

IH 43: STH 20 TO STH 164 (WAUKESHA AND WALWORTH COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 83 - CTH L - STH 20	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	191	0.0	23	0.0	1500	191	0	23	0.44	0	66.0	60.5	44.7	29.6	29.6
1-2 AM	125	0.0	15	0.0	1500	125	0	15	0.43	0	66.1	60.7	45.0	29.7	29.7
2-3 AM	87	0.0	11	0.0	1500	87	0	11	0.43	0	66.2	60.8	45.1	29.7	29.7
3-4 AM	82	0.0	10	0.0	1500	82	0	10	0.43	0	66.3	60.8	45.1	29.7	29.7
4-5 AM	141	0.0	17	0.0	1500	141	0	17	0.44	0	66.1	60.6	44.9	29.6	29.6
5-6 AM	347	0.0	43	0.0	1500	347	0	43	0.46	0	65.8	60.1	44.1	29.4	29.4
6-7 AM	813	0.0	100	0.0	1500	813	0	100	0.50	0	64.9	58.9	42.4	28.9	28.9
7-8 AM	1019	0.0	127	0.0	1500	1019	0	127	0.52	0	64.5	58.3	41.6	28.6	28.6
8-9 AM	833	0.0	104	0.0	1500	833	0	104	0.50	0	64.8	58.8	42.3	28.8	28.8
9-10 AM	835	0.0	104	0.0	1500	835	0	104	0.50	0	64.8	58.8	42.3	28.8	28.8
10-11 AM	869	0.0	108	0.0	1500	869	0	108	0.51	0	64.8	58.7	42.2	28.8	28.8
11A-NOON	982	0.0	122	0.0	1500	982	0	122	0.52	0	64.6	58.4	41.7	28.6	28.6
NOON-1PM	1088	0.0	135	0.0	1500	1088	0	135	0.53	0	64.3	58.1	41.4	28.5	28.5
1-2 PM	1227	0.0	152	0.0	1499	1227	0	152	0.67	0	64.1	56.4	37.7	28.4	28.4
2-3 PM	1563	0.0	194	0.0	1499	1563	0	194	1.64	19	63.5	47.8	31.1	27.9	27.9
3-4 PM	1986	0.0	247	0.0	1500	1778	209	455	9.77	253	62.7	21.4	30.8	27.4	25.5
4-5 PM	2263	0.0	281	0.0	1499	1565	699	980	15.66	398	62.2	15.3	30.8	27.1	20.5
5-6 PM	2229	0.0	276	0.0	1499	1461	768	1044	16.30	415	62.2	14.8	30.8	27.2	19.9
6-7 PM	1453	0.0	180	0.0	1499	1279	175	354	10.37	259	63.7	20.7	30.8	28.1	26.5
7-8 PM	963	0.0	120	0.0	1500	963	0	120	1.26	28	64.6	51.4	41.0	28.7	28.7
8-9 PM	806	0.0	99	0.0	1500	806	0	99	0.50	0	64.9	58.9	42.4	28.9	28.9
9-10 PM	798	0.0	98	0.0	1500	798	0	98	0.50	0	64.9	58.9	42.4	28.9	28.9
10-11 PM	616	0.0	76	0.0	1500	616	0	76	0.48	0	65.3	59.4	43.1	29.1	29.1
11PM-MID	464	0.0	58	0.0	1500	464	0	58	0.47	0	65.5	59.7	43.7	29.2	29.2

----- 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	0.0184
MAIN ROUTE WITH WORKS	0.0155
DIVERSION	0.0380

