

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	AUGUST
	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	1499	1627	901	2227+	14.09	343	67.6	13.6	30.8	29.2	25.5
9-10 AM	3144	0.0	1648	0.0	1500	1592	1552	3200+	17.38	430	66.8	11.4	30.8	27.9	21.4
10-11 AM	3647	0.0	1912	0.0	1500	1594	2053	3965+	20.99	525	66.0	9.7	30.8	26.8	18.3
11A-NOON	3761	0.0	1972	0.0	1500	1506	2255	4228+	22.52	566	65.1	9.1	30.8	26.6	17.1
NOON-1PM	3567	0.0	1870	0.0	1500	1443	2124	3994+	21.18	529	66.3	9.7	30.8	27.0	18.1
1-2 PM	3302	0.0	1732	0.0	1500	1450	1852	3584+	19.06	473	66.6	10.6	30.8	27.6	19.9
2-3 PM	3173	0.0	1664	0.0	1499	1479	1694	3357+	18.04	446	66.8	11.1	30.8	27.8	20.8
3-4 PM	2967	0.0	1555	0.0	1500	1466	1501	3056+	16.82	414	67.1	11.7	30.8	28.3	22.0
4-5 PM	2729	0.0	1430	0.0	1500	1466	1262	2693+	15.53	380	67.3	12.5	30.8	28.8	23.5
5-6 PM	2448	0.0	1284	0.0	1500	1465	983	2267+	14.21	345	67.7	13.5	30.8	29.4	25.3
6-7 PM	2031	0.0	1064	0.0	1500	1458	573	1638+	12.57	301	68.2	14.9	30.8	30.4	27.9
7-8 PM	1614	0.0	847	0.0	1500	1468	147	993	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	34.7	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

