

**IH 43: BOWERS RD TO STH 11 (WALWORTH COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 11 - BOWERS RD**

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		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	175	0.0	44	0.0	1500	175	0	44	0.44	0	66.1	60.1	44.8	38.9	38.9
1-2 AM	115	0.0	28	0.0	1500	115	0	28	0.43	0	66.2	60.3	45.0	39.0	39.0
2-3 AM	72	0.0	18	0.0	1500	72	0	18	0.43	0	66.3	60.4	45.2	39.1	39.1
3-4 AM	50	0.0	13	0.0	1500	50	0	13	0.43	0	66.3	60.5	45.3	39.1	39.1
4-5 AM	47	0.0	12	0.0	1500	47	0	12	0.43	0	66.3	60.5	45.3	39.1	39.1
5-6 AM	35	0.0	8	0.0	1500	35	0	8	0.43	0	66.3	60.5	45.3	39.1	39.1
6-7 AM	68	0.0	17	0.0	1500	68	0	17	0.43	0	66.3	60.4	45.2	39.1	39.1
7-8 AM	150	0.0	38	0.0	1500	150	0	38	0.44	0	66.1	60.2	44.9	38.9	38.9
8-9 AM	228	0.0	57	0.0	1500	228	0	57	0.44	0	66.0	60.0	44.6	38.9	38.9
9-10 AM	293	0.0	73	0.0	1500	293	0	73	0.45	0	65.8	59.8	44.3	38.8	38.8
10-11 AM	436	0.0	109	0.0	1500	436	0	109	0.46	0	65.6	59.4	43.8	38.7	38.7
11A-NOON	519	0.0	129	0.0	1500	519	0	129	0.47	0	65.4	59.2	43.4	38.6	38.6
NOON-1PM	590	0.0	147	0.0	1500	590	0	147	0.48	0	65.3	59.0	43.2	38.5	38.5
1-2 PM	637	0.0	158	0.0	1500	637	0	158	0.48	0	65.2	58.9	43.0	38.4	38.4
2-3 PM	671	0.0	166	0.0	1500	671	0	166	0.49	0	65.1	58.8	42.8	38.4	38.4
3-4 PM	696	0.0	173	0.0	1500	696	0	173	0.49	0	65.1	58.7	42.8	38.4	38.4
4-5 PM	737	0.0	183	0.0	1500	737	0	183	0.49	0	65.0	58.6	42.6	38.4	38.4
5-6 PM	643	0.0	160	0.0	1500	643	0	160	0.48	0	65.2	58.9	43.0	38.4	38.4
6-7 PM	647	0.0	161	0.0	1500	647	0	161	0.49	0	65.2	58.9	43.0	38.4	38.4
7-8 PM	521	0.0	130	0.0	1500	521	0	130	0.47	0	65.4	59.2	43.4	38.6	38.6
8-9 PM	381	0.0	94	0.0	1500	381	0	94	0.46	0	65.7	59.6	44.0	38.8	38.8
9-10 PM	257	0.0	64	0.0	1500	257	0	64	0.45	0	65.9	59.9	44.5	38.9	38.9
10-11 PM	215	0.0	53	0.0	1500	215	0	53	0.44	0	66.0	60.0	44.6	38.9	38.9
11PM-MID	146	0.0	37	0.0	1500	146	0	37	0.44	0	66.1	60.2	44.9	39.0	39.0

----- 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	0.0065
MAIN ROUTE WITH WORKS	0.0060
DIVERSION	0.0203

