

<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>OCTOBER</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	402	0.0	211	0.0	1500	402	0	211	0.52	0	70.2	60.9	43.9	33.9	33.9
1-2 AM	327	0.0	172	0.0	1500	327	0	172	0.51	0	70.2	61.0	44.2	34.0	34.0
2-3 AM	293	0.0	154	0.0	1500	293	0	154	0.51	0	70.2	61.1	44.3	34.2	34.2
3-4 AM	338	0.0	177	0.0	1500	338	0	177	0.51	0	70.2	61.0	44.2	34.0	34.0
4-5 AM	509	0.0	267	0.0	1500	509	0	267	0.53	0	70.1	60.7	43.5	33.7	33.7
5-6 AM	1093	0.0	573	0.0	1499	1093	0	573	0.72	0	69.4	57.5	38.5	32.4	32.4
6-7 AM	2374	0.0	1245	0.0	1499	1871	503	1748+	9.21	247	67.8	18.8	30.8	29.6	27.5
7-8 AM	3712	0.0	1946	0.0	1500	1703	2009	3955+	20.92	526	65.5	9.7	30.8	26.6	18.3
8-9 AM	2969	0.0	1558	0.0	1500	1310	1659	3217+	17.46	434	67.1	11.4	30.8	28.3	21.4
9-10 AM	2166	0.0	1135	0.0	1500	1420	746	1881+	13.17	317	68.1	14.3	30.8	30.1	27.0
10-11 AM	2166	0.0	1135	0.0	1499	1509	657	1792+	12.94	311	68.1	14.6	30.8	30.1	27.3
11A-NOON	2300	0.0	1205	0.0	1499	1515	785	1990+	13.45	324	67.9	14.2	30.8	29.7	26.5
NOON-1PM	2381	0.0	1248	0.0	1500	1509	872	2121+	13.80	333	67.8	13.8	30.8	29.6	26.0
1-2 PM	2477	0.0	1298	0.0	1500	1514	963	2260+	14.19	344	67.6	13.5	30.8	29.4	25.3
2-3 PM	2771	0.0	1452	0.0	1500	1549	1222	2675+	15.46	378	67.3	12.6	30.8	28.8	23.7
3-4 PM	3466	0.0	1817	0.0	1500	1636	1830	3646+	19.35	483	66.4	10.4	30.8	27.2	19.6
4-5 PM	4088	0.0	2143	0.0	1500	1632	2456	4599+	24.95	634	62.9	8.3	30.8	25.8	15.6
5-6 PM	3724	0.0	1952	0.0	1500	1332	2392	4344+	23.29	589	65.4	8.9	30.8	26.6	16.7
6-7 PM	2369	0.0	1239	0.0	1500	1311	1057	2296+	14.30	351	67.8	13.5	30.9	29.6	25.2
7-8 PM	1633	0.0	853	0.0	1499	1438	194	1047	11.22	265	68.7	16.3	30.8	31.2	30.4
8-9 PM	1371	0.0	717	0.0	1499	1371	0	717	8.53	198	69.1	20.0	30.8	31.8	31.8
9-10 PM	1201	0.0	629	0.0	1499	1201	0	629	1.59	30	69.2	47.4	37.1	32.2	32.2
10-11 PM	906	0.0	474	0.0	1500	906	0	474	0.58	0	69.6	59.6	42.0	32.8	32.8
11PM-MID	617	0.0	323	0.0	1500	617	0	323	0.55	0	70.0	60.4	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	0.0291
MAIN ROUTE WITH WORKS	0.0162
DIVERSION	0.4325

