

**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

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	165	0.0	41	0.0	1500	165	0	41	0.44	0	66.1	60.2	44.8	38.9	38.9
1-2 AM	99	0.0	24	0.0	1500	99	0	24	0.43	0	66.2	60.4	45.1	39.0	39.0
2-3 AM	63	0.0	16	0.0	1500	63	0	16	0.43	0	66.3	60.4	45.3	39.1	39.1
3-4 AM	47	0.0	12	0.0	1500	47	0	12	0.43	0	66.3	60.5	45.3	39.1	39.1
4-5 AM	51	0.0	13	0.0	1500	51	0	13	0.43	0	66.3	60.5	45.3	39.1	39.1
5-6 AM	111	0.0	27	0.0	1500	111	0	27	0.43	0	66.2	60.3	45.0	39.0	39.0
6-7 AM	220	0.0	54	0.0	1500	220	0	54	0.44	0	66.0	60.0	44.6	38.9	38.9
7-8 AM	506	0.0	126	0.0	1500	506	0	126	0.47	0	65.5	59.2	43.5	38.6	38.6
8-9 AM	774	0.0	193	0.0	1500	774	0	193	0.50	0	65.0	58.5	42.5	38.3	38.3
9-10 AM	654	0.0	162	0.0	1500	654	0	162	0.49	0	65.1	58.8	42.9	38.4	38.4
10-11 AM	568	0.0	141	0.0	1500	568	0	141	0.48	0	65.3	59.1	43.2	38.5	38.5
11A-NOON	570	0.0	141	0.0	1500	570	0	141	0.48	0	65.3	59.1	43.2	38.5	38.5
NOON-1PM	579	0.0	143	0.0	1500	579	0	143	0.48	0	65.3	59.1	43.2	38.5	38.5
1-2 PM	672	0.0	166	0.0	1500	672	0	166	0.49	0	65.1	58.8	42.8	38.4	38.4
2-3 PM	706	0.0	176	0.0	1500	706	0	176	0.49	0	65.1	58.7	42.7	38.4	38.4
3-4 PM	880	0.0	219	0.0	1500	880	0	219	0.51	0	64.8	58.2	42.1	38.2	38.2
4-5 PM	934	0.0	231	0.0	1500	934	0	231	0.51	0	64.6	58.1	41.9	38.1	38.1
5-6 PM	972	0.0	242	0.0	1500	972	0	242	0.52	0	64.6	58.0	41.8	38.1	38.1
6-7 PM	1026	0.0	254	0.0	1500	1026	0	254	0.52	0	64.5	57.9	41.6	38.1	38.1
7-8 PM	768	0.0	190	0.0	1500	768	0	190	0.50	0	65.0	58.6	42.5	38.3	38.3
8-9 PM	492	0.0	122	0.0	1500	492	0	122	0.47	0	65.5	59.2	43.5	38.6	38.6
9-10 PM	339	0.0	84	0.0	1500	339	0	84	0.46	0	65.8	59.7	44.2	38.8	38.8
10-11 PM	301	0.0	74	0.0	1500	301	0	74	0.45	0	65.8	59.8	44.3	38.8	38.8
11PM-MID	251	0.0	63	0.0	1500	251	0	63	0.45	0	65.9	59.9	44.5	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	0.0092
MAIN ROUTE WITH WORKS	0.0084
DIVERSION	0.0285

