

<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>OCTOBER</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	607	0.0	318	0.0	1500	607	0	318	0.54	0	70.0	60.4	43.1	33.5	33.5
1-2 AM	425	0.0	223	0.0	1500	425	0	223	0.52	0	70.2	60.9	43.8	33.8	33.8
2-3 AM	370	0.0	194	0.0	1500	370	0	194	0.52	0	70.2	60.9	44.0	34.0	34.0
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	382	0.0	200	0.0	1500	382	0	200	0.52	0	70.2	60.9	44.0	34.0	34.0
5-6 AM	627	0.0	329	0.0	1500	627	0	329	0.55	0	69.9	60.4	43.0	33.4	33.4
6-7 AM	971	0.0	509	0.0	1499	971	0	509	0.58	0	69.6	59.5	41.8	32.7	32.7
7-8 AM	1600	0.0	839	0.0	1499	1600	0	839	2.00	32	68.7	43.7	31.4	31.3	31.3
8-9 AM	2237	0.0	1173	0.0	OFF	2237	0	1173	0.03	2	67.9	67.4	67.4	29.9	29.9
9-10 AM	2623	0.0	1375	0.0	OFF	2623	0	1375+	0.00	0	67.5	67.5	67.5	29.1	29.1
10-11 AM	3004	0.0	1575	0.0	OFF	3004	0	1575+	0.00	0	67.0	67.0	67.0	28.2	28.2
11A-NOON	2994	0.0	1570	0.0	OFF	2994	0	1570+	0.00	0	67.0	67.0	67.0	28.3	28.3
NOON-1PM	2984	0.0	1564	0.0	OFF	2984	0	1564+	0.00	0	67.0	67.0	67.0	28.3	28.3
1-2 PM	2838	0.0	1488	0.0	OFF	2838	0	1488+	0.00	0	67.2	67.2	67.2	28.6	28.6
2-3 PM	3252	0.0	1705	0.0	OFF	3252	0	1705+	0.00	0	66.7	66.7	66.7	27.7	27.7
3-4 PM	3288	0.0	1723	0.0	OFF	3288	0	1723+	0.00	0	66.6	66.6	66.6	27.6	27.6
4-5 PM	2976	0.0	1560	0.0	OFF	2976	0	1560+	0.00	0	67.0	67.0	67.0	28.3	28.3
5-6 PM	2912	0.0	1527	0.0	OFF	2912	0	1527+	0.00	0	67.1	67.1	67.1	28.4	28.4
6-7 PM	2356	0.0	1236	0.0	1499	1825	532	1767+	12.13	299	67.8	15.3	32.5	29.6	27.4
7-8 PM	1807	0.0	947	0.0	1499	1447	360	1307+	11.83	281	68.5	15.6	30.8	30.8	29.3
8-9 PM	1399	0.0	734	0.0	1499	1379	20	754	9.39	219	69.0	18.6	30.8	31.7	31.6
9-10 PM	1263	0.0	662	0.0	1499	1263	0	662	2.50	59	69.2	40.2	34.7	32.0	32.0
10-11 PM	938	0.0	492	0.0	1500	938	0	492	0.58	0	69.6	59.6	41.9	32.7	32.7
11PM-MID	663	0.0	347	0.0	1500	663	0	347	0.55	0	69.9	60.2	42.9	33.3	33.3

"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	0.0273
MAIN ROUTE WITH WORKS	0.0259
DIVERSION	0.2450

