

**IH 43: STH 32 TO STH 57/167 (OZAUKEE COUNTY)  
NIGHTTIME CLOSURE  
DIVERSION ROUTE: CTH C - CTH W - STH 60**

**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	144	0.0	17	0.0	1500	144	0	17	0.44	0	66.1	56.4	44.9	19.7	19.7
1-2 AM	118	0.0	14	0.0	1500	118	0	14	0.43	0	66.1	56.5	45.0	19.8	19.8
2-3 AM	102	0.0	12	0.0	1500	102	0	12	0.43	0	66.2	56.6	45.1	19.8	19.8
3-4 AM	165	0.0	20	0.0	1500	165	0	20	0.44	0	66.1	56.4	44.8	19.7	19.7
4-5 AM	321	0.0	38	0.0	1500	321	0	38	0.45	0	65.8	55.9	44.2	19.6	19.6
5-6 AM	1078	0.0	129	0.0	OFF	1078	0	129	0.00	0	64.4	64.4	64.4	19.1	19.1
6-7 AM	2352	0.0	280	0.0	OFF	2352	0	280	0.00	0	62.0	62.0	62.0	18.1	18.1
7-8 AM	2922	0.0	348	0.0	OFF	2922	0	348	0.00	0	56.6	56.6	56.6	17.7	17.7
8-9 AM	2005	0.0	239	0.0	OFF	2005	0	239	0.00	0	62.7	62.7	62.7	18.4	18.4
9-10 AM	1464	0.0	174	0.0	OFF	1464	0	174	0.00	0	63.7	63.7	63.7	18.8	18.8
10-11 AM	1393	0.0	166	0.0	OFF	1393	0	166	0.00	0	63.8	63.8	63.8	18.8	18.8
11A-NOON	1463	0.0	174	0.0	OFF	1463	0	174	0.00	0	63.7	63.7	63.7	18.8	18.8
NOON-1PM	1519	0.0	181	0.0	OFF	1519	0	181	0.00	0	63.5	63.5	63.5	18.8	18.8
1-2 PM	1548	0.0	184	0.0	OFF	1548	0	184	0.00	0	63.5	63.5	63.5	18.8	18.8
2-3 PM	1671	0.0	199	0.0	OFF	1671	0	199	0.00	0	63.3	63.3	63.3	18.6	18.6
3-4 PM	1751	0.0	208	0.0	OFF	1751	0	208	0.00	0	63.1	63.1	63.1	18.6	18.6
4-5 PM	1703	0.0	203	0.0	OFF	1703	0	203	0.00	0	63.2	63.2	63.2	18.6	18.6
5-6 PM	1892	0.0	225	0.0	OFF	1892	0	225	0.00	0	62.8	62.8	62.8	18.4	18.4
6-7 PM	1443	0.0	172	0.0	OFF	1443	0	172	0.00	0	63.7	63.7	63.7	18.8	18.8
7-8 PM	1038	0.0	123	0.0	1500	1038	0	123	0.52	0	64.5	53.7	41.5	19.1	19.1
8-9 PM	744	0.0	88	0.0	1500	744	0	88	0.49	0	65.0	54.6	42.6	19.3	19.3
9-10 PM	614	0.0	73	0.0	1500	614	0	73	0.48	0	65.3	55.0	43.1	19.4	19.4
10-11 PM	557	0.0	66	0.0	1500	557	0	66	0.48	0	65.3	55.1	43.3	19.4	19.4
11PM-MID	370	0.0	44	0.0	1500	370	0	44	0.46	0	65.7	55.7	44.0	19.6	19.6

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0127
MAIN ROUTE WITH WORKS	0.0124
DIVERSION	0.0127