PIA: Personal Injury Accidents

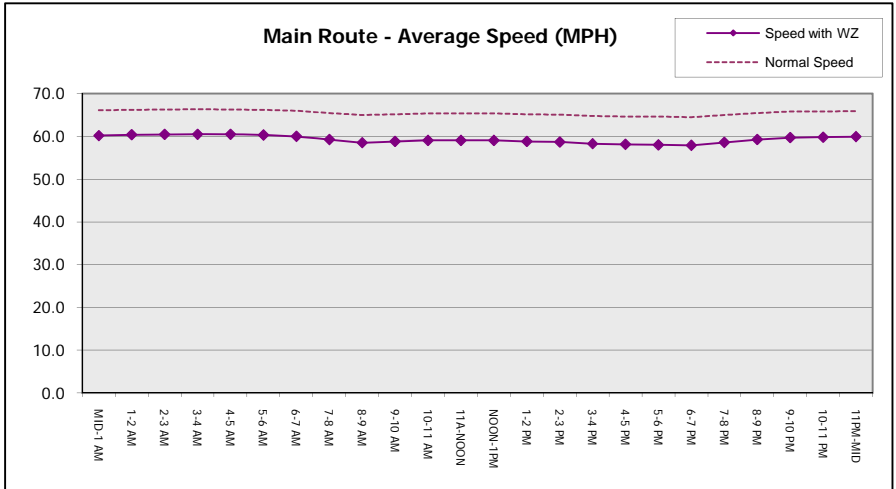
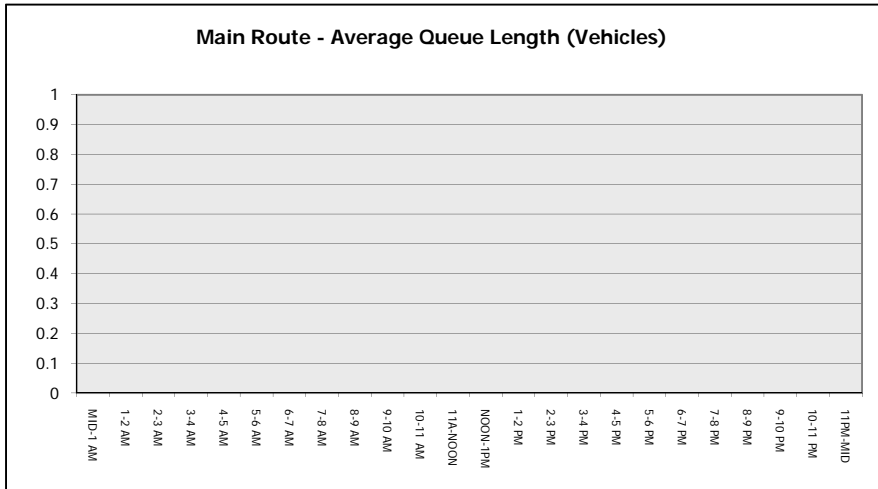
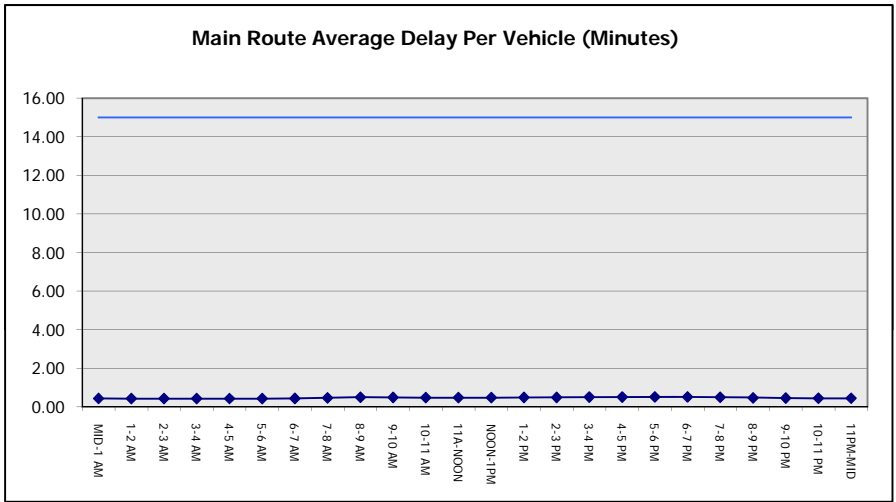
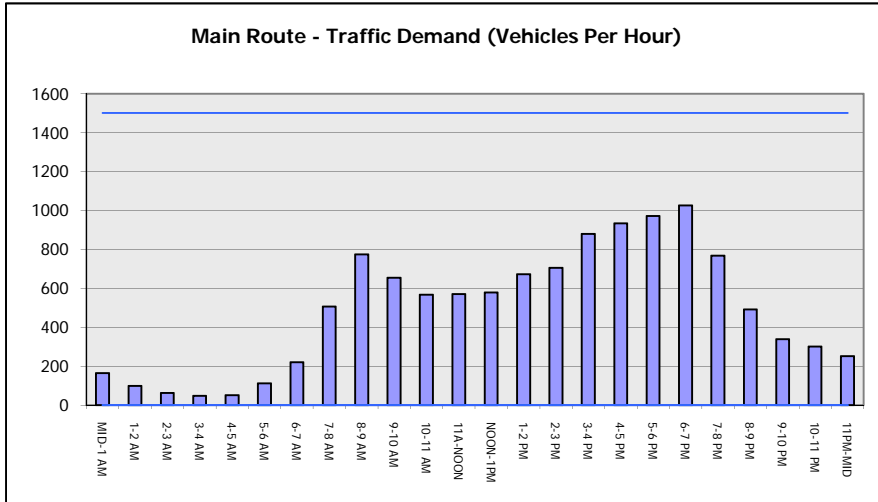
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,184
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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

