

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

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	151	0.0	18	0.0	1500	151	0	18	0.44	0	66.1	57.9	44.9	24.7	24.7
1-2 AM	104	0.0	13	0.0	1500	104	0	13	0.43	0	66.2	58.1	45.1	24.7	24.7
2-3 AM	85	0.0	10	0.0	1500	85	0	10	0.43	0	66.2	58.1	45.1	24.8	24.8
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	197	0.0	24	0.0	1500	197	0	24	0.44	0	66.0	57.8	44.7	24.7	24.7
5-6 AM	509	0.0	62	0.0	1500	509	0	62	0.47	0	65.5	56.8	43.5	24.3	24.3
6-7 AM	1106	0.0	134	0.0	1500	1106	0	134	0.53	0	64.3	55.1	41.3	23.8	23.8
7-8 AM	1170	0.0	141	0.0	1500	1170	0	141	0.60	0	64.2	54.0	39.4	23.8	23.8
8-9 AM	962	0.0	116	0.0	1500	962	0	116	0.52	0	64.6	55.5	41.8	24.0	24.0
9-10 AM	900	0.0	109	0.0	1500	900	0	109	0.51	0	64.7	55.7	42.0	24.0	24.0
10-11 AM	936	0.0	113	0.0	1500	936	0	113	0.51	0	64.6	55.6	41.9	24.0	24.0
11A-NOON	974	0.0	117	0.0	1500	974	0	117	0.52	0	64.6	55.5	41.8	24.0	24.0
NOON-1PM	1073	0.0	130	0.0	1500	1073	0	130	0.53	0	64.4	55.2	41.4	23.8	23.8
1-2 PM	1197	0.0	144	0.0	1499	1197	0	144	0.63	0	64.1	53.5	38.7	23.7	23.7
2-3 PM	1639	0.0	198	0.0	1499	1639	0	198	2.06	36	63.3	38.6	30.8	23.3	23.3
3-4 PM	2262	0.0	273	0.0	1500	1732	530	803	11.78	302	62.2	13.5	30.8	22.7	18.7
4-5 PM	2571	0.0	311	0.0	1500	1565	1007	1317+	16.19	414	60.2	10.7	30.8	22.5	14.9
5-6 PM	2389	0.0	289	0.0	1499	1415	975	1263+	15.74	400	61.9	10.9	30.8	22.6	15.3
6-7 PM	1506	0.0	182	0.0	1500	1297	209	391	9.33	231	63.6	16.3	31.1	23.5	21.9
7-8 PM	1011	0.0	121	0.0	1500	1011	0	121	1.17	26	64.5	47.1	40.5	23.9	23.9
8-9 PM	864	0.0	105	0.0	1500	864	0	105	0.51	0	64.8	55.8	42.2	24.0	24.0
9-10 PM	662	0.0	80	0.0	1500	662	0	80	0.49	0	65.1	56.4	42.9	24.2	24.2
10-11 PM	453	0.0	54	0.0	1500	453	0	54	0.47	0	65.5	57.0	43.7	24.4	24.4
11PM-MID	293	0.0	36	0.0	1500	293	0	36	0.45	0	65.8	57.4	44.3	24.6	24.6

+ 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	0.0125
MAIN ROUTE WITH WORKS	0.0097
DIVERSION	0.0311

