

<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**

**FRIDAY 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	504	0.0	264	0.0	1500	504	0	264	0.53	0	70.1	60.7	43.5	33.7	33.7
1-2 AM	402	0.0	211	0.0	1500	402	0	211	0.52	0	70.2	60.9	43.9	33.9	33.9
2-3 AM	356	0.0	186	0.0	1500	356	0	186	0.52	0	70.2	61.0	44.1	34.0	34.0
3-4 AM	373	0.0	196	0.0	1500	373	0	196	0.52	0	70.2	60.9	44.0	34.0	34.0
4-5 AM	580	0.0	305	0.0	1500	580	0	305	0.54	0	70.0	60.5	43.2	33.5	33.5
5-6 AM	1090	0.0	571	0.0	1499	1090	0	571	0.70	0	69.4	57.7	38.8	32.4	32.4
6-7 AM	2268	0.0	1189	0.0	1499	1855	413	1601+	8.35	227	67.9	20.2	30.8	29.8	28.1
7-8 AM	3540	0.0	1856	0.0	1500	1682	1858	3714+	19.68	492	66.3	10.3	30.8	27.0	19.3
8-9 AM	3049	0.0	1598	0.0	1500	1368	1681	3279+	17.71	439	66.9	11.2	30.8	28.1	21.1
9-10 AM	2621	0.0	1374	0.0	1500	1454	1167	2541+	15.03	366	67.5	12.9	30.8	29.1	24.2
10-11 AM	2850	0.0	1494	0.0	1499	1543	1307	2801+	15.89	389	67.2	12.4	30.8	28.6	23.1
11A-NOON	3177	0.0	1665	0.0	1499	1554	1623	3288+	17.74	438	66.8	11.2	30.8	27.8	21.1
NOON-1PM	3417	0.0	1792	0.0	1500	1545	1871	3663+	19.44	483	66.5	10.4	30.8	27.3	19.5
1-2 PM	3675	0.0	1926	0.0	1500	1560	2114	4041+	21.42	536	65.8	9.6	30.8	26.8	17.9
2-3 PM	3959	0.0	2076	0.0	1500	1598	2361	4437+	23.85	603	63.8	8.7	30.8	26.1	16.3
3-4 PM	4714	0.0	2472	0.0	1499	1500	3214	5685+	26.08	670	58.7	7.9	30.8	24.5	14.9
4-5 PM	5035	0.0	2640	0.0	1499	1500	3535	6175+	25.93	670	56.4	7.9	30.8	23.8	14.9
5-6 PM	4568	0.0	2395	0.0	1500	1500	3068	5464+	26.15	670	59.6	7.9	30.8	24.8	14.9
6-7 PM	3545	0.0	1858	0.0	1500	1303	2242	4101+	21.80	550	66.3	9.4	30.8	27.0	17.7
7-8 PM	2725	0.0	1428	0.0	1499	1393	1332	2760+	15.76	387	67.4	12.4	30.8	28.8	23.3
8-9 PM	2215	0.0	1162	0.0	1499	1451	765	1926+	13.28	320	68.0	14.3	30.8	29.9	26.8
9-10 PM	1820	0.0	954	0.0	1499	1465	355	1309+	11.83	281	68.5	15.6	30.8	30.8	29.3
10-11 PM	1323	0.0	694	0.0	1499	1303	20	714	8.15	196	69.1	20.7	31.9	31.9	31.8
11PM-MID	861	0.0	451	0.0	1500	861	0	451	0.72	5	69.7	57.6	42.2	32.9	32.9

+ 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	0.0374
MAIN ROUTE WITH WORKS	0.0170
DIVERSION	0.6255

