

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

SATURDAY 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	401	0.0	50	0.0	1500	401	0	50	0.46	0	65.6	59.9	43.9	29.3	29.3
1-2 AM	182	0.0	22	0.0	1500	182	0	22	0.44	0	66.1	60.5	44.8	29.6	29.6
2-3 AM	132	0.0	16	0.0	1500	132	0	16	0.44	0	66.1	60.7	45.0	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	107	0.0	13	0.0	1500	107	0	13	0.43	0	66.2	60.7	45.1	29.7	29.7
5-6 AM	225	0.0	27	0.0	1500	225	0	27	0.44	0	66.0	60.4	44.6	29.6	29.6
6-7 AM	421	0.0	52	0.0	1500	421	0	52	0.46	0	65.6	59.9	43.8	29.3	29.3
7-8 AM	600	0.0	74	0.0	1500	600	0	74	0.48	0	65.3	59.4	43.2	29.1	29.1
8-9 AM	775	0.0	96	0.0	1500	775	0	96	0.50	0	65.0	58.9	42.5	28.9	28.9
9-10 AM	905	0.0	113	0.0	1500	905	0	113	0.51	0	64.7	58.6	42.0	28.8	28.8
10-11 AM	1080	0.0	134	0.0	1500	1080	0	134	0.53	0	64.4	58.2	41.4	28.6	28.6
11A-NOON	1167	0.0	144	0.0	1500	1167	0	144	0.59	0	64.2	57.3	39.6	28.4	28.4
NOON-1PM	1328	0.0	164	0.0	1500	1328	0	164	0.80	0	63.9	55.0	34.8	28.3	28.3
1-2 PM	1417	0.0	176	0.0	1500	1417	0	176	0.92	0	63.7	53.8	32.6	28.1	28.1
2-3 PM	1384	0.0	172	0.0	1500	1384	0	172	0.88	0	63.8	54.3	33.3	28.2	28.2
3-4 PM	1437	0.0	179	0.0	1500	1437	0	179	0.94	0	63.7	53.6	32.1	28.1	28.1
4-5 PM	1367	0.0	169	0.0	1500	1367	0	169	0.85	0	63.8	54.5	33.8	28.2	28.2
5-6 PM	1230	0.0	152	0.0	1500	1230	0	152	0.67	0	64.1	56.4	37.5	28.4	28.4
6-7 PM	998	0.0	124	0.0	1500	998	0	124	0.52	0	64.5	58.4	41.7	28.6	28.6
7-8 PM	870	0.0	108	0.0	1500	870	0	108	0.51	0	64.8	58.7	42.2	28.8	28.8
8-9 PM	825	0.0	102	0.0	1500	825	0	102	0.50	0	64.8	58.8	42.3	28.8	28.8
9-10 PM	870	0.0	108	0.0	1500	870	0	108	0.51	0	64.8	58.7	42.2	28.8	28.8
10-11 PM	717	0.0	89	0.0	1500	717	0	89	0.49	0	65.0	59.1	42.7	28.9	28.9
11PM-MID	493	0.0	61	0.0	1500	493	0	61	0.47	0	65.5	59.7	43.5	29.2	29.2

----- 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	0.0160
MAIN ROUTE WITH WORKS	0.0148
DIVERSION	0.0197

