

**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

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	119	0.0	8	0.0	1500	119	0	8	0.43	0	66.1	61.8	45.0	24.8	24.8
1-2 AM	80	0.0	5	0.0	1500	80	0	5	0.43	0	66.3	61.9	45.1	24.8	24.8
2-3 AM	69	0.0	4	0.0	1500	69	0	4	0.43	0	66.3	61.9	45.2	24.8	24.8
3-4 AM	80	0.0	5	0.0	1500	80	0	5	0.43	0	66.3	61.9	45.1	24.8	24.8
4-5 AM	136	0.0	9	0.0	1500	136	0	9	0.44	0	66.1	61.8	45.0	24.8	24.8
5-6 AM	187	0.0	12	0.0	1500	187	0	12	0.44	0	66.0	61.7	44.7	24.7	24.7
6-7 AM	302	0.0	21	0.0	1500	302	0	21	0.45	0	65.8	61.4	44.3	24.7	24.7
7-8 AM	410	0.0	28	0.0	1500	410	0	28	0.46	0	65.6	61.1	43.8	24.7	24.7
8-9 AM	671	0.0	45	0.0	1500	671	0	45	0.49	0	65.1	60.4	42.8	24.5	24.5
9-10 AM	883	0.0	60	0.0	1500	883	0	60	0.51	0	64.8	59.9	42.1	24.4	24.4
10-11 AM	1021	0.0	69	0.0	1500	1021	0	69	0.52	0	64.5	59.6	41.6	24.3	24.3
11A-NOON	1179	0.0	79	0.0	1500	1179	0	79	0.61	0	64.2	58.6	39.1	24.2	24.2
NOON-1PM	1148	0.0	77	0.0	1500	1148	0	77	0.57	0	64.3	58.9	40.2	24.2	24.2
1-2 PM	1197	0.0	80	0.0	1500	1197	0	80	0.63	0	64.1	58.3	38.6	24.2	24.2
2-3 PM	1164	0.0	78	0.0	1500	1164	0	78	0.59	0	64.2	58.7	39.6	24.2	24.2
3-4 PM	1117	0.0	75	0.0	1500	1117	0	75	0.53	0	64.3	59.4	41.3	24.3	24.3
4-5 PM	988	0.0	67	0.0	1500	988	0	67	0.52	0	64.5	59.7	41.7	24.3	24.3
5-6 PM	875	0.0	59	0.0	1500	875	0	59	0.51	0	64.8	59.9	42.1	24.4	24.4
6-7 PM	713	0.0	48	0.0	1500	713	0	48	0.49	0	65.1	60.3	42.7	24.5	24.5
7-8 PM	566	0.0	38	0.0	1500	566	0	38	0.48	0	65.3	60.7	43.3	24.5	24.5
8-9 PM	534	0.0	36	0.0	1500	534	0	36	0.47	0	65.4	60.8	43.3	24.6	24.6
9-10 PM	494	0.0	33	0.0	1500	494	0	33	0.47	0	65.5	60.9	43.5	24.6	24.6
10-11 PM	497	0.0	33	0.0	1500	497	0	33	0.47	0	65.5	60.9	43.5	24.6	24.6
11PM-MID	645	0.0	43	0.0	1500	645	0	43	0.48	0	65.2	60.5	43.0	24.5	24.5

----- 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	0.0163
MAIN ROUTE WITH WORKS	0.0153
DIVERSION	0.0085

