

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

MON-THUR 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	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	91	0.0	11	0.0	1500	91	0	11	0.43	0	66.2	60.7	45.1	29.7	29.7
2-3 AM	74	0.0	9	0.0	1500	74	0	9	0.43	0	66.3	60.8	45.2	29.7	29.7
3-4 AM	85	0.0	10	0.0	1500	85	0	10	0.43	0	66.2	60.8	45.1	29.7	29.7
4-5 AM	168	0.0	21	0.0	1500	168	0	21	0.44	0	66.1	60.5	44.8	29.6	29.6
5-6 AM	437	0.0	54	0.0	1500	437	0	54	0.46	0	65.6	59.8	43.7	29.3	29.3
6-7 AM	949	0.0	118	0.0	1500	949	0	118	0.51	0	64.6	58.5	41.9	28.7	28.7
7-8 AM	1007	0.0	125	0.0	1500	1007	0	125	0.52	0	64.5	58.4	41.7	28.6	28.6
8-9 AM	827	0.0	103	0.0	1500	827	0	103	0.50	0	64.8	58.8	42.3	28.8	28.8
9-10 AM	772	0.0	95	0.0	1500	772	0	95	0.50	0	65.0	58.9	42.5	28.9	28.9
10-11 AM	803	0.0	99	0.0	1500	803	0	99	0.50	0	64.9	58.9	42.4	28.9	28.9
11A-NOON	836	0.0	104	0.0	1500	836	0	104	0.50	0	64.8	58.8	42.3	28.8	28.8
NOON-1PM	921	0.0	114	0.0	1500	921	0	114	0.51	0	64.6	58.6	42.0	28.8	28.8
1-2 PM	1028	0.0	128	0.0	1499	1028	0	128	0.52	0	64.5	58.3	41.6	28.6	28.6
2-3 PM	1406	0.0	175	0.0	1499	1406	0	175	0.97	2	63.8	53.3	33.2	28.1	28.1
3-4 PM	1942	0.0	241	0.0	1500	1841	101	342	6.98	187	62.8	26.4	30.8	27.5	26.6
4-5 PM	2208	0.0	274	0.0	1499	1550	658	933	15.22	386	62.3	15.6	30.8	27.2	20.9
5-6 PM	2053	0.0	255	0.0	1499	1432	621	876	14.74	373	62.5	16.0	30.8	27.4	21.5
6-7 PM	1294	0.0	160	0.0	1499	1228	67	227	8.12	208	64.0	24.3	32.7	28.3	27.6
7-8 PM	867	0.0	108	0.0	1500	867	0	108	0.61	3	64.8	57.6	42.1	28.8	28.8
8-9 PM	741	0.0	91	0.0	1500	741	0	91	0.49	0	65.0	59.1	42.6	28.9	28.9
9-10 PM	566	0.0	70	0.0	1500	566	0	70	0.48	0	65.3	59.5	43.3	29.1	29.1
10-11 PM	387	0.0	48	0.0	1500	387	0	48	0.46	0	65.6	60.0	44.0	29.4	29.4
11PM-MID	251	0.0	31	0.0	1500	251	0	31	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	0.0167
MAIN ROUTE WITH WORKS	0.0143
DIVERSION	0.0326

