

<b>IH 43: STH 20 TO STH 164 (WAUKESHA AND WALWORTH COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 83 - CTH L - STH 20</b>	<b>MAY</b>
	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	122	0.0	15	0.0	1500	122	0	15	0.43	0	66.1	60.7	45.0	29.7	29.7
1-2 AM	84	0.0	10	0.0	1500	84	0	10	0.43	0	66.2	60.8	45.1	29.7	29.7
2-3 AM	66	0.0	8	0.0	1500	66	0	8	0.43	0	66.3	60.8	45.2	29.7	29.7
3-4 AM	93	0.0	11	0.0	1500	93	0	11	0.43	0	66.2	60.7	45.1	29.7	29.7
4-5 AM	187	0.0	23	0.0	1500	187	0	23	0.44	0	66.0	60.5	44.7	29.6	29.6
5-6 AM	498	0.0	62	0.0	1500	498	0	62	0.47	0	65.5	59.7	43.5	29.2	29.2
6-7 AM	955	0.0	119	0.0	1500	955	0	119	0.51	0	64.6	58.5	41.9	28.7	28.7
7-8 AM	983	0.0	122	0.0	1500	983	0	122	0.52	0	64.6	58.4	41.7	28.6	28.6
8-9 AM	826	0.0	102	0.0	1500	826	0	102	0.50	0	64.8	58.8	42.3	28.8	28.8
9-10 AM	778	0.0	96	0.0	1500	778	0	96	0.50	0	65.0	58.9	42.5	28.9	28.9
10-11 AM	804	0.0	99	0.0	1500	804	0	99	0.50	0	64.9	58.9	42.4	28.9	28.9
11A-NOON	864	0.0	108	0.0	1500	864	0	108	0.51	0	64.8	58.7	42.2	28.8	28.8
NOON-1PM	943	0.0	117	0.0	1500	943	0	117	0.51	0	64.6	58.5	41.9	28.7	28.7
1-2 PM	1100	0.0	136	0.0	1499	1100	0	136	0.56	0	64.3	57.8	40.6	28.5	28.5
2-3 PM	1494	0.0	186	0.0	1499	1494	0	186	1.38	13	63.6	49.9	32.0	28.1	28.1
3-4 PM	1983	0.0	246	0.0	1500	1804	179	424	8.88	233	62.7	22.8	30.8	27.4	25.8
4-5 PM	2239	0.0	277	0.0	1499	1548	691	968	15.55	395	62.2	15.4	30.8	27.2	20.6
5-6 PM	1909	0.0	236	0.0	1499	1393	516	752	13.73	346	62.8	16.9	30.8	27.6	22.7
6-7 PM	1169	0.0	145	0.0	1499	1143	26	171	4.81	144	64.2	32.5	35.5	28.4	28.2
7-8 PM	864	0.0	108	0.0	1500	864	0	108	0.51	0	64.8	58.7	42.2	28.8	28.8
8-9 PM	746	0.0	92	0.0	1500	746	0	92	0.49	0	65.0	59.0	42.6	28.9	28.9
9-10 PM	612	0.0	76	0.0	1500	612	0	76	0.48	0	65.3	59.4	43.1	29.1	29.1
10-11 PM	409	0.0	51	0.0	1500	409	0	51	0.46	0	65.6	59.9	43.8	29.3	29.3
11PM-MID	228	0.0	28	0.0	1500	228	0	28	0.44	0	66.0	60.4	44.6	29.6	29.6

*----- 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	0.0168
MAIN ROUTE WITH WORKS	0.0144
DIVERSION	0.0324

