

**IH 43: STH 28 TO STH 57 (OZAUKEE AND SHEBOYGAN COUNTIES)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 84 - CTH LL**

AUGUST

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	169	0.0	11	0.0	1500	169	0	11	0.44	0	66.1	61.7	44.8	24.8	24.8
1-2 AM	74	0.0	5	0.0	1500	74	0	5	0.43	0	66.3	61.9	45.2	24.8	24.8
2-3 AM	74	0.0	5	0.0	1500	74	0	5	0.43	0	66.3	61.9	45.2	24.8	24.8
3-4 AM	102	0.0	7	0.0	1500	102	0	7	0.43	0	66.2	61.9	45.1	24.8	24.8
4-5 AM	243	0.0	16	0.0	1500	243	0	16	0.45	0	66.0	61.5	44.5	24.7	24.7
5-6 AM	434	0.0	29	0.0	1500	434	0	29	0.46	0	65.6	61.0	43.8	24.6	24.6
6-7 AM	807	0.0	55	0.0	1500	807	0	55	0.50	0	64.9	60.1	42.4	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	24.4	24.4
8-9 AM	802	0.0	53	0.0	1500	802	0	53	0.50	0	64.9	60.1	42.4	24.4	24.4
9-10 AM	866	0.0	59	0.0	1500	866	0	59	0.51	0	64.8	59.9	42.2	24.4	24.4
10-11 AM	906	0.0	61	0.0	1500	906	0	61	0.51	0	64.7	59.9	42.0	24.4	24.4
11A-NOON	994	0.0	67	0.0	1500	994	0	67	0.52	0	64.5	59.6	41.7	24.3	24.3
NOON-1PM	1078	0.0	72	0.0	1500	1078	0	72	0.53	0	64.4	59.4	41.4	24.3	24.3
1-2 PM	1101	0.0	74	0.0	1500	1101	0	74	0.53	0	64.3	59.4	41.3	24.3	24.3
2-3 PM	1144	0.0	77	0.0	1500	1144	0	77	0.56	0	64.3	59.0	40.4	24.2	24.2
3-4 PM	1156	0.0	77	0.0	1500	1156	0	77	0.58	0	64.2	58.9	39.9	24.2	24.2
4-5 PM	1206	0.0	81	0.0	1500	1206	0	81	0.64	0	64.1	58.2	38.3	24.2	24.2
5-6 PM	1149	0.0	77	0.0	1500	1149	0	77	0.57	0	64.3	58.9	40.2	24.2	24.2
6-7 PM	866	0.0	59	0.0	1500	866	0	59	0.51	0	64.8	59.9	42.2	24.4	24.4
7-8 PM	623	0.0	42	0.0	1500	623	0	42	0.48	0	65.2	60.5	43.0	24.5	24.5
8-9 PM	470	0.0	32	0.0	1500	470	0	32	0.47	0	65.5	60.9	43.6	24.6	24.6
9-10 PM	400	0.0	27	0.0	1500	400	0	27	0.46	0	65.6	61.1	43.9	24.7	24.7
10-11 PM	297	0.0	20	0.0	1500	297	0	20	0.45	0	65.8	61.4	44.3	24.7	24.7
11PM-MID	202	0.0	13	0.0	1500	202	0	13	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	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	0.0174
MAIN ROUTE WITH WORKS	0.0163
DIVERSION	0.0090

