

IH 43: CTH X TO STH 50 (WALWORTH COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH X - STH 96 - USH 45	OCTOBER
	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	85	0.0	51	0.0	1500	85	0	51	0.43	0	66.2	57.4	45.1	21.6	21.6
1-2 AM	69	0.0	42	0.0	1500	69	0	42	0.43	0	66.3	57.4	45.2	21.9	21.9
2-3 AM	78	0.0	47	0.0	1500	78	0	47	0.43	0	66.3	57.4	45.2	21.7	21.7
3-4 AM	74	0.0	45	0.0	1500	74	0	45	0.43	0	66.3	57.4	45.2	21.8	21.8
4-5 AM	127	0.0	76	0.0	1500	127	0	76	0.43	0	66.1	57.3	45.0	21.0	21.0
5-6 AM	300	0.0	181	0.0	1500	300	0	181	0.45	0	65.8	56.8	44.3	18.2	18.2
6-7 AM	508	0.0	308	0.0	1500	508	0	308	0.47	0	65.5	56.1	43.5	14.8	14.8
7-8 AM	531	0.0	321	0.0	1500	531	0	321	0.47	0	65.4	56.1	43.4	14.5	14.5
8-9 AM	514	0.0	312	0.0	1500	514	0	312	0.47	0	65.5	56.1	43.5	14.7	14.7
9-10 AM	588	0.0	356	0.0	1500	588	0	356	0.48	0	65.3	55.9	43.2	13.6	13.6
10-11 AM	617	0.0	374	0.0	1500	617	0	374	0.48	0	65.2	55.8	43.0	13.1	13.1
11A-NOON	668	0.0	404	0.0	1500	668	0	404	0.49	0	65.1	55.6	42.8	12.4	12.4
NOON-1PM	704	0.0	426	0.0	1500	704	0	426	0.49	0	65.1	55.5	42.7	12.0	12.0
1-2 PM	771	0.0	466	0.0	1500	771	0	466	0.50	0	65.0	55.3	42.5	11.6	11.6
2-3 PM	867	0.0	524	0.0	1500	867	0	524	0.51	0	64.8	55.1	42.2	10.7	10.7
3-4 PM	965	0.0	583	0.0	1500	965	0	583	0.52	0	64.6	54.8	41.8	9.9	9.9
4-5 PM	1021	0.0	617	0.0	1500	1021	0	617	0.52	0	64.5	54.6	41.6	9.4	9.4
5-6 PM	874	0.0	528	0.0	1500	874	0	528	0.51	0	64.8	55.0	42.1	10.7	10.7
6-7 PM	682	0.0	412	0.0	1500	682	0	412	0.49	0	65.1	55.6	42.8	12.2	12.2
7-8 PM	460	0.0	277	0.0	1500	460	0	277	0.47	0	65.5	56.3	43.7	15.6	15.6
8-9 PM	350	0.0	211	0.0	1500	350	0	211	0.46	0	65.7	56.6	44.1	17.4	17.4
9-10 PM	286	0.0	173	0.0	1500	286	0	173	0.45	0	65.8	56.8	44.3	18.4	18.4
10-11 PM	228	0.0	138	0.0	1500	228	0	138	0.44	0	66.0	56.9	44.6	19.3	19.3
11PM-MID	173	0.0	105	0.0	1500	173	0	105	0.44	0	66.1	57.1	44.8	20.2	20.2

----- 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	0.0057
MAIN ROUTE WITH WORKS	0.0049
DIVERSION	0.0268

