

<b>IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)</b> <b>CONTINUOUS (24 HOUR) 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: BELTLINE - USH 51 - STH 30</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      WESTBOUND 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	410	0.0	215	0.0	1500	410	0	215	0.52	0	70.2	60.9	43.8	33.9	33.9
1-2 AM	317	0.0	166	0.0	1500	317	0	166	0.51	0	70.2	61.0	44.2	34.1	34.1
2-3 AM	284	0.0	149	0.0	1500	284	0	149	0.51	0	70.2	61.1	44.3	34.2	34.2
3-4 AM	309	0.0	161	0.0	1500	309	0	161	0.51	0	70.2	61.0	44.3	34.1	34.1
4-5 AM	476	0.0	249	0.0	1500	476	0	249	0.53	0	70.1	60.7	43.6	33.7	33.7
5-6 AM	1035	0.0	542	0.0	1499	1035	0	542	0.68	0	69.4	58.1	39.4	32.5	32.5
6-7 AM	2349	0.0	1230	0.0	1499	1864	485	1715+	9.19	245	67.8	18.8	30.8	29.7	27.6
7-8 AM	3428	0.0	1794	0.0	1500	1638	1789	3583+	19.05	474	66.4	10.6	30.8	27.3	19.9
8-9 AM	2773	0.0	1452	0.0	1500	1361	1412	2864+	16.12	397	67.3	12.2	30.8	28.8	22.9
9-10 AM	2161	0.0	1133	0.0	1500	1442	718	1852+	13.09	315	68.1	14.5	30.8	30.1	27.1
10-11 AM	2207	0.0	1158	0.0	1499	1512	695	1853+	13.09	315	68.0	14.4	30.8	29.9	27.1
11A-NOON	2337	0.0	1226	0.0	1500	1514	823	2049+	13.60	328	67.8	14.0	30.8	29.7	26.3
NOON-1PM	2402	0.0	1259	0.0	1500	1507	894	2153+	13.89	336	67.8	13.8	30.8	29.6	25.8
1-2 PM	2526	0.0	1325	0.0	1500	1517	1009	2333+	14.40	350	67.6	13.4	30.8	29.2	25.0
2-3 PM	2781	0.0	1459	0.0	1500	1543	1239	2697+	15.54	380	67.3	12.5	30.8	28.7	23.5
3-4 PM	3425	0.0	1795	0.0	1500	1621	1804	3599+	19.12	476	66.5	10.6	30.8	27.3	19.8
4-5 PM	3867	0.0	2027	0.0	1500	1575	2292	4319+	23.07	582	64.5	8.9	30.8	26.3	16.8
5-6 PM	3429	0.0	1796	0.0	1500	1356	2073	3869+	20.49	514	66.4	9.9	30.8	27.3	18.6
6-7 PM	2279	0.0	1193	0.0	1500	1356	923	2116+	13.79	336	67.9	13.8	30.8	29.8	26.0
7-8 PM	1715	0.0	897	0.0	1499	1459	256	1153	11.51	273	68.6	16.0	30.8	31.1	30.0
8-9 PM	1506	0.0	788	0.0	1499	1464	42	830	10.69	251	68.9	17.0	30.8	31.5	31.3
9-10 PM	1240	0.0	649	0.0	1499	1240	0	649	4.46	119	69.2	30.3	33.7	32.0	32.0
10-11 PM	928	0.0	486	0.0	1500	928	0	486	0.58	0	69.6	59.6	41.9	32.7	32.7
11PM-MID	634	0.0	332	0.0	1500	634	0	332	0.55	0	69.9	60.3	43.0	33.4	33.4

+ 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	0.0285
MAIN ROUTE WITH WORKS	0.0162
DIVERSION	0.4185

