

<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**

**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	503	0.0	264	0.0	1500	503	0	264	0.53	0	70.1	60.7	43.5	33.7	33.7
1-2 AM	417	0.0	219	0.0	1500	417	0	219	0.52	0	70.2	60.9	43.8	33.8	33.8
2-3 AM	364	0.0	191	0.0	1500	364	0	191	0.52	0	70.2	61.0	44.0	34.0	34.0
3-4 AM	386	0.0	202	0.0	1500	386	0	202	0.52	0	70.2	60.9	44.0	33.9	33.9
4-5 AM	550	0.0	288	0.0	1500	550	0	288	0.54	0	70.0	60.5	43.3	33.6	33.6
5-6 AM	1096	0.0	574	0.0	1499	1096	0	574	0.72	0	69.4	57.4	38.4	32.4	32.4
6-7 AM	2399	0.0	1258	0.0	1499	1871	529	1787+	9.69	255	67.8	18.1	30.8	29.6	27.3
7-8 AM	3479	0.0	1824	0.0	1500	1649	1830	3654+	19.39	484	66.4	10.4	30.8	27.2	19.6
8-9 AM	3041	0.0	1595	0.0	1500	1386	1654	3249+	17.59	435	66.9	11.3	30.8	28.1	21.2
9-10 AM	2624	0.0	1376	0.0	1500	1453	1171	2547+	15.05	367	67.5	12.9	30.8	29.1	24.2
10-11 AM	2745	0.0	1439	0.0	1499	1526	1219	2658+	15.41	376	67.3	12.7	30.8	28.8	23.7
11A-NOON	3012	0.0	1579	0.0	1499	1542	1470	3049+	16.79	413	67.0	11.8	30.8	28.2	22.0
NOON-1PM	3250	0.0	1704	0.0	1500	1542	1708	3412+	18.27	452	66.7	11.0	30.8	27.7	20.6
1-2 PM	3513	0.0	1842	0.0	1500	1555	1958	3799+	20.12	501	66.4	10.1	30.8	27.1	18.9
2-3 PM	3799	0.0	1992	0.0	1500	1586	2213	4206+	22.37	563	64.9	9.2	30.8	26.5	17.3
3-4 PM	4501	0.0	2360	0.0	1499	1531	2971	5330+	26.18	671	60.1	7.9	31.7	25.0	14.9
4-5 PM	4586	0.0	2405	0.0	1500	1504	3082	5487+	26.14	670	59.6	7.9	30.9	24.8	14.9
5-6 PM	4263	0.0	2235	0.0	1500	1518	2744	4979+	26.14	666	61.7	8.0	30.8	25.5	15.0
6-7 PM	3538	0.0	1855	0.0	1500	1310	2228	4083+	21.70	547	66.3	9.5	30.8	27.1	17.8
7-8 PM	2813	0.0	1474	0.0	1500	1396	1417	2891+	16.22	399	67.3	12.1	30.8	28.6	22.7
8-9 PM	2390	0.0	1254	0.0	1499	1455	935	2189+	13.99	339	67.8	13.7	30.8	29.6	25.6
9-10 PM	1927	0.0	1011	0.0	1500	1457	470	1481+	12.21	291	68.3	15.3	30.8	30.6	28.6
10-11 PM	1514	0.0	794	0.0	1499	1424	91	885	10.60	249	68.9	17.0	30.8	31.5	31.1
11PM-MID	961	0.0	503	0.0	1500	961	0	503	1.85	51	69.6	45.2	39.6	32.7	32.7

+ 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	0.0367
MAIN ROUTE WITH WORKS	0.0171
DIVERSION	0.6071

