

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	410	0.0	215	0.0	OFF	410	0	215	0.00	0	70.2	70.2	70.2	33.9	33.9
1-2 AM	317	0.0	166	0.0	OFF	317	0	166	0.00	0	70.2	70.2	70.2	34.1	34.1
2-3 AM	284	0.0	149	0.0	OFF	284	0	149	0.00	0	70.2	70.2	70.2	34.2	34.2
3-4 AM	309	0.0	161	0.0	OFF	309	0	161	0.00	0	70.2	70.2	70.2	34.1	34.1
4-5 AM	476	0.0	249	0.0	OFF	476	0	249	0.00	0	70.1	70.1	70.1	33.7	33.7
5-6 AM	1035	0.0	542	0.0	OFF	1035	0	542	0.00	0	69.4	69.4	69.4	32.5	32.5
6-7 AM	2349	0.0	1230	0.0	OFF	2349	0	1230+	0.00	0	67.8	67.8	67.8	29.7	29.7
7-8 AM	3428	0.0	1794	0.0	OFF	3428	0	1794+	0.00	0	66.4	66.4	66.4	27.3	27.3
8-9 AM	2773	0.0	1452	0.0	OFF	2773	0	1452+	0.00	0	67.3	67.3	67.3	28.8	28.8
9-10 AM	2161	0.0	1133	0.0	1499	1810	350	1484+	10.08	247	68.1	17.6	30.8	30.1	28.6
10-11 AM	2207	0.0	1158	0.0	1499	1508	699	1858+	13.10	315	68.0	14.4	30.8	29.9	27.0
11A-NOON	2337	0.0	1226	0.0	1499	1514	823	2049+	13.60	328	67.8	14.0	30.8	29.7	26.3
NOON-1PM	2402	0.0	1259	0.0	1500	1507	894	2153+	13.89	336	67.8	13.8	30.8	29.6	25.8
1-2 PM	2526	0.0	1325	0.0	1500	1517	1009	2333+	14.40	350	67.6	13.4	30.8	29.2	25.0
2-3 PM	2781	0.0	1459	0.0	1500	1543	1239	2697+	15.54	380	67.3	12.5	30.8	28.7	23.5
3-4 PM	3425	0.0	1795	0.0	1500	1621	1804	3599+	19.12	476	66.5	10.6	30.8	27.3	19.8
4-5 PM	3867	0.0	2027	0.0	OFF	3867	0	2027+	0.85	63	64.5	52.5	52.5	26.3	26.3
5-6 PM	3429	0.0	1796	0.0	OFF	3429	0	1796+	0.00	0	66.4	66.4	66.4	27.3	27.3
6-7 PM	2279	0.0	1193	0.0	OFF	2279	0	1193	0.00	0	67.9	67.9	67.9	29.8	29.8
7-8 PM	1715	0.0	897	0.0	OFF	1715	0	897	0.00	0	68.6	68.6	68.6	31.1	31.1
8-9 PM	1506	0.0	788	0.0	OFF	1506	0	788	0.00	0	68.9	68.9	68.9	31.5	31.5
9-10 PM	1240	0.0	649	0.0	OFF	1240	0	649	0.00	0	69.2	69.2	69.2	32.0	32.0
10-11 PM	928	0.0	486	0.0	OFF	928	0	486	0.00	0	69.6	69.6	69.6	32.7	32.7
11PM-MID	634	0.0	332	0.0	OFF	634	0	332	0.00	0	69.9	69.9	69.9	33.4	33.4

"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	0.0285
MAIN ROUTE WITH WORKS	0.0235
DIVERSION	0.3175

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$70,420
CONGESTED HOURS PER DAY*	2