PIA: Personal Injury Accidents

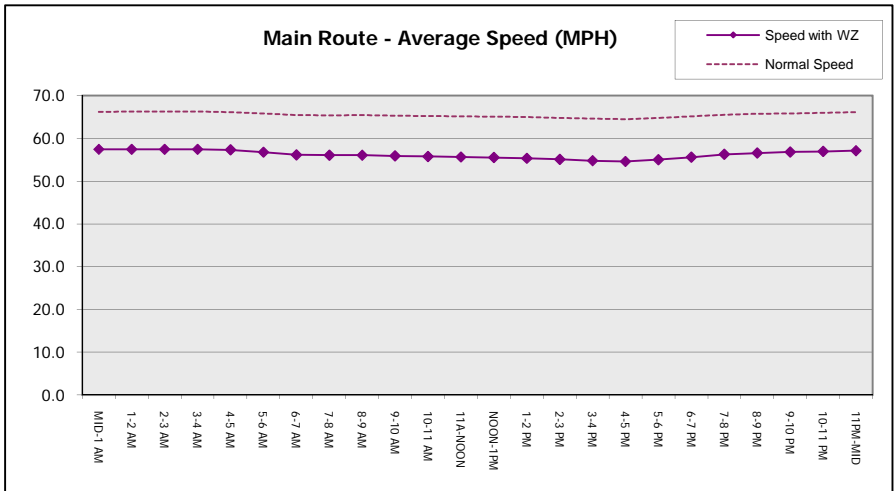
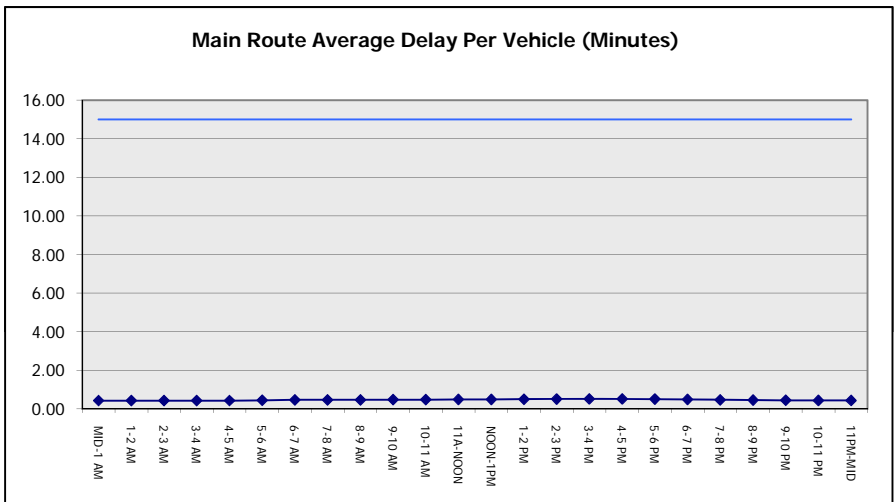
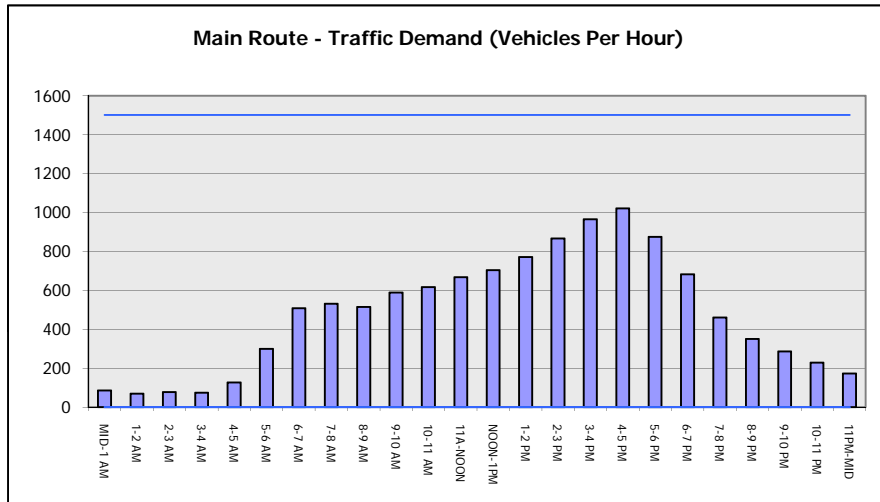
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,142
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: CTH X - STH 96 - USH 45

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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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		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	76	0.0	46	0.0	1500	76	0	46	0.43	0	66.3	57.4	45.2	21.7	21.7
1-2 AM	67	0.0	41	0.0	1500	67	0	41	0.43	0	66.3	57.5	45.2	21.9	21.9
2-3 AM	69	0.0	42	0.0	1500	69	0	42	0.43	0	66.3	57.4	45.2	21.9	21.9
3-4 AM	110	0.0	66	0.0	1500	110	0	66	0.43	0	66.2	57.3	45.0	21.2	21.2
4-5 AM	236	0.0	142	0.0	1500	236	0	142	0.45	0	66.0	56.9	44.5	19.3	19.3
5-6 AM	479	0.0	290	0.0	1500	479	0	290	0.47	0	65.5	56.2	43.6	15.3	15.3
6-7 AM	669	0.0	404	0.0	1500	669	0	404	0.49	0	65.1	55.6	42.8	12.4	12.4
7-8 AM	685	0.0	414	0.0	1500	685	0	414	0.49	0	65.1	55.6	42.8	12.2	12.2
8-9 AM	569	0.0	344	0.0	1500	569	0	344	0.48	0	65.3	56.0	43.2	13.9	13.9
9-10 AM	538	0.0	325	0.0	1500	538	0	325	0.47	0	65.4	56.0	43.3	14.4	14.4
10-11 AM	552	0.0	334	0.0	1500	552	0	334	0.48	0	65.3	56.0	43.3	14.2	14.2
11A-NOON	562	0.0	340	0.0	1500	562	0	340	0.48	0	65.3	56.0	43.3	14.0	14.0
NOON-1PM	598	0.0	361	0.0	1500	598	0	361	0.48	0	65.3	55.8	43.2	13.5	13.5
1-2 PM	654	0.0	396	0.0	1500	654	0	396	0.49	0	65.1	55.7	42.9	12.5	12.5
2-3 PM	736	0.0	445	0.0	1500	736	0	445	0.49	0	65.0	55.5	42.6	11.8	11.8
3-4 PM	836	0.0	505	0.0	1500	836	0	505	0.50	0	64.8	55.1	42.3	11.0	11.0
4-5 PM	852	0.0	516	0.0	1500	852	0	516	0.50	0	64.8	55.1	42.2	10.9	10.9
5-6 PM	763	0.0	461	0.0	1500	763	0	461	0.50	0	65.0	55.4	42.5	11.6	11.6
6-7 PM	600	0.0	362	0.0	1500	600	0	362	0.48	0	65.3	55.8	43.2	13.4	13.4
7-8 PM	419	0.0	253	0.0	1500	419	0	253	0.46	0	65.6	56.4	43.8	16.3	16.3
8-9 PM	319	0.0	193	0.0	1500	319	0	193	0.45	0	65.8	56.7	44.2	17.9	17.9
9-10 PM	270	0.0	163	0.0	1500	270	0	163	0.45	0	65.9	56.8	44.4	18.7	18.7
10-11 PM	190	0.0	115	0.0	1500	190	0	115	0.44	0	66.0	57.1	44.7	19.9	19.9
11PM-MID	130	0.0	78	0.0	1500	130	0	78	0.44	0	66.1	57.3	45.0	20.9	20.9

----- 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	0.0054
MAIN ROUTE WITH WORKS	0.0047
DIVERSION	0.0255

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,071
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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