

IH 43: STH 32 TO STH 57/167 (OZAUKEE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: CTH C - CTH W - STH 60	AUGUST
	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	172	0.0	21	0.0	1500	172	0	21	0.44	0	66.1	56.3	44.8	19.7	19.7
1-2 AM	117	0.0	14	0.0	1500	117	0	14	0.43	0	66.1	56.5	45.0	19.8	19.8
2-3 AM	99	0.0	11	0.0	1500	99	0	11	0.43	0	66.2	56.6	45.1	19.8	19.8
3-4 AM	164	0.0	20	0.0	1500	164	0	20	0.44	0	66.1	56.4	44.8	19.7	19.7
4-5 AM	402	0.0	48	0.0	1500	402	0	48	0.46	0	65.6	55.6	43.9	19.6	19.6
5-6 AM	1133	0.0	135	0.0	1499	1133	0	135	0.68	0	64.3	51.0	37.8	19.1	19.1
6-7 AM	2401	0.0	286	0.0	1499	1874	527	813	9.86	263	61.9	13.8	30.8	18.1	15.2
7-8 AM	2981	0.0	355	0.0	1500	1603	1378	1733+	17.50	456	56.0	9.5	30.8	17.6	10.6
8-9 AM	2120	0.0	252	0.0	1499	1255	865	1117	12.28	313	62.4	11.7	30.8	18.3	13.3
9-10 AM	1659	0.0	198	0.0	1500	1454	205	403	8.39	199	63.3	15.2	30.8	18.6	17.4
10-11 AM	1630	0.0	194	0.0	1500	1504	126	320	8.08	190	63.3	15.6	30.8	18.7	17.9
11A-NOON	1618	0.0	193	0.0	1500	1499	119	312	8.05	189	63.3	15.7	30.8	18.7	17.9
NOON-1PM	1604	0.0	190	0.0	1500	1497	107	297	8.00	188	63.4	15.8	30.8	18.7	18.0
1-2 PM	1489	0.0	178	0.0	1499	1482	6	184	7.40	172	63.6	16.7	30.8	18.8	18.8
2-3 PM	1673	0.0	199	0.0	1500	1531	141	340	8.14	192	63.3	15.6	30.8	18.6	17.8
3-4 PM	1725	0.0	205	0.0	1500	1503	222	427	8.48	201	63.2	15.1	30.8	18.6	17.2
4-5 PM	1689	0.0	201	0.0	1499	1496	194	394	8.36	198	63.2	15.3	30.8	18.6	17.5
5-6 PM	1742	0.0	207	0.0	1500	1498	244	451	8.58	204	63.2	15.0	30.8	18.6	17.1
6-7 PM	1199	0.0	143	0.0	1499	1194	6	149	2.64	81	64.1	32.0	36.0	19.0	18.9
7-8 PM	884	0.0	105	0.0	1500	884	0	105	0.51	0	64.7	54.2	42.1	19.2	19.2
8-9 PM	714	0.0	85	0.0	1500	714	0	85	0.49	0	65.1	54.6	42.7	19.3	19.3
9-10 PM	618	0.0	73	0.0	1500	618	0	73	0.48	0	65.2	55.0	43.0	19.4	19.4
10-11 PM	461	0.0	55	0.0	1500	461	0	55	0.47	0	65.5	55.5	43.7	19.6	19.6
11PM-MID	279	0.0	33	0.0	1500	279	0	33	0.45	0	65.9	56.0	44.3	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	0.0127
MAIN ROUTE WITH WORKS	0.0093
DIVERSION	0.0283

