

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

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	240	0.0	29	0.0	1500	240	0	29	0.45	0	66.0	60.4	44.5	29.5	29.5
1-2 AM	138	0.0	17	0.0	1500	138	0	17	0.44	0	66.1	60.6	45.0	29.6	29.6
2-3 AM	103	0.0	13	0.0	1500	103	0	13	0.43	0	66.2	60.7	45.1	29.7	29.7
3-4 AM	100	0.0	12	0.0	1500	100	0	12	0.43	0	66.2	60.7	45.1	29.7	29.7
4-5 AM	161	0.0	20	0.0	1500	161	0	20	0.44	0	66.1	60.5	44.8	29.6	29.6
5-6 AM	366	0.0	46	0.0	1500	366	0	46	0.46	0	65.7	60.1	44.0	29.4	29.4
6-7 AM	803	0.0	99	0.0	1500	803	0	99	0.50	0	64.9	58.9	42.4	28.9	28.9
7-8 AM	975	0.0	121	0.0	1500	975	0	121	0.52	0	64.6	58.4	41.8	28.7	28.7
8-9 AM	882	0.0	110	0.0	1500	882	0	110	0.51	0	64.8	58.7	42.1	28.8	28.8
9-10 AM	883	0.0	110	0.0	1500	883	0	110	0.51	0	64.8	58.7	42.1	28.8	28.8
10-11 AM	964	0.0	120	0.0	1500	964	0	120	0.52	0	64.6	58.4	41.8	28.7	28.7
11A-NOON	1023	0.0	127	0.0	1500	1023	0	127	0.52	0	64.5	58.3	41.6	28.6	28.6
NOON-1PM	1195	0.0	148	0.0	1500	1195	0	148	0.63	0	64.1	56.9	38.6	28.4	28.4
1-2 PM	1282	0.0	159	0.0	1499	1282	0	159	0.74	0	64.0	55.7	36.1	28.3	28.3
2-3 PM	1632	0.0	202	0.0	1499	1632	0	202	2.44	43	63.3	42.7	30.8	27.9	27.9
3-4 PM	1997	0.0	248	0.0	1500	1730	267	515	11.47	294	62.7	19.2	30.8	27.4	24.9
4-5 PM	2327	0.0	288	0.0	1500	1572	755	1044	16.28	415	62.0	14.8	30.8	27.1	19.9
5-6 PM	2006	0.0	249	0.0	1499	1393	613	862	14.62	370	62.7	16.1	30.8	27.4	21.6
6-7 PM	1591	0.0	197	0.0	1500	1414	176	373	11.20	276	63.4	19.6	30.8	27.9	26.3
7-8 PM	1027	0.0	127	0.0	1499	1027	0	127	2.44	74	64.5	43.2	38.5	28.6	28.6
8-9 PM	876	0.0	109	0.0	1500	876	0	109	0.51	0	64.8	58.7	42.1	28.8	28.8
9-10 PM	917	0.0	114	0.0	1500	917	0	114	0.51	0	64.6	58.6	42.0	28.8	28.8
10-11 PM	853	0.0	106	0.0	1500	853	0	106	0.50	0	64.8	58.7	42.2	28.8	28.8
11PM-MID	595	0.0	74	0.0	1500	595	0	74	0.48	0	65.3	59.4	43.2	29.1	29.1

----- 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	0.0193
MAIN ROUTE WITH WORKS	0.0164
DIVERSION	0.0388