PIA: Personal Injury Accidents

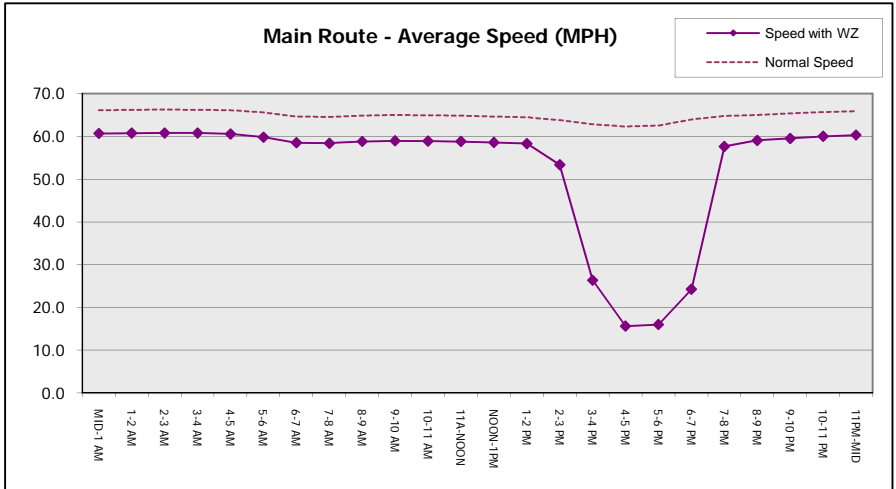
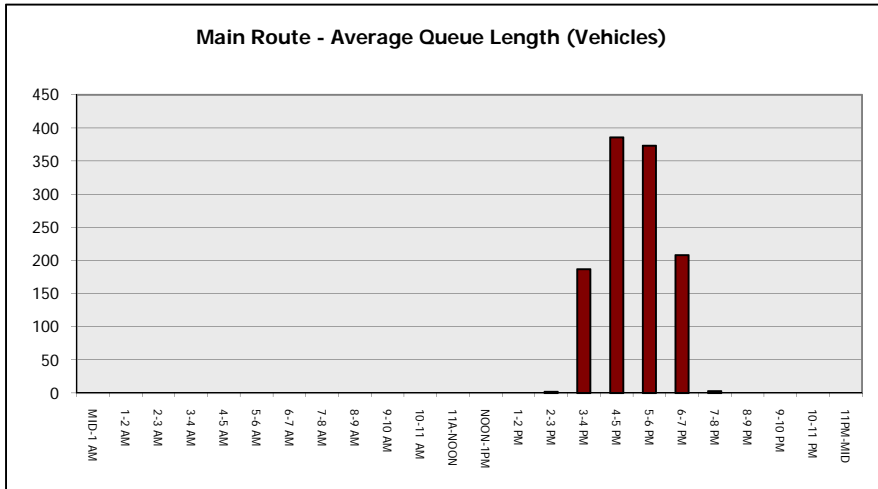
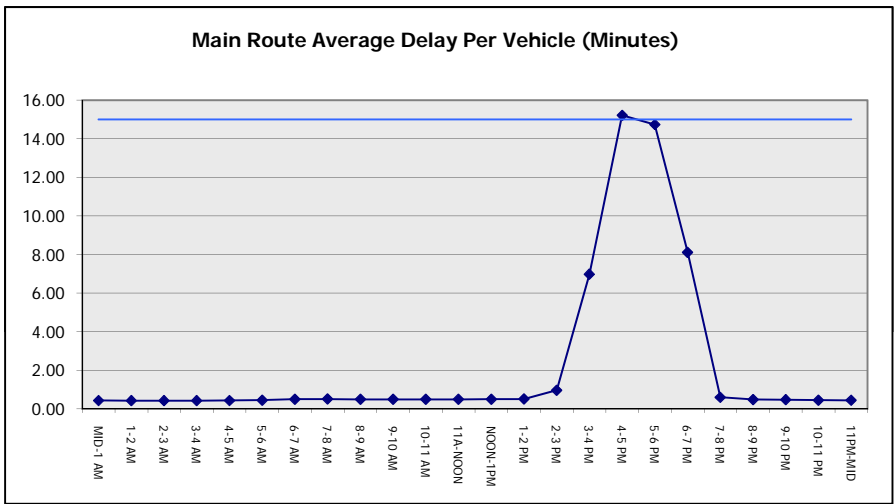
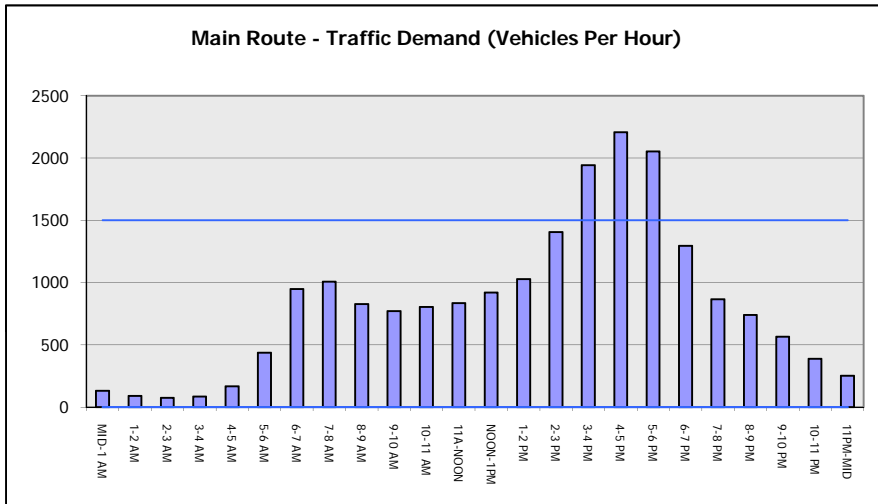
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$20,957
CONGESTED HOURS PER DAY*	1