PIA: Personal Injury Accidents

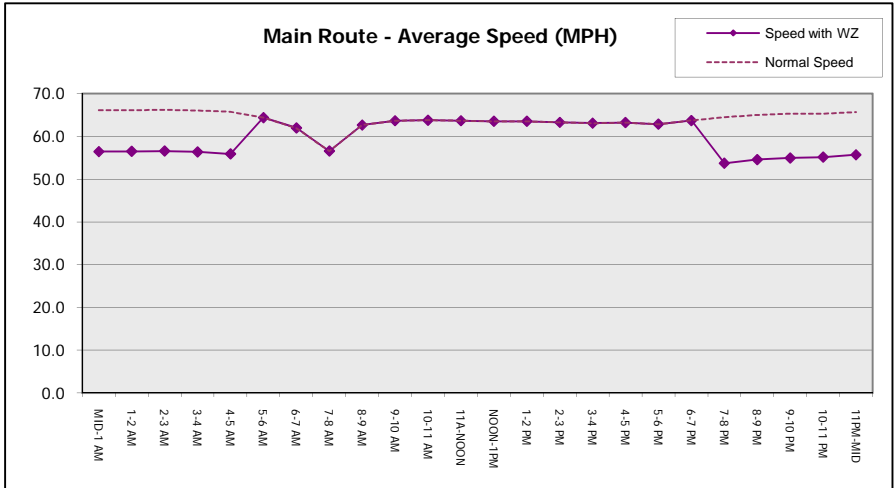
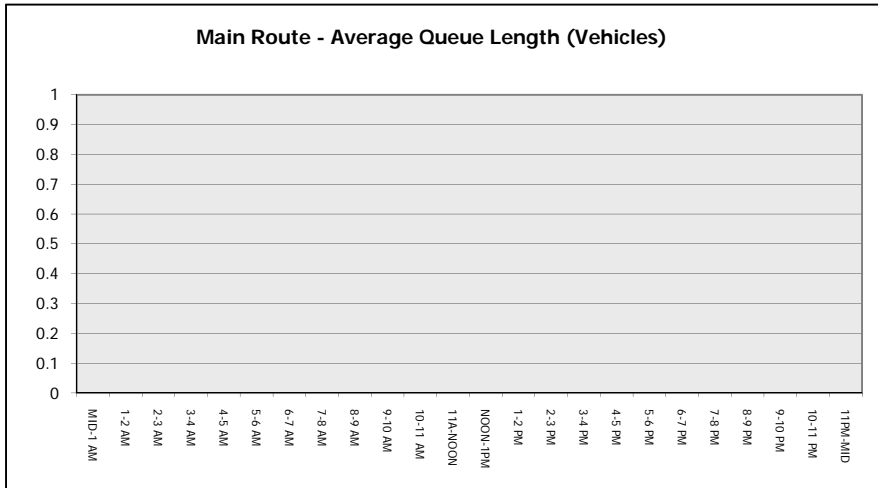
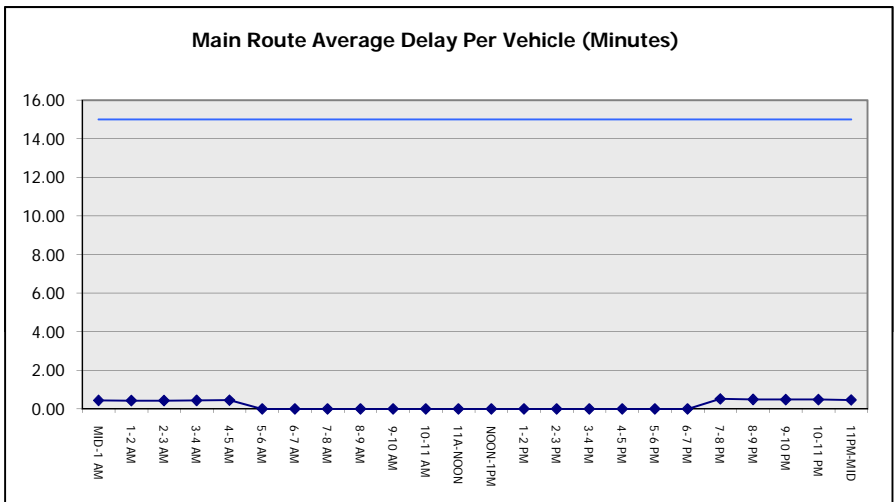
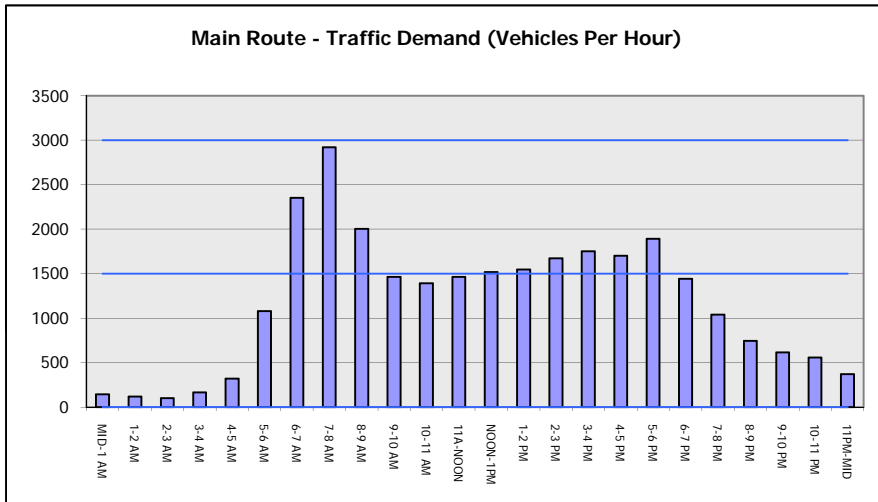
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$481
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 43: STH 32 TO STH 57/167 (OZAUKEE COUNTY)**  
**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: CTH C - CTH W - STH 60**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY SOUTHBOUND DIRECTION**