PIA: Personal Injury Accidents

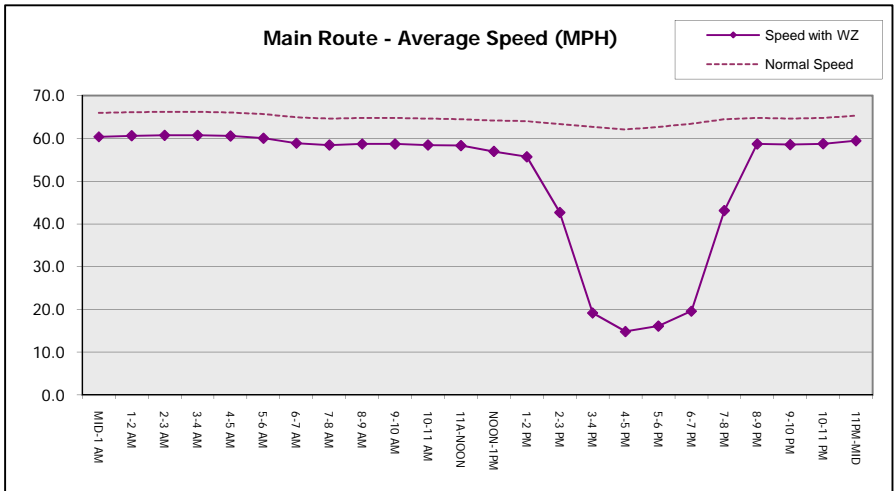
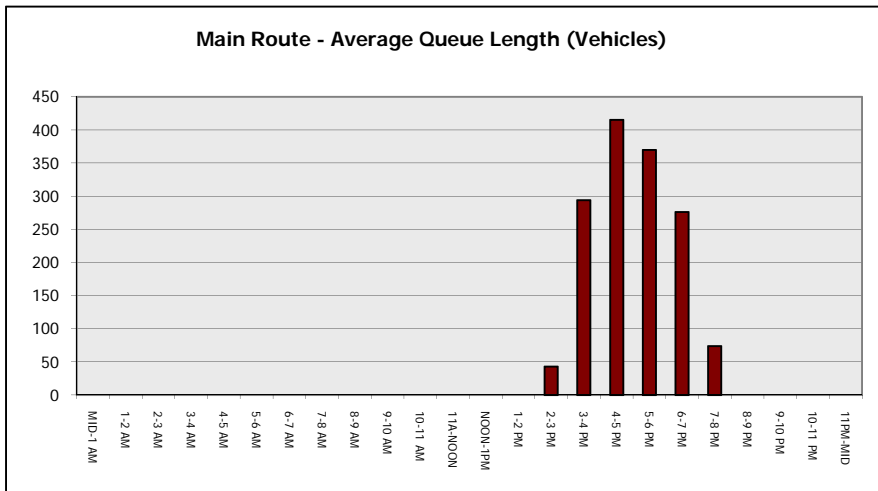
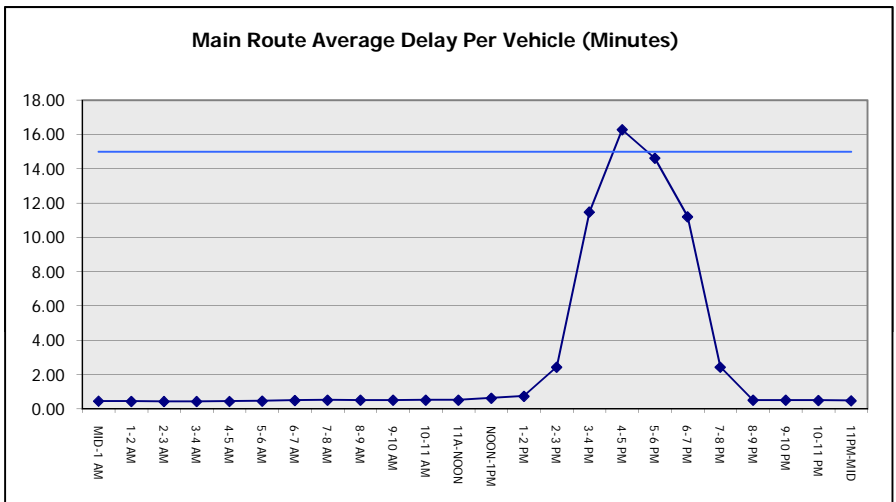
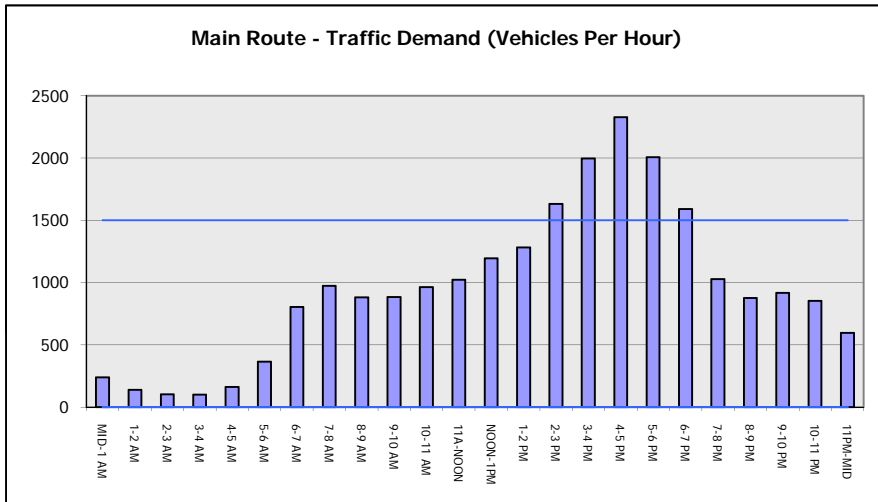
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$27,951
CONGESTED HOURS PER DAY*	1

