

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY) CONTINUOUS (24 HOUR) 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	3000	410	0	215	0.36	0	70.2	63.5	49.7	33.9	33.9
1-2 AM	317	0.0	166	0.0	3000	317	0	166	0.36	0	70.2	63.5	49.7	34.1	34.1
2-3 AM	284	0.0	149	0.0	3000	284	0	149	0.36	0	70.2	63.5	49.7	34.2	34.2
3-4 AM	309	0.0	161	0.0	3000	309	0	161	0.36	0	70.2	63.5	49.7	34.1	34.1
4-5 AM	476	0.0	249	0.0	3000	476	0	249	0.36	0	70.1	63.5	49.7	33.7	33.7
5-6 AM	1035	0.0	542	0.0	3000	1035	0	542	0.35	0	69.4	63.0	49.7	32.5	32.5
6-7 AM	2349	0.0	1230	0.0	2999	2349	0	1230+	0.41	0	67.8	60.7	46.6	29.7	29.7
7-8 AM	3428	0.0	1794	0.0	2999	3428	0	1794+	3.86	200	66.4	32.1	37.3	27.3	27.3
8-9 AM	2773	0.0	1452	0.0	2999	2773	0	1452+	7.02	354	67.3	22.7	37.5	28.8	28.8
9-10 AM	2161	0.0	1133	0.0	3000	2161	0	1133	0.67	26	68.1	57.1	49.6	30.1	30.1
10-11 AM	2207	0.0	1158	0.0	3000	2207	0	1158	0.33	0	68.0	62.2	49.7	29.9	29.9
11A-NOON	2337	0.0	1226	0.0	3000	2337	0	1226+	0.33	0	67.8	62.0	49.7	29.7	29.7
NOON-1PM	2402	0.0	1259	0.0	3000	2402	0	1259+	0.34	0	67.8	61.9	49.3	29.6	29.6
1-2 PM	2526	0.0	1325	0.0	3000	2526	0	1325+	0.42	0	67.6	60.5	46.2	29.2	29.2
2-3 PM	2781	0.0	1459	0.0	2999	2781	0	1459+	0.58	0	67.3	57.8	41.0	28.7	28.7
3-4 PM	3425	0.0	1795	0.0	2999	3425	0	1795+	3.43	178	66.5	34.1	37.3	27.3	27.3
4-5 PM	3867	0.0	2027	0.0	3000	3437	430	2457+	13.90	751	64.5	14.0	37.3	26.3	24.8
5-6 PM	3429	0.0	1796	0.0	2999	2827	602	2397+	14.60	768	66.4	13.5	37.3	27.3	25.0
6-7 PM	2279	0.0	1193	0.0	2999	2256	23	1216+	5.46	363	67.9	26.7	43.2	29.8	29.7
7-8 PM	1715	0.0	897	0.0	3000	1715	0	897	0.34	0	68.6	62.5	49.7	31.1	31.1
8-9 PM	1506	0.0	788	0.0	3000	1506	0	788	0.34	0	68.9	62.7	49.7	31.5	31.5
9-10 PM	1240	0.0	649	0.0	3000	1240	0	649	0.35	0	69.2	62.9	49.7	32.0	32.0
10-11 PM	928	0.0	486	0.0	3000	928	0	486	0.35	0	69.6	63.2	49.7	32.7	32.7
11PM-MID	634	0.0	332	0.0	3000	634	0	332	0.36	0	69.9	63.3	49.7	33.4	33.4

+ 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	0.0285
MAIN ROUTE WITH WORKS	0.0250
DIVERSION	0.2571

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$39,692
CONGESTED HOURS PER DAY*	0