<b>IH 43: STH 32 TO STH 57/167 (OZAUKEE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: CTH C - CTH W - STH 60</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
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	271	0.0	32	0.0	1500	271	0	32	0.45	0	65.9	56.0	44.4	19.7	19.7
1-2 AM	169	0.0	20	0.0	1500	169	0	20	0.44	0	66.1	56.3	44.8	19.7	19.7
2-3 AM	150	0.0	17	0.0	1500	150	0	17	0.44	0	66.1	56.4	44.9	19.7	19.7
3-4 AM	161	0.0	20	0.0	1500	161	0	20	0.44	0	66.1	56.4	44.8	19.7	19.7
4-5 AM	203	0.0	24	0.0	1500	203	0	24	0.44	0	66.0	56.3	44.6	19.7	19.7
5-6 AM	454	0.0	54	0.0	OFF	454	0	54	0.00	0	65.5	65.5	65.5	19.6	19.6
6-7 AM	1068	0.0	128	0.0	OFF	1068	0	128	0.00	0	64.4	64.4	64.4	19.1	19.1
7-8 AM	1331	0.0	158	0.0	OFF	1331	0	158	0.00	0	63.9	63.9	63.9	18.9	18.9
8-9 AM	1313	0.0	156	0.0	OFF	1313	0	156	0.00	0	64.0	64.0	64.0	18.9	18.9
9-10 AM	1405	0.0	167	0.0	OFF	1405	0	167	0.00	0	63.8	63.8	63.8	18.8	18.8
10-11 AM	1672	0.0	199	0.0	OFF	1672	0	199	0.00	0	63.3	63.3	63.3	18.6	18.6
11A-NOON	1985	0.0	236	0.0	OFF	1985	0	236	0.00	0	62.7	62.7	62.7	18.4	18.4
NOON-1PM	2096	0.0	249	0.0	OFF	2096	0	249	0.00	0	62.5	62.5	62.5	18.3	18.3
1-2 PM	2200	0.0	261	0.0	OFF	2200	0	261	0.00	0	62.3	62.3	62.3	18.3	18.3
2-3 PM	2659	0.0	316	0.0	OFF	2659	0	316	0.00	0	59.2	59.2	59.2	17.9	17.9
3-4 PM	3071	0.0	365	0.0	OFF	3071	0	365	0.00	0	55.0	55.0	55.0	17.6	17.6
4-5 PM	3340	0.0	397	0.0	OFF	3340	0	397	0.00	0	52.3	52.3	52.3	17.4	17.4
5-6 PM	3319	0.0	395	0.0	OFF	3319	0	395	0.00	0	52.5	52.5	52.5	17.4	17.4
6-7 PM	2624	0.0	312	0.0	OFF	2624	0	312	0.00	0	59.6	59.6	59.6	17.9	17.9
7-8 PM	1697	0.0	202	0.0	1499	1682	16	218	5.65	134	63.2	20.2	30.8	18.6	18.5
8-9 PM	1381	0.0	165	0.0	1499	1380	2	166	5.91	137	63.8	19.7	31.3	18.9	18.8
9-10 PM	1164	0.0	139	0.0	1500	1164	0	139	0.79	6	64.2	49.3	39.2	19.0	19.0
10-11 PM	908	0.0	108	0.0	1500	908	0	108	0.51	0	64.7	54.1	42.0	19.2	19.2
11PM-MID	532	0.0	63	0.0	1500	532	0	63	0.47	0	65.4	55.2	43.4	19.5	19.5

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0157
MAIN ROUTE WITH WORKS	0.0152
DIVERSION	0.0158

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$4,740
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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NIGHTTIME CLOSURE  
DIVERSION ROUTE: CTH C - CTH W - STH 60**

**OCTOBER**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY NORTHBOUND DIRECTION**