*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
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	AUGUST
	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	152	0.0	19	0.0	1500	152	0	19	0.44	0	66.1	60.6	44.9	29.6	29.6
1-2 AM	93	0.0	11	0.0	1500	93	0	11	0.43	0	66.2	60.7	45.1	29.7	29.7
2-3 AM	95	0.0	12	0.0	1500	95	0	12	0.43	0	66.2	60.7	45.1	29.7	29.7
3-4 AM	136	0.0	17	0.0	1500	136	0	17	0.44	0	66.1	60.6	45.0	29.6	29.6
4-5 AM	351	0.0	44	0.0	1500	351	0	44	0.46	0	65.7	60.1	44.1	29.4	29.4
5-6 AM	1043	0.0	129	0.0	1499	1043	0	129	0.59	0	64.5	57.6	39.9	28.6	28.6
6-7 AM	1820	0.0	225	0.0	1499	1820	0	225	4.87	128	63.0	32.0	30.8	27.7	27.7
7-8 AM	2065	0.0	256	0.0	1499	1530	534	790	14.01	352	62.5	16.6	30.8	27.4	22.3
8-9 AM	1480	0.0	184	0.0	1499	1345	135	318	10.49	258	63.7	20.6	30.8	28.1	26.8
9-10 AM	1232	0.0	152	0.0	1499	1232	0	152	3.04	79	64.1	39.7	34.8	28.4	28.4
10-11 AM	1164	0.0	144	0.0	1500	1164	0	144	0.59	0	64.2	57.4	39.6	28.4	28.4
11A-NOON	1163	0.0	144	0.0	1500	1163	0	144	0.59	0	64.2	57.4	39.7	28.4	28.4
NOON-1PM	1151	0.0	143	0.0	1500	1151	0	143	0.57	0	64.2	57.6	40.1	28.4	28.4
1-2 PM	1177	0.0	146	0.0	1500	1177	0	146	0.61	0	64.2	57.2	39.2	28.4	28.4
2-3 PM	1235	0.0	153	0.0	1500	1235	0	153	0.68	0	64.1	56.3	37.4	28.4	28.4
3-4 PM	1399	0.0	174	0.0	1499	1399	0	174	0.89	0	63.8	54.1	33.0	28.1	28.1
4-5 PM	1514	0.0	188	0.0	1499	1514	0	188	1.18	4	63.6	51.4	30.9	28.0	28.0
5-6 PM	1585	0.0	197	0.0	1500	1585	0	197	3.48	68	63.4	37.4	30.8	27.9	27.9
6-7 PM	1281	0.0	158	0.0	1499	1281	0	158	1.91	37	64.0	46.2	35.0	28.3	28.3
7-8 PM	897	0.0	112	0.0	1500	897	0	112	0.51	0	64.7	58.6	42.0	28.8	28.8
8-9 PM	703	0.0	87	0.0	1500	703	0	87	0.49	0	65.1	59.1	42.7	29.0	29.0
9-10 PM	616	0.0	76	0.0	1500	616	0	76	0.48	0	65.3	59.4	43.1	29.1	29.1
10-11 PM	474	0.0	59	0.0	1500	474	0	59	0.47	0	65.5	59.7	43.6	29.2	29.2
11PM-MID	390	0.0	49	0.0	1500	390	0	49	0.46	0	65.6	59.9	43.9	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	0.0196
MAIN ROUTE WITH WORKS	0.0175
DIVERSION	0.0296

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$17,111
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**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

