

<b>IH 43: STH 57 TO STH 32 (OZAUKEE COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 32 - CTH W - STH 33</b>	<b>OCTOBER</b>
	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	136	0.0	4	0.0	1500	136	0	4	0.44	0	66.1	57.3	45.0	24.8	24.8
1-2 AM	111	0.0	3	0.0	1500	111	0	3	0.43	0	66.2	57.3	45.0	24.8	24.8
2-3 AM	96	0.0	3	0.0	1500	96	0	3	0.43	0	66.2	57.4	45.1	24.8	24.8
3-4 AM	155	0.0	5	0.0	1500	155	0	5	0.44	0	66.1	57.2	44.8	24.8	24.8
4-5 AM	303	0.0	10	0.0	1500	303	0	10	0.45	0	65.8	56.8	44.3	24.8	24.8
5-6 AM	1016	0.0	32	0.0	1499	1016	0	32	0.60	0	64.5	53.4	39.6	24.6	24.6
6-7 AM	2219	0.0	70	0.0	1499	1791	428	498	7.74	201	62.2	17.3	30.8	24.3	21.0
7-8 AM	2758	0.0	87	0.0	1500	1562	1196	1282+	13.63	347	58.2	11.2	30.8	24.2	15.1
8-9 AM	1892	0.0	60	0.0	1499	1337	555	614	9.56	236	62.8	14.8	31.2	24.4	20.1
9-10 AM	1381	0.0	43	0.0	1499	1368	14	57	5.86	136	63.8	21.2	31.4	24.5	24.4
10-11 AM	1313	0.0	41	0.0	1500	1313	0	41	1.07	9	64.0	46.7	34.7	24.5	24.5
11A-NOON	1380	0.0	43	0.0	1500	1380	0	43	0.87	0	63.8	49.1	33.4	24.5	24.5
NOON-1PM	1433	0.0	45	0.0	1500	1433	0	45	0.94	0	63.7	48.3	32.2	24.5	24.5
1-2 PM	1461	0.0	47	0.0	1499	1461	0	47	0.97	0	63.7	47.8	31.6	24.5	24.5
2-3 PM	1576	0.0	50	0.0	1499	1576	0	50	2.11	32	63.5	36.9	30.8	24.5	24.5
3-4 PM	1652	0.0	52	0.0	1500	1617	35	87	6.20	144	63.3	20.4	30.8	24.5	24.2
4-5 PM	1606	0.0	51	0.0	1499	1490	116	167	7.76	181	63.4	17.4	30.8	24.5	23.5
5-6 PM	1785	0.0	56	0.0	1500	1513	272	329	8.34	197	63.0	16.5	30.8	24.4	22.3
6-7 PM	1362	0.0	43	0.0	1499	1344	18	62	5.66	134	63.8	21.7	31.9	24.5	24.3
7-8 PM	979	0.0	31	0.0	1500	979	0	31	0.57	1	64.6	53.9	41.7	24.6	24.6
8-9 PM	702	0.0	22	0.0	1500	702	0	22	0.49	0	65.1	55.5	42.7	24.7	24.7
9-10 PM	579	0.0	18	0.0	1500	579	0	18	0.48	0	65.3	55.9	43.2	24.7	24.7
10-11 PM	525	0.0	16	0.0	1500	525	0	16	0.47	0	65.4	56.1	43.4	24.7	24.7
11PM-MID	349	0.0	11	0.0	1500	349	0	11	0.46	0	65.8	56.6	44.1	24.8	24.8

+ 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	0.0132
MAIN ROUTE WITH WORKS	0.0103
DIVERSION	0.0172

