

<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>AUGUST</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	167	0.0	20	0.0	1500	167	0	20	0.44	0	66.1	60.5	44.8	29.6	29.6
1-2 AM	100	0.0	12	0.0	1500	100	0	12	0.43	0	66.2	60.7	45.1	29.7	29.7
2-3 AM	76	0.0	9	0.0	1500	76	0	9	0.43	0	66.3	60.8	45.2	29.7	29.7
3-4 AM	91	0.0	11	0.0	1500	91	0	11	0.43	0	66.2	60.7	45.1	29.7	29.7
4-5 AM	184	0.0	22	0.0	1500	184	0	22	0.44	0	66.0	60.5	44.8	29.6	29.6
5-6 AM	460	0.0	57	0.0	1500	460	0	57	0.47	0	65.5	59.7	43.7	29.2	29.2
6-7 AM	916	0.0	114	0.0	1500	916	0	114	0.51	0	64.7	58.6	42.0	28.8	28.8
7-8 AM	994	0.0	123	0.0	1500	994	0	123	0.52	0	64.5	58.4	41.7	28.6	28.6
8-9 AM	865	0.0	108	0.0	1500	865	0	108	0.51	0	64.8	58.7	42.2	28.8	28.8
9-10 AM	836	0.0	104	0.0	1500	836	0	104	0.50	0	64.8	58.8	42.3	28.8	28.8
10-11 AM	871	0.0	108	0.0	1500	871	0	108	0.51	0	64.8	58.7	42.2	28.8	28.8
11A-NOON	919	0.0	114	0.0	1500	919	0	114	0.51	0	64.6	58.6	42.0	28.8	28.8
NOON-1PM	979	0.0	122	0.0	1500	979	0	122	0.52	0	64.6	58.4	41.7	28.6	28.6
1-2 PM	1122	0.0	139	0.0	1499	1122	0	139	0.57	0	64.3	57.6	40.2	28.5	28.5
2-3 PM	1488	0.0	185	0.0	1499	1488	0	185	1.34	11	63.6	50.2	32.1	28.1	28.1
3-4 PM	1966	0.0	244	0.0	1500	1807	159	403	8.52	224	62.7	23.4	30.8	27.5	26.0
4-5 PM	2269	0.0	281	0.0	1499	1565	704	985	15.71	399	62.2	15.3	30.8	27.1	20.4
5-6 PM	2061	0.0	256	0.0	1499	1416	646	902	14.97	379	62.5	15.8	30.8	27.4	21.2
6-7 PM	1294	0.0	160	0.0	1499	1228	67	227	8.10	207	64.0	24.3	32.6	28.3	27.6
7-8 PM	916	0.0	114	0.0	1500	916	0	114	0.62	3	64.7	57.4	42.0	28.8	28.8
8-9 PM	824	0.0	102	0.0	1500	824	0	102	0.50	0	64.8	58.8	42.3	28.8	28.8
9-10 PM	691	0.0	85	0.0	1500	691	0	85	0.49	0	65.1	59.2	42.8	29.0	29.0
10-11 PM	521	0.0	65	0.0	1500	521	0	65	0.47	0	65.4	59.6	43.4	29.2	29.2
11PM-MID	322	0.0	40	0.0	1500	322	0	40	0.45	0	65.8	60.1	44.2	29.4	29.4

*----- 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	0.0177
MAIN ROUTE WITH WORKS	0.0151
DIVERSION	0.0348