PIA: Personal Injury Accidents

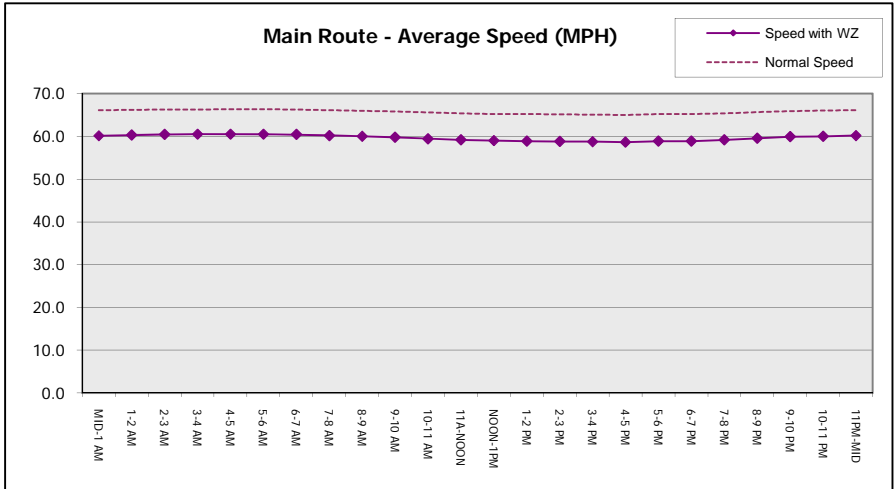
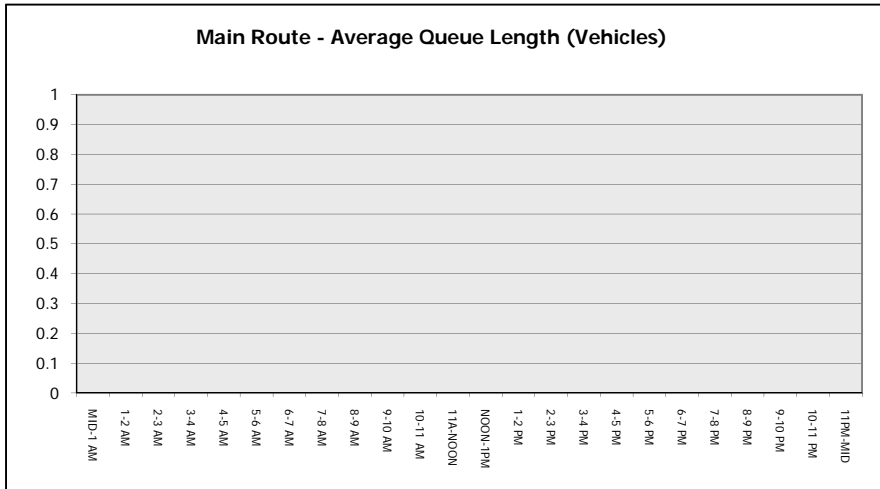
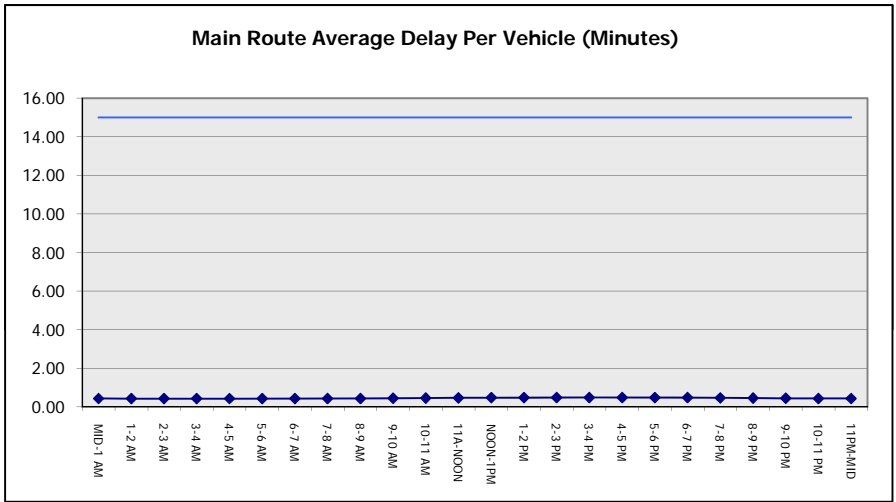
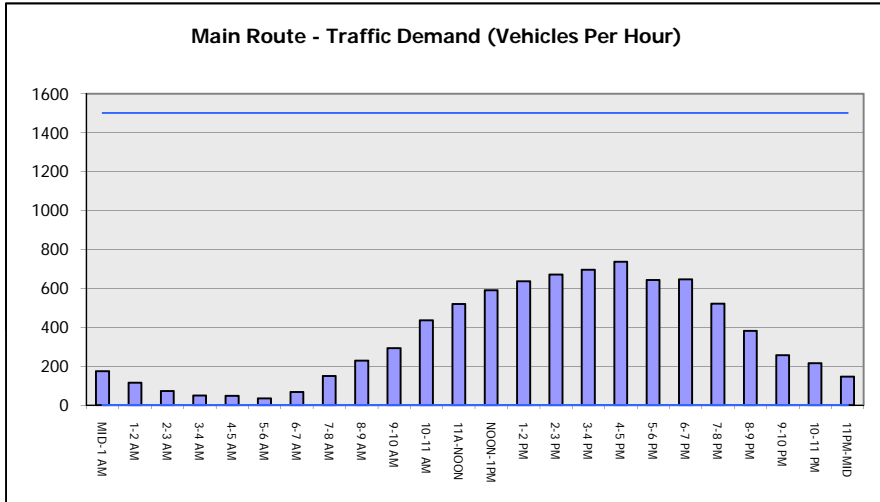
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,003
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 11 - BOWERS RD