PIA: Personal Injury Accidents

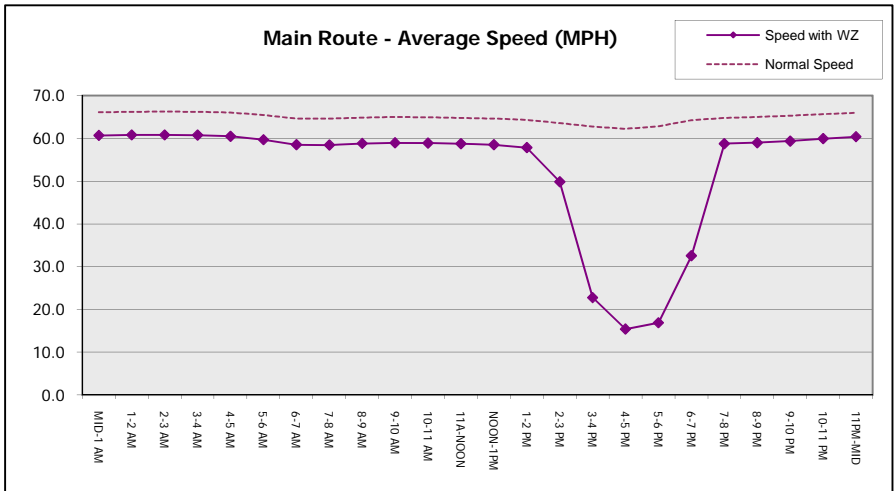
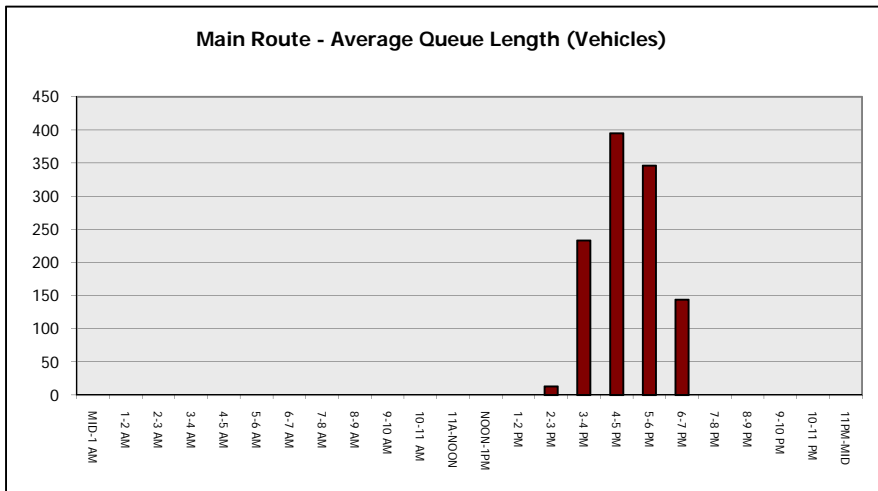
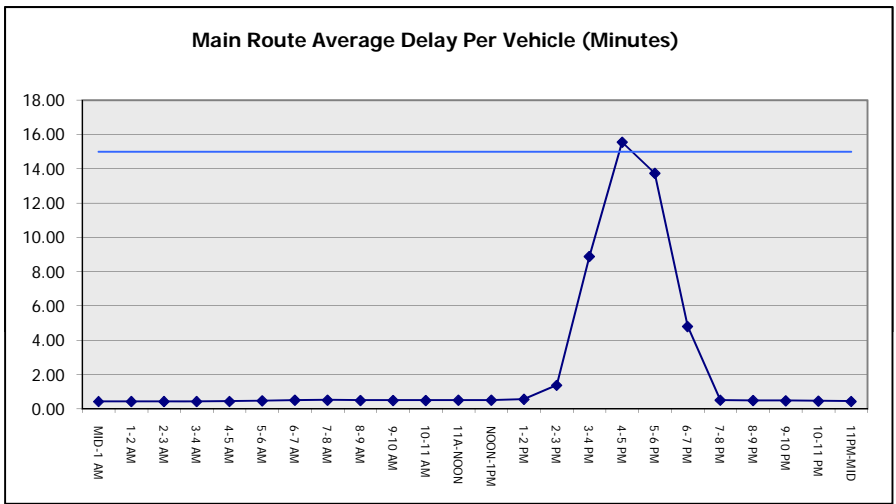
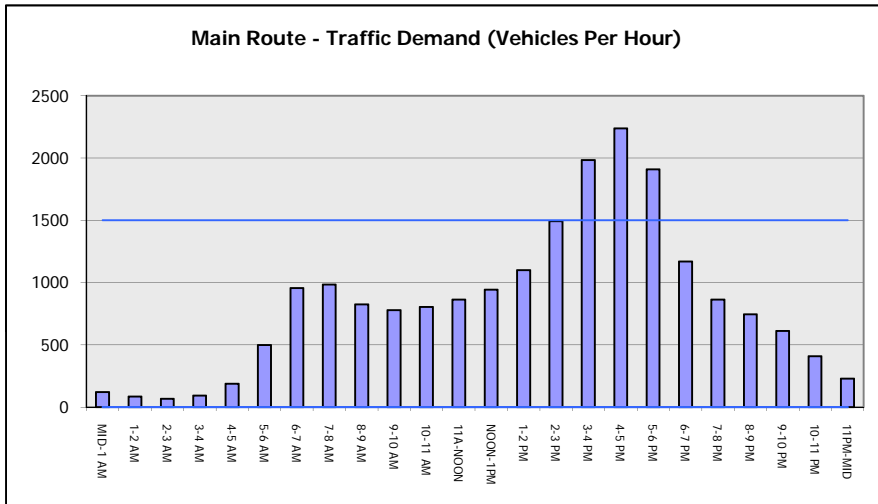
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$20,344
CONGESTED HOURS PER DAY*	1

