

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

MAY
Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	98	0.0	6	0.0	1500	98	0	6	0.43	0	66.2	61.9	45.1	24.8	24.8
1-2 AM	72	0.0	5	0.0	1500	72	0	5	0.43	0	66.3	61.9	45.2	24.8	24.8
2-3 AM	55	0.0	4	0.0	1500	55	0	4	0.43	0	66.3	62.0	45.3	24.8	24.8
3-4 AM	79	0.0	5	0.0	1500	79	0	5	0.43	0	66.3	61.9	45.1	24.8	24.8
4-5 AM	128	0.0	8	0.0	1500	128	0	8	0.43	0	66.1	61.8	45.0	24.8	24.8
5-6 AM	184	0.0	12	0.0	1500	184	0	12	0.44	0	66.0	61.7	44.8	24.7	24.7
6-7 AM	300	0.0	21	0.0	1500	300	0	21	0.45	0	65.8	61.4	44.3	24.7	24.7
7-8 AM	455	0.0	31	0.0	1500	455	0	31	0.47	0	65.5	61.0	43.7	24.6	24.6
8-9 AM	652	0.0	44	0.0	1500	652	0	44	0.49	0	65.1	60.5	42.9	24.5	24.5
9-10 AM	749	0.0	50	0.0	1500	749	0	50	0.50	0	65.0	60.2	42.6	24.5	24.5
10-11 AM	797	0.0	54	0.0	1500	797	0	54	0.50	0	64.9	60.1	42.4	24.4	24.4
11A-NOON	866	0.0	58	0.0	1500	866	0	58	0.51	0	64.8	59.9	42.2	24.4	24.4
NOON-1PM	871	0.0	59	0.0	1500	871	0	59	0.51	0	64.8	59.9	42.2	24.4	24.4
1-2 PM	839	0.0	57	0.0	1500	839	0	57	0.50	0	64.8	60.0	42.2	24.4	24.4
2-3 PM	810	0.0	55	0.0	1500	810	0	55	0.50	0	64.9	60.1	42.4	24.4	24.4
3-4 PM	860	0.0	58	0.0	1500	860	0	58	0.51	0	64.8	60.0	42.2	24.4	24.4
4-5 PM	811	0.0	55	0.0	1500	811	0	55	0.50	0	64.9	60.1	42.4	24.4	24.4
5-6 PM	700	0.0	47	0.0	1500	700	0	47	0.49	0	65.1	60.4	42.8	24.5	24.5
6-7 PM	559	0.0	38	0.0	1500	559	0	38	0.48	0	65.3	60.7	43.3	24.5	24.5
7-8 PM	469	0.0	32	0.0	1500	469	0	32	0.47	0	65.5	60.9	43.6	24.6	24.6
8-9 PM	396	0.0	27	0.0	1500	396	0	27	0.46	0	65.6	61.1	43.9	24.7	24.7
9-10 PM	338	0.0	23	0.0	1500	338	0	23	0.46	0	65.8	61.2	44.2	24.7	24.7
10-11 PM	249	0.0	16	0.0	1500	249	0	16	0.45	0	66.0	61.5	44.5	24.7	24.7
11PM-MID	160	0.0	10	0.0	1500	160	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 (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	0.0124
MAIN ROUTE WITH WORKS	0.0117
DIVERSION	0.0065

