

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

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	286	0.0	36	0.0	1500	286	0	36	0.45	0	65.8	60.2	44.3	29.5	29.5
1-2 AM	161	0.0	20	0.0	1500	161	0	20	0.44	0	66.1	60.5	44.8	29.6	29.6
2-3 AM	136	0.0	17	0.0	1500	136	0	17	0.44	0	66.1	60.6	45.0	29.6	29.6
3-4 AM	81	0.0	10	0.0	1500	81	0	10	0.43	0	66.3	60.8	45.1	29.7	29.7
4-5 AM	67	0.0	8	0.0	1500	67	0	8	0.43	0	66.3	60.8	45.2	29.7	29.7
5-6 AM	118	0.0	14	0.0	1500	118	0	14	0.43	0	66.1	60.7	45.0	29.7	29.7
6-7 AM	234	0.0	29	0.0	1500	234	0	29	0.45	0	66.0	60.4	44.5	29.5	29.5
7-8 AM	329	0.0	41	0.0	1500	329	0	41	0.45	0	65.8	60.1	44.2	29.4	29.4
8-9 AM	491	0.0	61	0.0	1500	491	0	61	0.47	0	65.5	59.7	43.5	29.2	29.2
9-10 AM	673	0.0	83	0.0	1500	673	0	83	0.49	0	65.1	59.2	42.8	29.0	29.0
10-11 AM	893	0.0	111	0.0	1500	893	0	111	0.51	0	64.7	58.6	42.0	28.8	28.8
11A-NOON	1128	0.0	140	0.0	1500	1128	0	140	0.54	0	64.3	57.9	40.9	28.5	28.5
NOON-1PM	1209	0.0	150	0.0	1500	1209	0	150	0.65	0	64.1	56.7	38.2	28.4	28.4
1-2 PM	1178	0.0	146	0.0	1500	1178	0	146	0.61	0	64.2	57.2	39.2	28.4	28.4
2-3 PM	1212	0.0	150	0.0	1500	1212	0	150	0.65	0	64.1	56.7	38.1	28.4	28.4
3-4 PM	1238	0.0	153	0.0	1500	1238	0	153	0.69	0	64.1	56.3	37.3	28.4	28.4
4-5 PM	1154	0.0	143	0.0	1500	1154	0	143	0.58	0	64.2	57.5	40.0	28.4	28.4
5-6 PM	1041	0.0	129	0.0	1500	1041	0	129	0.52	0	64.5	58.2	41.5	28.6	28.6
6-7 PM	938	0.0	117	0.0	1500	938	0	117	0.51	0	64.6	58.6	41.9	28.7	28.7
7-8 PM	801	0.0	99	0.0	1500	801	0	99	0.50	0	64.9	58.9	42.4	28.9	28.9
8-9 PM	543	0.0	67	0.0	1500	543	0	67	0.48	0	65.4	59.6	43.3	29.2	29.2
9-10 PM	414	0.0	52	0.0	1500	414	0	52	0.46	0	65.6	59.9	43.8	29.3	29.3
10-11 PM	270	0.0	33	0.0	1500	270	0	33	0.45	0	65.9	60.3	44.4	29.5	29.5
11PM-MID	201	0.0	25	0.0	1500	201	0	25	0.44	0	66.0	60.5	44.6	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	0.0125
MAIN ROUTE WITH WORKS	0.0115
DIVERSION	0.0153

