

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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

**SATURDAY 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	659	0.0	345	0.0	1500	659	0	345	0.55	0	69.9	60.2	42.9	33.3	33.3
1-2 AM	495	0.0	260	0.0	1500	495	0	260	0.53	0	70.1	60.7	43.5	33.7	33.7
2-3 AM	427	0.0	224	0.0	1500	427	0	224	0.52	0	70.2	60.9	43.8	33.8	33.8
3-4 AM	399	0.0	209	0.0	1500	399	0	209	0.52	0	70.2	60.9	43.9	33.9	33.9
4-5 AM	412	0.0	216	0.0	1500	412	0	216	0.52	0	70.2	60.9	43.8	33.9	33.9
5-6 AM	605	0.0	317	0.0	1500	605	0	317	0.54	0	70.0	60.4	43.1	33.5	33.5
6-7 AM	1045	0.0	547	0.0	1499	1045	0	547	0.63	0	69.4	58.7	40.4	32.5	32.5
7-8 AM	1745	0.0	915	0.0	1499	1745	0	915	3.24	76	68.6	35.6	30.8	31.0	31.0
8-9 AM	2528	0.0	1326	0.0	OFF	2528	0	1326+	0.10	8	67.6	65.7	65.7	29.2	29.2
9-10 AM	3144	0.0	1648	0.0	OFF	3144	0	1648+	0.00	0	66.8	66.8	66.8	27.9	27.9
10-11 AM	3647	0.0	1912	0.0	OFF	3647	0	1912+	0.00	0	66.0	66.0	66.0	26.8	26.8
11A-NOON	3761	0.0	1972	0.0	OFF	3761	0	1972+	0.00	0	65.1	65.1	65.1	26.6	26.6
NOON-1PM	3567	0.0	1870	0.0	OFF	3567	0	1870+	0.00	0	66.3	66.3	66.3	27.0	27.0
1-2 PM	3302	0.0	1732	0.0	OFF	3302	0	1732+	0.00	0	66.6	66.6	66.6	27.6	27.6
2-3 PM	3173	0.0	1664	0.0	OFF	3173	0	1664+	0.00	0	66.8	66.8	66.8	27.8	27.8
3-4 PM	2967	0.0	1555	0.0	OFF	2967	0	1555+	0.00	0	67.1	67.1	67.1	28.3	28.3
4-5 PM	2729	0.0	1430	0.0	OFF	2729	0	1430+	0.00	0	67.3	67.3	67.3	28.8	28.8
5-6 PM	2448	0.0	1284	0.0	OFF	2448	0	1284+	0.00	0	67.7	67.7	67.7	29.4	29.4
6-7 PM	2031	0.0	1064	0.0	1499	1792	239	1303+	9.19	225	68.2	18.9	30.8	30.4	29.4
7-8 PM	1614	0.0	847	0.0	1499	1467	147	994	11.19	264	68.7	16.3	30.8	31.2	30.6
8-9 PM	1436	0.0	753	0.0	1499	1431	5	758	9.98	233	68.9	17.8	30.8	31.6	31.6
9-10 PM	1258	0.0	659	0.0	1499	1258	0	659	3.44	88	69.2	34.8	34.0	32.0	32.0
10-11 PM	946	0.0	496	0.0	1500	946	0	496	0.58	0	69.6	59.6	41.9	32.7	32.7
11PM-MID	756	0.0	397	0.0	1500	756	0	397	0.56	0	69.8	60.0	42.5	33.1	33.1

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0287
MAIN ROUTE WITH WORKS	0.0276
DIVERSION	0.2519