OCTOBER
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



IH 43: BOWERS RD TO STH 11 (WALWORTH COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 11 - BOWERS RD	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	178	0.0	44	0.0	1500	178	0	44	0.44	0	66.1	60.1	44.8	38.9	38.9
1-2 AM	103	0.0	25	0.0	1500	103	0	25	0.43	0	66.2	60.3	45.1	39.0	39.0
2-3 AM	68	0.0	17	0.0	1500	68	0	17	0.43	0	66.3	60.4	45.2	39.1	39.1
3-4 AM	40	0.0	10	0.0	1500	40	0	10	0.43	0	66.3	60.5	45.3	39.1	39.1
4-5 AM	52	0.0	13	0.0	1500	52	0	13	0.43	0	66.3	60.5	45.3	39.1	39.1
5-6 AM	51	0.0	13	0.0	1500	51	0	13	0.43	0	66.3	60.5	45.3	39.1	39.1
6-7 AM	83	0.0	21	0.0	1500	83	0	21	0.43	0	66.2	60.4	45.1	39.1	39.1
7-8 AM	125	0.0	31	0.0	1500	125	0	31	0.43	0	66.1	60.2	45.0	39.0	39.0
8-9 AM	190	0.0	47	0.0	1500	190	0	47	0.44	0	66.0	60.1	44.7	38.9	38.9
9-10 AM	293	0.0	73	0.0	1500	293	0	73	0.45	0	65.8	59.8	44.3	38.8	38.8
10-11 AM	417	0.0	104	0.0	1500	417	0	104	0.46	0	65.6	59.5	43.8	38.7	38.7
11A-NOON	568	0.0	141	0.0	1500	568	0	141	0.48	0	65.3	59.1	43.2	38.5	38.5
NOON-1PM	758	0.0	188	0.0	1500	758	0	188	0.50	0	65.0	58.6	42.5	38.3	38.3
1-2 PM	746	0.0	185	0.0	1500	746	0	185	0.49	0	65.0	58.6	42.6	38.4	38.4
2-3 PM	798	0.0	198	0.0	1500	798	0	198	0.50	0	64.9	58.4	42.4	38.3	38.3
3-4 PM	714	0.0	177	0.0	1500	714	0	177	0.49	0	65.1	58.7	42.7	38.4	38.4
4-5 PM	673	0.0	167	0.0	1500	673	0	167	0.49	0	65.1	58.8	42.8	38.4	38.4
5-6 PM	681	0.0	170	0.0	1500	681	0	170	0.49	0	65.1	58.7	42.8	38.4	38.4
6-7 PM	785	0.0	195	0.0	1500	785	0	195	0.50	0	64.9	58.5	42.4	38.3	38.3
7-8 PM	649	0.0	161	0.0	1500	649	0	161	0.49	0	65.2	58.9	43.0	38.4	38.4
8-9 PM	515	0.0	128	0.0	1500	515	0	128	0.47	0	65.5	59.2	43.5	38.6	38.6
9-10 PM	403	0.0	100	0.0	1500	403	0	100	0.46	0	65.6	59.5	43.9	38.7	38.7
10-11 PM	320	0.0	80	0.0	1500	320	0	80	0.45	0	65.8	59.7	44.2	38.8	38.8
11PM-MID	214	0.0	53	0.0	1500	214	0	53	0.44	0	66.0	60.0	44.6	38.9	38.9

----- 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	0.0074
MAIN ROUTE WITH WORKS	0.0067
DIVERSION	0.0229

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,153
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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SUNDAY NORTHBOUND DIRECTION

