

IH 43: STH 32 TO STH 57/167 (OZAUKEE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH C - CTH W - STH 60	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	201	0.0	24	0.0	1500	201	0	24	0.44	0	66.0	56.3	44.6	19.7	19.7
1-2 AM	173	0.0	21	0.0	1500	173	0	21	0.44	0	66.1	56.3	44.8	19.7	19.7
2-3 AM	112	0.0	13	0.0	1500	112	0	13	0.43	0	66.2	56.5	45.0	19.8	19.8
3-4 AM	153	0.0	19	0.0	1500	153	0	19	0.44	0	66.1	56.4	44.9	19.7	19.7
4-5 AM	361	0.0	43	0.0	1500	361	0	43	0.46	0	65.7	55.8	44.0	19.6	19.6
5-6 AM	1181	0.0	141	0.0	1499	1181	0	141	0.71	0	64.2	50.5	37.1	19.0	19.0
6-7 AM	2400	0.0	285	0.0	1499	1875	525	810	9.78	261	61.9	13.8	30.8	18.1	15.2
7-8 AM	3103	0.0	369	0.0	1499	1597	1505	1875+	17.65	462	54.7	9.4	30.8	17.6	10.6
8-9 AM	2118	0.0	252	0.0	1499	1254	864	1117	12.29	314	62.4	11.7	30.9	18.3	13.3
9-10 AM	1509	0.0	180	0.0	1500	1413	96	276	7.61	179	63.6	16.4	30.8	18.8	18.1
10-11 AM	1365	0.0	163	0.0	1499	1365	0	163	3.49	75	63.8	27.4	31.6	18.9	18.9
11A-NOON	1401	0.0	167	0.0	1500	1401	0	167	0.90	0	63.8	47.5	33.0	18.8	18.8
NOON-1PM	1448	0.0	172	0.0	1500	1448	0	172	0.96	0	63.7	46.7	31.9	18.8	18.8
1-2 PM	1452	0.0	173	0.0	1499	1452	0	173	0.96	0	63.7	46.6	31.8	18.8	18.8
2-3 PM	1555	0.0	185	0.0	1499	1555	0	185	1.75	21	63.5	38.2	30.8	18.7	18.7
3-4 PM	1656	0.0	198	0.0	1500	1654	2	200	5.71	133	63.3	20.1	30.8	18.6	18.6
4-5 PM	1532	0.0	182	0.0	1499	1471	61	243	7.81	183	63.5	16.1	30.8	18.8	18.4
5-6 PM	1645	0.0	196	0.0	1500	1507	138	334	8.13	191	63.3	15.6	30.8	18.6	17.8
6-7 PM	1168	0.0	139	0.0	1499	1168	0	139	2.30	71	64.2	34.2	36.7	19.0	19.0
7-8 PM	784	0.0	94	0.0	1500	784	0	94	0.50	0	64.9	54.5	42.5	19.3	19.3
8-9 PM	579	0.0	69	0.0	1500	579	0	69	0.48	0	65.3	55.1	43.2	19.4	19.4
9-10 PM	462	0.0	55	0.0	1500	462	0	55	0.47	0	65.5	55.5	43.7	19.6	19.6
10-11 PM	365	0.0	43	0.0	1500	365	0	43	0.46	0	65.7	55.7	44.0	19.6	19.6
11PM-MID	221	0.0	27	0.0	1500	221	0	27	0.44	0	66.0	56.2	44.6	19.7	19.7

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0120
MAIN ROUTE WITH WORKS	0.0090
DIVERSION	0.0241