PIA: Personal Injury Accidents

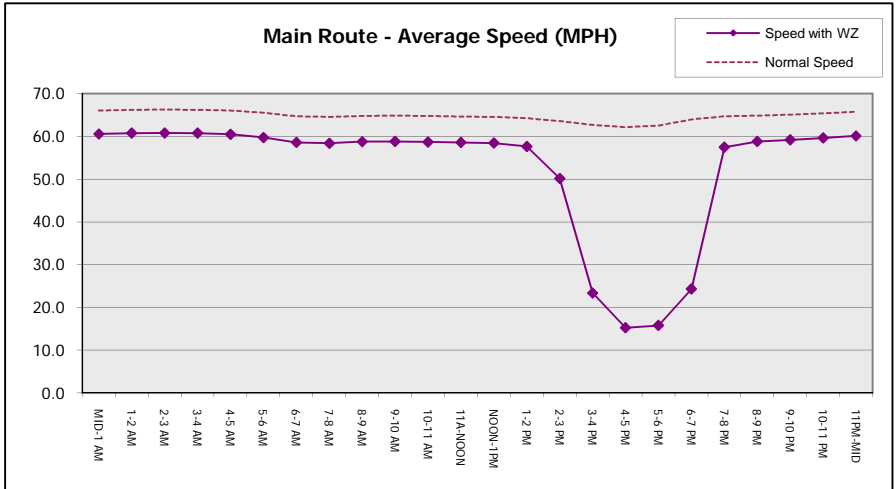
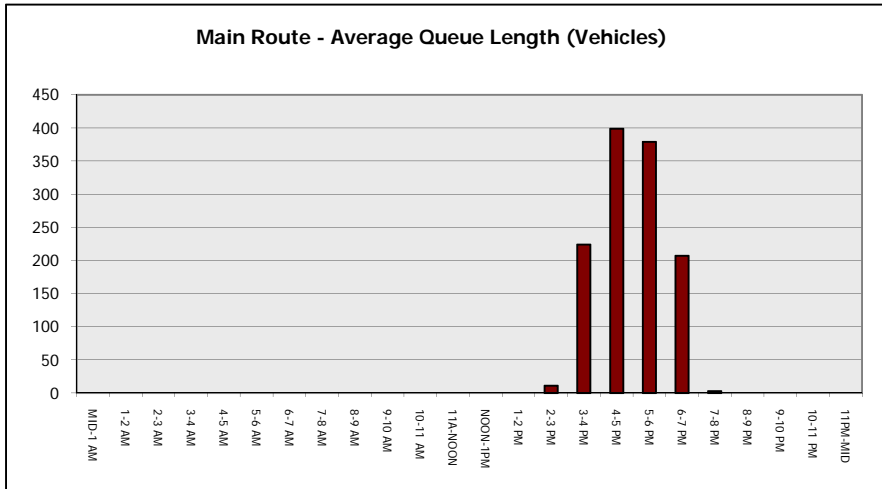
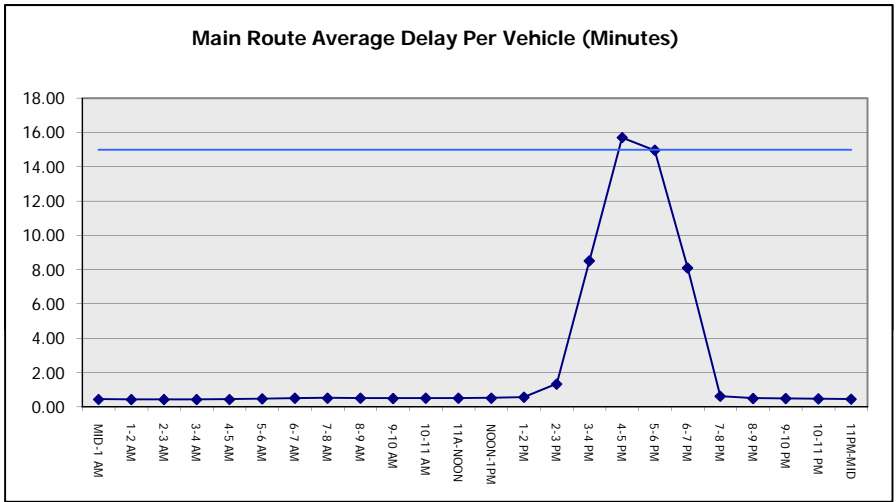
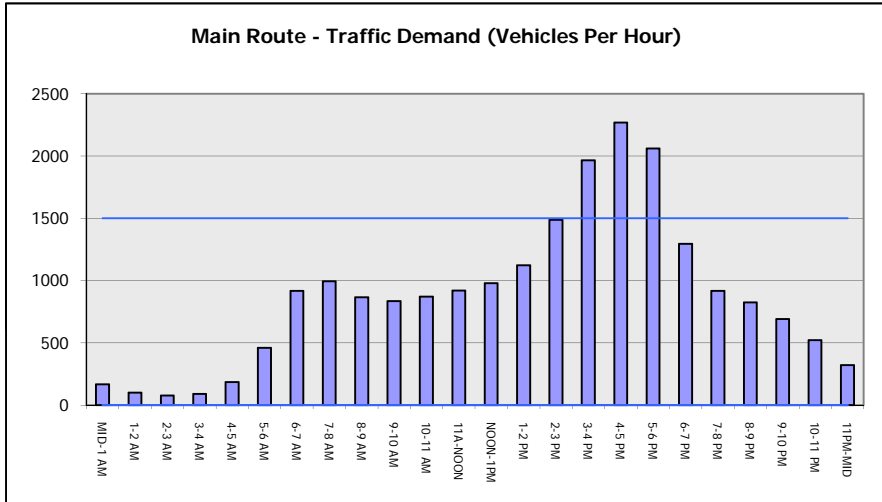
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$22,638
CONGESTED HOURS PER DAY*	1