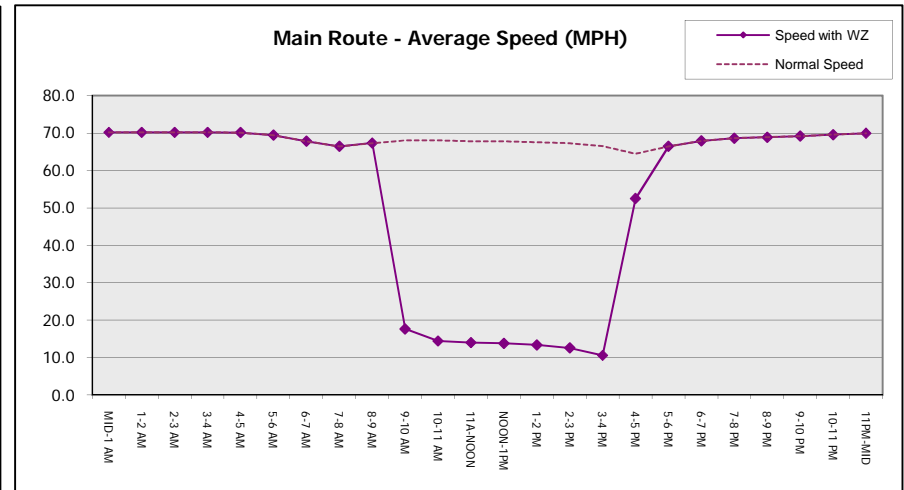
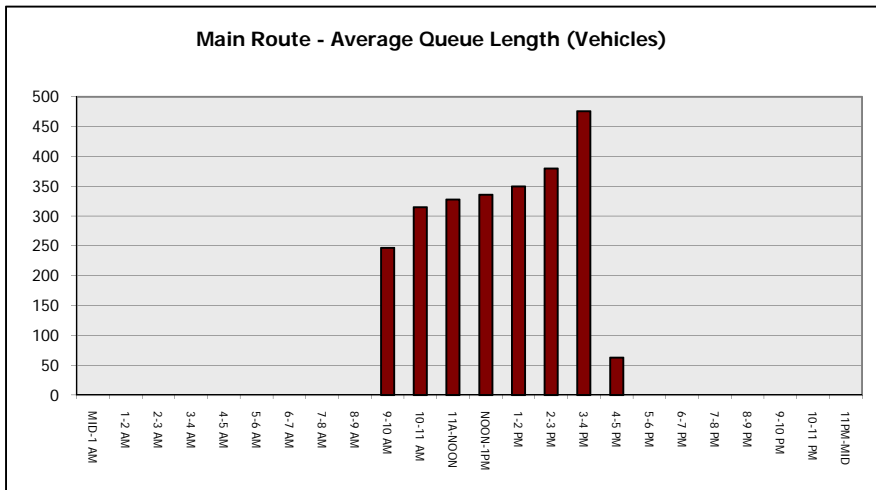
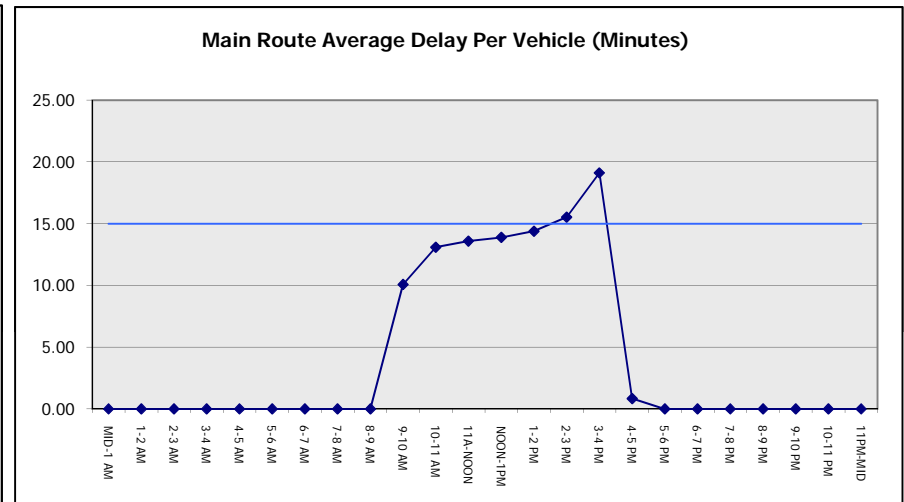
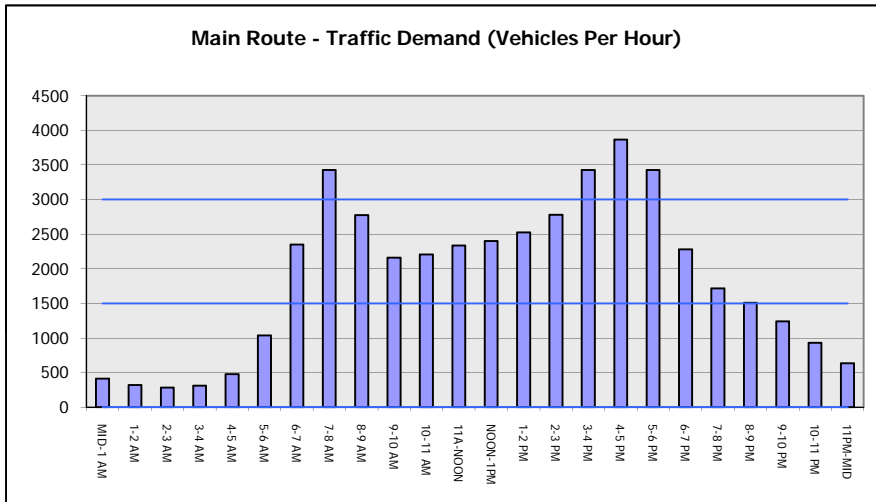
*Delays Exceeding 15 Minutes