PIA: Personal Injury Accidents

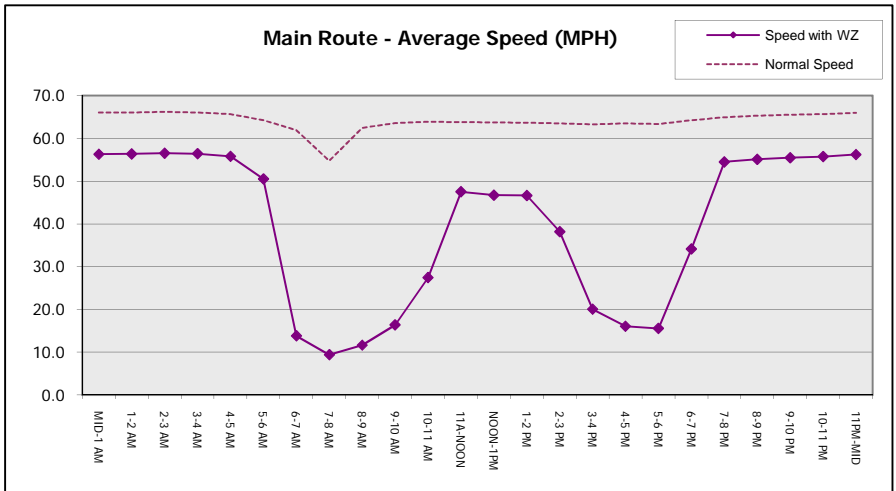
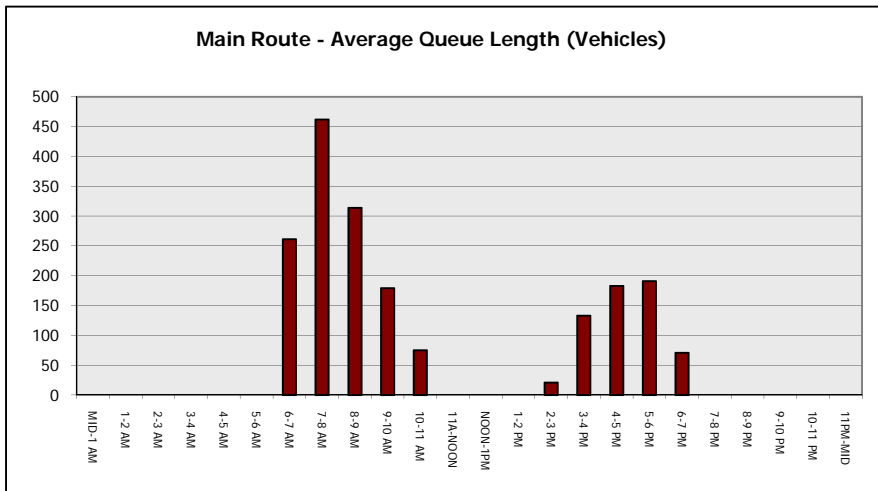
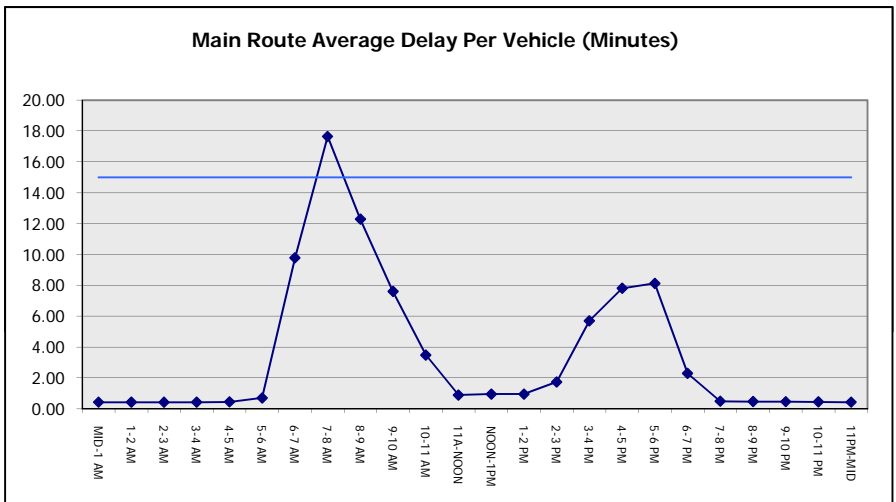
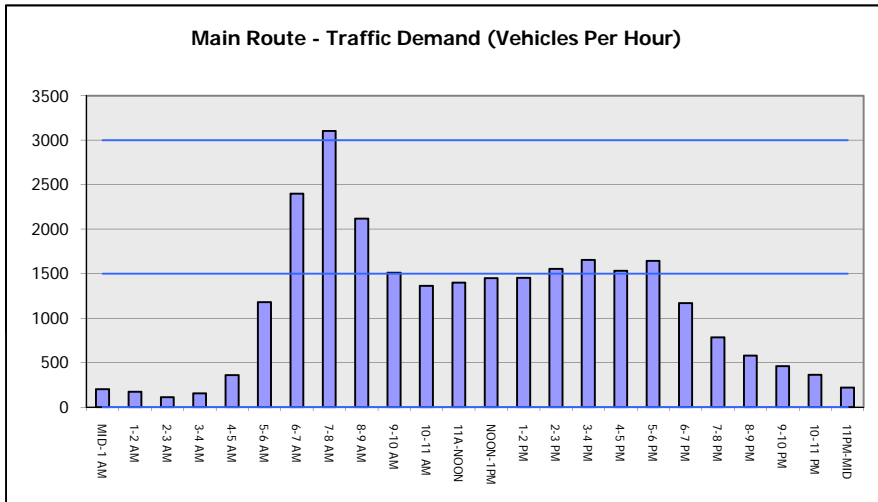
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$37,248
CONGESTED HOURS PER DAY*	1