PIA: Personal Injury Accidents

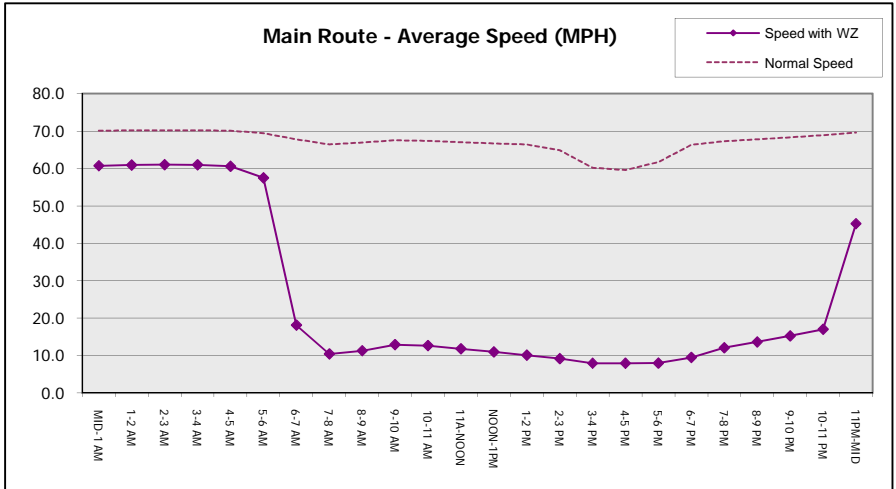
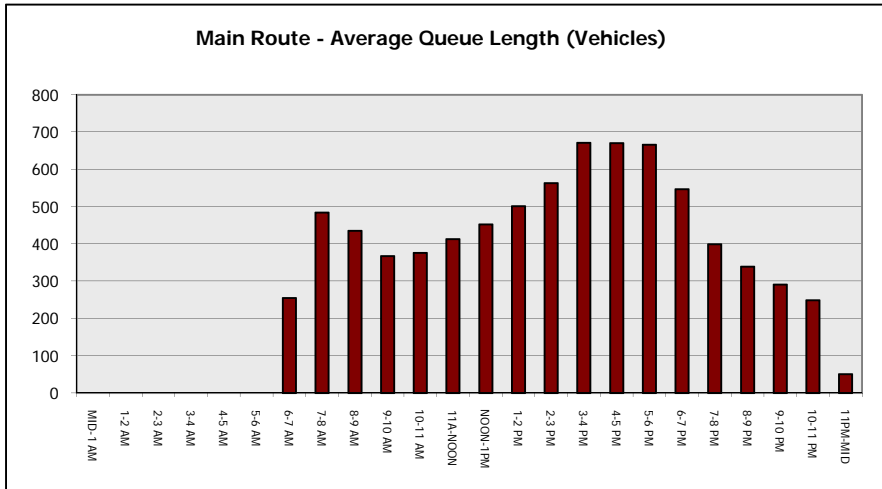
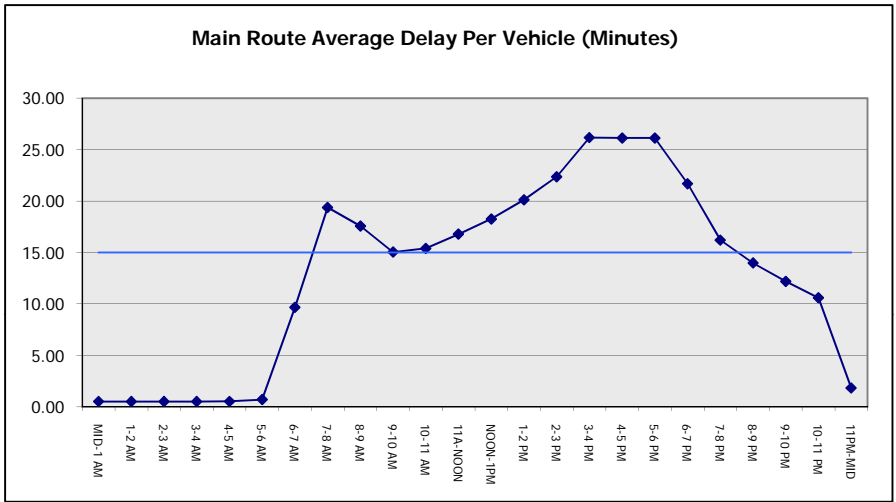
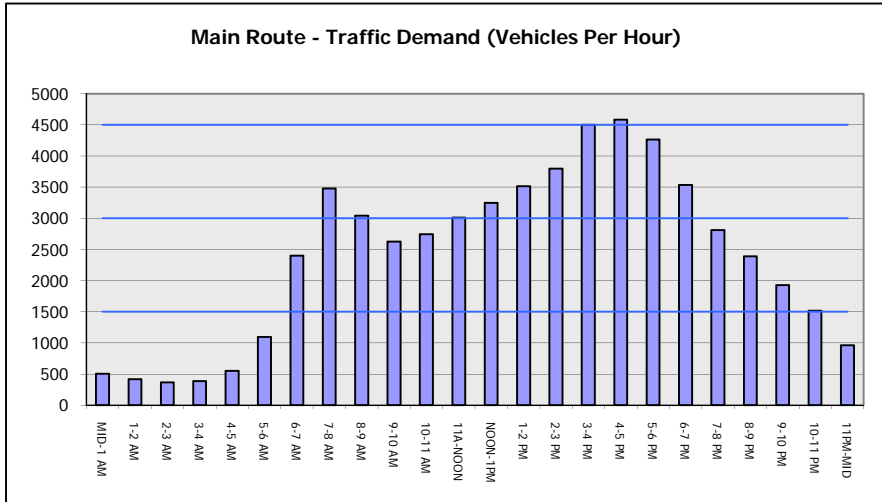
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$299,885
CONGESTED HOURS PER DAY*	13