PIA: Personal Injury Accidents

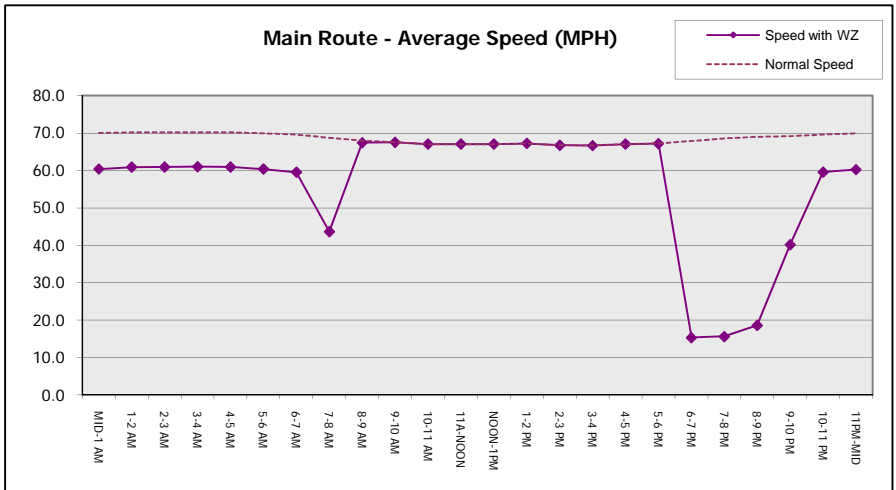
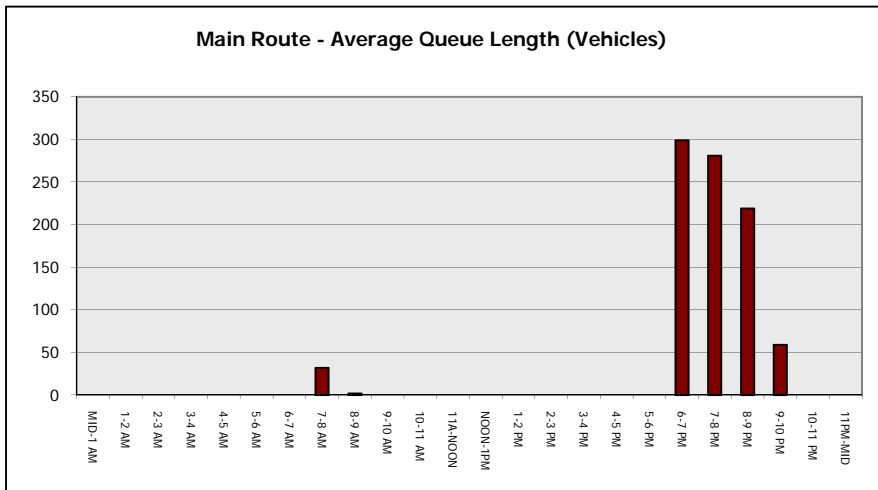
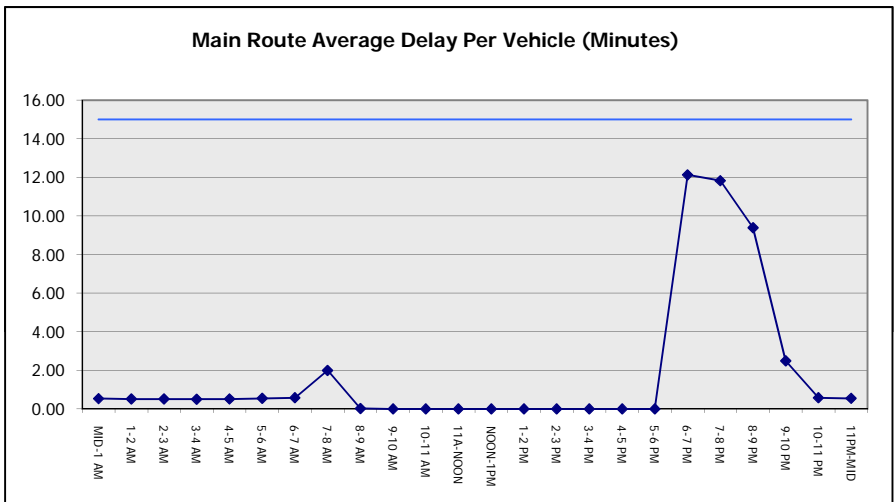
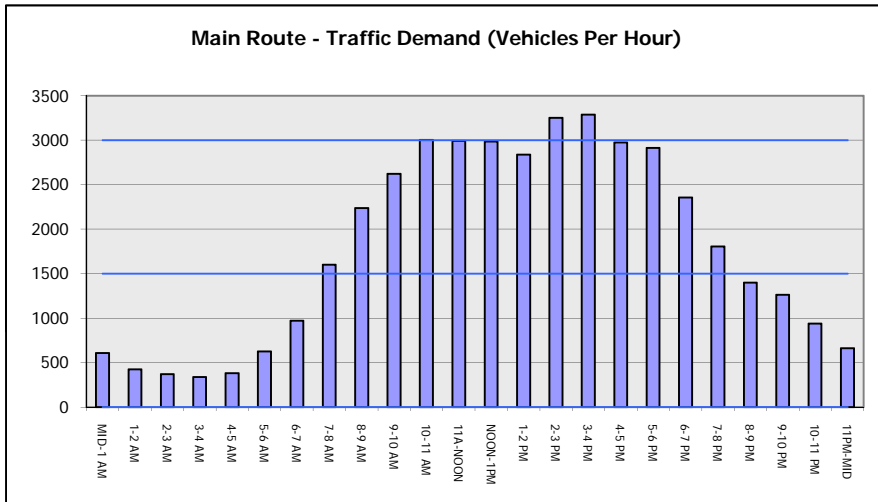
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$20,460
CONGESTED HOURS PER DAY*	0