*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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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

MON-THUR 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	93	0.0	11	0.0	1500	93	0	11	0.43	0	66.2	60.7	45.1	29.7	29.7
1-2 AM	64	0.0	8	0.0	1500	64	0	8	0.43	0	66.3	60.9	45.2	29.7	29.7
2-3 AM	82	0.0	10	0.0	1500	82	0	10	0.43	0	66.3	60.8	45.1	29.7	29.7
3-4 AM	155	0.0	19	0.0	1500	155	0	19	0.44	0	66.1	60.6	44.8	29.6	29.6
4-5 AM	425	0.0	53	0.0	1500	425	0	53	0.46	0	65.6	59.9	43.8	29.3	29.3
5-6 AM	1411	0.0	175	0.0	1499	1411	0	175	1.32	16	63.8	50.4	34.8	28.1	28.1
6-7 AM	2210	0.0	274	0.0	1500	1854	356	630	11.63	311	62.3	19.0	30.8	27.2	23.8
7-8 AM	2181	0.0	270	0.0	1499	1449	732	1002	15.89	404	62.3	15.2	30.8	27.3	20.3
8-9 AM	1434	0.0	178	0.0	1499	1286	148	325	10.15	252	63.7	21.0	30.8	28.1	26.7
9-10 AM	1016	0.0	126	0.0	1500	1016	0	126	1.31	28	64.5	51.0	40.5	28.6	28.6
10-11 AM	919	0.0	114	0.0	1500	919	0	114	0.51	0	64.6	58.6	42.0	28.8	28.8
11A-NOON	886	0.0	110	0.0	1500	886	0	110	0.51	0	64.7	58.7	42.1	28.8	28.8
NOON-1PM	875	0.0	109	0.0	1500	875	0	109	0.51	0	64.8	58.7	42.1	28.8	28.8
1-2 PM	897	0.0	111	0.0	1500	897	0	111	0.51	0	64.7	58.6	42.0	28.8	28.8
2-3 PM	960	0.0	119	0.0	1500	960	0	119	0.52	0	64.6	58.5	41.8	28.7	28.7
3-4 PM	1177	0.0	146	0.0	1500	1177	0	146	0.61	0	64.2	57.2	39.2	28.4	28.4
4-5 PM	1231	0.0	152	0.0	1500	1231	0	152	0.68	0	64.1	56.4	37.5	28.4	28.4
5-6 PM	1151	0.0	143	0.0	1500	1151	0	143	0.57	0	64.2	57.6	40.1	28.4	28.4
6-7 PM	814	0.0	100	0.0	1500	814	0	100	0.50	0	64.9	58.9	42.4	28.9	28.9
7-8 PM	538	0.0	67	0.0	1500	538	0	67	0.47	0	65.4	59.6	43.3	29.2	29.2
8-9 PM	441	0.0	55	0.0	1500	441	0	55	0.47	0	65.6	59.8	43.7	29.3	29.3
9-10 PM	360	0.0	45	0.0	1500	360	0	45	0.46	0	65.7	60.1	44.0	29.4	29.4
10-11 PM	265	0.0	32	0.0	1500	265	0	32	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	0.0166
MAIN ROUTE WITH WORKS	0.0144
DIVERSION	0.0307

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$18,616
CONGESTED HOURS PER DAY*	1

*Delays Exceeding 15 Minutes

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

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR NORTHBOUND DIRECTION