PIA: Personal Injury Accidents

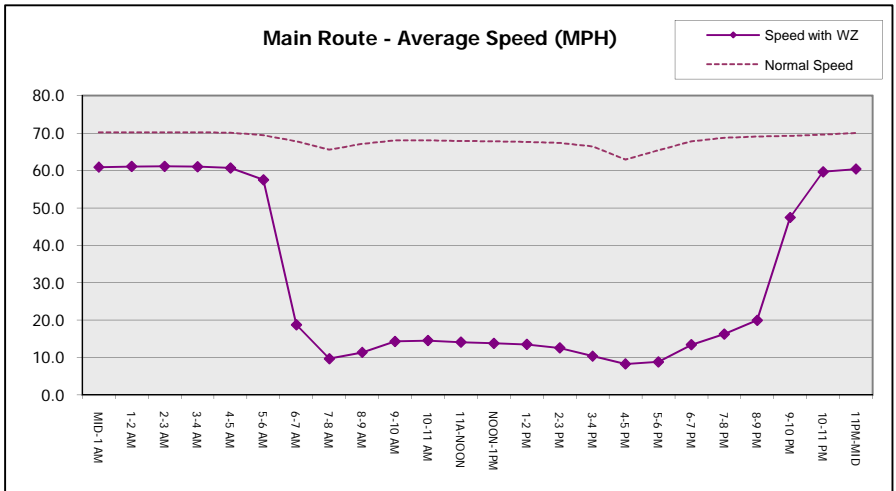
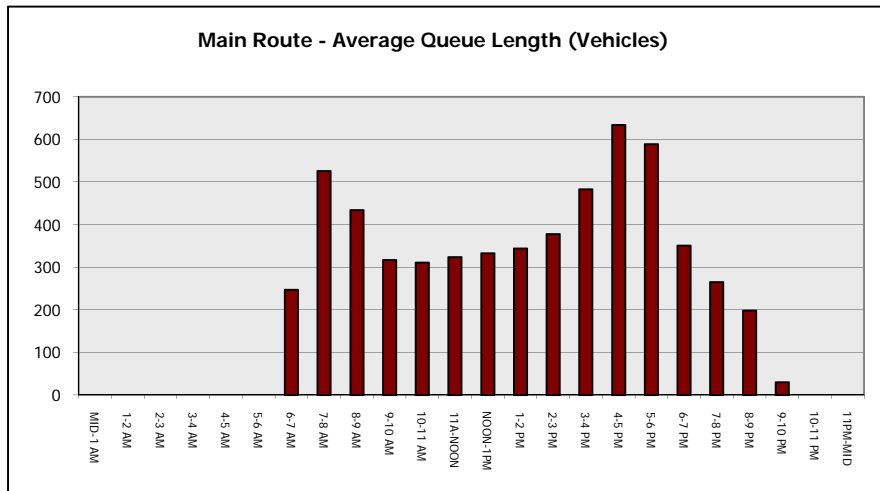
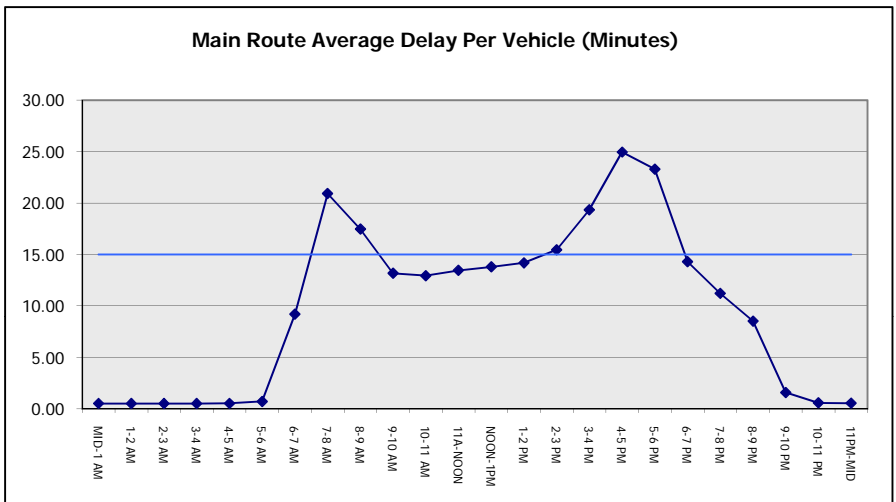
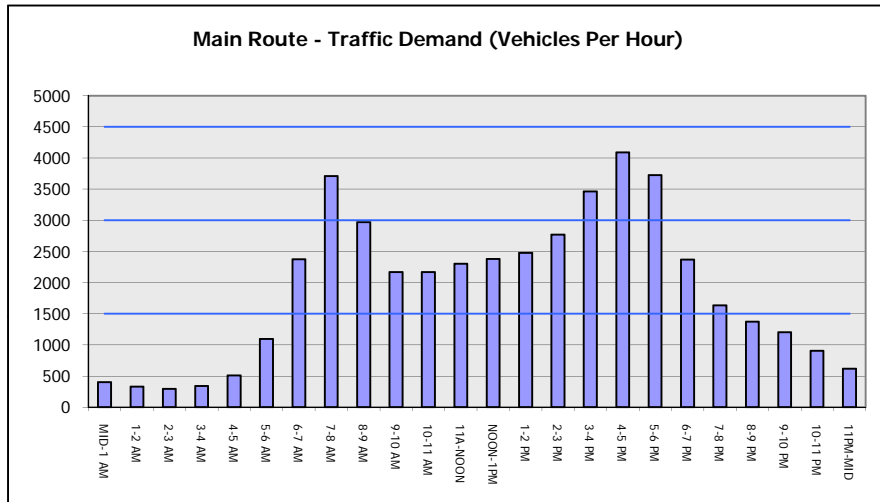
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$184,247
CONGESTED HOURS PER DAY*	6