\*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**

**MAY**  
 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>MAY</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		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	425	0.0	223	0.0	1500	425	0	223	0.52	0	70.2	60.9	43.8	33.8	33.8
1-2 AM	336	0.0	176	0.0	1500	336	0	176	0.51	0	70.2	61.0	44.2	34.0	34.0
2-3 AM	334	0.0	175	0.0	1500	334	0	175	0.51	0	70.2	61.0	44.2	34.0	34.0
3-4 AM	370	0.0	194	0.0	1500	370	0	194	0.52	0	70.2	60.9	44.0	34.0	34.0
4-5 AM	461	0.0	242	0.0	1500	461	0	242	0.53	0	70.2	60.7	43.7	33.8	33.8
5-6 AM	1144	0.0	600	0.0	1499	1144	0	600	0.77	0	69.3	56.7	37.3	32.3	32.3
6-7 AM	2684	0.0	1407	0.0	1499	1905	779	2186+	12.77	326	67.4	14.7	30.8	28.9	25.6
7-8 AM	3108	0.0	1629	0.0	1499	1524	1583	3213+	17.44	430	66.9	11.4	30.8	28.0	21.4
8-9 AM	2494	0.0	1308	0.0	1500	1409	1085	2393+	14.58	355	67.6	13.2	30.8	29.3	24.8
9-10 AM	2322	0.0	1218	0.0	1499	1490	833	2051+	13.61	328	67.9	14.0	30.8	29.7	26.2
10-11 AM	2446	0.0	1282	0.0	1499	1518	928	2210+	14.04	340	67.7	13.7	30.8	29.4	25.6
11A-NOON	2582	0.0	1354	0.0	1500	1518	1064	2418+	14.65	356	67.5	13.2	30.8	29.1	24.7
NOON-1PM	2800	0.0	1468	0.0	1499	1528	1272	2740+	15.68	384	67.3	12.5	30.8	28.7	23.3
1-2 PM	2845	0.0	1492	0.0	1500	1509	1336	2829+	15.99	392	67.2	12.3	30.8	28.6	23.0
2-3 PM	3185	0.0	1670	0.0	1499	1560	1625	3295+	17.77	439	66.8	11.2	30.8	27.8	21.1
3-4 PM	3433	0.0	1800	0.0	1500	1546	1886	3686+	19.55	486	66.4	10.4	30.8	27.3	19.4
4-5 PM	3681	0.0	1930	0.0	1500	1541	2140	4070+	21.58	540	65.7	9.5	30.8	26.8	17.8
5-6 PM	3423	0.0	1795	0.0	1500	1421	2001	3796+	20.11	501	66.5	10.1	30.8	27.3	18.9
6-7 PM	2810	0.0	1473	0.0	1500	1402	1408	2882+	16.18	398	67.3	12.2	30.8	28.6	22.8
7-8 PM	2248	0.0	1178	0.0	1500	1440	808	1986+	13.44	324	67.9	14.2	30.8	29.9	26.5
8-9 PM	1787	0.0	937	0.0	1499	1462	325	1262+	11.73	279	68.5	15.8	30.8	30.9	29.5
9-10 PM	1514	0.0	794	0.0	1499	1454	61	855	10.70	251	68.9	16.9	30.8	31.5	31.2
10-11 PM	1170	0.0	613	0.0	1499	1170	0	613	3.14	93	69.3	36.3	36.1	32.2	32.2
11PM-MID	876	0.0	459	0.0	1500	876	0	459	0.57	0	69.6	59.7	42.1	32.9	32.9

+ 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	0.0309
MAIN ROUTE WITH WORKS	0.0167
DIVERSION	0.4669

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$204,427
CONGESTED HOURS PER DAY*	8

\*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**  
**FRIDAY EASTBOUND DIRECTION**