\*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**

**AUGUST**  
 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>AUGUST</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	158	0.0	19	0.0	1500	158	0	19	0.44	0	66.1	60.5	44.8	29.6	29.6
1-2 AM	86	0.0	10	0.0	1500	86	0	10	0.43	0	66.2	60.8	45.1	29.7	29.7
2-3 AM	91	0.0	11	0.0	1500	91	0	11	0.43	0	66.2	60.7	45.1	29.7	29.7
3-4 AM	164	0.0	20	0.0	1500	164	0	20	0.44	0	66.1	60.5	44.8	29.6	29.6
4-5 AM	506	0.0	63	0.0	1500	506	0	63	0.47	0	65.5	59.7	43.5	29.2	29.2
5-6 AM	1401	0.0	174	0.0	1499	1401	0	174	1.23	12	63.8	51.2	34.7	28.1	28.1
6-7 AM	2123	0.0	263	0.0	1500	1841	282	545	10.28	273	62.4	20.7	30.8	27.3	24.7
7-8 AM	2160	0.0	268	0.0	1499	1474	686	954	15.43	391	62.3	15.5	30.8	27.3	20.7
8-9 AM	1439	0.0	179	0.0	1499	1299	140	318	10.20	252	63.7	20.9	30.8	28.1	26.8
9-10 AM	1145	0.0	142	0.0	1499	1145	0	142	1.83	44	64.3	46.9	38.0	28.4	28.4
10-11 AM	1073	0.0	133	0.0	1500	1073	0	133	0.53	0	64.4	58.2	41.4	28.6	28.6
11A-NOON	1064	0.0	132	0.0	1500	1064	0	132	0.53	0	64.4	58.2	41.5	28.6	28.6
NOON-1PM	1029	0.0	128	0.0	1500	1029	0	128	0.52	0	64.5	58.3	41.6	28.6	28.6
1-2 PM	1036	0.0	129	0.0	1500	1036	0	129	0.52	0	64.5	58.2	41.5	28.6	28.6
2-3 PM	1082	0.0	134	0.0	1500	1082	0	134	0.53	0	64.4	58.2	41.4	28.6	28.6
3-4 PM	1237	0.0	153	0.0	1500	1237	0	153	0.68	0	64.1	56.3	37.3	28.4	28.4
4-5 PM	1312	0.0	162	0.0	1500	1312	0	162	0.78	0	64.0	55.3	35.1	28.3	28.3
5-6 PM	1226	0.0	152	0.0	1500	1226	0	152	0.67	0	64.1	56.4	37.6	28.4	28.4
6-7 PM	908	0.0	113	0.0	1500	908	0	113	0.51	0	64.7	58.6	42.0	28.8	28.8
7-8 PM	653	0.0	81	0.0	1500	653	0	81	0.49	0	65.1	59.2	42.9	29.1	29.1
8-9 PM	560	0.0	69	0.0	1500	560	0	69	0.48	0	65.3	59.5	43.3	29.1	29.1
9-10 PM	449	0.0	56	0.0	1500	449	0	56	0.47	0	65.6	59.8	43.7	29.2	29.2
10-11 PM	303	0.0	38	0.0	1500	303	0	38	0.45	0	65.8	60.2	44.3	29.4	29.4
11PM-MID	171	0.0	21	0.0	1500	171	0	21	0.44	0	66.1	60.5	44.8	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	0.0180
MAIN ROUTE WITH WORKS	0.0158
DIVERSION	0.0314

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$18,018
CONGESTED HOURS PER DAY*	1

\*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: STH 83 - CTH L - STH 20**

**AUGUST**  
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 Construction Season

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