PIA: Personal Injury Accidents

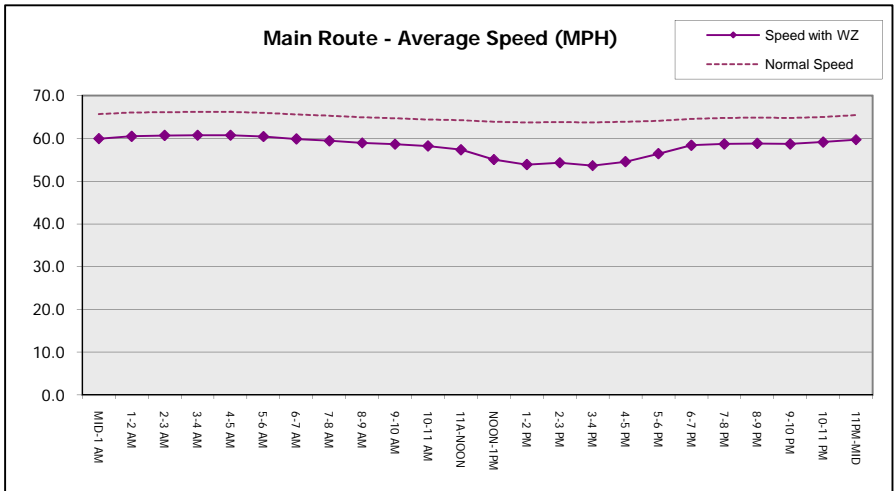
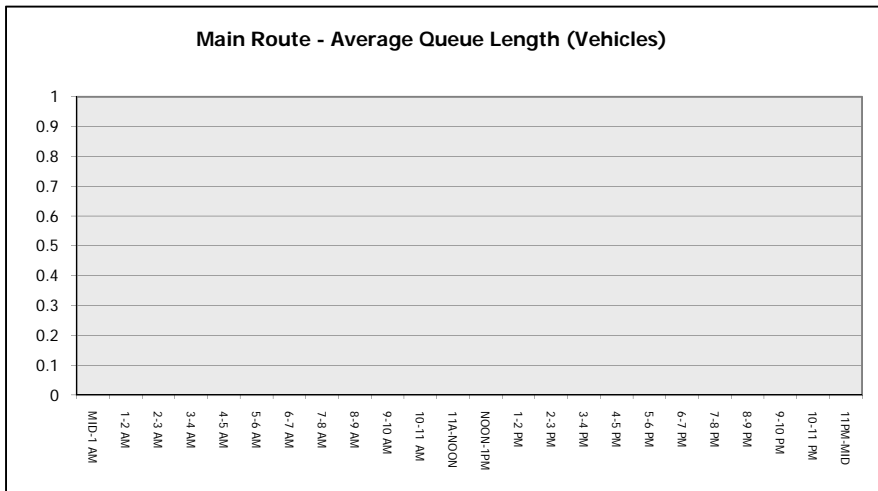
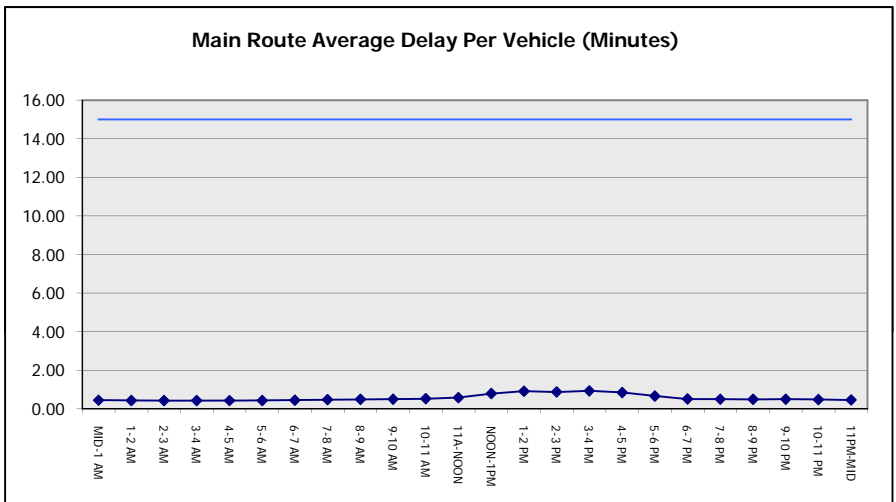
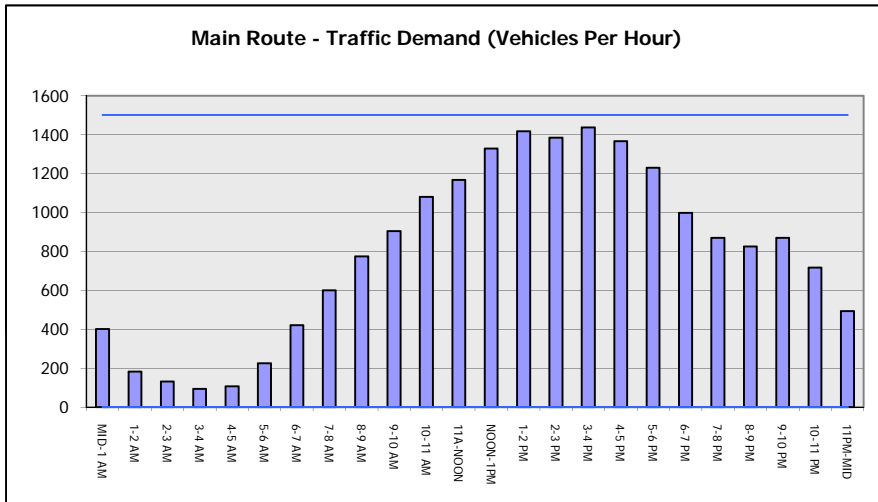
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,206
CONGESTED HOURS PER DAY*	0

