

**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
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	75	0.0	5	0.0	1500	75	0	5	0.43	0	66.3	61.9	45.2	24.8	24.8
1-2 AM	65	0.0	4	0.0	1500	65	0	4	0.43	0	66.3	62.0	45.2	24.8	24.8
2-3 AM	60	0.0	4	0.0	1500	60	0	4	0.43	0	66.3	62.0	45.3	24.8	24.8
3-4 AM	99	0.0	6	0.0	1500	99	0	6	0.43	0	66.2	61.9	45.1	24.8	24.8
4-5 AM	206	0.0	13	0.0	1500	206	0	13	0.44	0	66.0	61.6	44.6	24.7	24.7
5-6 AM	472	0.0	32	0.0	1500	472	0	32	0.47	0	65.5	60.9	43.6	24.6	24.6
6-7 AM	864	0.0	58	0.0	1500	864	0	58	0.51	0	64.8	59.9	42.2	24.4	24.4
7-8 AM	903	0.0	61	0.0	1500	903	0	61	0.51	0	64.7	59.9	42.0	24.3	24.3
8-9 AM	764	0.0	51	0.0	1500	764	0	51	0.50	0	65.0	60.2	42.5	24.5	24.5
9-10 AM	778	0.0	52	0.0	1500	778	0	52	0.50	0	65.0	60.2	42.5	24.5	24.5
10-11 AM	763	0.0	51	0.0	1500	763	0	51	0.50	0	65.0	60.2	42.5	24.5	24.5
11A-NOON	865	0.0	58	0.0	1500	865	0	58	0.51	0	64.8	59.9	42.2	24.4	24.4
NOON-1PM	933	0.0	63	0.0	1500	933	0	63	0.51	0	64.6	59.8	41.9	24.3	24.3
1-2 PM	974	0.0	66	0.0	1500	974	0	66	0.52	0	64.6	59.7	41.8	24.3	24.3
2-3 PM	996	0.0	67	0.0	1500	996	0	67	0.52	0	64.5	59.6	41.7	24.3	24.3
3-4 PM	1027	0.0	69	0.0	1500	1027	0	69	0.52	0	64.5	59.6	41.6	24.3	24.3
4-5 PM	1104	0.0	74	0.0	1500	1104	0	74	0.53	0	64.3	59.4	41.3	24.3	24.3
5-6 PM	1102	0.0	74	0.0	1500	1102	0	74	0.53	0	64.3	59.4	41.3	24.3	24.3
6-7 PM	811	0.0	55	0.0	1500	811	0	55	0.50	0	64.9	60.1	42.4	24.4	24.4
7-8 PM	529	0.0	36	0.0	1500	529	0	36	0.47	0	65.4	60.8	43.4	24.6	24.6
8-9 PM	397	0.0	27	0.0	1500	397	0	27	0.46	0	65.6	61.1	43.9	24.7	24.7
9-10 PM	295	0.0	20	0.0	1500	295	0	20	0.45	0	65.8	61.4	44.3	24.7	24.7
10-11 PM	241	0.0	16	0.0	1500	241	0	16	0.45	0	66.0	61.5	44.5	24.7	24.7
11PM-MID	154	0.0	10	0.0	1500	154	0	10	0.44	0	66.1	61.7	44.8	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	0.0157
MAIN ROUTE WITH WORKS	0.0147
DIVERSION	0.0081

PIA: Personal Injury Accidents

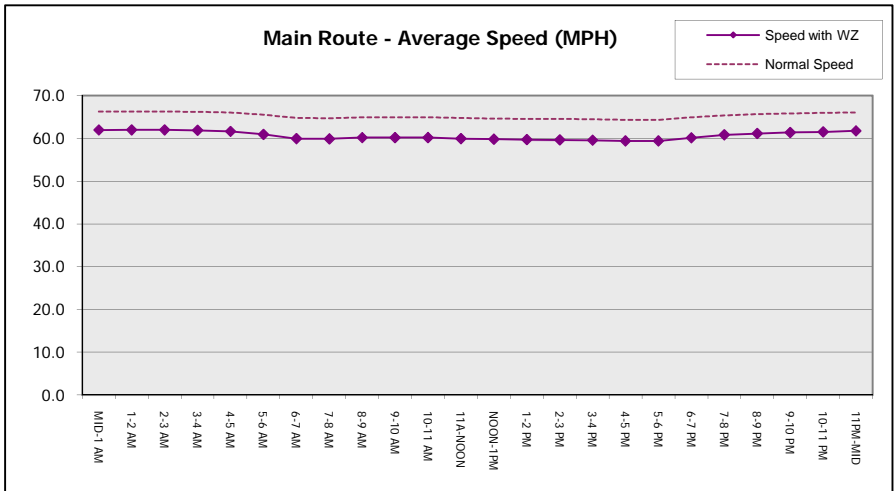
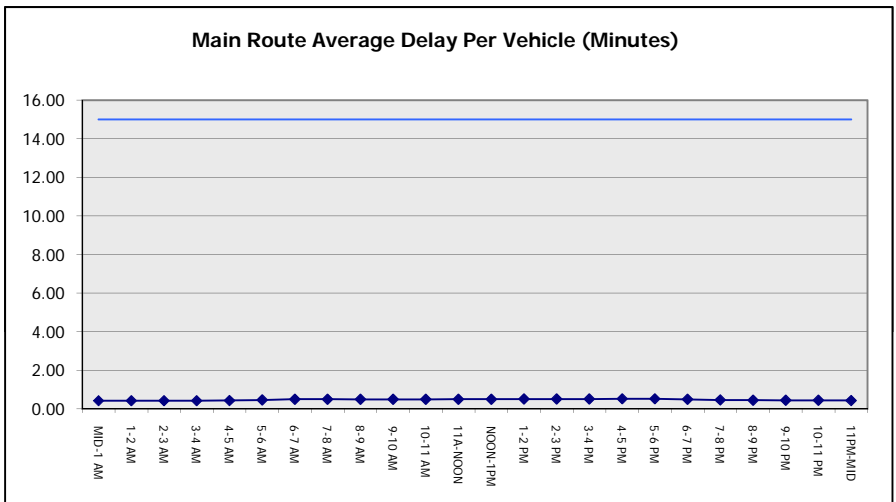
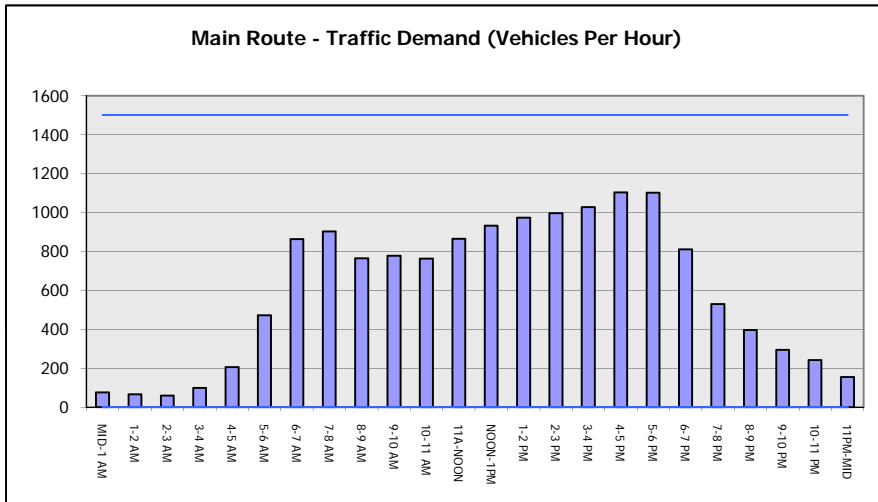
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,617
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY 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