PIA: Personal Injury Accidents

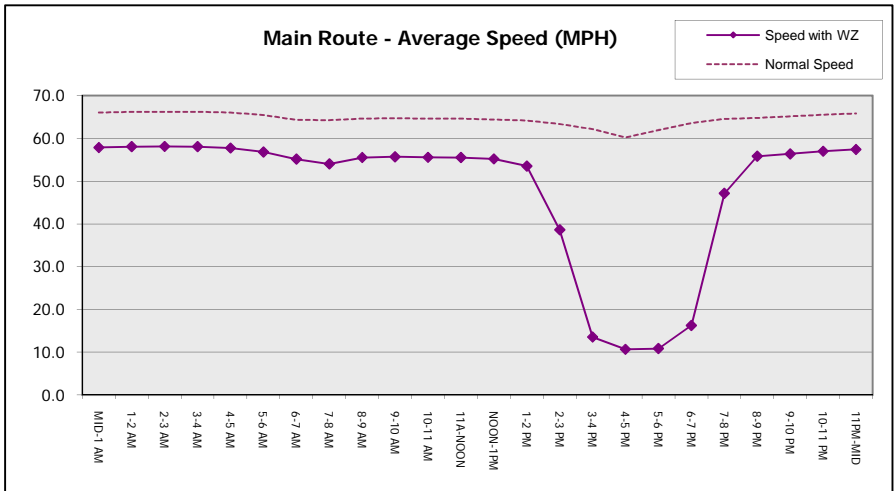
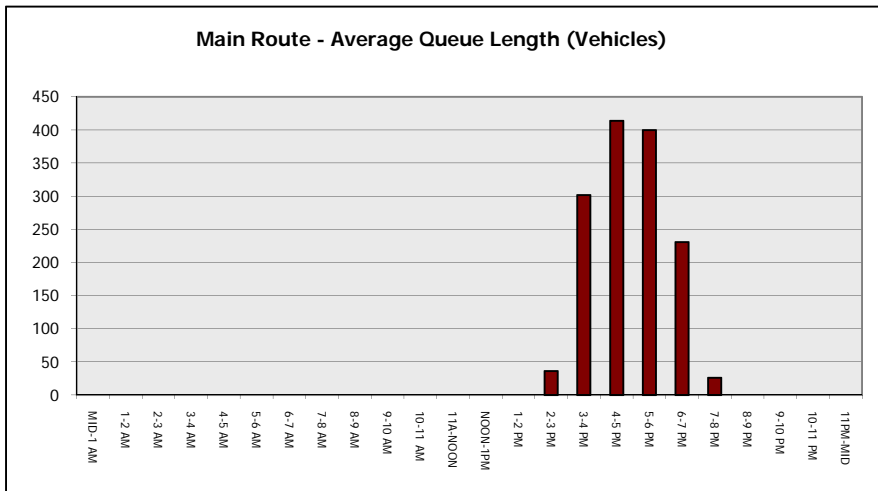
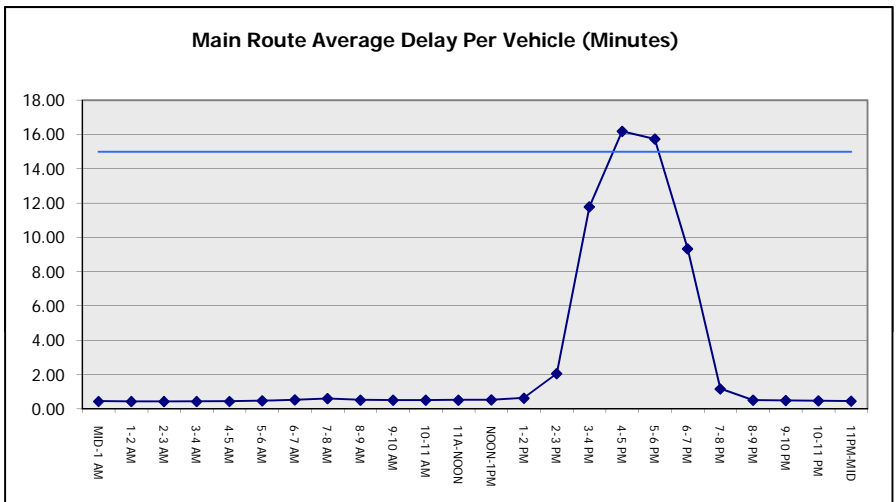
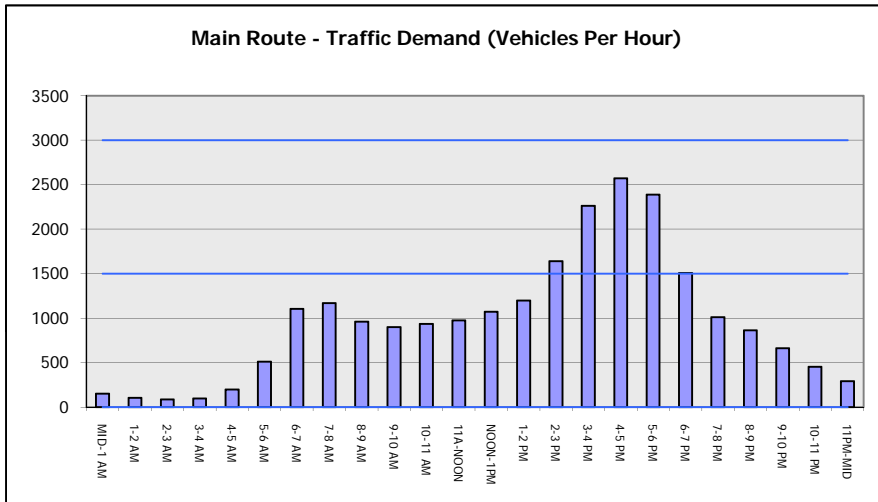
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$29,350
CONGESTED HOURS PER DAY*	2