PIA: Personal Injury Accidents

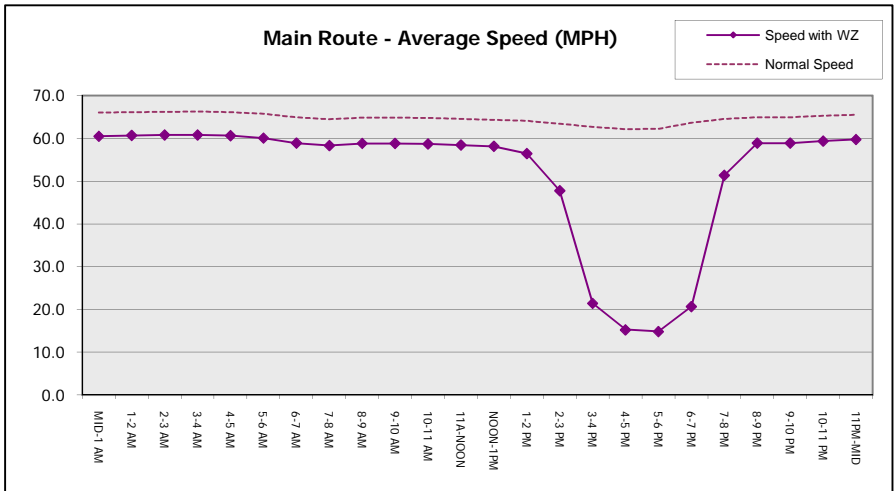
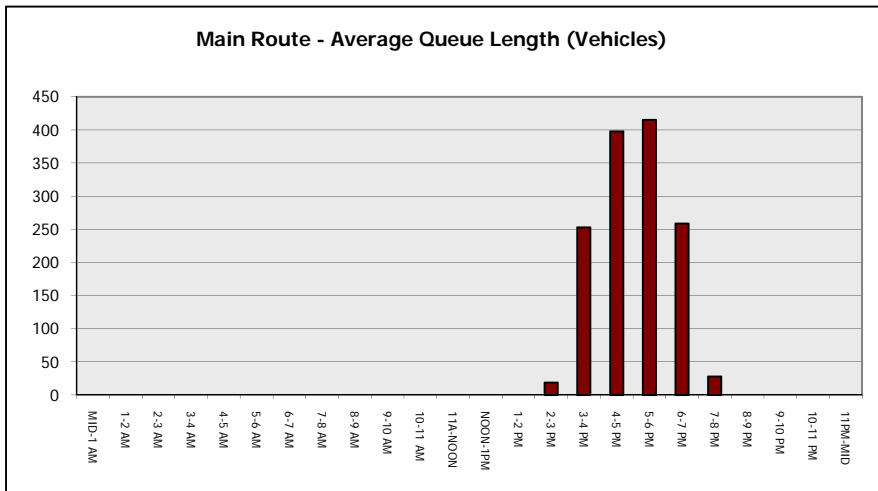
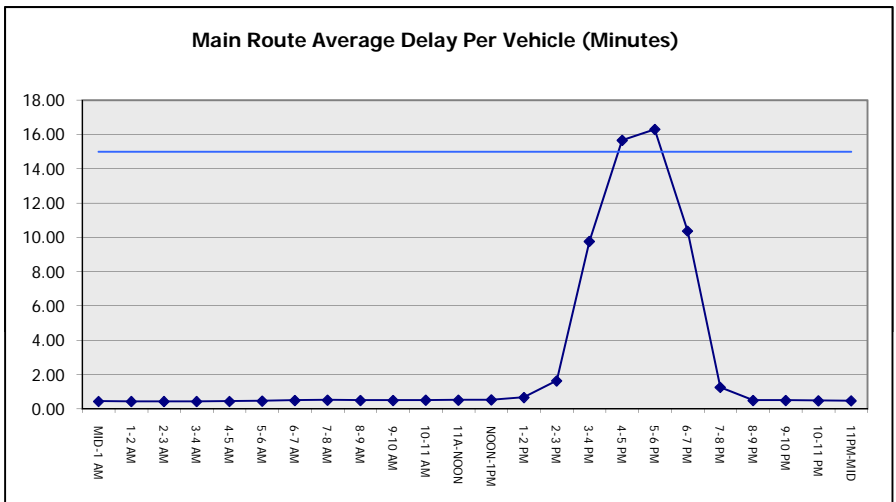
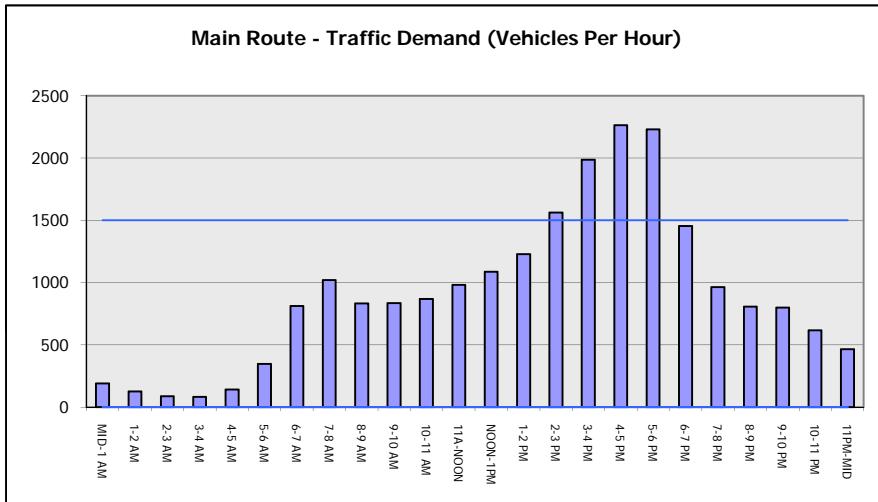
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$26,735
CONGESTED HOURS PER DAY*	2