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	152	0.0	10	0.0	1500	152	0	10	0.44	0	66.1	61.7	44.9	24.8	24.8
1-2 AM	95	0.0	6	0.0	1500	95	0	6	0.43	0	66.2	61.9	45.1	24.8	24.8
2-3 AM	86	0.0	6	0.0	1500	86	0	6	0.43	0	66.2	61.9	45.1	24.8	24.8
3-4 AM	99	0.0	6	0.0	1500	99	0	6	0.43	0	66.2	61.9	45.1	24.8	24.8
4-5 AM	139	0.0	9	0.0	1500	139	0	9	0.44	0	66.1	61.7	45.0	24.8	24.8
5-6 AM	261	0.0	17	0.0	1500	261	0	17	0.45	0	65.9	61.5	44.5	24.7	24.7
6-7 AM	574	0.0	38	0.0	1500	574	0	38	0.48	0	65.3	60.7	43.2	24.5	24.5
7-8 AM	812	0.0	55	0.0	1500	812	0	55	0.50	0	64.9	60.1	42.4	24.4	24.4
8-9 AM	785	0.0	52	0.0	1500	785	0	52	0.50	0	64.9	60.2	42.4	24.5	24.5
9-10 AM	921	0.0	62	0.0	1500	921	0	62	0.51	0	64.6	59.8	42.0	24.3	24.3
10-11 AM	1078	0.0	72	0.0	1500	1078	0	72	0.53	0	64.4	59.4	41.4	24.3	24.3
11A-NOON	1231	0.0	82	0.0	1500	1231	0	82	0.68	0	64.1	57.9	37.5	24.2	24.2
NOON-1PM	1291	0.0	86	0.0	1500	1291	0	86	0.75	0	64.0	57.2	35.8	24.2	24.2
1-2 PM	1327	0.0	90	0.0	1499	1327	0	90	0.80	0	63.9	56.8	34.8	24.2	24.2
2-3 PM	1502	0.0	101	0.0	1499	1502	0	101	1.20	5	63.6	53.6	31.2	24.1	24.1
3-4 PM	1680	0.0	113	0.0	1500	1680	0	113	4.63	105	63.3	36.8	30.8	24.0	24.0
4-5 PM	1751	0.0	117	0.0	1500	1619	132	249	11.75	293	63.1	22.4	30.8	24.0	22.9
5-6 PM	1698	0.0	114	0.0	1500	1480	218	333	12.66	315	63.2	21.4	30.8	24.0	22.3
6-7 PM	1320	0.0	89	0.0	1499	1307	13	101	8.94	221	63.9	26.6	31.3	24.2	24.1
7-8 PM	1032	0.0	69	0.0	1500	1032	0	69	0.97	14	64.5	55.9	40.9	24.3	24.3
8-9 PM	810	0.0	55	0.0	1500	810	0	55	0.50	0	64.9	60.1	42.4	24.4	24.4
9-10 PM	655	0.0	44	0.0	1500	655	0	44	0.49	0	65.1	60.5	42.9	24.5	24.5
10-11 PM	444	0.0	30	0.0	1500	444	0	30	0.47	0	65.6	61.0	43.7	24.6	24.6
11PM-MID	271	0.0	19	0.0	1500	271	0	19	0.45	0	65.9	61.4	44.4	24.7	24.7

----- 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	0.0217
MAIN ROUTE WITH WORKS	0.0200
DIVERSION	0.0142

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$15,726
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
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FRIDAY NORTHBOUND DIRECTION