PIA: Personal Injury Accidents

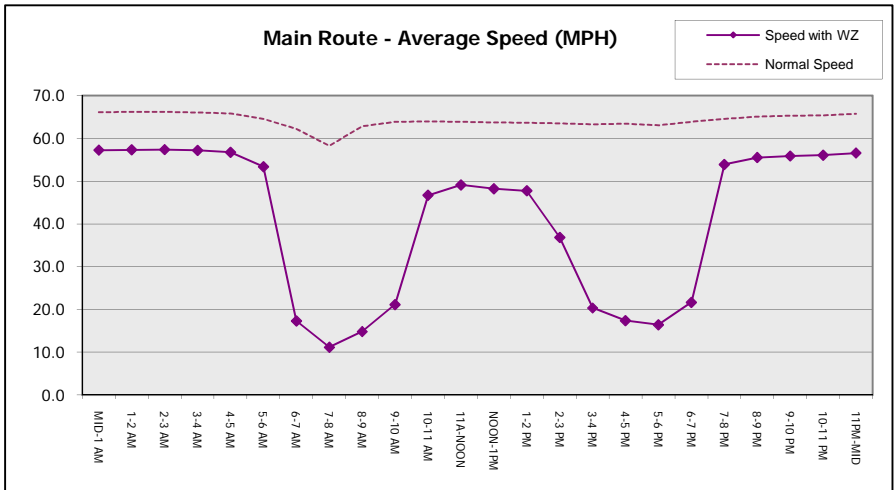
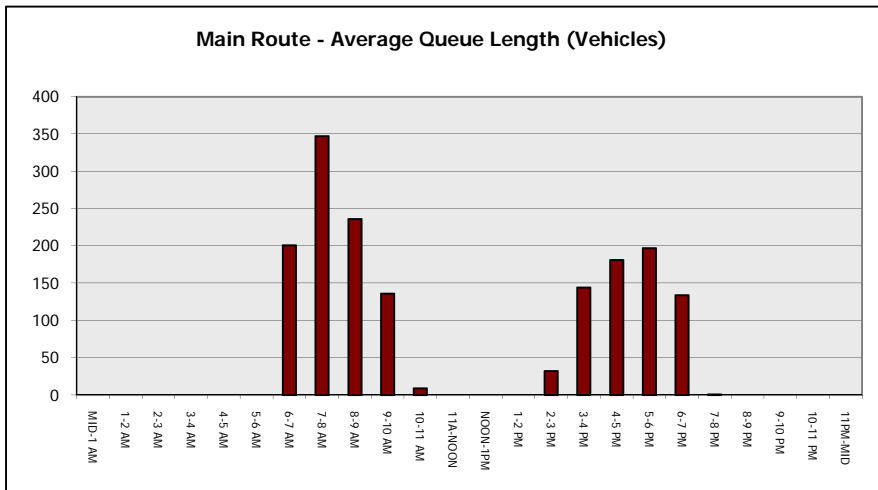
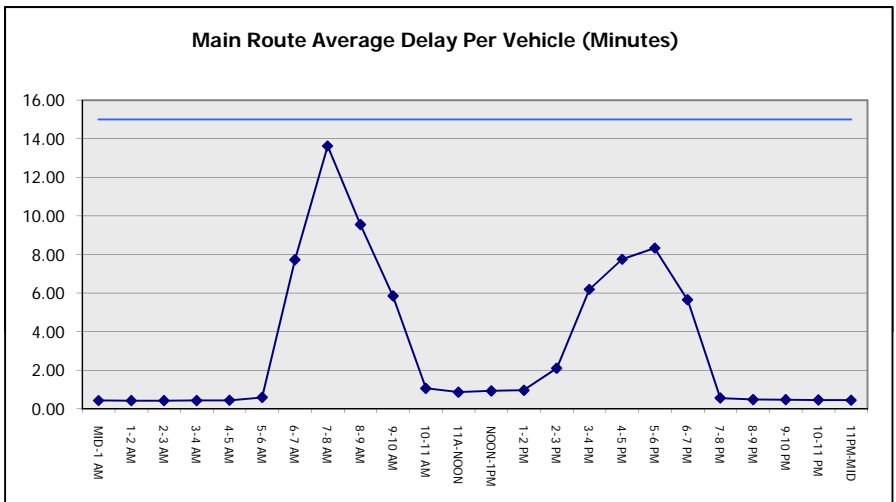
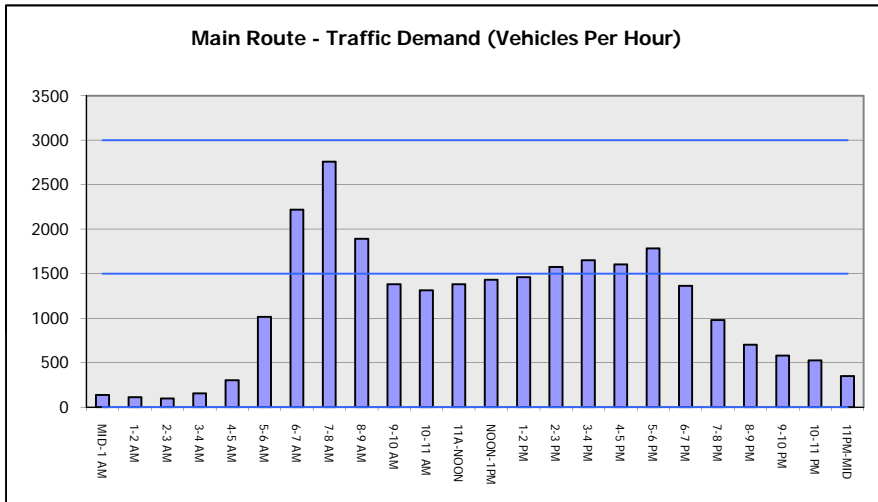
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$32,000
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 43: STH 57 TO STH 32 (OZAUKEE COUNTY)  
 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: STH 32 - CTH W - STH 33**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY SOUTHBOUND DIRECTION**