PIA: Personal Injury Accidents

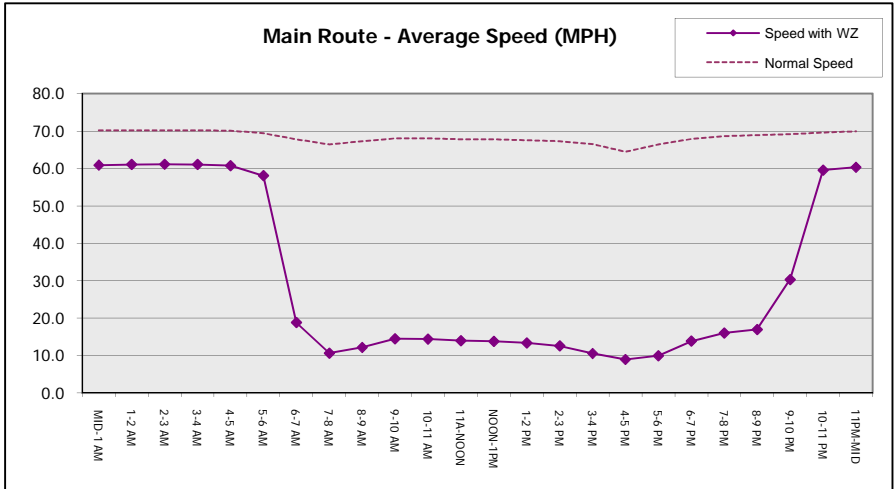
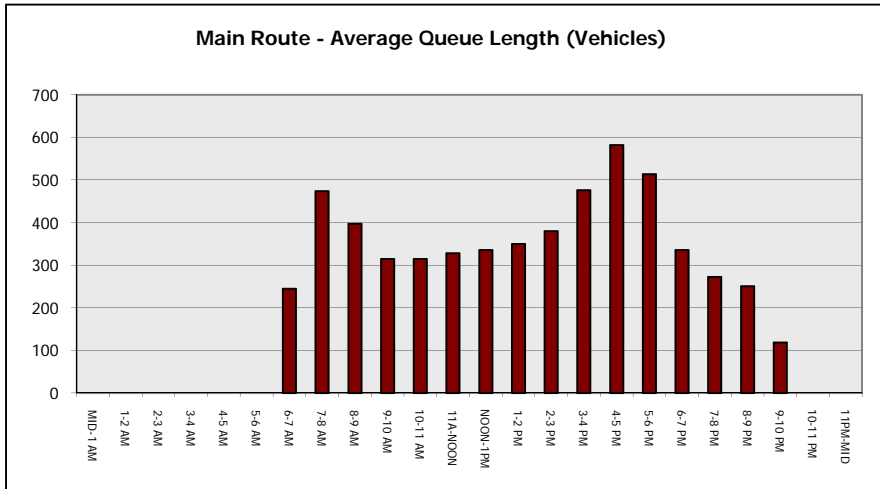
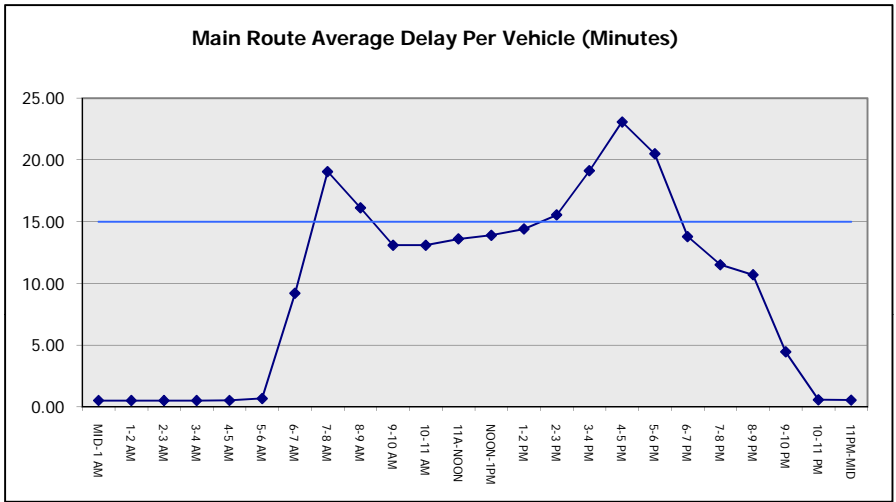
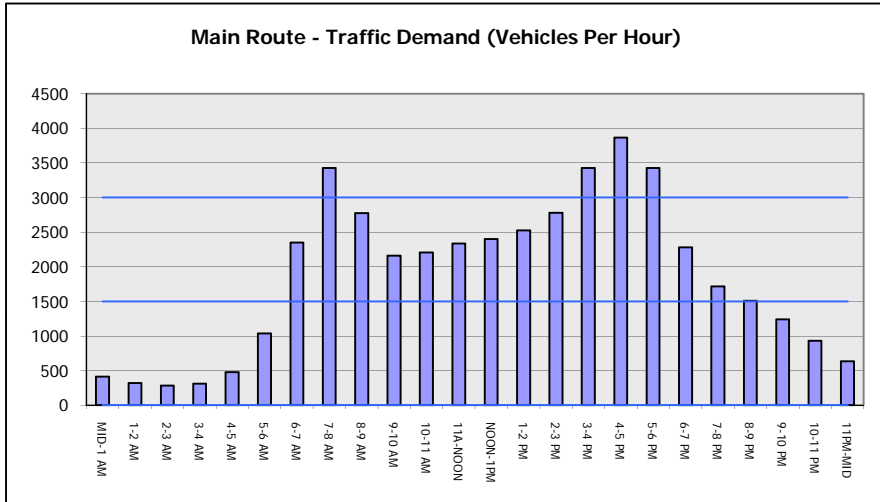
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$171,643
CONGESTED HOURS PER DAY*	6