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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR WESTBOUND DIRECTION



IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	370	0.0	195	0.0	OFF	370	0	195	0.00	0	70.2	70.2	70.2	34.0	34.0
1-2 AM	278	0.0	145	0.0	OFF	278	0	145	0.00	0	70.2	70.2	70.2	34.2	34.2
2-3 AM	285	0.0	150	0.0	OFF	285	0	150	0.00	0	70.2	70.2	70.2	34.2	34.2
3-4 AM	316	0.0	164	0.0	OFF	316	0	164	0.00	0	70.2	70.2	70.2	34.1	34.1
4-5 AM	458	0.0	240	0.0	OFF	458	0	240	0.00	0	70.2	70.2	70.2	33.8	33.8
5-6 AM	1166	0.0	611	0.0	OFF	1166	0	611	0.00	0	69.3	69.3	69.3	32.2	32.2
6-7 AM	2757	0.0	1443	0.0	OFF	2757	0	1443+	0.00	0	67.3	67.3	67.3	28.8	28.8
7-8 AM	3163	0.0	1656	0.0	OFF	3163	0	1656+	0.00	0	66.8	66.8	66.8	27.9	27.9
8-9 AM	2477	0.0	1296	0.0	OFF	2477	0	1296+	0.00	0	67.6	67.6	67.6	29.4	29.4
9-10 AM	2224	0.0	1166	0.0	1499	1820	405	1570+	10.38	256	68.0	17.3	30.8	29.9	28.3
10-11 AM	2216	0.0	1162	0.0	1499	1498	718	1880+	13.16	316	68.0	14.4	30.8	29.9	27.0
11A-NOON	2335	0.0	1223	0.0	1499	1514	821	2044+	13.59	328	67.8	14.0	30.8	29.7	26.3
NOON-1PM	2430	0.0	1272	0.0	1500	1510	920	2193+	14.00	339	67.7	13.7	30.8	29.5	25.6
1-2 PM	2505	0.0	1312	0.0	1500	1511	995	2307+	14.32	347	67.6	13.4	30.8	29.3	25.2
2-3 PM	2724	0.0	1427	0.0	1499	1533	1191	2618+	15.28	373	67.4	12.7	30.8	28.8	23.8
3-4 PM	3084	0.0	1617	0.0	1500	1563	1521	3137+	17.13	423	66.9	11.6	30.8	28.1	21.7
4-5 PM	3648	0.0	1913	0.0	OFF	3648	0	1913+	0.61	42	66.0	56.5	56.5	26.8	26.8
5-6 PM	3326	0.0	1743	0.0	OFF	3326	0	1743+	0.00	0	66.6	66.6	66.6	27.5	27.5
6-7 PM	2323	0.0	1218	0.0	OFF	2323	0	1218+	0.00	0	67.9	67.9	67.9	29.7	29.7
7-8 PM	1759	0.0	922	0.0	OFF	1759	0	922	0.00	0	68.6	68.6	68.6	30.9	30.9
8-9 PM	1472	0.0	771	0.0	OFF	1472	0	771	0.00	0	68.9	68.9	68.9	31.5	31.5
9-10 PM	1226	0.0	642	0.0	OFF	1226	0	642	0.00	0	69.2	69.2	69.2	32.1	32.1
10-11 PM	898	0.0	471	0.0	OFF	898	0	471	0.00	0	69.6	69.6	69.6	32.8	32.8
11PM-MID	590	0.0	310	0.0	OFF	590	0	310	0.00	0	70.0	70.0	70.0	33.5	33.5

"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	0.0280
MAIN ROUTE WITH WORKS	0.0231
DIVERSION	0.3107

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$66,780
CONGESTED HOURS PER DAY*	2

*Delays Exceeding 15 Minutes

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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