PIA: Personal Injury Accidents

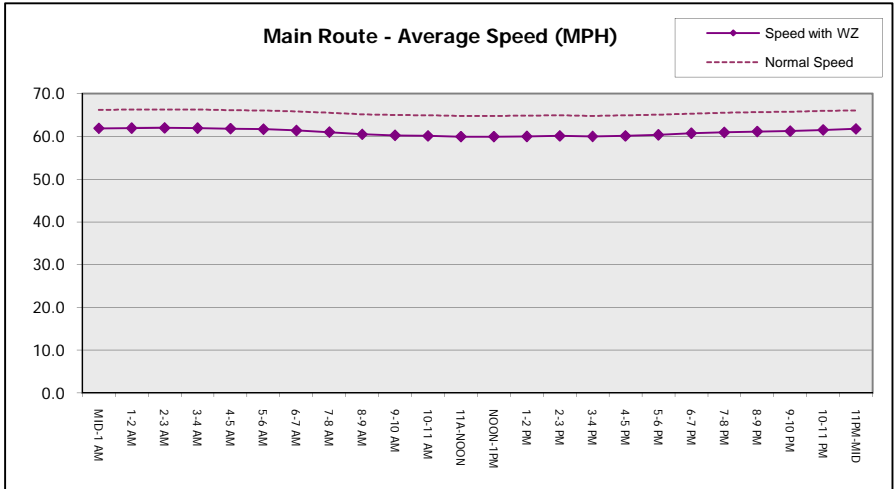
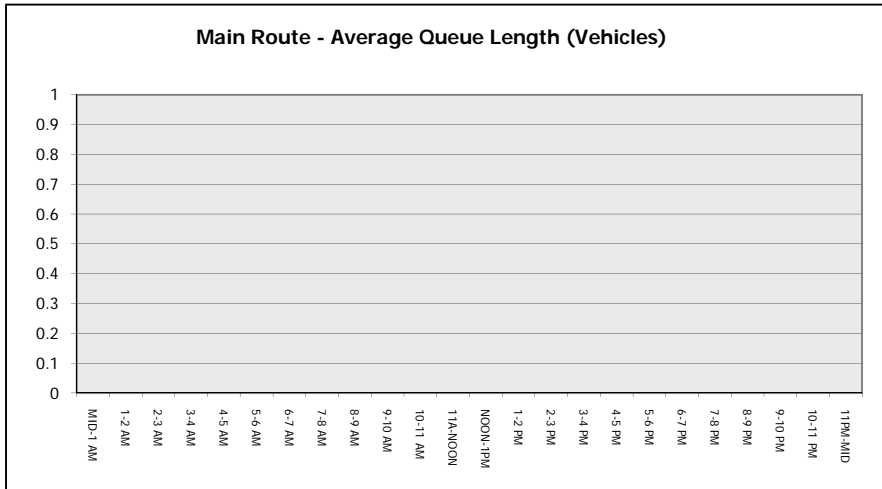
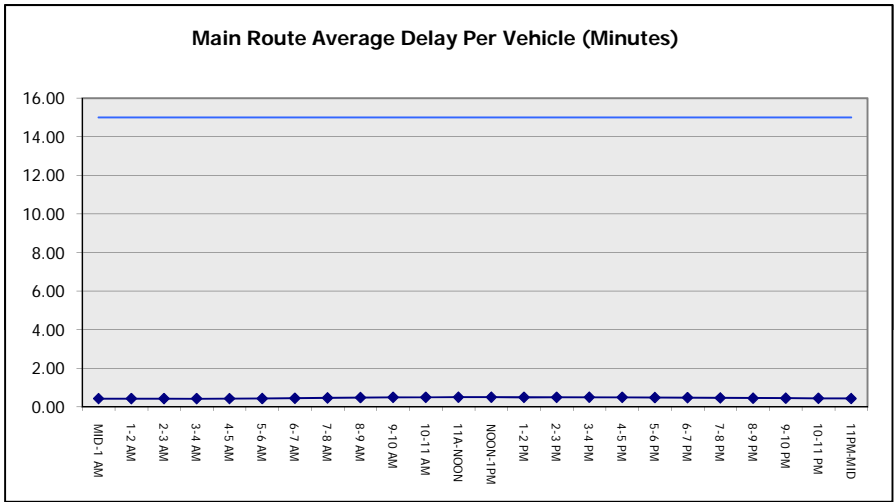
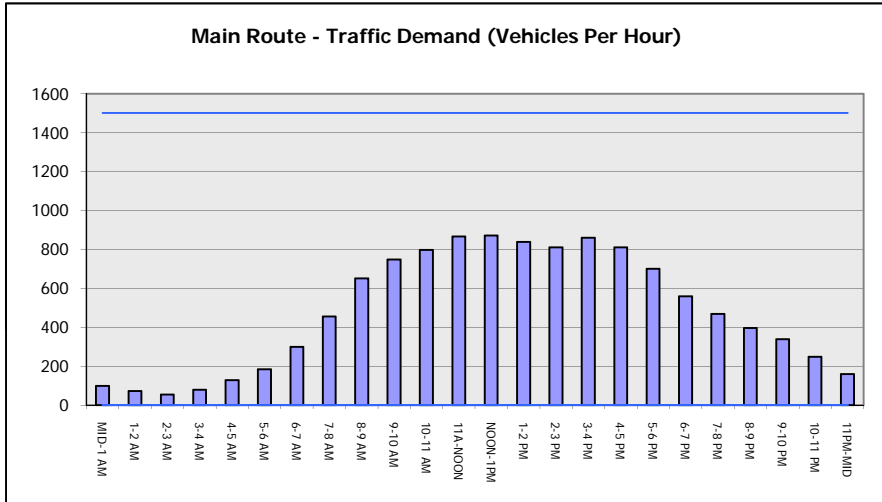
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,413
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



