

IH 43: STH 28 TO STH 57 (OZAUKEE AND SHEBOYGAN COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 84 - CTH LL	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	122	0.0	8	0.0	1500	122	0	8	0.43	0	66.1	61.8	45.0	24.8	24.8
1-2 AM	82	0.0	5	0.0	1500	82	0	5	0.43	0	66.3	61.9	45.1	24.8	24.8
2-3 AM	57	0.0	4	0.0	1500	57	0	4	0.43	0	66.3	62.0	45.3	24.8	24.8
3-4 AM	62	0.0	4	0.0	1500	62	0	4	0.43	0	66.3	62.0	45.3	24.8	24.8
4-5 AM	84	0.0	6	0.0	1500	84	0	6	0.43	0	66.2	61.9	45.1	24.8	24.8
5-6 AM	120	0.0	8	0.0	1500	120	0	8	0.43	0	66.1	61.8	45.0	24.8	24.8
6-7 AM	185	0.0	12	0.0	1500	185	0	12	0.44	0	66.0	61.7	44.7	24.7	24.7
7-8 AM	283	0.0	19	0.0	1500	283	0	19	0.45	0	65.9	61.4	44.3	24.7	24.7
8-9 AM	478	0.0	32	0.0	1500	478	0	32	0.47	0	65.5	60.9	43.6	24.6	24.6
9-10 AM	667	0.0	45	0.0	1500	667	0	45	0.49	0	65.1	60.4	42.8	24.5	24.5
10-11 AM	984	0.0	66	0.0	1500	984	0	66	0.52	0	64.5	59.7	41.7	24.3	24.3
11A-NOON	1282	0.0	86	0.0	1500	1282	0	86	0.74	0	64.0	57.3	36.0	24.2	24.2
NOON-1PM	1426	0.0	96	0.0	1499	1426	0	96	0.93	0	63.7	55.6	32.4	24.1	24.1
1-2 PM	1532	0.0	103	0.0	1499	1532	0	103	1.40	10	63.5	52.2	30.8	24.0	24.0
2-3 PM	1601	0.0	107	0.0	1500	1601	0	107	3.70	74	63.4	40.2	30.8	24.0	24.0
3-4 PM	1761	0.0	118	0.0	1500	1696	66	184	9.75	244	63.1	25.2	30.8	23.9	23.4
4-5 PM	1847	0.0	125	0.0	1499	1512	335	459	13.50	338	63.0	20.4	30.8	23.9	21.3
5-6 PM	1720	0.0	115	0.0	1499	1468	252	367	12.88	321	63.2	21.1	30.8	24.0	22.0
6-7 PM	1519	0.0	102	0.0	1500	1439	80	182	11.55	284	63.5	22.7	30.8	24.0	23.4
7-8 PM	925	0.0	62	0.0	1499	925	0	62	2.25	65	64.6	47.6	39.9	24.3	24.3
8-9 PM	640	0.0	43	0.0	1500	640	0	43	0.48	0	65.2	60.5	43.0	24.5	24.5
9-10 PM	419	0.0	28	0.0	1500	419	0	28	0.46	0	65.6	61.0	43.8	24.7	24.7
10-11 PM	222	0.0	15	0.0	1500	222	0	15	0.44	0	66.0	61.5	44.6	24.7	24.7
11PM-MID	209	0.0	14	0.0	1500	209	0	14	0.44	0	66.0	61.6	44.6	24.7	24.7

----- 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	0.0197
MAIN ROUTE WITH WORKS	0.0178
DIVERSION	0.0163