\*Delays Exceeding 15 Minutes

**IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)**  
**CONTINUOUS (24 HOUR) 2 LANE CLOSURE**  
**DIVERSION ROUTE: BELTLINE - USH 51 - STH 30**

**MAY**  
 Analyzed for 2009  
 Construction Season

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



<b>IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)</b> <b>CONTINUOUS (24 HOUR) 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: BELTLINE - USH 51 - STH 30</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR EASTBOUND 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		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	370	0.0	195	0.0	1500	370	0	195	0.52	0	70.2	60.9	44.0	34.0	34.0
1-2 AM	278	0.0	145	0.0	1500	278	0	145	0.51	0	70.2	61.1	44.4	34.2	34.2
2-3 AM	285	0.0	150	0.0	1500	285	0	150	0.51	0	70.2	61.1	44.3	34.2	34.2
3-4 AM	316	0.0	164	0.0	1500	316	0	164	0.51	0	70.2	61.0	44.2	34.1	34.1
4-5 AM	458	0.0	240	0.0	1500	458	0	240	0.53	0	70.2	60.8	43.7	33.8	33.8
5-6 AM	1166	0.0	611	0.0	1499	1166	0	611	0.79	0	69.3	56.4	36.9	32.2	32.2
6-7 AM	2757	0.0	1443	0.0	1499	1915	842	2285+	13.46	343	67.3	14.1	30.8	28.8	25.3
7-8 AM	3163	0.0	1656	0.0	1499	1521	1642	3298+	17.79	439	66.8	11.2	30.8	27.9	21.1
8-9 AM	2477	0.0	1296	0.0	1500	1398	1079	2375+	14.53	354	67.6	13.3	30.8	29.4	24.9
9-10 AM	2224	0.0	1166	0.0	1499	1481	743	1909+	13.24	319	68.0	14.3	30.8	29.9	26.8
10-11 AM	2216	0.0	1162	0.0	1499	1503	713	1875+	13.15	316	68.0	14.4	30.8	29.9	27.0
11A-NOON	2335	0.0	1223	0.0	1499	1514	821	2044+	13.59	328	67.8	14.0	30.8	29.7	26.3
NOON-1PM	2430	0.0	1272	0.0	1500	1510	920	2193+	14.00	339	67.7	13.7	30.8	29.5	25.6
1-2 PM	2505	0.0	1312	0.0	1500	1511	995	2307+	14.32	347	67.6	13.4	30.8	29.3	25.2
2-3 PM	2724	0.0	1427	0.0	1499	1533	1191	2618+	15.28	373	67.4	12.7	30.8	28.8	23.8
3-4 PM	3084	0.0	1617	0.0	1500	1563	1521	3137+	17.13	423	66.9	11.6	30.8	28.1	21.7
4-5 PM	3648	0.0	1913	0.0	1500	1598	2050	3963+	20.98	525	66.0	9.7	30.8	26.8	18.3
5-6 PM	3326	0.0	1743	0.0	1500	1393	1932	3676+	19.51	486	66.6	10.4	30.8	27.5	19.4
6-7 PM	2323	0.0	1218	0.0	1500	1372	951	2169+	13.94	339	67.9	13.7	30.8	29.7	25.7
7-8 PM	1759	0.0	922	0.0	1499	1456	303	1225+	11.66	277	68.6	15.8	30.8	30.9	29.7
8-9 PM	1472	0.0	771	0.0	1499	1443	29	801	10.49	246	68.9	17.2	30.8	31.5	31.4
9-10 PM	1226	0.0	642	0.0	1499	1226	0	642	3.55	97	69.2	34.2	34.6	32.1	32.1
10-11 PM	898	0.0	471	0.0	1500	898	0	471	0.58	0	69.6	59.7	42.0	32.8	32.8
11PM-MID	590	0.0	310	0.0	1500	590	0	310	0.54	0	70.0	60.4	43.2	33.5	33.5

+ 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	0.0280
MAIN ROUTE WITH WORKS	0.0162
DIVERSION	0.4067

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$162,708
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding 15 Minutes

**IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)**  
**CONTINUOUS (24 HOUR) 2 LANE CLOSURE**  
**DIVERSION ROUTE: BELTLINE - USH 51 - STH 30**

**MAY**  
 Analyzed for 2009  
 Construction Season

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