PIA: Personal Injury Accidents

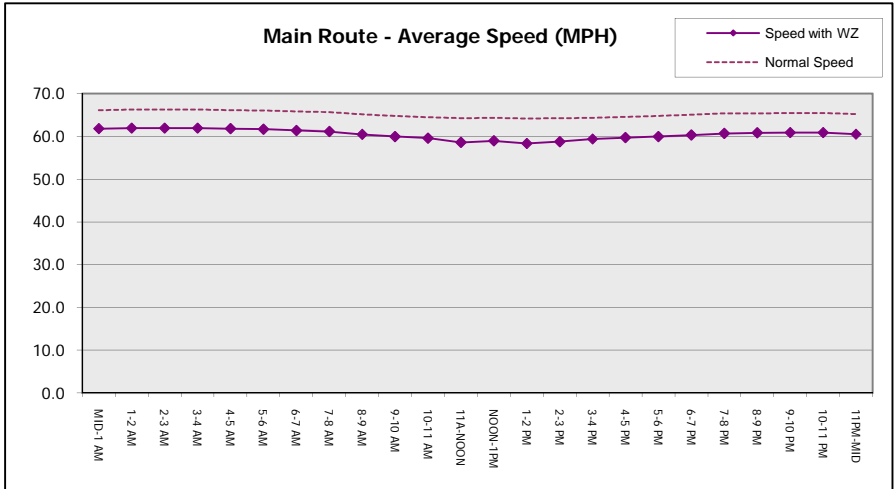
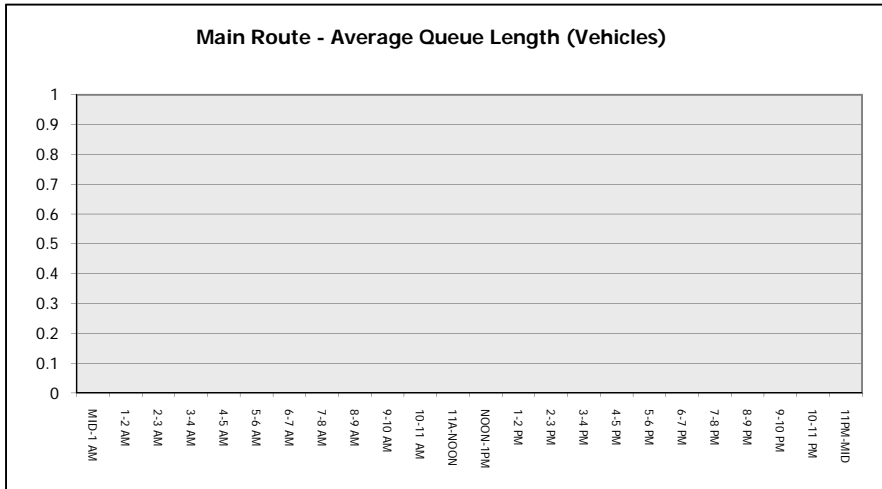
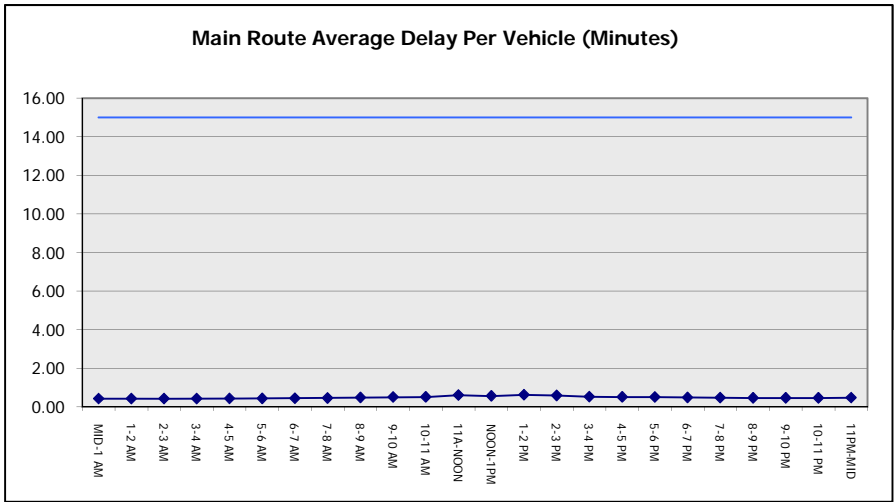
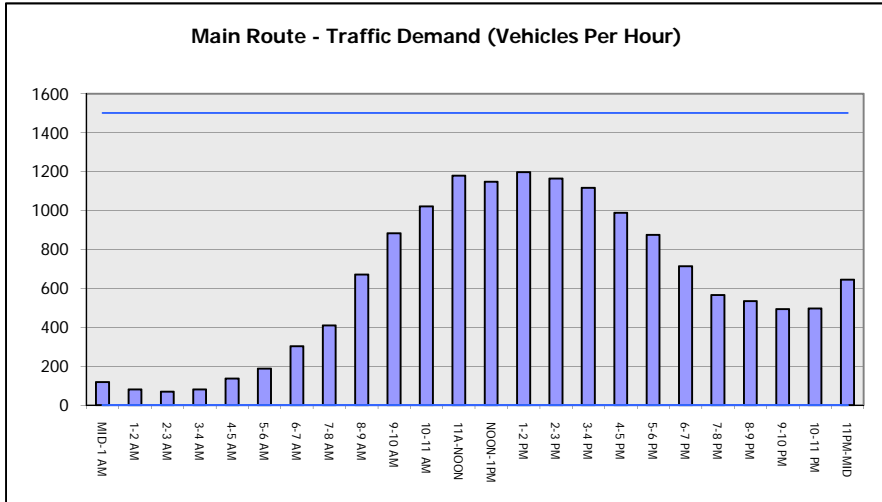
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,056
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
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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	AUGUST
	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	233	0.0	15	0.0	1500	233	0	15	0.45	0	66.0	61.5	44.5	24.7	24.7
1-2 AM	151	0.0	10	0.0	1500	151	0	10	0.44	0	66.1	61.7	44.9	24.8	24.8
2-3 AM	108	0.0	7	0.0	1500	108	0	7	0.43	0	66.2	61.9	45.1	24.8	24.8
3-4 AM	92	0.0	6	0.0	1500	92	0	6	0.43	0	66.2	61.9	45.1	24.8	24.8
4-5 AM	106	0.0	7	0.0	1500	106	0	7	0.43	0	66.2	61.9	45.1	24.8	24.8
5-6 AM	181	0.0	12	0.0	1500	181	0	12	0.44	0	66.1	61.7	44.8	24.7	24.7
6-7 AM	308	0.0	21	0.0	1500	308	0	21	0.45	0	65.8	61.4	44.3	24.7	24.7
7-8 AM	518	0.0	35	0.0	1500	518	0	35	0.47	0	65.4	60.8	43.4	24.6	24.6
8-9 AM	780	0.0	52	0.0	1500	780	0	52	0.50	0	65.0	60.2	42.5	24.5	24.5
9-10 AM	1033	0.0	69	0.0	1500	1033	0	69	0.52	0	64.5	59.6	41.5	24.3	24.3
10-11 AM	1381	0.0	93	0.0	1500	1381	0	93	0.87	0	63.8	56.1	33.4	24.2	24.2