PIA: Personal Injury Accidents

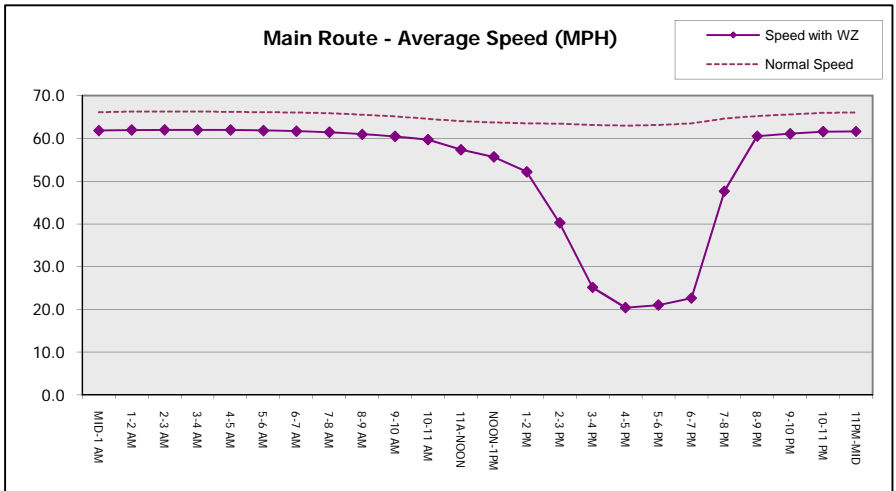
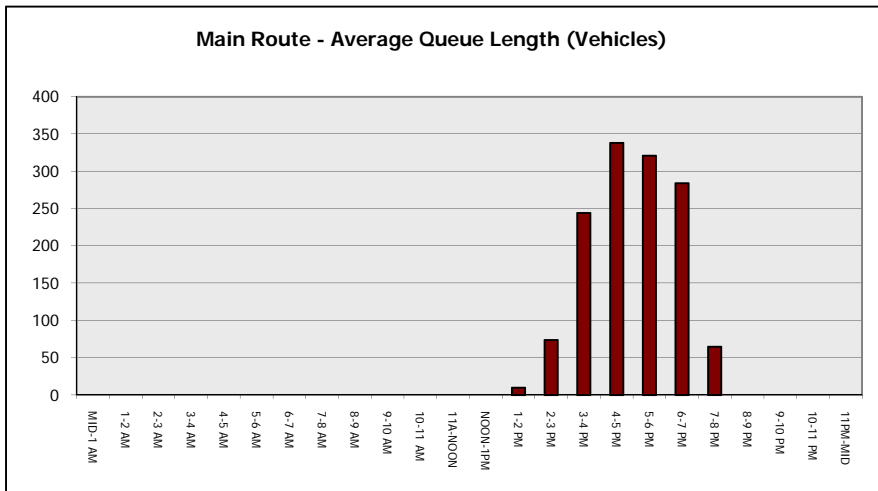
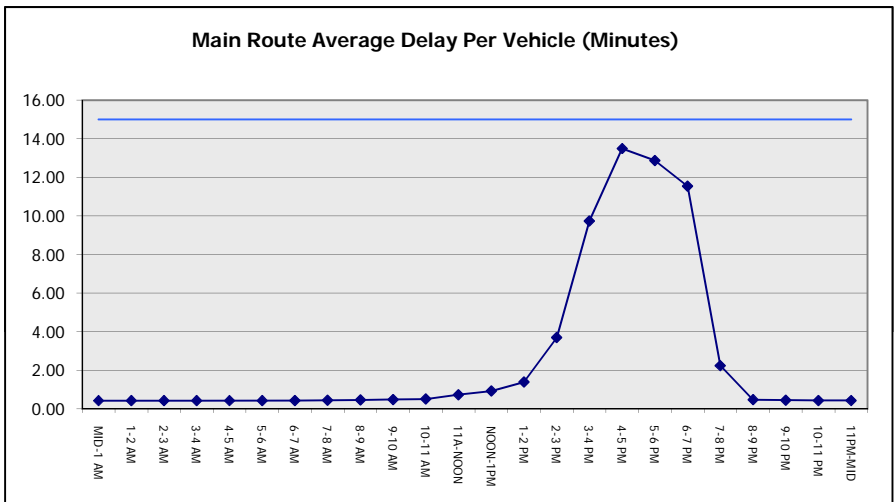
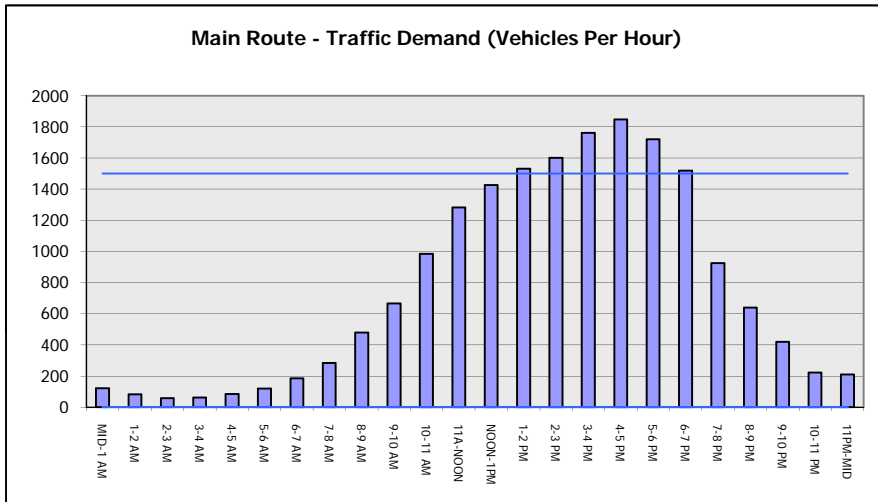
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$27,092
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: STH 84 - CTH LL**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