\*Delays Exceeding 15 Minutes

**IH 43: STH 20 TO STH 164 (WAUKESHA AND WALWORTH COUNTIES)  
 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: STH 83 - CTH L - STH 20**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR SOUTHBOUND DIRECTION**



<b>IH 43: STH 20 TO STH 164 (WAUKESHA AND WALWORTH COUNTIES)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 83 - CTH L - STH 20</b>	<b>MAY</b>
	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	97	0.0	12	0.0	1500	97	0	12	0.43	0	66.2	60.7	45.1	29.7	29.7
1-2 AM	64	0.0	8	0.0	1500	64	0	8	0.43	0	66.3	60.9	45.2	29.7	29.7
2-3 AM	83	0.0	10	0.0	1500	83	0	10	0.43	0	66.3	60.8	45.1	29.7	29.7
3-4 AM	166	0.0	20	0.0	1500	166	0	20	0.44	0	66.1	60.5	44.8	29.6	29.6
4-5 AM	526	0.0	65	0.0	1500	526	0	65	0.47	0	65.4	59.6	43.4	29.2	29.2
5-6 AM	1472	0.0	183	0.0	1499	1472	0	183	1.54	22	63.7	48.6	33.6	28.1	28.1
6-7 AM	2174	0.0	270	0.0	1500	1818	356	626	12.10	320	62.3	18.5	30.8	27.3	23.8
7-8 AM	2049	0.0	254	0.0	1499	1427	622	876	14.74	373	62.6	16.0	30.8	27.4	21.5
8-9 AM	1330	0.0	164	0.0	1499	1259	71	235	8.67	217	63.9	23.3	31.8	28.3	27.6
9-10 AM	1053	0.0	131	0.0	1500	1053	0	131	0.84	10	64.4	55.0	41.0	28.6	28.6
10-11 AM	962	0.0	119	0.0	1500	962	0	119	0.52	0	64.6	58.5	41.8	28.7	28.7
11A-NOON	938	0.0	117	0.0	1500	938	0	117	0.51	0	64.6	58.6	41.9	28.7	28.7
NOON-1PM	919	0.0	114	0.0	1500	919	0	114	0.51	0	64.6	58.6	42.0	28.8	28.8
1-2 PM	984	0.0	122	0.0	1500	984	0	122	0.52	0	64.5	58.4	41.7	28.6	28.6
2-3 PM	1049	0.0	130	0.0	1500	1049	0	130	0.52	0	64.5	58.2	41.5	28.6	28.6
3-4 PM	1239	0.0	153	0.0	1500	1239	0	153	0.69	0	64.1	56.3	37.3	28.4	28.4
4-5 PM	1292	0.0	160	0.0	1500	1292	0	160	0.76	0	64.0	55.5	35.7	28.3	28.3
5-6 PM	1178	0.0	146	0.0	1500	1178	0	146	0.61	0	64.2	57.2	39.2	28.4	28.4
6-7 PM	838	0.0	103	0.0	1500	838	0	103	0.50	0	64.8	58.8	42.2	28.8	28.8
7-8 PM	633	0.0	78	0.0	1500	633	0	78	0.48	0	65.2	59.3	43.0	29.1	29.1
8-9 PM	534	0.0	66	0.0	1500	534	0	66	0.47	0	65.4	59.6	43.4	29.2	29.2
9-10 PM	424	0.0	53	0.0	1500	424	0	53	0.46	0	65.6	59.9	43.8	29.3	29.3
10-11 PM	276	0.0	34	0.0	1500	276	0	34	0.45	0	65.9	60.2	44.4	29.5	29.5
11PM-MID	143	0.0	17	0.0	1500	143	0	17	0.44	0	66.1	60.6	44.9	29.6	29.6

*----- 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	0.0172
MAIN ROUTE WITH WORKS	0.0151
DIVERSION	0.0299

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$17,270
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 43: STH 20 TO STH 164 (WAUKESHA AND WALWORTH COUNTIES)  
 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: STH 83 - CTH L - STH 20**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR NORTHBOUND DIRECTION**