IH 43: STH 28 TO STH 57 (OZAUKEE AND SHEBOYGAN COUNTIES) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 84 - CTH LL	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	183	0.0	12	0.0	1500	183	0	12	0.44	0	66.1	61.7	44.8	24.7	24.7
1-2 AM	107	0.0	7	0.0	1500	107	0	7	0.43	0	66.2	61.9	45.1	24.8	24.8
2-3 AM	82	0.0	5	0.0	1500	82	0	5	0.43	0	66.3	61.9	45.1	24.8	24.8
3-4 AM	70	0.0	5	0.0	1500	70	0	5	0.43	0	66.3	61.9	45.2	24.8	24.8
4-5 AM	99	0.0	6	0.0	1500	99	0	6	0.43	0	66.2	61.9	45.1	24.8	24.8
5-6 AM	186	0.0	12	0.0	1500	186	0	12	0.44	0	66.0	61.7	44.7	24.7	24.7
6-7 AM	384	0.0	26	0.0	1500	384	0	26	0.46	0	65.6	61.2	44.0	24.7	24.7
7-8 AM	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 AM	803	0.0	54	0.0	1500	803	0	54	0.50	0	64.9	60.1	42.4	24.4	24.4
9-10 AM	965	0.0	65	0.0	1500	965	0	65	0.52	0	64.6	59.7	41.8	24.3	24.3
10-11 AM	1074	0.0	72	0.0	1500	1074	0	72	0.53	0	64.4	59.4	41.4	24.3	24.3
11A-NOON	1053	0.0	71	0.0	1500	1053	0	71	0.52	0	64.4	59.5	41.5	24.3	24.3
NOON-1PM	1024	0.0	69	0.0	1500	1024	0	69	0.52	0	64.5	59.6	41.6	24.3	24.3
1-2 PM	962	0.0	65	0.0	1500	962	0	65	0.52	0	64.6	59.7	41.8	24.3	24.3
2-3 PM	888	0.0	60	0.0	1500	888	0	60	0.51	0	64.7	59.9	42.1	24.4	24.4
3-4 PM	897	0.0	61	0.0	1500	897	0	61	0.51	0	64.7	59.9	42.0	24.3	24.3
4-5 PM	800	0.0	54	0.0	1500	800	0	54	0.50	0	64.9	60.1	42.4	24.4	24.4
5-6 PM	738	0.0	49	0.0	1500	738	0	49	0.49	0	65.0	60.2	42.6	24.5	24.5
6-7 PM	618	0.0	41	0.0	1500	618	0	41	0.48	0	65.2	60.5	43.0	24.5	24.5
7-8 PM	513	0.0	34	0.0	1500	513	0	34	0.47	0	65.5	60.8	43.5	24.6	24.6
8-9 PM	479	0.0	32	0.0	1500	479	0	32	0.47	0	65.5	60.9	43.6	24.6	24.6
9-10 PM	461	0.0	31	0.0	1500	461	0	31	0.47	0	65.5	60.9	43.7	24.6	24.6
10-11 PM	322	0.0	22	0.0	1500	322	0	22	0.45	0	65.8	61.3	44.2	24.7	24.7
11PM-MID	190	0.0	12	0.0	1500	190	0	12	0.44	0	66.0	61.6	44.7	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	0.0146
MAIN ROUTE WITH WORKS	0.0137
DIVERSION	0.0076

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,692
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

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SATURDAY NORTHBOUND DIRECTION