PIA: Personal Injury Accidents

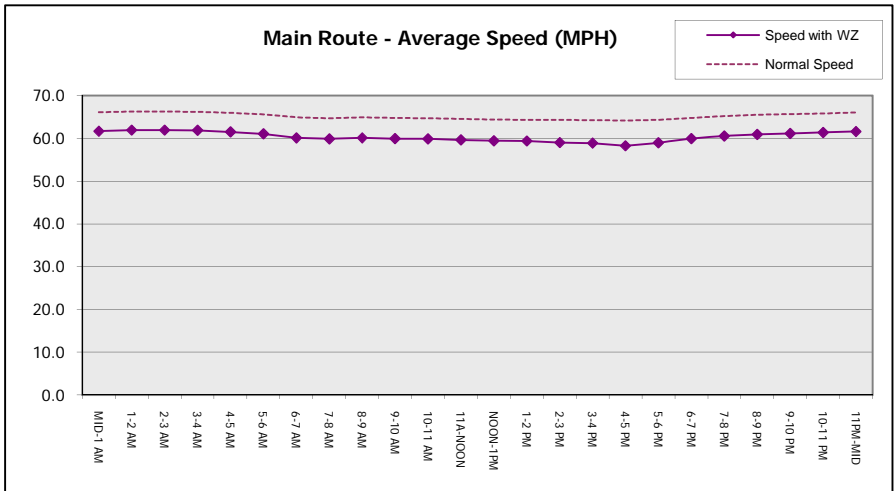
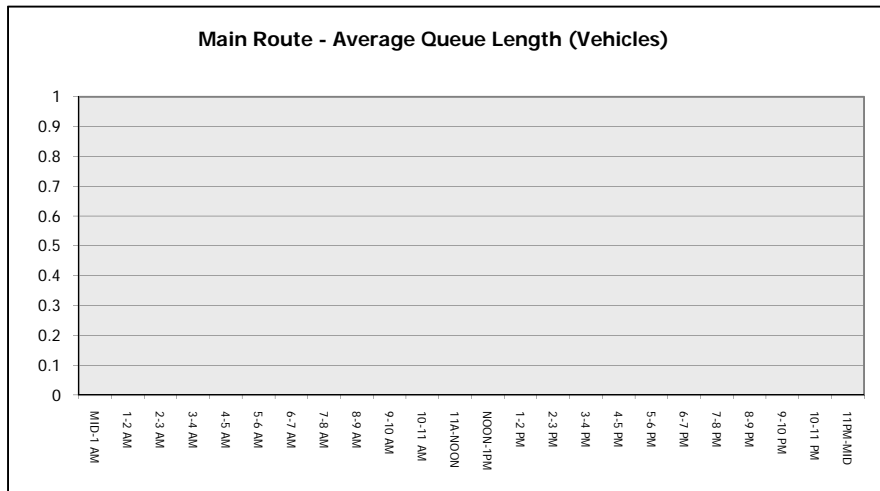
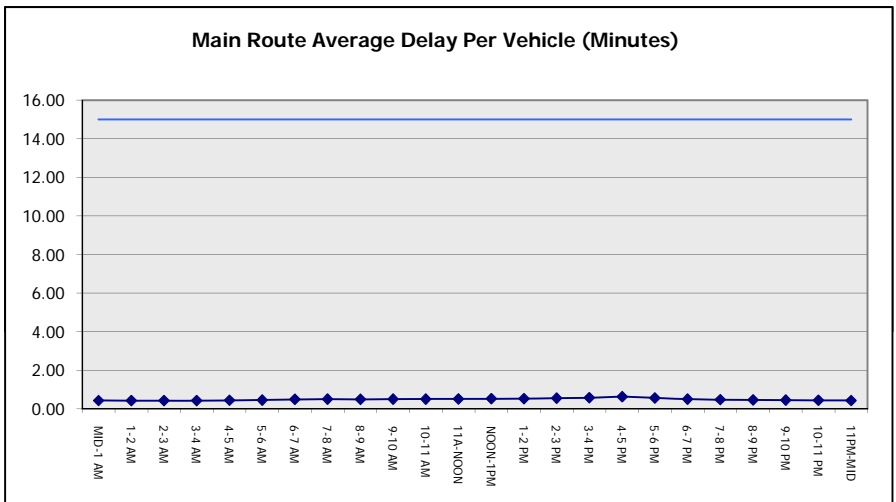
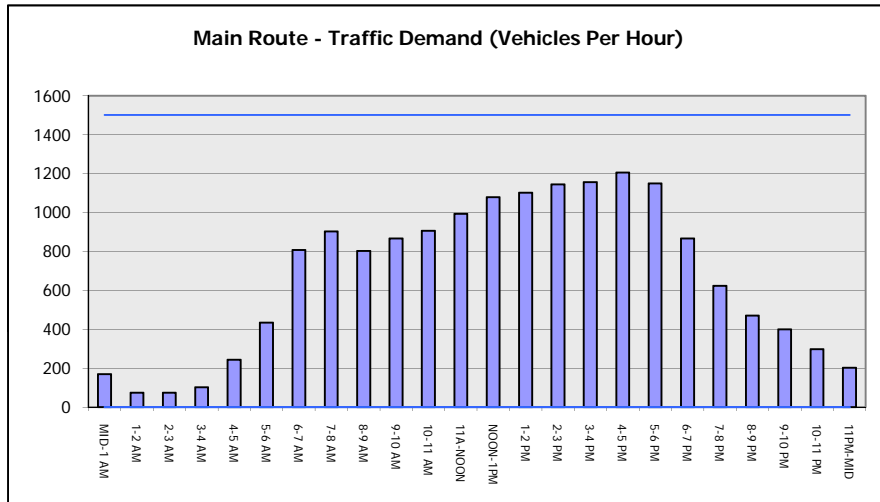
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,913
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
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 Construction Season