11A-NOON	1374	0.0	93	0.0	1500	1374	0	93	0.86	0	63.8	56.3	33.6	24.2	24.2
NOON-1PM	1347	0.0	91	0.0	1500	1347	0	91	0.83	0	63.9	56.6	34.3	24.2	24.2
1-2 PM	1329	0.0	89	0.0	1500	1329	0	89	0.80	0	63.9	56.8	34.7	24.2	24.2
2-3 PM	1381	0.0	93	0.0	1500	1381	0	93	0.87	0	63.8	56.1	33.4	24.2	24.2
3-4 PM	1379	0.0	93	0.0	1500	1379	0	93	0.87	0	63.8	56.2	33.5	24.2	24.2
4-5 PM	1236	0.0	83	0.0	1500	1236	0	83	0.68	0	64.1	57.9	37.3	24.2	24.2
5-6 PM	891	0.0	60	0.0	1500	891	0	60	0.51	0	64.7	59.9	42.0	24.4	24.4
6-7 PM	704	0.0	47	0.0	1500	704	0	47	0.49	0	65.1	60.4	42.7	24.5	24.5
7-8 PM	600	0.0	40	0.0	1500	600	0	40	0.48	0	65.3	60.6	43.1	24.5	24.5
8-9 PM	523	0.0	35	0.0	1500	523	0	35	0.47	0	65.4	60.8	43.4	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	421	0.0	28	0.0	1500	421	0	28	0.46	0	65.6	61.0	43.8	24.7	24.7
11PM-MID	261	0.0	17	0.0	1500	261	0	17	0.45	0	65.9	61.5	44.5	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	0.0182
MAIN ROUTE WITH WORKS	0.0171
DIVERSION	0.0094

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,942
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

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SATURDAY NORTHBOUND DIRECTION