+ 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	0.0161
DIVERSION	0.4249

PIA: Personal Injury Accidents

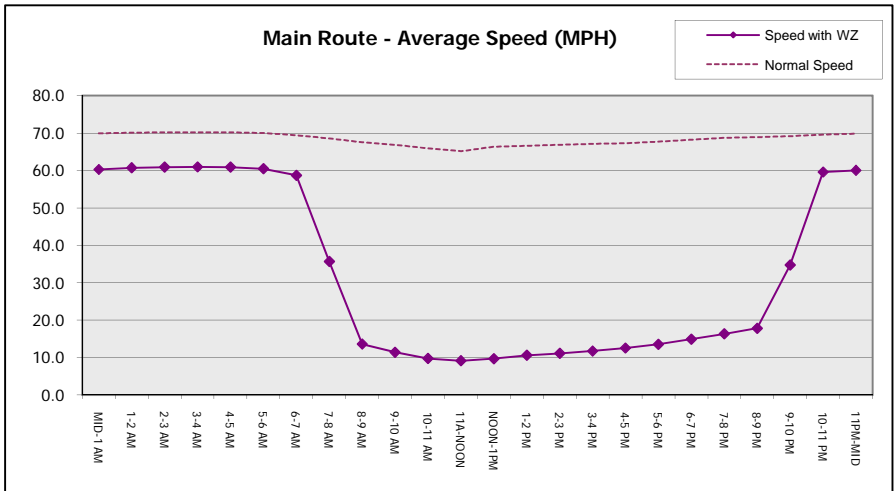
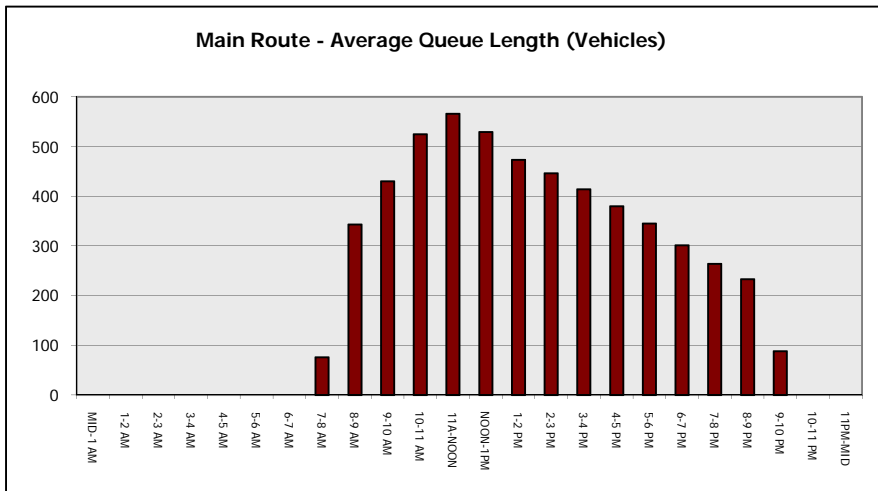
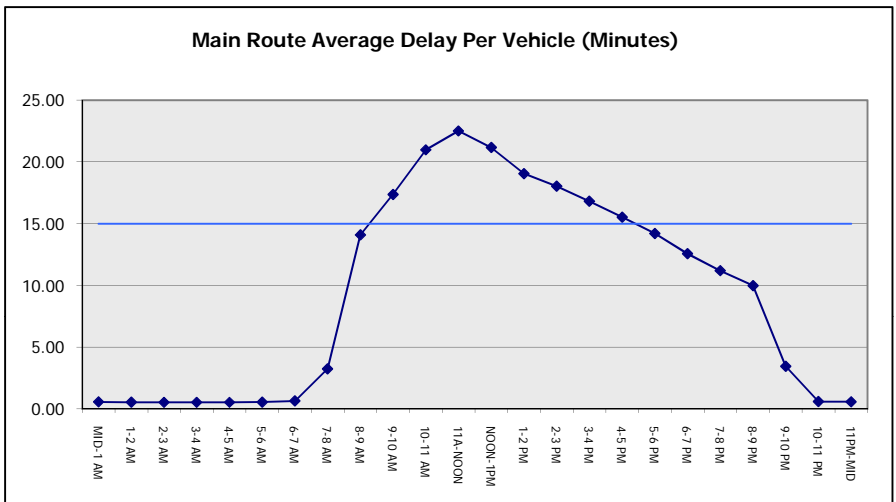
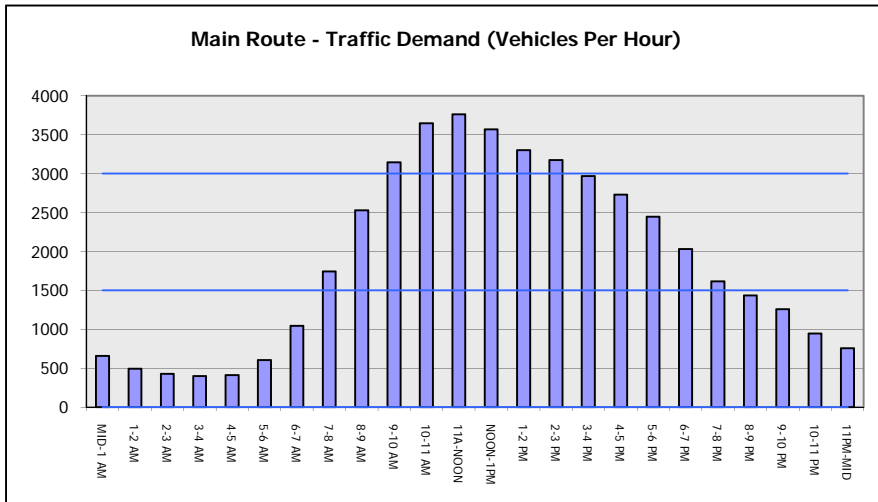
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$222,838
CONGESTED HOURS PER DAY*	8

*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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



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	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	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	1499	1820	0	954	4.94	128	68.5	28.4	30.8	30.8	30.8
9-10 AM	2301	0.0	1207	0.0	1499	1518	782	1989+	13.44	324	67.9	14.2	30.8	29.7	26.5
10-11 AM	2848	0.0	1493	0.0	1500	1572	1276	2769+	15.78	387	67.2	12.4	30.8	28.6	23.2
11A-NOON	3282	0.0	1720	0.0	1500	1565	1716	3437+	18.38	455	66.6	10.9	30.8	27.6	20.4
NOON-1PM	3394	0.0	1779	0.0	1500	1513	1881	3660+	19.42	483	66.5	10.4	30.8	27.4	19.5
1-2 PM	3449	0.0	1808	0.0	1500	1508	1941	3749+	19.87	494	66.4	10.2	30.8	27.3	19.1
2-3 PM	3429	0.0	1798	0.0	1500	1488	1941	3739+	19.81	493	66.4	10.2	30.8	27.3	19.2
3-4 PM	3180	0.0	1667	0.0	1500	1453	1727	3394+	18.20	450	66.8	11.0	30.8	27.8	20.6
4-5 PM	3053	0.0	1601	0.0	1499	1478	1575	3176+	17.29	426	66.9	11.5	30.8	28.1	21.5
5-6 PM	2708	0.0	1420	0.0	1500	1449	1259	2679+	15.48	379	67.4	12.6	30.8	28.9	23.6
6-7 PM	2374	0.0	1245	0.0	1500	1462	912	2157+	13.90	336	67.8	13.8	30.8	29.6	25.8
7-8 PM	2007	0.0	1053	0.0	1500	1466	542	1594+	12.47	298	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

+ 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	0.0161
DIVERSION	0.4102

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$209,367
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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