PIA: Personal Injury Accidents

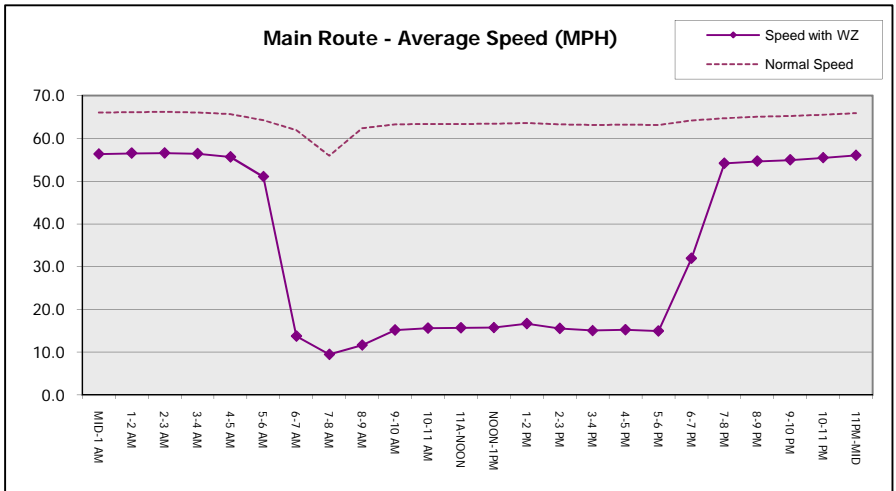
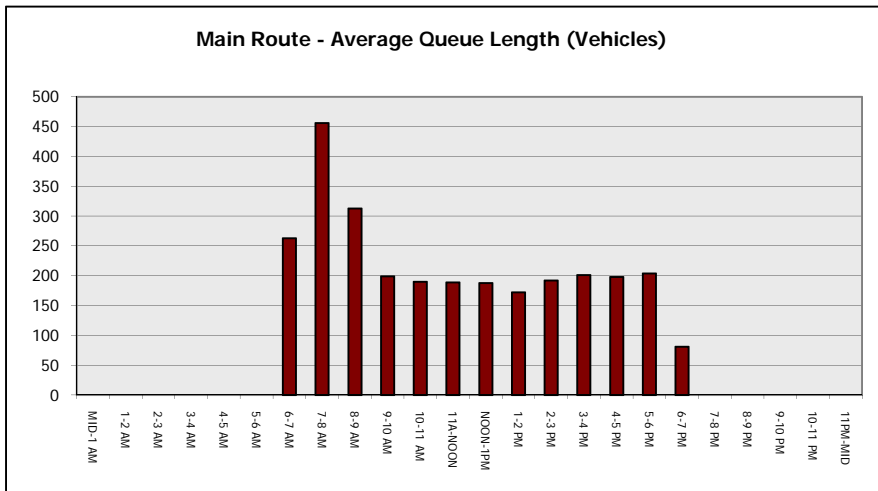
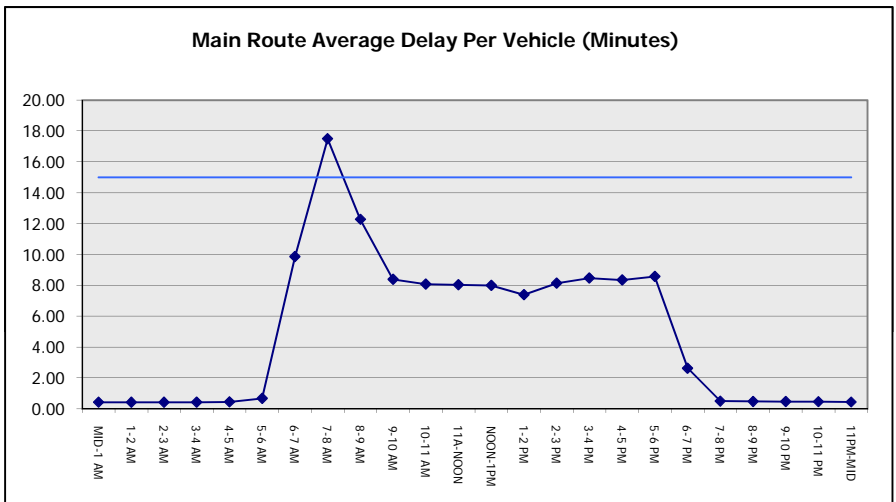
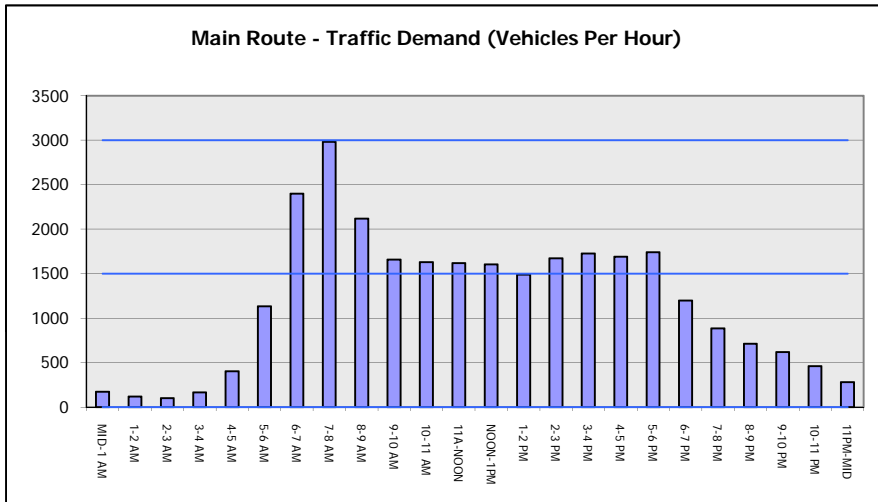
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$51,387
CONGESTED HOURS PER DAY*	1