PIA: Personal Injury Accidents

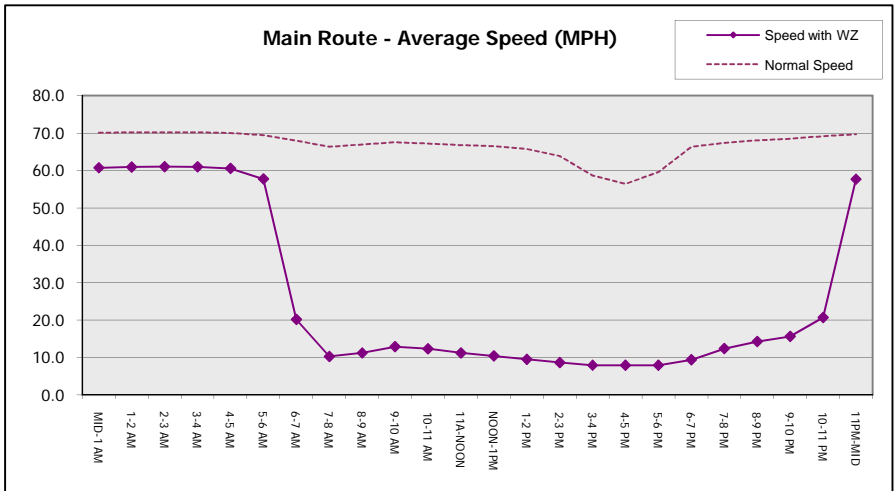
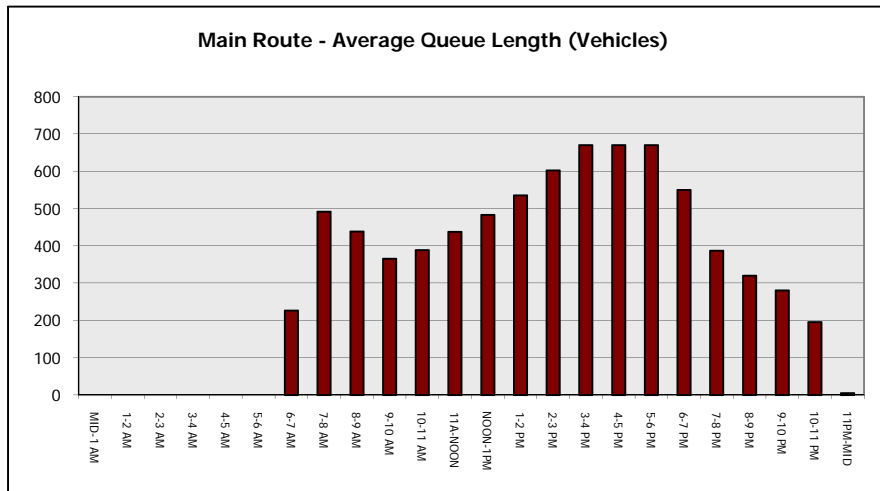
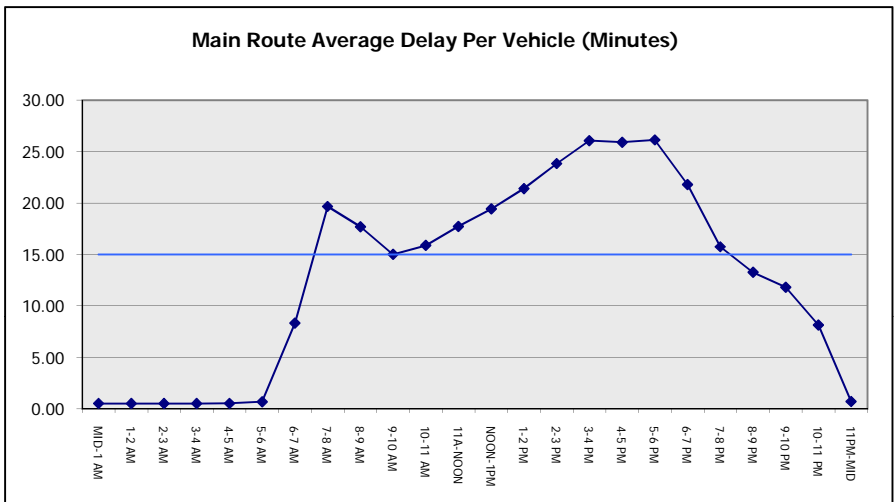
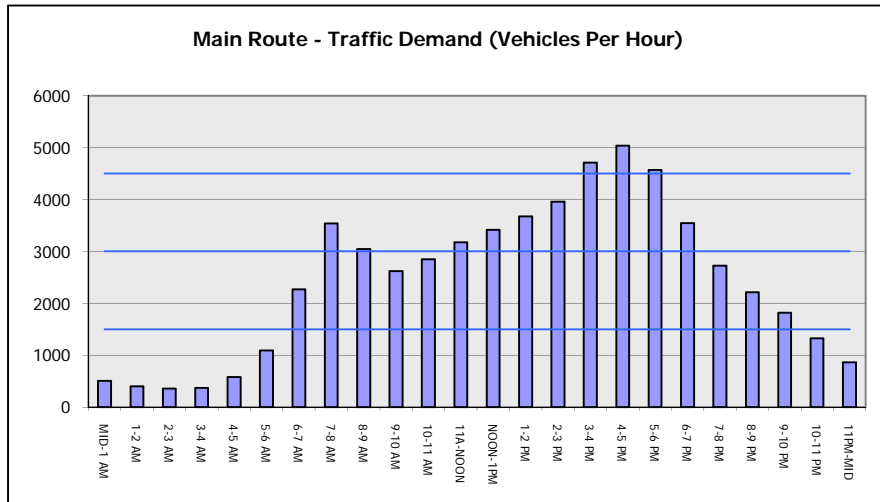
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$315,832
CONGESTED HOURS PER DAY*	13

