	0	158	0.78	0	64.0	51.4	35.1	23.6	23.6
NOON-1PM	1398	0.0	169	0.0	1500	1398	0	169	0.89	0	63.8	49.9	33.0	23.5	23.5
1-2 PM	1423	0.0	172	0.0	1500	1423	0	172	0.92	0	63.7	49.4	32.5	23.5	23.5
2-3 PM	1451	0.0	175	0.0	1500	1451	0	175	0.96	0	63.7	49.0	31.8	23.5	23.5
3-4 PM	1452	0.0	176	0.0	1500	1452	0	176	0.96	0	63.7	48.9	31.8	23.5	23.5
4-5 PM	1400	0.0	169	0.0	1500	1400	0	169	0.89	0	63.8	49.8	33.0	23.5	23.5
5-6 PM	1217	0.0	147	0.0	1500	1217	0	147	0.66	0	64.1	53.1	37.9	23.7	23.7
6-7 PM	1006	0.0	121	0.0	1500	1006	0	121	0.52	0	64.5	55.4	41.7	23.9	23.9
7-8 PM	854	0.0	104	0.0	1500	854	0	104	0.51	0	64.8	55.8	42.2	24.0	24.0
8-9 PM	862	0.0	104	0.0	1500	862	0	104	0.51	0	64.8	55.8	42.2	24.0	24.0
9-10 PM	899	0.0	109	0.0	1500	899	0	109	0.51	0	64.7	55.7	42.0	24.0	24.0
10-11 PM	634	0.0	76	0.0	1500	634	0	76	0.48	0	65.2	56.4	43.0	24.3	24.3
11PM-MID	466	0.0	57	0.0	1500	466	0	57	0.47	0	65.5	56.9	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	0.0109
MAIN ROUTE WITH WORKS	0.0095
DIVERSION	0.0136

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,605
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

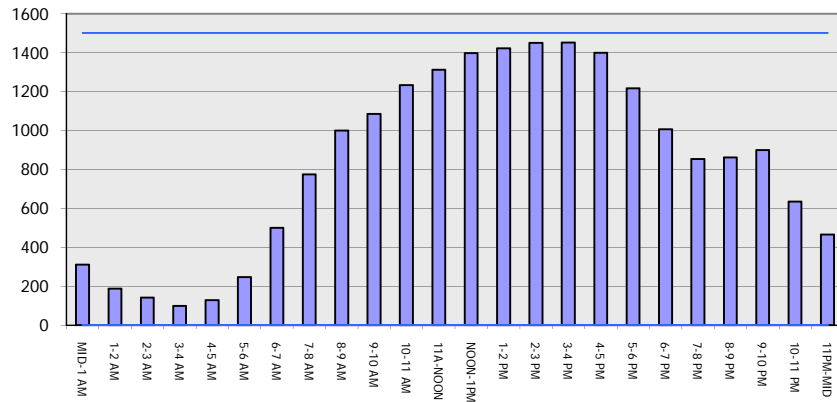
**IH 43: STH 164 TO CTH Y (WAUKESHA COUNTY)
 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: CTH Y - NATIONAL AVE - STH 164**

MAY
 Analyzed for 2009
 Construction Season

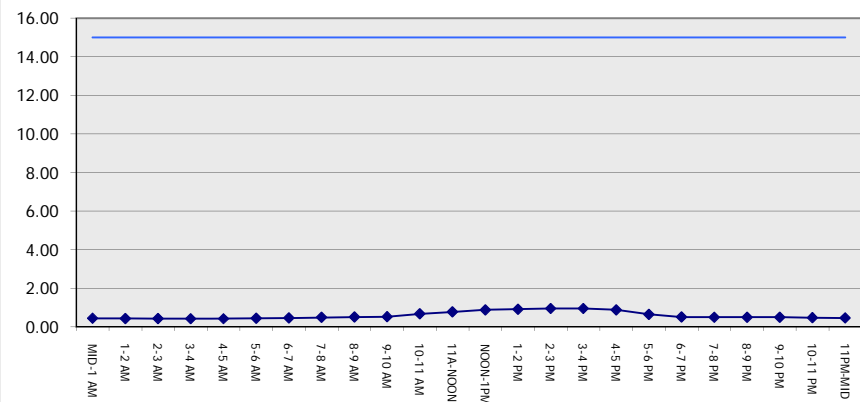
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY SOUTHBOUND DIRECTION

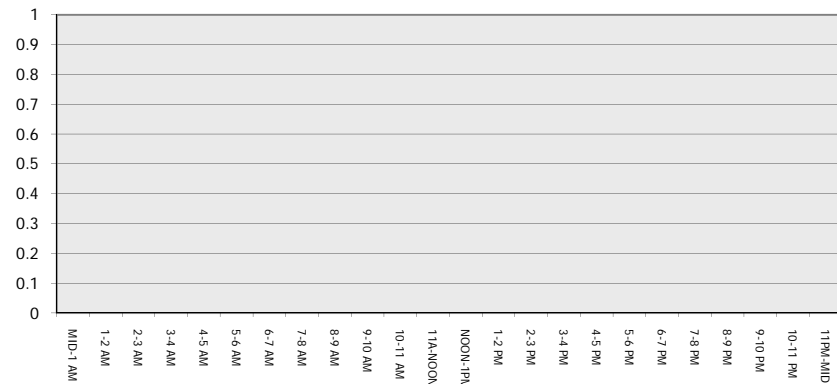
Main Route - Traffic Demand (Vehicles Per Hour)