\*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**

**OCTOBER**  
 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>OCTOBER</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			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	378	0.0	198	0.0	1500	378	0	198	0.52	0	70.2	60.9	44.0	34.0	34.0
1-2 AM	321	0.0	170	0.0	1500	321	0	170	0.51	0	70.2	61.0	44.2	34.1	34.1
2-3 AM	323	0.0	171	0.0	1500	323	0	171	0.51	0	70.2	61.0	44.2	34.1	34.1
3-4 AM	392	0.0	206	0.0	1500	392	0	206	0.52	0	70.2	60.9	43.9	33.9	33.9
4-5 AM	509	0.0	267	0.0	1500	509	0	267	0.53	0	70.1	60.7	43.5	33.7	33.7
5-6 AM	1197	0.0	629	0.0	1499	1197	0	629	0.81	0	69.2	56.1	36.5	32.2	32.2
6-7 AM	2812	0.0	1475	0.0	1499	1931	882	2357+	13.72	352	67.3	13.9	30.8	28.6	25.0
7-8 AM	3546	0.0	1861	0.0	1499	1583	1963	3824+	20.25	505	66.3	10.1	30.8	27.0	18.8
8-9 AM	2713	0.0	1423	0.0	1500	1344	1370	2793+	15.87	391	67.4	12.4	30.8	28.9	23.2
9-10 AM	2330	0.0	1221	0.0	1499	1467	863	2084+	13.70	331	67.8	13.9	30.8	29.7	26.1
10-11 AM	2267	0.0	1188	0.0	1499	1499	768	1956+	13.36	322	67.9	14.2	30.8	29.8	26.6
11A-NOON	2370	0.0	1242	0.0	1499	1512	857	2099+	13.74	332	67.8	13.9	30.8	29.6	26.0
NOON-1PM	2410	0.0	1263	0.0	1500	1505	905	2168+	13.93	337	67.8	13.7	30.8	29.5	25.8
1-2 PM	2550	0.0	1335	0.0	1500	1520	1030	2366+	14.49	352	67.6	13.3	30.8	29.2	24.9
2-3 PM	2803	0.0	1468	0.0	1500	1539	1264	2732+	15.66	383	67.3	12.5	30.8	28.7	23.4
3-4 PM	3238	0.0	1697	0.0	1499	1582	1656	3354+	18.02	446	66.7	11.1	30.8	27.7	20.8
4-5 PM	3874	0.0	2031	0.0	1500	1623	2250	4281+	22.82	576	64.4	9.1	30.8	26.3	17.0
5-6 PM	3440	0.0	1804	0.0	1500	1350	2090	3894+	20.63	517	66.4	9.9	30.8	27.3	18.6
6-7 PM	2331	0.0	1221	0.0	1500	1357	973	2194+	14.01	341	67.8	13.7	30.8	29.7	25.6
7-8 PM	1727	0.0	905	0.0	1499	1454	273	1178	11.56	274	68.6	16.0	30.8	31.0	29.9
8-9 PM	1396	0.0	731	0.0	1499	1384	12	744	9.38	219	69.0	18.6	30.8	31.7	31.7
9-10 PM	1170	0.0	613	0.0	1499	1170	0	613	1.81	41	69.3	45.5	37.6	32.2	32.2
10-11 PM	882	0.0	463	0.0	1500	882	0	463	0.57	0	69.6	59.7	42.1	32.9	32.9
11PM-MID	608	0.0	319	0.0	1500	608	0	319	0.54	0	70.0	60.4	43.1	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	0.0290
MAIN ROUTE WITH WORKS	0.0162
DIVERSION	0.4303

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$177,979
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**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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

