

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

FRIDAY 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	223	0.0	27	0.0	1500	223	0	27	0.44	0	66.0	57.7	44.6	24.7	24.7
1-2 AM	145	0.0	18	0.0	1500	145	0	18	0.44	0	66.1	57.9	44.9	24.7	24.7
2-3 AM	101	0.0	13	0.0	1500	101	0	13	0.43	0	66.2	58.1	45.1	24.7	24.7
3-4 AM	96	0.0	12	0.0	1500	96	0	12	0.43	0	66.2	58.1	45.1	24.8	24.8
4-5 AM	165	0.0	20	0.0	1500	165	0	20	0.44	0	66.1	57.9	44.8	24.7	24.7
5-6 AM	405	0.0	49	0.0	1500	405	0	49	0.46	0	65.6	57.1	43.9	24.5	24.5
6-7 AM	947	0.0	114	0.0	1500	947	0	114	0.51	0	64.6	55.6	41.9	24.0	24.0
7-8 AM	1188	0.0	143	0.0	1500	1188	0	143	0.62	0	64.1	53.7	38.8	23.7	23.7
8-9 AM	970	0.0	117	0.0	1500	970	0	117	0.52	0	64.6	55.5	41.8	24.0	24.0
9-10 AM	973	0.0	117	0.0	1500	973	0	117	0.52	0	64.6	55.5	41.8	24.0	24.0
10-11 AM	1011	0.0	122	0.0	1500	1011	0	122	0.52	0	64.5	55.4	41.7	23.9	23.9
11A-NOON	1144	0.0	138	0.0	1500	1144	0	138	0.56	0	64.3	54.6	40.4	23.8	23.8
NOON-1PM	1267	0.0	153	0.0	1500	1267	0	153	0.72	0	64.0	52.2	36.4	23.7	23.7
1-2 PM	1430	0.0	173	0.0	1499	1430	0	173	0.93	0	63.7	49.4	32.4	23.5	23.5
2-3 PM	1821	0.0	220	0.0	1499	1813	8	227	4.89	131	63.0	25.1	30.8	23.2	23.1
3-4 PM	2314	0.0	279	0.0	1499	1566	748	1027	13.68	344	62.1	12.0	30.8	22.7	17.0
4-5 PM	2637	0.0	318	0.0	1500	1583	1054	1372+	16.75	431	59.5	10.5	30.8	22.4	14.6
5-6 PM	2596	0.0	313	0.0	1499	1453	1143	1456+	17.77	457	59.9	10.2	30.8	22.4	14.1
6-7 PM	1693	0.0	204	0.0	1499	1301	392	596	10.97	275	63.2	14.3	31.1	23.3	20.2
7-8 PM	1121	0.0	135	0.0	1499	1121	0	135	2.44	78	64.3	36.3	37.2	23.8	23.8
8-9 PM	939	0.0	113	0.0	1500	939	0	113	0.51	0	64.6	55.6	41.9	24.0	24.0
9-10 PM	930	0.0	112	0.0	1500	930	0	112	0.51	0	64.6	55.6	41.9	24.0	24.0
10-11 PM	718	0.0	87	0.0	1500	718	0	87	0.49	0	65.0	56.2	42.7	24.2	24.2
11PM-MID	540	0.0	65	0.0	1500	540	0	65	0.47	0	65.4	56.8	43.3	24.3	24.3

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0137
MAIN ROUTE WITH WORKS	0.0105
DIVERSION	0.0361

