

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

SUNDAY 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	358	0.0	45	0.0	1500	358	0	45	0.46	0	65.7	60.1	44.0	29.4	29.4
1-2 AM	229	0.0	28	0.0	1500	229	0	28	0.44	0	66.0	60.4	44.6	29.6	29.6
2-3 AM	137	0.0	17	0.0	1500	137	0	17	0.44	0	66.1	60.6	45.0	29.6	29.6
3-4 AM	80	0.0	10	0.0	1500	80	0	10	0.43	0	66.3	60.8	45.1	29.7	29.7
4-5 AM	78	0.0	10	0.0	1500	78	0	10	0.43	0	66.3	60.8	45.1	29.7	29.7
5-6 AM	144	0.0	18	0.0	1500	144	0	18	0.44	0	66.1	60.6	44.9	29.6	29.6
6-7 AM	294	0.0	37	0.0	1500	294	0	37	0.45	0	65.8	60.2	44.3	29.4	29.4
7-8 AM	387	0.0	48	0.0	1500	387	0	48	0.46	0	65.6	60.0	44.0	29.4	29.4
8-9 AM	564	0.0	70	0.0	1500	564	0	70	0.48	0	65.3	59.5	43.3	29.1	29.1
9-10 AM	752	0.0	93	0.0	1500	752	0	93	0.50	0	65.0	59.0	42.5	28.9	28.9
10-11 AM	951	0.0	118	0.0	1500	951	0	118	0.51	0	64.6	58.5	41.9	28.7	28.7
11A-NOON	1141	0.0	141	0.0	1500	1141	0	141	0.56	0	64.3	57.8	40.4	28.4	28.4
NOON-1PM	1253	0.0	155	0.0	1500	1253	0	155	0.70	0	64.0	56.1	36.8	28.3	28.3
1-2 PM	1344	0.0	166	0.0	1500	1344	0	166	0.82	0	63.9	54.8	34.3	28.3	28.3
2-3 PM	1411	0.0	175	0.0	1500	1411	0	175	0.91	0	63.8	53.9	32.7	28.1	28.1
3-4 PM	1467	0.0	182	0.0	1500	1467	0	182	0.98	0	63.7	53.2	31.5	28.1	28.1
4-5 PM	1439	0.0	179	0.0	1500	1439	0	179	0.95	0	63.7	53.5	32.1	28.1	28.1
5-6 PM	1327	0.0	164	0.0	1500	1327	0	164	0.80	0	63.9	55.0	34.8	28.3	28.3
6-7 PM	1078	0.0	134	0.0	1500	1078	0	134	0.53	0	64.4	58.2	41.4	28.6	28.6
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	701	0.0	87	0.0	1500	701	0	87	0.49	0	65.1	59.1	42.7	29.0	29.0
9-10 PM	535	0.0	66	0.0	1500	535	0	66	0.47	0	65.4	59.6	43.3	29.2	29.2
10-11 PM	388	0.0	48	0.0	1500	388	0	48	0.46	0	65.6	60.0	44.0	29.4	29.4
11PM-MID	261	0.0	32	0.0	1500	261	0	32	0.45	0	65.9	60.3	44.5	29.5	29.5

----- 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	0.0145
MAIN ROUTE WITH WORKS	0.0134
DIVERSION	0.0178

PIA: Personal Injury Accidents

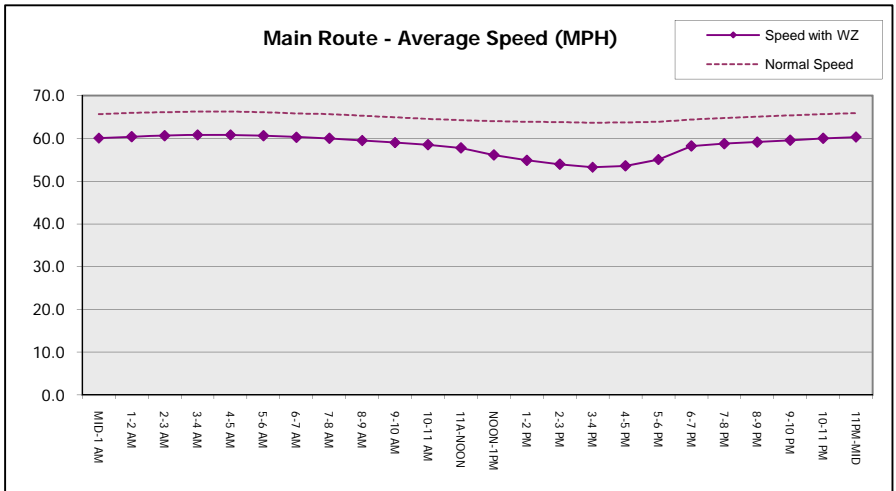
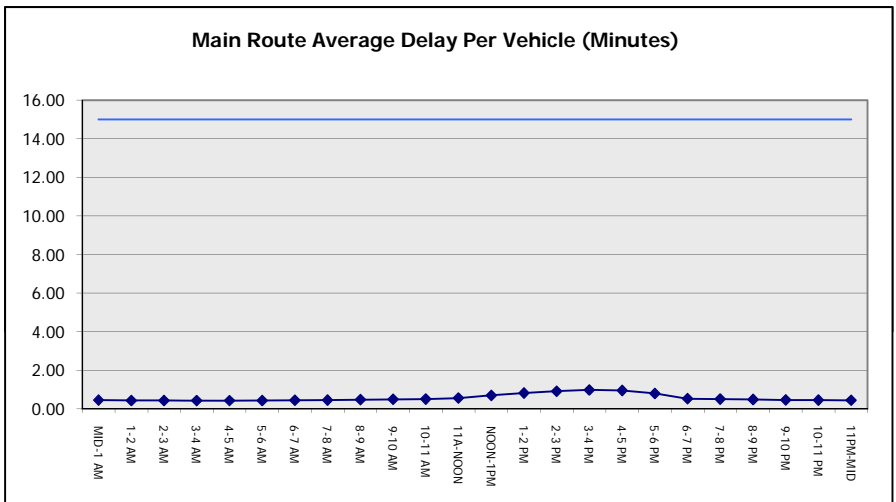
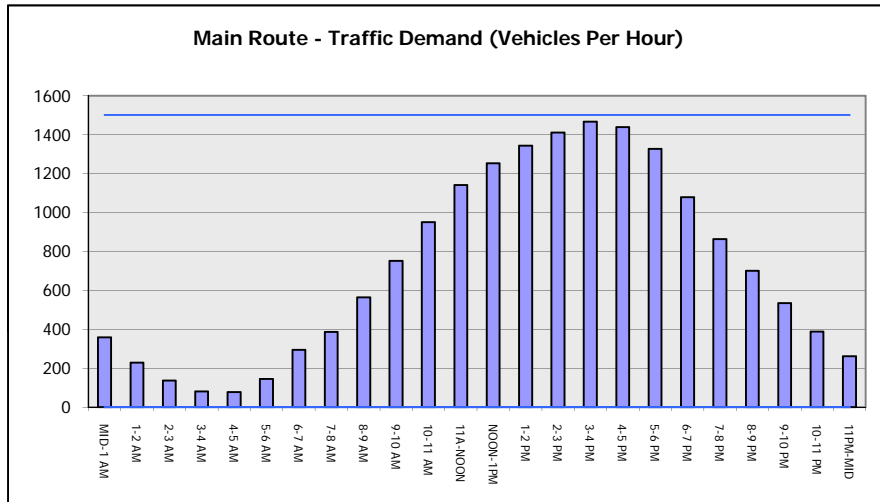
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,017
CONGESTED HOURS PER DAY*	0