*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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



IH 43: STH 20 TO STH 164 (WAUKESHA AND WALWORTH COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 83 - CTH L - STH 20	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	130	0.0	16	0.0	1500	130	0	16	0.44	0	66.1	60.7	45.0	29.7	29.7
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	80	0.0	10	0.0	1500	80	0	10	0.43	0	66.3	60.8	45.1	29.7	29.7
3-4 AM	139	0.0	17	0.0	1500	139	0	17	0.44	0	66.1	60.6	44.9	29.6	29.6
4-5 AM	319	0.0	40	0.0	1500	319	0	40	0.45	0	65.8	60.2	44.2	29.4	29.4
5-6 AM	1063	0.0	132	0.0	1499	1063	0	132	0.61	0	64.4	57.3	39.4	28.6	28.6
6-7 AM	1917	0.0	238	0.0	1499	1861	56	294	6.04	164	62.8	28.6	30.8	27.6	27.0
7-8 AM	2117	0.0	263	0.0	1499	1500	616	879	14.76	373	62.4	16.0	30.8	27.3	21.5
8-9 AM	1473	0.0	183	0.0	1499	1321	153	335	10.46	259	63.7	20.6	30.8	28.1	26.6
9-10 AM	1077	0.0	134	0.0	1500	1077	0	134	1.78	44	64.4	47.3	38.9	28.6	28.6
10-11 AM	1065	0.0	132	0.0	1500	1065	0	132	0.53	0	64.4	58.2	41.4	28.6	28.6
11A-NOON	1010	0.0	125	0.0	1500	1010	0	125	0.52	0	64.5	58.4	41.7	28.6	28.6
NOON-1PM	1060	0.0	132	0.0	1500	1060	0	132	0.52	0	64.4	58.2	41.5	28.6	28.6
1-2 PM	1063	0.0	132	0.0	1500	1063	0	132	0.53	0	64.4	58.2	41.5	28.6	28.6
2-3 PM	1174	0.0	145	0.0	1500	1174	0	145	0.60	0	64.2	57.3	39.3	28.4	28.4
3-4 PM	1330	0.0	164	0.0	1500	1330	0	164	0.80	0	63.9	55.0	34.7	28.3	28.3
4-5 PM	1414	0.0	176	0.0	1499	1414	0	176	0.91	0	63.8	53.9	32.7	28.1	28.1
5-6 PM	1502	0.0	186	0.0	1499	1502	0	186	1.25	6	63.6	50.8	30.9	28.1	28.1
6-7 PM	1237	0.0	153	0.0	1500	1237	0	153	0.68	0	64.1	56.3	37.5	28.4	28.4
7-8 PM	783	0.0	97	0.0	1500	783	0	97	0.50	0	65.0	58.9	42.5	28.9	28.9
8-9 PM	571	0.0	71	0.0	1500	571	0	71	0.48	0	65.3	59.5	43.2	29.1	29.1
9-10 PM	494	0.0	61	0.0	1500	494	0	61	0.47	0	65.5	59.7	43.5	29.2	29.2
10-11 PM	386	0.0	48	0.0	1500	386	0	48	0.46	0	65.6	60.0	44.0	29.4	29.4
11PM-MID	283	0.0	36	0.0	1500	283	0	36	0.45	0	65.9	60.2	44.3	29.5	29.5

----- 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	0.0184
MAIN ROUTE WITH WORKS	0.0163
DIVERSION	0.0294

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$16,220
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