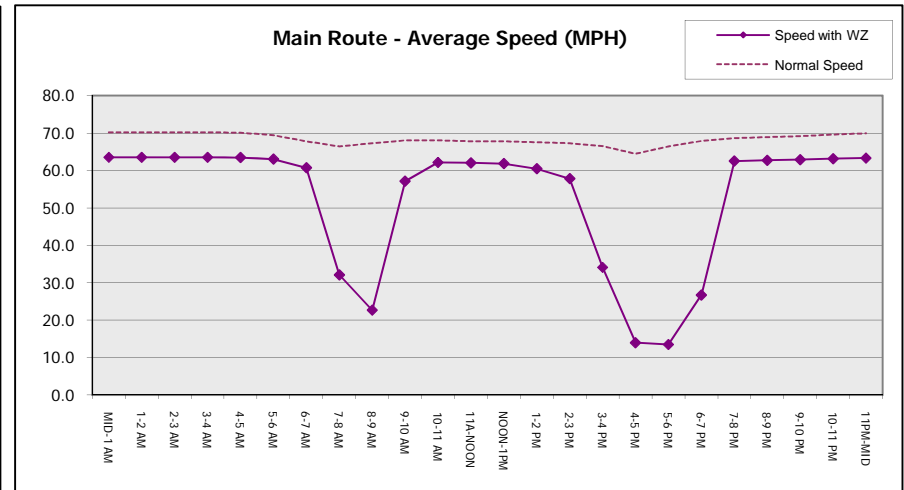
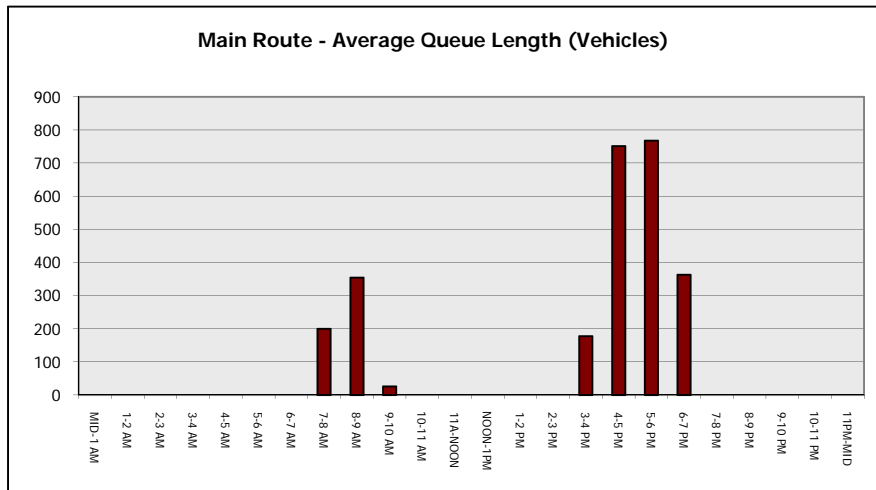
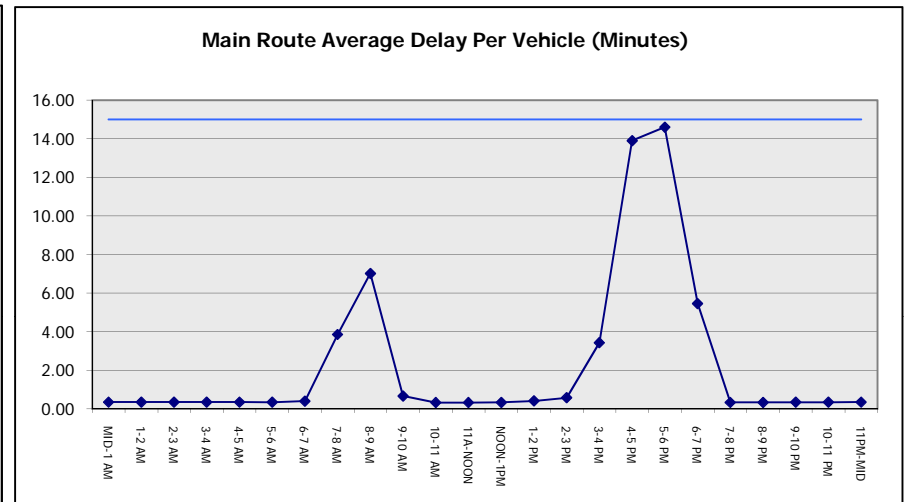
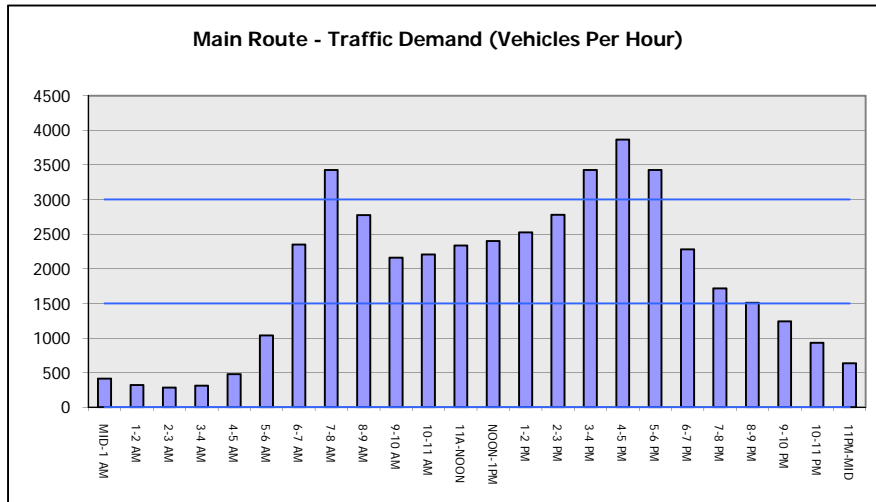
*Delays Exceeding 15 Minutes