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	AUGUST
	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	199	0.0	13	0.0	1500	199	0	13	0.44	0	66.0	61.6	44.7	24.7	24.7
1-2 AM	130	0.0	8	0.0	1500	130	0	8	0.44	0	66.1	61.8	45.0	24.8	24.8
2-3 AM	91	0.0	6	0.0	1500	91	0	6	0.43	0	66.2	61.9	45.1	24.8	24.8
3-4 AM	100	0.0	6	0.0	1500	100	0	6	0.43	0	66.2	61.9	45.1	24.8	24.8
4-5 AM	162	0.0	11	0.0	1500	162	0	11	0.44	0	66.1	61.7	44.8	24.8	24.8
5-6 AM	286	0.0	20	0.0	1500	286	0	20	0.45	0	65.8	61.4	44.3	24.7	24.7
6-7 AM	566	0.0	38	0.0	1500	566	0	38	0.48	0	65.3	60.7	43.3	24.5	24.5
7-8 AM	828	0.0	56	0.0	1500	828	0	56	0.50	0	64.8	60.1	42.3	24.4	24.4
8-9 AM	808	0.0	55	0.0	1500	808	0	55	0.50	0	64.9	60.1	42.4	24.4	24.4
9-10 AM	1014	0.0	68	0.0	1500	1014	0	68	0.52	0	64.5	59.6	41.6	24.3	24.3
10-11 AM	1169	0.0	78	0.0	1500	1169	0	78	0.60	0	64.2	58.7	39.4	24.2	24.2
11A-NOON	1347	0.0	91	0.0	1500	1347	0	91	0.83	0	63.9	56.6	34.3	24.2	24.2
NOON-1PM	1372	0.0	93	0.0	1500	1372	0	93	0.86	0	63.8	56.3	33.7	24.2	24.2
1-2 PM	1440	0.0	97	0.0	1499	1440	0	97	0.95	0	63.7	55.5	32.0	24.1	24.1
2-3 PM	1616	0.0	108	0.0	1499	1616	0	108	2.67	48	63.4	44.8	30.8	24.0	24.0
3-4 PM	1758	0.0	118	0.0	1500	1711	47	166	9.22	230	63.1	26.0	30.8	23.9	23.6
4-5 PM	1826	0.0	122	0.0	1499	1509	317	440	13.37	334	63.0	20.6	30.8	23.9	21.5
5-6 PM	1745	0.0	117	0.0	1499	1477	268	385	13.00	324	63.2	20.9	30.8	24.0	21.9
6-7 PM	1516	0.0	102	0.0	1500	1443	73	175	11.57	285	63.6	22.7	30.8	24.0	23.5
7-8 PM	1168	0.0	78	0.0	1499	1168	0	78	4.05	114	64.2	39.2	35.5	24.2	24.2
8-9 PM	955	0.0	64	0.0	1500	955	0	64	0.51	0	64.6	59.7	41.9	24.3	24.3
9-10 PM	766	0.0	51	0.0	1500	766	0	51	0.50	0	65.0	60.2	42.5	24.5	24.5
10-11 PM	610	0.0	41	0.0	1500	610	0	41	0.48	0	65.3	60.5	43.1	24.5	24.5
11PM-MID	391	0.0	27	0.0	1500	391	0	27	0.46	0	65.6	61.1	43.9	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	0.0237
MAIN ROUTE WITH WORKS	0.0215
DIVERSION	0.0181

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$22,145
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
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 Construction Season

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FRIDAY NORTHBOUND DIRECTION