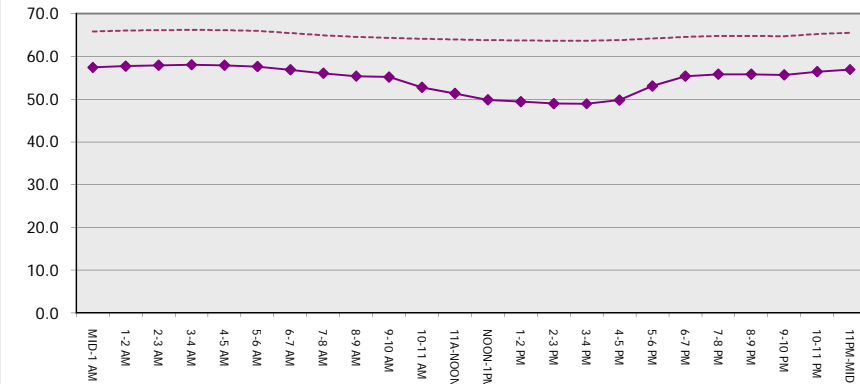
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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

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	186	0.0	22	0.0	1500	186	0	22	0.44	0	66.0	57.8	44.7	24.7	24.7
1-2 AM	125	0.0	15	0.0	1500	125	0	15	0.43	0	66.1	58.0	45.0	24.7	24.7
2-3 AM	114	0.0	14	0.0	1500	114	0	14	0.43	0	66.2	58.0	45.0	24.7	24.7
3-4 AM	122	0.0	15	0.0	1500	122	0	15	0.43	0	66.1	58.0	45.0	24.7	24.7
4-5 AM	205	0.0	25	0.0	1500	205	0	25	0.44	0	66.0	57.8	44.6	24.7	24.7
5-6 AM	434	0.0	52	0.0	1500	434	0	52	0.46	0	65.6	57.1	43.8	24.5	24.5
6-7 AM	566	0.0	68	0.0	1500	566	0	68	0.48	0	65.3	56.6	43.3	24.3	24.3
7-8 AM	815	0.0	98	0.0	1500	815	0	98	0.50	0	64.9	56.0	42.4	24.1	24.1
8-9 AM	1057	0.0	128	0.0	1500	1057	0	128	0.52	0	64.4	55.3	41.5	23.8	23.8
9-10 AM	1192	0.0	144	0.0	1500	1192	0	144	0.63	0	64.1	53.6	38.7	23.7	23.7
10-11 AM	1320	0.0	159	0.0	1500	1320	0	159	0.79	0	63.9	51.2	35.0	23.6	23.6
11A-NOON	1425	0.0	172	0.0	1500	1425	0	172	0.93	0	63.7	49.4	32.4	23.5	23.5
NOON-1PM	1420	0.0	172	0.0	1500	1420	0	172	0.92	0	63.7	49.5	32.5	23.5	23.5
1-2 PM	1391	0.0	167	0.0	1500	1391	0	167	0.88	0	63.8	50.0	33.2	23.5	23.5
2-3 PM	1418	0.0	172	0.0	1500	1418	0	172	0.92	0	63.7	49.5	32.5	23.5	23.5
3-4 PM	1442	0.0	174	0.0	1500	1442	0	174	0.95	0	63.7	49.1	32.0	23.5	23.5
4-5 PM	1462	0.0	177	0.0	1500	1462	0	177	0.97	0	63.7	48.8	31.6	23.5	23.5
5-6 PM	1307	0.0	158	0.0	1500	1307	0	158	0.78	0	64.0	51.4	35.3	23.6	23.6
6-7 PM	1132	0.0	137	0.0	1500	1132	0	137	0.55	0	64.3	54.8	40.7	23.8	23.8
7-8 PM	883	0.0	107	0.0	1500	883	0	107	0.51	0	64.8	55.8	42.1	24.0	24.0
8-9 PM	728	0.0	88	0.0	1500	728	0	88	0.49	0	65.0	56.2	42.7	24.2	24.2
9-10 PM	655	0.0	78	0.0	1500	655	0	78	0.49	0	65.1	56.4	42.9	24.2	24.2
10-11 PM	442	0.0	53	0.0	1500	442	0	53	0.47	0	65.6	57.0	43.7	24.4	24.4
11PM-MID	327	0.0	40	0.0	1500	327	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	0.0109
MAIN ROUTE WITH WORKS	0.0096
DIVERSION	0.0137

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,809
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
SATURDAY NORTHBOUND DIRECTION