IH 43: STH 28 TO STH 57 (OZAUKEE AND SHEBOYGAN COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 84 - CTH LL	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	148	0.0	10	0.0	1500	148	0	10	0.44	0	66.1	61.7	44.9	24.8	24.8
1-2 AM	89	0.0	6	0.0	1500	89	0	6	0.43	0	66.2	61.9	45.1	24.8	24.8
2-3 AM	54	0.0	3	0.0	1500	54	0	3	0.43	0	66.3	62.0	45.3	24.8	24.8
3-4 AM	58	0.0	4	0.0	1500	58	0	4	0.43	0	66.3	62.0	45.3	24.8	24.8
4-5 AM	57	0.0	4	0.0	1500	57	0	4	0.43	0	66.3	62.0	45.3	24.8	24.8
5-6 AM	95	0.0	6	0.0	1500	95	0	6	0.43	0	66.2	61.9	45.1	24.8	24.8
6-7 AM	166	0.0	11	0.0	1500	166	0	11	0.44	0	66.1	61.7	44.8	24.8	24.8
7-8 AM	396	0.0	27	0.0	1500	396	0	27	0.46	0	65.6	61.1	43.9	24.7	24.7
8-9 AM	690	0.0	46	0.0	1500	690	0	46	0.49	0	65.1	60.4	42.8	24.5	24.5
9-10 AM	753	0.0	50	0.0	1500	753	0	50	0.50	0	65.0	60.2	42.5	24.5	24.5
10-11 AM	802	0.0	54	0.0	1500	802	0	54	0.50	0	64.9	60.1	42.4	24.4	24.4
11A-NOON	932	0.0	63	0.0	1500	932	0	63	0.51	0	64.6	59.8	41.9	24.3	24.3
NOON-1PM	1007	0.0	68	0.0	1500	1007	0	68	0.52	0	64.5	59.6	41.7	24.3	24.3
1-2 PM	1009	0.0	68	0.0	1500	1009	0	68	0.52	0	64.5	59.6	41.7	24.3	24.3
2-3 PM	1069	0.0	72	0.0	1500	1069	0	72	0.53	0	64.4	59.4	41.4	24.3	24.3
3-4 PM	1146	0.0	77	0.0	1500	1146	0	77	0.57	0	64.3	59.0	40.2	24.2	24.2
4-5 PM	1030	0.0	69	0.0	1500	1030	0	69	0.52	0	64.5	59.6	41.5	24.3	24.3
5-6 PM	880	0.0	59	0.0	1500	880	0	59	0.51	0	64.8	59.9	42.1	24.4	24.4
6-7 PM	721	0.0	48	0.0	1500	721	0	48	0.49	0	65.0	60.3	42.7	24.5	24.5
7-8 PM	616	0.0	41	0.0	1500	616	0	41	0.48	0	65.3	60.5	43.1	24.5	24.5
8-9 PM	417	0.0	28	0.0	1500	417	0	28	0.46	0	65.6	61.0	43.8	24.7	24.7
9-10 PM	284	0.0	20	0.0	1500	284	0	20	0.45	0	65.8	61.4	44.3	24.7	24.7
10-11 PM	216	0.0	14	0.0	1500	216	0	14	0.44	0	66.0	61.5	44.6	24.7	24.7
11PM-MID	144	0.0	9	0.0	1500	144	0	9	0.44	0	66.1	61.7	44.9	24.8	24.8

----- 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	0.0138
MAIN ROUTE WITH WORKS	0.0130
DIVERSION	0.0072

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,810
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 DIVERSION ROUTE: STH 84 - CTH LL**

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SUNDAY NORTHBOUND DIRECTION