\*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**  
**FRIDAY 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**

FRIDAY 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	426	0.0	223	0.0	1500	426	0	223	0.52	0	70.2	60.9	43.8	33.8	33.8
1-2 AM	370	0.0	194	0.0	1500	370	0	194	0.52	0	70.2	60.9	44.0	34.0	34.0
2-3 AM	374	0.0	196	0.0	1500	374	0	196	0.52	0	70.2	60.9	44.0	34.0	34.0
3-4 AM	439	0.0	230	0.0	1500	439	0	230	0.53	0	70.2	60.8	43.7	33.8	33.8
4-5 AM	524	0.0	275	0.0	1500	524	0	275	0.54	0	70.1	60.6	43.4	33.7	33.7
5-6 AM	1131	0.0	593	0.0	1499	1131	0	593	0.76	0	69.3	56.9	37.6	32.3	32.3
6-7 AM	2623	0.0	1375	0.0	1499	1900	723	2098+	12.03	309	67.5	15.4	30.8	29.1	26.0
7-8 AM	3279	0.0	1718	0.0	1499	1566	1713	3431+	18.36	455	66.6	10.9	30.8	27.6	20.5
8-9 AM	2735	0.0	1434	0.0	1500	1400	1335	2769+	15.79	387	67.3	12.4	30.8	28.8	23.2
9-10 AM	2453	0.0	1286	0.0	1499	1476	977	2263+	14.20	344	67.7	13.5	30.8	29.4	25.3
10-11 AM	2604	0.0	1366	0.0	1499	1526	1079	2444+	14.73	358	67.5	13.1	30.8	29.1	24.6
11A-NOON	2865	0.0	1502	0.0	1499	1535	1330	2831+	16.00	392	67.2	12.2	30.8	28.5	23.0
NOON-1PM	2974	0.0	1559	0.0	1500	1516	1458	3017+	16.67	410	67.1	11.9	30.8	28.3	22.2
1-2 PM	3191	0.0	1673	0.0	1500	1541	1650	3323+	17.89	442	66.8	11.2	30.8	27.8	20.9
2-3 PM	3513	0.0	1842	0.0	1500	1568	1945	3787+	20.05	500	66.4	10.1	30.8	27.1	19.0
3-4 PM	3848	0.0	2018	0.0	1500	1589	2259	4276+	22.80	575	64.6	9.1	30.8	26.4	17.0
4-5 PM	4272	0.0	2239	0.0	1499	1526	2746	4985+	26.24	669	61.7	7.9	31.4	25.5	14.9
5-6 PM	3897	0.0	2044	0.0	1500	1412	2485	4529+	24.53	621	64.2	8.5	30.8	26.3	15.9
6-7 PM	3020	0.0	1583	0.0	1500	1336	1684	3267+	17.67	439	67.0	11.3	30.8	28.2	21.2
7-8 PM	2391	0.0	1254	0.0	1499	1431	960	2214+	14.06	341	67.8	13.7	30.8	29.6	25.5
8-9 PM	1856	0.0	973	0.0	1499	1454	402	1376+	11.98	285	68.4	15.5	30.8	30.7	29.1
9-10 PM	1517	0.0	795	0.0	1499	1445	72	867	10.69	251	68.9	17.0	30.8	31.5	31.2
10-11 PM	1157	0.0	607	0.0	1499	1157	0	607	2.99	89	69.3	37.2	36.5	32.2	32.2
11PM-MID	804	0.0	422	0.0	1500	804	0	422	0.57	0	69.7	59.9	42.4	33.0	33.0

+ 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	0.0333
MAIN ROUTE WITH WORKS	0.0168
DIVERSION	0.5263

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$250,706
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding 15 Minutes

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 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**  
**FRIDAY EASTBOUND DIRECTION**