*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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY 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
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	319	0.0	40	0.0	1500	319	0	40	0.45	0	65.8	60.2	44.2	29.4	29.4
1-2 AM	280	0.0	35	0.0	1500	280	0	35	0.45	0	65.9	60.2	44.3	29.5	29.5
2-3 AM	152	0.0	19	0.0	1500	152	0	19	0.44	0	66.1	60.6	44.9	29.6	29.6
3-4 AM	89	0.0	11	0.0	1500	89	0	11	0.43	0	66.2	60.7	45.1	29.7	29.7
4-5 AM	100	0.0	12	0.0	1500	100	0	12	0.43	0	66.2	60.7	45.1	29.7	29.7
5-6 AM	168	0.0	21	0.0	1500	168	0	21	0.44	0	66.1	60.5	44.8	29.6	29.6
6-7 AM	244	0.0	30	0.0	1500	244	0	30	0.45	0	66.0	60.4	44.5	29.5	29.5
7-8 AM	351	0.0	44	0.0	1500	351	0	44	0.46	0	65.7	60.1	44.1	29.4	29.4
8-9 AM	539	0.0	67	0.0	1500	539	0	67	0.47	0	65.4	59.6	43.3	29.2	29.2
9-10 AM	866	0.0	108	0.0	1500	866	0	108	0.51	0	64.8	58.7	42.2	28.8	28.8
10-11 AM	1232	0.0	152	0.0	1500	1232	0	152	0.68	0	64.1	56.4	37.4	28.4	28.4
11A-NOON	1355	0.0	167	0.0	1500	1355	0	167	0.84	0	63.8	54.6	34.0	28.2	28.2
NOON-1PM	1344	0.0	166	0.0	1500	1344	0	166	0.82	0	63.9	54.8	34.3	28.3	28.3
1-2 PM	1277	0.0	158	0.0	1500	1277	0	158	0.74	0	64.0	55.8	36.1	28.3	28.3
2-3 PM	1204	0.0	149	0.0	1500	1204	0	149	0.64	0	64.1	56.8	38.3	28.4	28.4
3-4 PM	1156	0.0	143	0.0	1500	1156	0	143	0.58	0	64.2	57.5	39.9	28.4	28.4
4-5 PM	1170	0.0	145	0.0	1500	1170	0	145	0.60	0	64.2	57.3	39.4	28.4	28.4
5-6 PM	1101	0.0	136	0.0	1500	1101	0	136	0.53	0	64.3	58.1	41.4	28.5	28.5
6-7 PM	1021	0.0	127	0.0	1500	1021	0	127	0.52	0	64.5	58.3	41.6	28.6	28.6
7-8 PM	882	0.0	110	0.0	1500	882	0	110	0.51	0	64.8	58.7	42.1	28.8	28.8
8-9 PM	750	0.0	93	0.0	1500	750	0	93	0.50	0	65.0	59.0	42.6	28.9	28.9
9-10 PM	549	0.0	68	0.0	1500	549	0	68	0.48	0	65.4	59.6	43.3	29.2	29.2
10-11 PM	463	0.0	57	0.0	1500	463	0	57	0.47	0	65.5	59.7	43.7	29.2	29.2
11PM-MID	436	0.0	54	0.0	1500	436	0	54	0.46	0	65.6	59.9	43.8	29.3	29.3

----- 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	0.0144
MAIN ROUTE WITH WORKS	0.0133
DIVERSION	0.0176

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,672
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
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