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		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	173	0.0	43	0.0	1500	173	0	43	0.44	0	66.1	60.1	44.8	38.9	38.9
1-2 AM	87	0.0	22	0.0	1500	87	0	22	0.43	0	66.2	60.4	45.1	39.1	39.1
2-3 AM	85	0.0	21	0.0	1500	85	0	21	0.43	0	66.2	60.4	45.1	39.1	39.1
3-4 AM	121	0.0	30	0.0	1500	121	0	30	0.43	0	66.1	60.3	45.0	39.0	39.0
4-5 AM	134	0.0	33	0.0	1500	134	0	33	0.44	0	66.1	60.2	45.0	39.0	39.0
5-6 AM	227	0.0	57	0.0	1500	227	0	57	0.44	0	66.0	60.0	44.6	38.9	38.9
6-7 AM	481	0.0	119	0.0	1500	481	0	119	0.47	0	65.5	59.3	43.6	38.6	38.6
7-8 AM	761	0.0	188	0.0	1500	761	0	188	0.50	0	65.0	58.6	42.5	38.3	38.3
8-9 AM	853	0.0	211	0.0	1500	853	0	211	0.51	0	64.8	58.3	42.2	38.3	38.3
9-10 AM	696	0.0	173	0.0	1500	696	0	173	0.49	0	65.1	58.7	42.8	38.4	38.4
10-11 AM	716	0.0	178	0.0	1500	716	0	178	0.49	0	65.1	58.7	42.7	38.4	38.4
11A-NOON	793	0.0	197	0.0	1500	793	0	197	0.50	0	64.9	58.4	42.4	38.3	38.3
NOON-1PM	712	0.0	177	0.0	1500	712	0	177	0.49	0	65.1	58.7	42.7	38.4	38.4
1-2 PM	828	0.0	205	0.0	1500	828	0	205	0.50	0	64.8	58.4	42.3	38.3	38.3
2-3 PM	845	0.0	209	0.0	1500	845	0	209	0.50	0	64.8	58.3	42.2	38.3	38.3
3-4 PM	933	0.0	231	0.0	1500	933	0	231	0.51	0	64.6	58.1	41.9	38.1	38.1
4-5 PM	988	0.0	245	0.0	1500	988	0	245	0.52	0	64.5	57.9	41.7	38.1	38.1
5-6 PM	1034	0.0	256	0.0	1500	1034	0	256	0.52	0	64.5	57.8	41.5	38.1	38.1
6-7 PM	993	0.0	247	0.0	1500	993	0	247	0.52	0	64.5	57.9	41.7	38.1	38.1
7-8 PM	748	0.0	186	0.0	1500	748	0	186	0.49	0	65.0	58.6	42.6	38.3	38.3
8-9 PM	506	0.0	126	0.0	1500	506	0	126	0.47	0	65.5	59.2	43.5	38.6	38.6
9-10 PM	435	0.0	108	0.0	1500	435	0	108	0.46	0	65.6	59.4	43.8	38.7	38.7
10-11 PM	297	0.0	74	0.0	1500	297	0	74	0.45	0	65.8	59.8	44.3	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	0.0107
MAIN ROUTE WITH WORKS	0.0098
DIVERSION	0.0332

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,389
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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FRIDAY NORTHBOUND DIRECTION