*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**

AUGUST
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	AUGUST
	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			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		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	317	0.0	38	0.0	1500	317	0	38	0.45	0	65.8	55.9	44.2	19.6	19.6
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	131	0.0	15	0.0	1500	131	0	15	0.44	0	66.1	56.4	45.0	19.7	19.7
3-4 AM	131	0.0	15	0.0	1500	131	0	15	0.44	0	66.1	56.4	45.0	19.7	19.7
4-5 AM	203	0.0	24	0.0	1500	203	0	24	0.44	0	66.0	56.3	44.6	19.7	19.7
5-6 AM	440	0.0	53	0.0	1500	440	0	53	0.47	0	65.6	55.5	43.7	19.6	19.6
6-7 AM	981	0.0	116	0.0	1500	981	0	116	0.52	0	64.6	53.8	41.7	19.1	19.1
7-8 AM	1272	0.0	151	0.0	1500	1272	0	151	0.73	0	64.0	50.1	36.3	18.9	18.9
8-9 AM	1261	0.0	150	0.0	1500	1261	0	150	0.72	0	64.0	50.3	36.6	18.9	18.9
9-10 AM	1259	0.0	150	0.0	1500	1259	0	150	0.71	0	64.0	50.4	36.6	18.9	18.9
10-11 AM	1381	0.0	165	0.0	1499	1381	0	165	0.87	0	63.8	47.9	33.4	18.9	18.9
11A-NOON	1516	0.0	181	0.0	1499	1516	0	181	1.22	5	63.6	43.5	30.8	18.8	18.8
NOON-1PM	1469	0.0	175	0.0	1499	1469	0	175	1.14	4	63.7	44.4	31.2	18.8	18.8
1-2 PM	1526	0.0	181	0.0	1499	1526	0	181	1.35	10	63.5	42.1	31.1	18.8	18.8
2-3 PM	1938	0.0	231	0.0	1500	1706	232	463	7.21	180	62.8	17.0	30.8	18.4	17.0
3-4 PM	2371	0.0	283	0.0	1500	1584	787	1070	11.82	294	62.0	11.7	30.8	18.1	13.4
4-5 PM	2790	0.0	333	0.0	1500	1616	1174	1506+	15.55	400	57.9	10.1	30.8	17.8	11.4
5-6 PM	2840	0.0	338	0.0	1499	1474	1366	1704+	17.52	454	57.4	9.5	30.8	17.8	10.6
6-7 PM	1801	0.0	214	0.0	1499	1262	539	753	10.01	253	63.0	13.4	31.7	18.6	15.3
7-8 PM	1151	0.0	137	0.0	1499	1151	0	137	2.10	64	64.2	35.6	37.1	19.0	19.0
8-9 PM	1003	0.0	118	0.0	1500	1003	0	118	0.52	0	64.5	53.8	41.7	19.1	19.1
9-10 PM	845	0.0	100	0.0	1500	845	0	100	0.50	0	64.8	54.3	42.2	19.3	19.3
10-11 PM	642	0.0	76	0.0	1500	642	0	76	0.48	0	65.2	54.9	43.0	19.4	19.4
11PM-MID	486	0.0	58	0.0	1500	486	0	58	0.47	0	65.5	55.3	43.5	19.5	19.5

+ 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	0.0125
MAIN ROUTE WITH WORKS	0.0091
DIVERSION	0.0279

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$37,644
CONGESTED HOURS PER DAY*	2

*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**

AUGUST
 Analyzed for 2009
 Construction Season

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