*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
SATURDAY 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

SATURDAY 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	363	0.0	45	0.0	1500	363	0	45	0.46	0	65.7	60.1	44.0	29.4	29.4
1-2 AM	265	0.0	32	0.0	1500	265	0	32	0.45	0	65.9	60.3	44.4	29.5	29.5
2-3 AM	216	0.0	26	0.0	1500	216	0	26	0.44	0	66.0	60.4	44.6	29.6	29.6
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	180	0.0	22	0.0	1500	180	0	22	0.44	0	66.1	60.5	44.8	29.6	29.6
5-6 AM	343	0.0	43	0.0	1500	343	0	43	0.46	0	65.8	60.1	44.1	29.4	29.4
6-7 AM	524	0.0	65	0.0	1500	524	0	65	0.47	0	65.4	59.6	43.4	29.2	29.2
7-8 AM	651	0.0	80	0.0	1500	651	0	80	0.49	0	65.1	59.2	42.9	29.1	29.1
8-9 AM	898	0.0	112	0.0	1500	898	0	112	0.51	0	64.7	58.6	42.0	28.8	28.8
9-10 AM	1094	0.0	136	0.0	1500	1094	0	136	0.53	0	64.3	58.1	41.4	28.5	28.5
10-11 AM	1242	0.0	154	0.0	1500	1242	0	154	0.69	0	64.1	56.3	37.1	28.3	28.3
11A-NOON	1384	0.0	172	0.0	1500	1384	0	172	0.88	0	63.8	54.3	33.3	28.2	28.2
NOON-1PM	1357	0.0	168	0.0	1500	1357	0	168	0.84	0	63.8	54.6	34.0	28.2	28.2
1-2 PM	1370	0.0	169	0.0	1500	1370	0	169	0.86	0	63.8	54.5	33.7	28.2	28.2
2-3 PM	1372	0.0	170	0.0	1500	1372	0	170	0.86	0	63.8	54.5	33.7	28.2	28.2
3-4 PM	1284	0.0	159	0.0	1500	1284	0	159	0.75	0	64.0	55.6	36.0	28.3	28.3
4-5 PM	1232	0.0	152	0.0	1500	1232	0	152	0.68	0	64.1	56.4	37.4	28.4	28.4
5-6 PM	1123	0.0	139	0.0	1500	1123	0	139	0.54	0	64.3	58.0	41.1	28.5	28.5
6-7 PM	988	0.0	123	0.0	1500	988	0	123	0.52	0	64.5	58.4	41.7	28.6	28.6
7-8 PM	823	0.0	101	0.0	1500	823	0	101	0.50	0	64.8	58.8	42.3	28.8	28.8
8-9 PM	723	0.0	89	0.0	1500	723	0	89	0.49	0	65.0	59.1	42.7	28.9	28.9
9-10 PM	618	0.0	77	0.0	1500	618	0	77	0.48	0	65.2	59.4	43.0	29.1	29.1
10-11 PM	479	0.0	60	0.0	1500	479	0	60	0.47	0	65.5	59.7	43.6	29.2	29.2
11PM-MID	377	0.0	47	0.0	1500	377	0	47	0.46	0	65.7	60.0	44.0	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	0.0161
MAIN ROUTE WITH WORKS	0.0148
DIVERSION	0.0197

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,158
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
SATURDAY NORTHBOUND DIRECTION