<b>IH 43: STH 57 TO STH 32 (OZAUKEE COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 32 - CTH W - STH 33</b>	<b>OCTOBER</b>
	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			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	255	0.0	8	0.0	1500	255	0	8	0.45	0	65.9	56.9	44.5	24.8	24.8
1-2 AM	159	0.0	5	0.0	1500	159	0	5	0.44	0	66.1	57.2	44.8	24.8	24.8
2-3 AM	141	0.0	4	0.0	1500	141	0	4	0.44	0	66.1	57.3	44.9	24.8	24.8
3-4 AM	151	0.0	4	0.0	1500	151	0	4	0.44	0	66.1	57.2	44.9	24.8	24.8
4-5 AM	191	0.0	6	0.0	1500	191	0	6	0.44	0	66.0	57.1	44.7	24.8	24.8
5-6 AM	428	0.0	13	0.0	1500	428	0	13	0.46	0	65.6	56.4	43.8	24.7	24.7
6-7 AM	1008	0.0	31	0.0	1500	1008	0	31	0.52	0	64.5	54.6	41.7	24.6	24.6
7-8 AM	1256	0.0	40	0.0	1500	1256	0	40	0.71	0	64.0	51.5	36.8	24.5	24.5
8-9 AM	1239	0.0	39	0.0	1500	1239	0	39	0.69	0	64.1	51.8	37.3	24.5	24.5
9-10 AM	1326	0.0	42	0.0	1499	1326	0	42	0.80	0	63.9	50.2	34.8	24.5	24.5
10-11 AM	1577	0.0	50	0.0	1499	1577	0	50	1.71	21	63.5	40.1	30.8	24.5	24.5
11A-NOON	1872	0.0	60	0.0	1500	1637	235	295	7.82	189	62.9	17.3	30.8	24.4	22.6
NOON-1PM	1977	0.0	63	0.0	1500	1511	466	529	9.16	220	62.7	15.3	30.8	24.3	20.8
1-2 PM	2075	0.0	65	0.0	1499	1519	556	621	9.57	232	62.5	14.8	30.8	24.3	20.1
2-3 PM	2509	0.0	79	0.0	1500	1580	928	1007	11.66	291	60.8	12.6	30.8	24.2	17.1
3-4 PM	2898	0.0	91	0.0	1500	1596	1302	1393+	14.63	377	56.8	10.7	30.8	24.2	14.4
4-5 PM	3151	0.0	100	0.0	1500	1553	1598	1697+	17.75	467	54.2	9.7	30.8	24.1	12.8
5-6 PM	3131	0.0	98	0.0	1500	1490	1641	1740+	18.11	476	54.4	9.6	30.8	24.1	12.7
6-7 PM	2476	0.0	78	0.0	1499	1304	1172	1250+	13.59	347	61.2	11.5	30.8	24.2	15.5
7-8 PM	1602	0.0	51	0.0	1500	1388	214	265	7.98	190	63.4	17.0	31.1	24.5	22.8
8-9 PM	1303	0.0	41	0.0	1499	1303	0	41	3.02	75	64.0	31.4	33.3	24.5	24.5
9-10 PM	1098	0.0	35	0.0	1500	1098	0	35	0.53	0	64.3	54.4	41.4	24.6	24.6
10-11 PM	856	0.0	27	0.0	1500	856	0	27	0.51	0	64.8	55.1	42.2	24.7	24.7
11PM-MID	501	0.0	16	0.0	1500	501	0	16	0.47	0	65.5	56.1	43.5	24.7	24.7

+ 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	0.0164
MAIN ROUTE WITH WORKS	0.0107
DIVERSION	0.0452

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$68,690
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding 15 Minutes

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 DIVERSION ROUTE: STH 32 - CTH W - STH 33**

**OCTOBER**  
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY NORTHBOUND DIRECTION**