PIA: Personal Injury Accidents

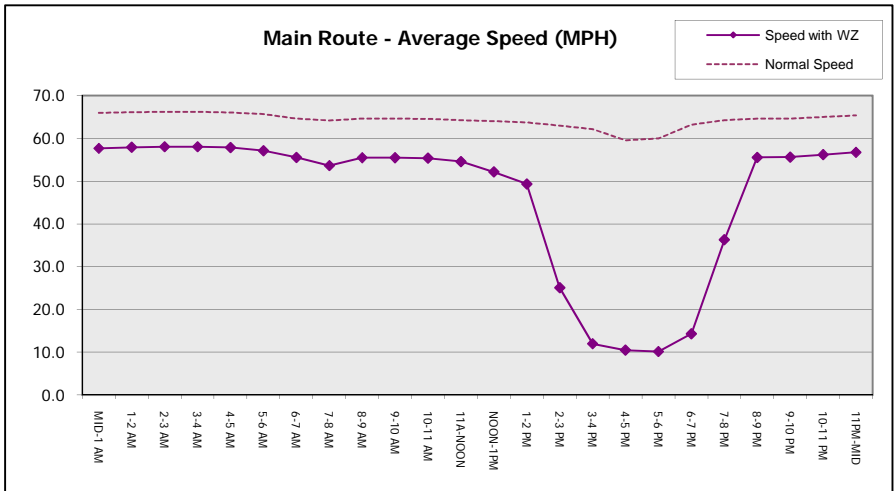
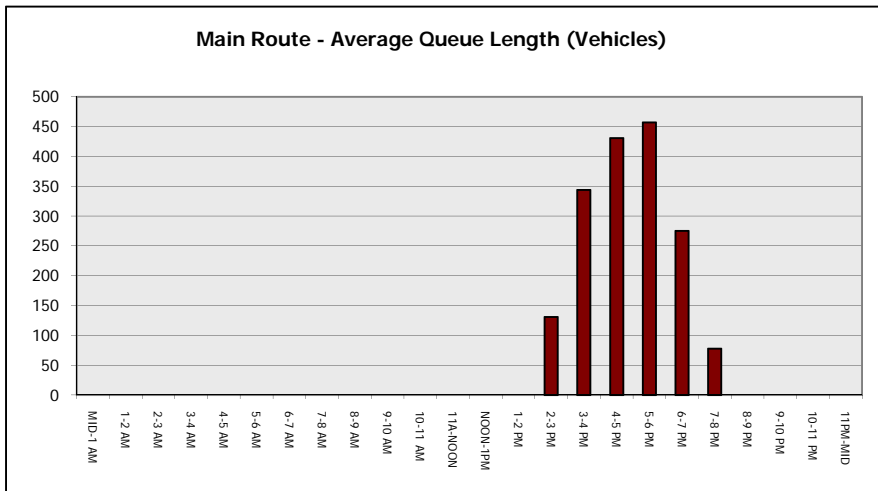
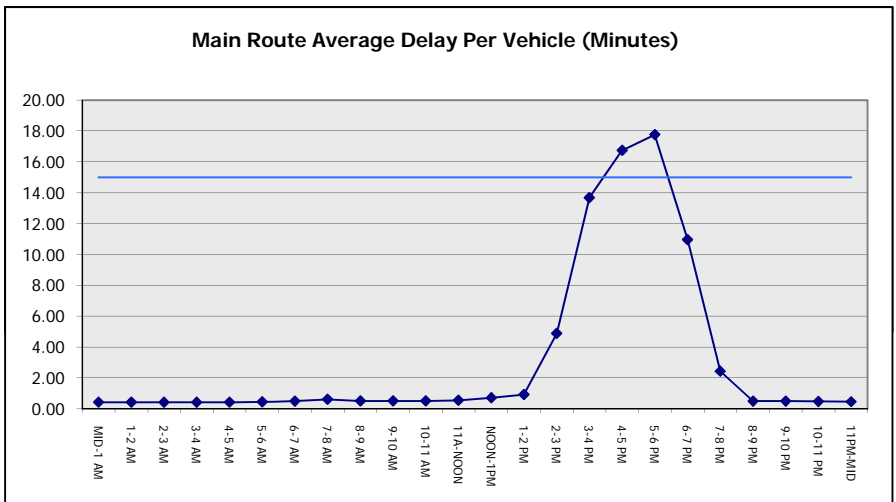
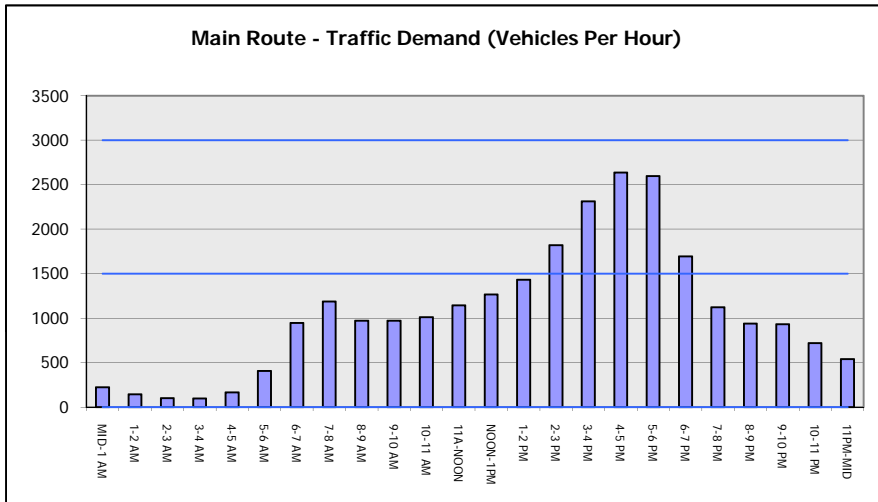
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$37,565
CONGESTED HOURS PER DAY*	2