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)
CONTINUOUS (24 HOUR) 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) CONTINUOUS (24 HOUR) 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						
	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	370	0.0	195	0.0	3000	370	0	195	0.36	0	70.2	63.5	49.7	34.0	34.0
1-2 AM	278	0.0	145	0.0	3000	278	0	145	0.36	0	70.2	63.5	49.7	34.2	34.2
2-3 AM	285	0.0	150	0.0	3000	285	0	150	0.36	0	70.2	63.5	49.7	34.2	34.2
3-4 AM	316	0.0	164	0.0	3000	316	0	164	0.36	0	70.2	63.5	49.7	34.1	34.1
4-5 AM	458	0.0	240	0.0	3000	458	0	240	0.36	0	70.2	63.5	49.7	33.8	33.8
5-6 AM	1166	0.0	611	0.0	3000	1166	0	611	0.35	0	69.3	63.0	49.7	32.2	32.2
6-7 AM	2757	0.0	1443	0.0	2999	2757	0	1443+	0.57	0	67.3	58.0	41.9	28.8	28.8
7-8 AM	3163	0.0	1656	0.0	3000	3163	0	1656+	2.32	93	66.8	40.6	37.3	27.9	27.9
8-9 AM	2477	0.0	1296	0.0	3000	2477	0	1297+	0.90	34	67.6	54.0	46.0	29.4	29.4
9-10 AM	2224	0.0	1166	0.0	3000	2224	0	1166	0.33	0	68.0	62.2	49.7	29.9	29.9
10-11 AM	2216	0.0	1162	0.0	3000	2216	0	1162	0.33	0	68.0	62.2	49.7	29.9	29.9
11A-NOON	2335	0.0	1223	0.0	3000	2335	0	1223+	0.33	0	67.8	62.0	49.7	29.7	29.7
NOON-1PM	2430	0.0	1272	0.0	3000	2430	0	1272+	0.36	0	67.7	61.5	48.6	29.5	29.5
1-2 PM	2505	0.0	1312	0.0	3000	2505	0	1312+	0.41	0	67.6	60.7	46.7	29.3	29.3
2-3 PM	2724	0.0	1427	0.0	2999	2724	0	1427+	0.55	0	67.4	58.4	42.0	28.8	28.8
3-4 PM	3084	0.0	1617	0.0	2999	3084	0	1617+	1.12	24	66.9	51.0	37.5	28.1	28.1
4-5 PM	3648	0.0	1913	0.0	3000	3648	0	1913+	7.41	416	66.0	21.7	37.3	26.8	26.8
5-6 PM	3326	0.0	1743	0.0	2999	2926	400	2143+	13.81	723	66.6	13.8	37.3	27.5	25.9
6-7 PM	2323	0.0	1218	0.0	2999	2313	10	1228+	6.02	375	67.9	25.1	42.5	29.7	29.7
7-8 PM	1759	0.0	922	0.0	3000	1759	0	922	0.34	0	68.6	62.5	49.7	30.9	30.9
8-9 PM	1472	0.0	771	0.0	3000	1472	0	771	0.34	0	68.9	62.7	49.7	31.5	31.5
9-10 PM	1226	0.0	642	0.0	3000	1226	0	642	0.35	0	69.2	62.9	49.7	32.1	32.1
10-11 PM	898	0.0	471	0.0	3000	898	0	471	0.35	0	69.6	63.2	49.7	32.8	32.8
11PM-MID	590	0.0	310	0.0	3000	590	0	310	0.36	0	70.0	63.4	49.7	33.5	33.5

+ 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	0.0280
MAIN ROUTE WITH WORKS	0.0249
DIVERSION	0.2461

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$25,563
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)
CONTINUOUS (24 HOUR) 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