*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**

OCTOBER
 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	OCTOBER
	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	109	0.0	14	0.0	1500	109	0	14	0.43	0	66.2	58.0	45.0	24.7	24.7	
1-2 AM	74	0.0	9	0.0	1500	74	0	9	0.43	0	66.3	58.1	45.2	24.8	24.8	
2-3 AM	96	0.0	12	0.0	1500	96	0	12	0.43	0	66.2	58.1	45.1	24.8	24.8	
3-4 AM	180	0.0	22	0.0	1500	180	0	22	0.44	0	66.1	57.8	44.8	24.7	24.7	
4-5 AM	494	0.0	60	0.0	1500	494	0	60	0.47	0	65.5	56.9	43.5	24.4	24.4	
5-6 AM	1642	0.0	198	0.0	1499	1642	0	198	2.16	50	63.3	37.9	32.1	23.3	23.3	
6-7 AM	2572	0.0	311	0.0	1499	1756	816	1127	14.43	374	60.2	11.6	30.8	22.5	16.3	
7-8 AM	2537	0.0	307	0.0	1499	1440	1098	1404+	17.17	440	60.5	10.4	30.8	22.5	14.4	
8-9 AM	1670	0.0	202	0.0	1499	1319	351	553	10.74	268	63.3	14.6	31.0	23.3	20.6	
9-10 AM	1184	0.0	143	0.0	1499	1184	0	143	2.88	89	64.1	33.7	36.0	23.7	23.7	
10-11 AM	1070	0.0	129	0.0	1500	1070	0	129	0.53	0	64.4	55.2	41.4	23.8	23.8	
11A-NOON	1032	0.0	125	0.0	1500	1032	0	125	0.52	0	64.5	55.3	41.5	23.9	23.9	
NOON-1PM	1019	0.0	123	0.0	1500	1019	0	123	0.52	0	64.5	55.3	41.6	23.9	23.9	
1-2 PM	1044	0.0	126	0.0	1500	1044	0	126	0.52	0	64.5	55.3	41.5	23.8	23.8	
2-3 PM	1117	0.0	135	0.0	1500	1117	0	135	0.53	0	64.3	55.1	41.3	23.8	23.8	
3-4 PM	1371	0.0	165	0.0	1500	1371	0	165	0.86	0	63.8	50.3	33.7	23.6	23.6	
4-5 PM	1433	0.0	173	0.0	1500	1433	0	173	0.94	0	63.7	49.2	32.2	23.5	23.5	
5-6 PM	1339	0.0	162	0.0	1500	1339	0	162	0.82	0	63.9	50.9	34.5	23.6	23.6	
6-7 PM	950	0.0	114	0.0	1500	950	0	114	0.51	0	64.6	55.6	41.9	24.0	24.0	
7-8 PM	629	0.0	75	0.0	1500	629	0	75	0.48	0	65.2	56.4	43.0	24.3	24.3	
8-9 PM	514	0.0	62	0.0	1500	514	0	62	0.47	0	65.5	56.8	43.5	24.3	24.3	
9-10 PM	420	0.0	50	0.0	1500	420	0	50	0.46	0	65.6	57.1	43.8	24.5	24.5	
10-11 PM	308	0.0	38	0.0	1500	308	0	38	0.45	0	65.8	57.4	44.3	24.5	24.5	
11PM-MID	174	0.0	21	0.0	1500	174	0	21	0.44	0	66.1	57.8	44.8	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	0.0124
MAIN ROUTE WITH WORKS	0.0098
DIVERSION	0.0284

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$25,568
CONGESTED HOURS PER DAY*	1

*Delays Exceeding 15 Minutes

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 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
MON-THUR NORTHBOUND DIRECTION