\*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**

**OCTOBER**  
 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>OCTOBER</b> Analyzed for 2009 Construction Season
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<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		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	526	0.0	276	0.0	1500	526	0	276	0.54	0	70.0	60.6	43.4	33.6	33.6
1-2 AM	376	0.0	197	0.0	1500	376	0	197	0.52	0	70.2	60.9	44.0	34.0	34.0
2-3 AM	343	0.0	180	0.0	1500	343	0	180	0.51	0	70.2	61.0	44.1	34.0	34.0
3-4 AM	320	0.0	167	0.0	1500	320	0	167	0.51	0	70.2	61.0	44.2	34.1	34.1
4-5 AM	369	0.0	194	0.0	1500	369	0	194	0.52	0	70.2	60.9	44.0	34.0	34.0
5-6 AM	471	0.0	247	0.0	1500	471	0	247	0.53	0	70.2	60.7	43.6	33.7	33.7
6-7 AM	886	0.0	465	0.0	1500	886	0	465	0.57	0	69.6	59.7	42.1	32.9	32.9
7-8 AM	1502	0.0	787	0.0	1499	1502	0	787	1.73	27	68.9	46.0	33.3	31.5	31.5
8-9 AM	2608	0.0	1368	0.0	OFF	2608	0	1368+	0.02	1	67.5	67.0	67.0	29.1	29.1
9-10 AM	3086	0.0	1618	0.0	OFF	3086	0	1618+	0.00	0	66.9	66.9	66.9	28.0	28.0
10-11 AM	2825	0.0	1481	0.0	OFF	2825	0	1481+	0.00	0	67.3	67.3	67.3	28.6	28.6
11A-NOON	2705	0.0	1419	0.0	OFF	2705	0	1419+	0.00	0	67.4	67.4	67.4	28.9	28.9
NOON-1PM	2703	0.0	1417	0.0	OFF	2703	0	1417+	0.00	0	67.4	67.4	67.4	28.9	28.9
1-2 PM	2654	0.0	1391	0.0	OFF	2654	0	1391+	0.00	0	67.4	67.4	67.4	29.0	29.0
2-3 PM	2642	0.0	1385	0.0	OFF	2642	0	1385+	0.00	0	67.4	67.4	67.4	29.0	29.0
3-4 PM	2618	0.0	1372	0.0	OFF	2618	0	1372+	0.00	0	67.5	67.5	67.5	29.1	29.1
4-5 PM	2659	0.0	1394	0.0	OFF	2659	0	1394+	0.00	0	67.4	67.4	67.4	28.9	28.9
5-6 PM	2474	0.0	1297	0.0	OFF	2474	0	1297+	0.00	0	67.7	67.7	67.7	29.4	29.4
6-7 PM	2175	0.0	1141	0.0	1499	1812	364	1504+	10.28	251	68.0	17.4	30.8	30.0	28.5
7-8 PM	1798	0.0	943	0.0	1499	1462	337	1280+	11.77	280	68.5	15.7	30.8	30.9	29.4
8-9 PM	1546	0.0	810	0.0	1499	1471	75	885	10.90	256	68.8	16.7	30.8	31.4	31.1
9-10 PM	1302	0.0	682	0.0	1499	1302	0	682	6.79	162	69.1	23.4	32.0	31.9	31.9
10-11 PM	1000	0.0	524	0.0	1500	999	0	524	0.67	2	69.5	58.2	41.7	32.6	32.6
11PM-MID	679	0.0	356	0.0	1500	679	0	356	0.55	0	69.9	60.2	42.8	33.3	33.3

"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	0.0256
MAIN ROUTE WITH WORKS	0.0243
DIVERSION	0.2294

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$21,089
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**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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