PIA: Personal Injury Accidents

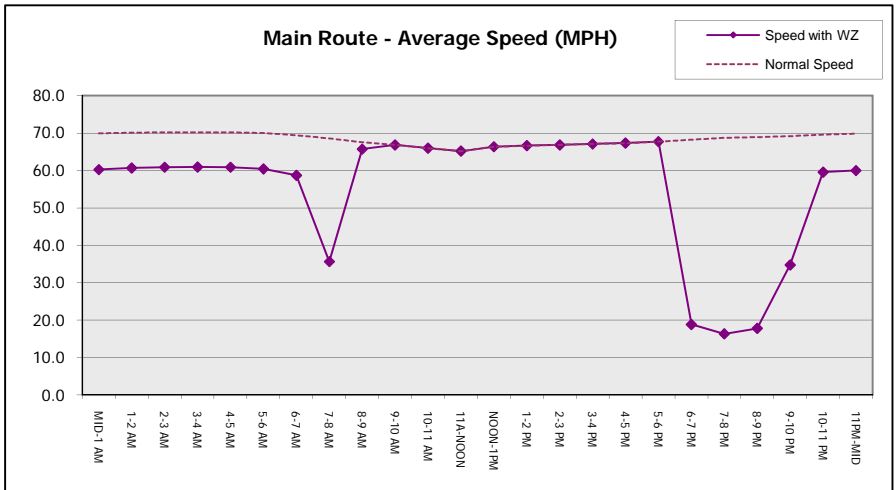
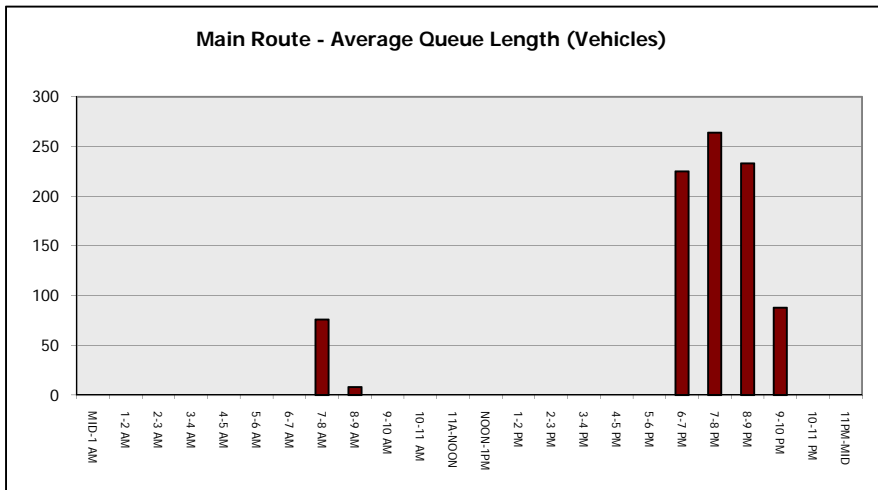
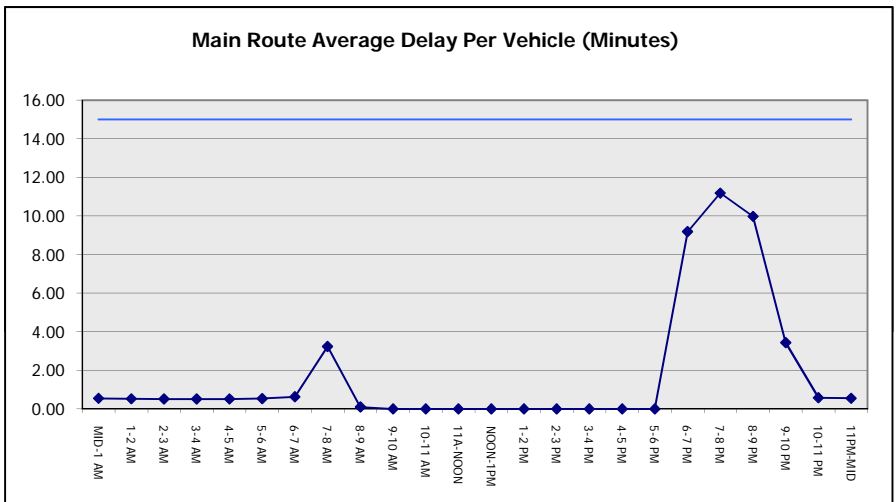
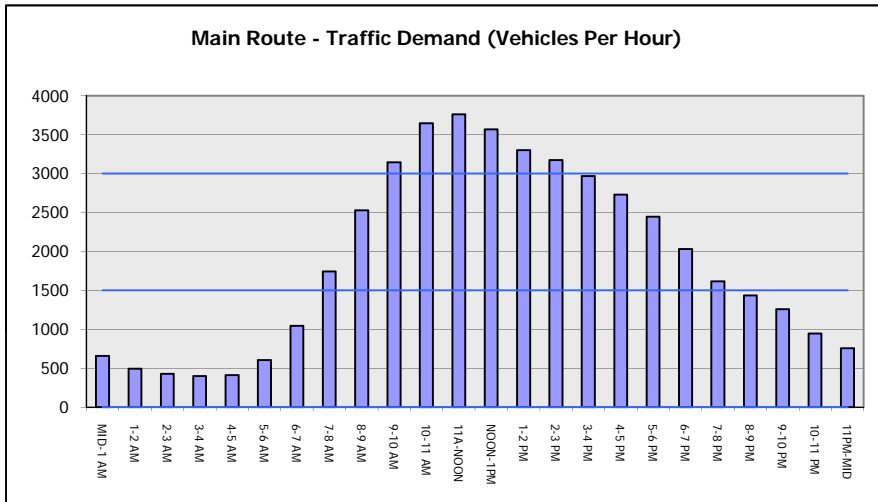
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$18,304
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY WESTBOUND DIRECTION**