*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
FRIDAY 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

FRIDAY 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	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	100	0.0	12	0.0	1500	100	0	12	0.43	0	66.2	58.1	45.1	24.8	24.8	
2-3 AM	93	0.0	12	0.0	1500	93	0	12	0.43	0	66.2	58.1	45.1	24.8	24.8	
3-4 AM	162	0.0	20	0.0	1500	162	0	20	0.44	0	66.1	57.9	44.8	24.7	24.7	
4-5 AM	373	0.0	45	0.0	1500	373	0	45	0.46	0	65.7	57.3	44.0	24.5	24.5	
5-6 AM	1238	0.0	150	0.0	1499	1238	0	150	0.74	0	64.1	52.0	36.5	23.7	23.7	
6-7 AM	2234	0.0	270	0.0	1499	1870	364	634	8.98	243	62.2	16.6	30.8	22.8	20.0	
7-8 AM	2465	0.0	297	0.0	1499	1513	952	1249+	15.54	395	61.2	10.9	30.8	22.5	15.3	
8-9 AM	1717	0.0	207	0.0	1499	1340	377	584	10.90	271	63.2	14.4	30.8	23.2	20.4	
9-10 AM	1255	0.0	152	0.0	1499	1255	0	152	4.30	116	64.0	27.3	33.3	23.7	23.7	
10-11 AM	1241	0.0	150	0.0	1500	1241	0	150	0.69	0	64.1	52.7	37.2	23.7	23.7	
11A-NOON	1176	0.0	142	0.0	1500	1176	0	142	0.61	0	64.2	53.9	39.2	23.7	23.7	
NOON-1PM	1235	0.0	149	0.0	1500	1235	0	149	0.68	0	64.1	52.8	37.4	23.7	23.7	
1-2 PM	1239	0.0	150	0.0	1500	1239	0	150	0.69	0	64.1	52.7	37.3	23.7	23.7	
2-3 PM	1367	0.0	165	0.0	1499	1367	0	165	0.85	0	63.8	50.4	33.8	23.6	23.6	
3-4 PM	1549	0.0	187	0.0	1499	1549	0	187	1.57	15	63.5	42.7	30.8	23.4	23.4	
4-5 PM	1647	0.0	199	0.0	1500	1647	0	199	5.10	116	63.3	24.5	30.8	23.3	23.3	
5-6 PM	1749	0.0	211	0.0	1499	1550	199	411	10.00	243	63.2	15.4	30.8	23.2	21.7	
6-7 PM	1440	0.0	174	0.0	1499	1393	47	220	8.51	204	63.7	17.4	30.8	23.5	23.2	
7-8 PM	912	0.0	110	0.0	1500	912	0	110	0.97	19	64.7	49.5	41.8	24.0	24.0	
8-9 PM	665	0.0	81	0.0	1500	665	0	81	0.49	0	65.1	56.4	42.9	24.2	24.2	
9-10 PM	575	0.0	69	0.0	1500	575	0	69	0.48	0	65.3	56.6	43.2	24.3	24.3	
10-11 PM	451	0.0	54	0.0	1500	451	0	54	0.47	0	65.5	57.0	43.7	24.4	24.4	
11PM-MID	329	0.0	40	0.0	1500	329	0	40	0.45	0	65.8	57.4	44.2	24.5	24.5	

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0137
MAIN ROUTE WITH WORKS	0.0111
DIVERSION	0.0282

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$30,696
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**

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