PIA: Personal Injury Accidents

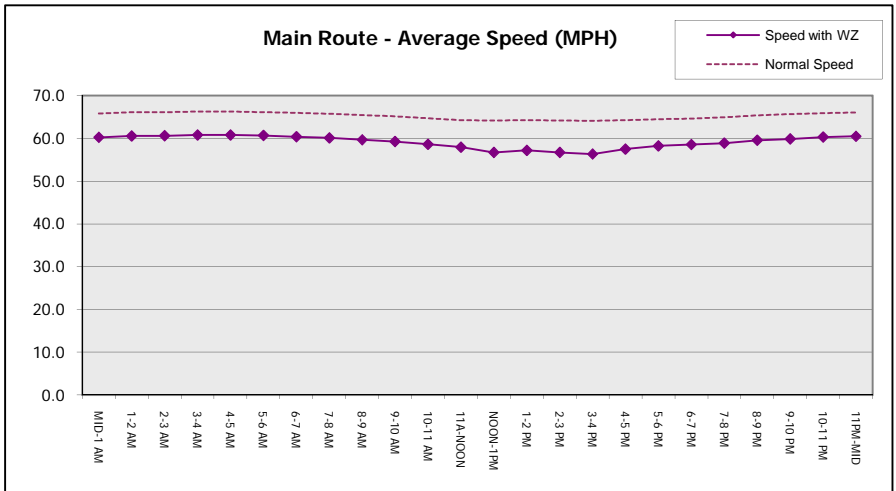
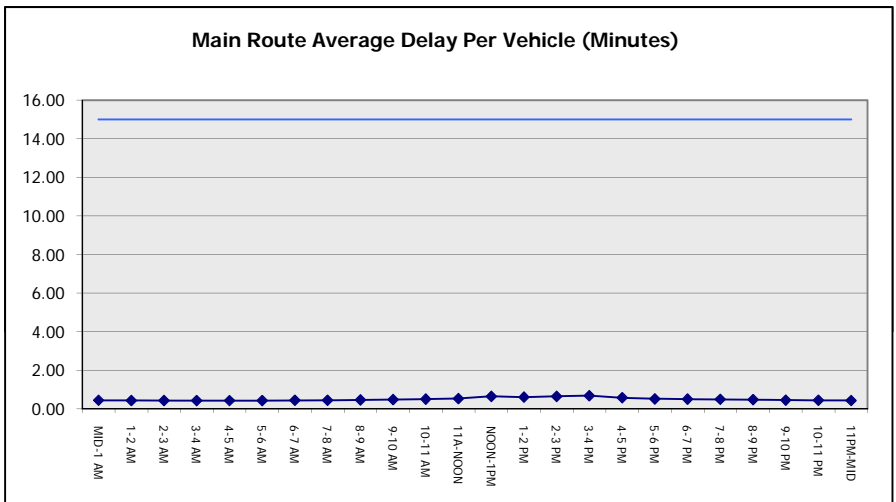
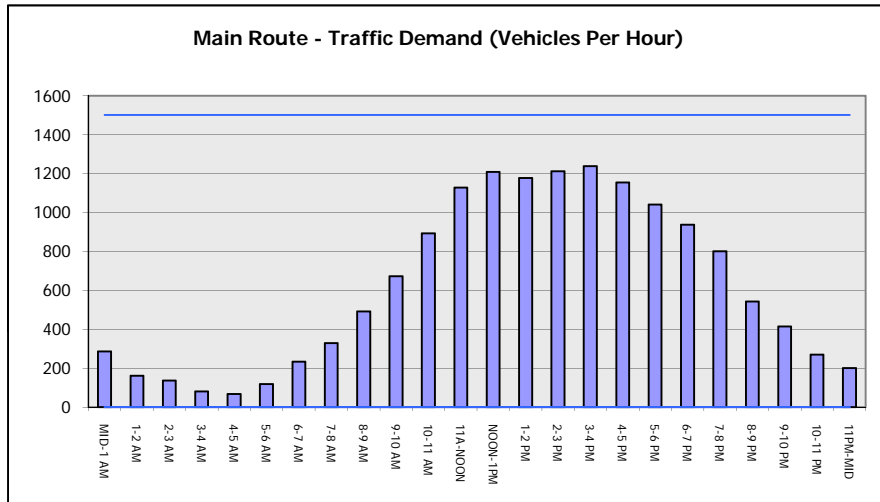
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,101
CONGESTED HOURS PER DAY*	0

*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

OCTOBER
 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	OCTOBER
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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	197	0.0	24	0.0	1500	197	0	24	0.44	0	66.0	60.5	44.7	29.6	29.6
1-2 AM	110	0.0	13	0.0	1500	110	0	13	0.43	0	66.2	60.7	45.0	29.7	29.7
2-3 AM	89	0.0	11	0.0	1500	89	0	11	0.43	0	66.2	60.7	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	98	0.0	12	0.0	1500	98	0	12	0.43	0	66.2	60.7	45.1	29.7	29.7
5-6 AM	181	0.0	22	0.0	1500	181	0	22	0.44	0	66.1	60.5	44.8	29.6	29.6
6-7 AM	253	0.0	31	0.0	1500	253	0	31	0.45	0	65.9	60.3	44.5	29.5	29.5
7-8 AM	353	0.0	44	0.0	1500	353	0	44	0.46	0	65.7	60.1	44.1	29.4	29.4
8-9 AM	537	0.0	67	0.0	1500	537	0	67	0.47	0	65.4	59.6	43.3	29.2	29.2
9-10 AM	768	0.0	95	0.0	1500	768	0	95	0.50	0	65.0	59.0	42.5	28.9	28.9
10-11 AM	949	0.0	118	0.0	1500	949	0	118	0.51	0	64.6	58.5	41.9	28.7	28.7
11A-NOON	1139	0.0	141	0.0	1500	1139	0	141	0.56	0	64.3	57.8	40.6	28.4	28.4
NOON-1PM	1224	0.0	152	0.0	1500	1224	0	152	0.67	0	64.1	56.5	37.7	28.4	28.4
1-2 PM	1141	0.0	141	0.0	1500	1141	0	141	0.56	0	64.3	57.8	40.4	28.4	28.4
2-3 PM	1137	0.0	141	0.0	1500	1137	0	141	0.56	0	64.3	57.8	40.6	28.4	28.4
3-4 PM	1181	0.0	146	0.0	1500	1181	0	146	0.61	0	64.2	57.1	39.1	28.4	28.4
4-5 PM	1160	0.0	144	0.0	1500	1160	0	144	0.59	0	64.2	57.4	39.7	28.4	28.4
5-6 PM	1055	0.0	131	0.0	1500	1055	0	131	0.52	0	64.4	58.2	41.5	28.6	28.6
6-7 PM	1004	0.0	125	0.0	1500	1004	0	125	0.52	0	64.5	58.4	41.7	28.6	28.6
7-8 PM	748	0.0	92	0.0	1500	748	0	92	0.49	0	65.0	59.0	42.6	28.9	28.9
8-9 PM	547	0.0	68	0.0	1500	547	0	68	0.48	0	65.4	59.6	43.3	29.2	29.2
9-10 PM	403	0.0	50	0.0	1500	403	0	50	0.46	0	65.6	59.9	43.9	29.3	29.3
10-11 PM	272	0.0	33	0.0	1500	272	0	33	0.45	0	65.9	60.3	44.4	29.5	29.5
11PM-MID	149	0.0	18	0.0	1500	149	0	18	0.44	0	66.1	60.6	44.9	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	0.0125
MAIN ROUTE WITH WORKS	0.0115
DIVERSION	0.0153

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,047
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**

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SUNDAY NORTHBOUND DIRECTION