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

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
SATURDAY	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		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	667	0.0	349	0.0	1500	667	0	349	0.55	0	69.9	60.2	42.8	33.3	33.3
1-2 AM	428	0.0	225	0.0	1500	428	0	225	0.52	0	70.2	60.9	43.8	33.8	33.8
2-3 AM	393	0.0	206	0.0	1500	393	0	206	0.52	0	70.2	60.9	43.9	33.9	33.9
3-4 AM	346	0.0	181	0.0	1500	346	0	181	0.51	0	70.2	61.0	44.1	34.0	34.0
4-5 AM	378	0.0	198	0.0	1500	378	0	198	0.52	0	70.2	60.9	44.0	34.0	34.0
5-6 AM	478	0.0	250	0.0	1500	478	0	250	0.53	0	70.1	60.7	43.6	33.7	33.7
6-7 AM	846	0.0	444	0.0	1500	846	0	444	0.57	0	69.7	59.8	42.2	32.9	32.9
7-8 AM	1283	0.0	673	0.0	1499	1283	0	673	0.81	0	69.1	56.1	36.3	32.0	32.0
8-9 AM	1820	0.0	954	0.0	OFF	1820	0	954	0.00	0	68.5	68.5	68.5	30.8	30.8
9-10 AM	2301	0.0	1207	0.0	OFF	2301	0	1207+	0.00	0	67.9	67.9	67.9	29.7	29.7
10-11 AM	2848	0.0	1493	0.0	OFF	2848	0	1493+	0.00	0	67.2	67.2	67.2	28.6	28.6
11A-NOON	3282	0.0	1720	0.0	OFF	3282	0	1720+	0.00	0	66.6	66.6	66.6	27.6	27.6
NOON-1PM	3394	0.0	1779	0.0	OFF	3394	0	1779+	0.00	0	66.5	66.5	66.5	27.4	27.4
1-2 PM	3449	0.0	1808	0.0	OFF	3449	0	1808+	0.00	0	66.4	66.4	66.4	27.3	27.3
2-3 PM	3429	0.0	1798	0.0	OFF	3429	0	1798+	0.00	0	66.4	66.4	66.4	27.3	27.3
3-4 PM	3180	0.0	1667	0.0	OFF	3180	0	1667+	0.00	0	66.8	66.8	66.8	27.8	27.8
4-5 PM	3053	0.0	1601	0.0	OFF	3053	0	1601+	0.00	0	66.9	66.9	66.9	28.1	28.1
5-6 PM	2708	0.0	1420	0.0	OFF	2708	0	1420+	0.00	0	67.4	67.4	67.4	28.9	28.9
6-7 PM	2374	0.0	1245	0.0	1499	1831	543	1788+	12.00	296	67.8	15.5	31.9	29.6	27.3
7-8 PM	2007	0.0	1053	0.0	1499	1461	547	1600+	12.48	299	68.2	15.0	30.8	30.4	28.1
8-9 PM	1801	0.0	945	0.0	1499	1483	318	1263+	11.73	279	68.5	15.8	30.8	30.9	29.5
9-10 PM	1602	0.0	840	0.0	1499	1483	119	959	11.12	262	68.7	16.4	30.8	31.3	30.8
10-11 PM	1210	0.0	634	0.0	1499	1210	0	634	4.86	136	69.2	28.8	34.3	32.1	32.1
11PM-MID	875	0.0	458	0.0	1500	875	0	458	0.57	0	69.7	59.7	42.1	32.9	32.9

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0281
MAIN ROUTE WITH WORKS	0.0263
DIVERSION	0.2586

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$28,881
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY EASTBOUND DIRECTION**