*Delays Exceeding 15 Minutes

**IH 43: STH 32 TO STH 57/167 (OZAUKEE COUNTY)
 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: CTH C - CTH W - STH 60**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



IH 43: STH 32 TO STH 57/167 (OZAUKEE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH C - CTH W - STH 60	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	205	0.0	25	0.0	1500	205	0	25	0.44	0	66.0	56.3	44.6	19.7	19.7
1-2 AM	124	0.0	14	0.0	1500	124	0	14	0.43	0	66.1	56.5	45.0	19.8	19.8
2-3 AM	111	0.0	13	0.0	1500	111	0	13	0.43	0	66.2	56.5	45.0	19.8	19.8
3-4 AM	121	0.0	14	0.0	1500	121	0	14	0.43	0	66.1	56.5	45.0	19.8	19.8
4-5 AM	181	0.0	22	0.0	1500	181	0	22	0.44	0	66.1	56.3	44.8	19.7	19.7
5-6 AM	407	0.0	48	0.0	1500	407	0	48	0.46	0	65.6	55.6	43.8	19.6	19.6
6-7 AM	926	0.0	110	0.0	1500	926	0	110	0.51	0	64.6	54.0	41.9	19.2	19.2
7-8 AM	1217	0.0	145	0.0	1500	1217	0	145	0.66	0	64.1	51.2	37.9	18.9	18.9
8-9 AM	1144	0.0	136	0.0	1500	1144	0	136	0.56	0	64.3	52.8	40.4	19.0	19.0
9-10 AM	1121	0.0	134	0.0	1500	1121	0	134	0.53	0	64.3	53.4	41.2	19.1	19.1
10-11 AM	1196	0.0	142	0.0	1500	1196	0	142	0.63	0	64.1	51.7	38.6	19.0	19.0
11A-NOON	1303	0.0	155	0.0	1500	1303	0	155	0.77	0	64.0	49.4	35.4	18.9	18.9
NOON-1PM	1350	0.0	161	0.0	1500	1350	0	161	0.83	0	63.9	48.6	34.2	18.9	18.9
1-2 PM	1421	0.0	169	0.0	1499	1421	0	169	0.92	0	63.7	47.3	32.5	18.8	18.8
2-3 PM	1798	0.0	214	0.0	1499	1758	41	255	4.46	114	63.0	23.6	30.8	18.6	18.3
3-4 PM	2257	0.0	269	0.0	1499	1548	710	978	11.21	277	62.2	12.1	30.8	18.2	13.8
4-5 PM	2632	0.0	314	0.0	1500	1588	1045	1358+	14.07	357	59.6	10.6	30.8	17.9	12.0
5-6 PM	2732	0.0	325	0.0	1500	1497	1235	1561+	16.22	417	58.5	9.9	30.8	17.8	11.1
6-7 PM	1767	0.0	210	0.0	1499	1292	476	686	9.65	241	63.1	13.8	31.5	18.6	15.7
7-8 PM	1108	0.0	132	0.0	1499	1108	0	132	1.87	56	64.3	37.5	37.7	19.1	19.1
8-9 PM	910	0.0	108	0.0	1500	910	0	108	0.51	0	64.7	54.1	42.0	19.2	19.2
9-10 PM	775	0.0	93	0.0	1500	775	0	93	0.50	0	65.0	54.5	42.5	19.3	19.3
10-11 PM	529	0.0	63	0.0	1500	529	0	63	0.47	0	65.4	55.2	43.4	19.5	19.5
11PM-MID	350	0.0	41	0.0	1500	350	0	41	0.46	0	65.8	55.8	44.1	19.6	19.6

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0115
MAIN ROUTE WITH WORKS	0.0084
DIVERSION	0.0247

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$31,691
CONGESTED HOURS PER DAY*	1

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: CTH C - CTH W - STH 60**

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR NORTHBOUND DIRECTION

