

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	OCTOBER
	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	402	0.0	211	0.0	3000	402	0	211	0.36	0	70.2	63.5	49.7	33.9	33.9
1-2 AM	327	0.0	172	0.0	3000	327	0	172	0.36	0	70.2	63.5	49.7	34.0	34.0
2-3 AM	293	0.0	154	0.0	3000	293	0	154	0.36	0	70.2	63.5	49.7	34.2	34.2
3-4 AM	338	0.0	177	0.0	3000	338	0	177	0.36	0	70.2	63.5	49.7	34.0	34.0
4-5 AM	509	0.0	267	0.0	3000	509	0	267	0.36	0	70.1	63.5	49.7	33.7	33.7
5-6 AM	1093	0.0	573	0.0	3000	1093	0	573	0.35	0	69.4	63.0	49.7	32.4	32.4
6-7 AM	2374	0.0	1245	0.0	2999	2374	0	1245+	0.43	0	67.8	60.4	46.1	29.6	29.6
7-8 AM	3712	0.0	1946	0.0	2999	3712	0	1946+	5.74	337	65.5	25.5	37.3	26.6	26.6
8-9 AM	2969	0.0	1558	0.0	2999	2828	141	1699+	12.35	643	67.1	15.1	37.3	28.3	27.7
9-10 AM	2166	0.0	1135	0.0	2999	2166	0	1135	2.55	194	68.1	39.5	45.9	30.1	30.1
10-11 AM	2166	0.0	1135	0.0	3000	2166	0	1135	0.33	0	68.1	62.2	49.7	30.1	30.1
11A-NOON	2300	0.0	1205	0.0	3000	2300	0	1205+	0.33	0	67.9	62.1	49.7	29.7	29.7
NOON-1PM	2381	0.0	1248	0.0	3000	2381	0	1248+	0.33	0	67.8	62.0	49.7	29.6	29.6
1-2 PM	2477	0.0	1298	0.0	3000	2477	0	1298+	0.39	0	67.6	61.0	47.4	29.4	29.4
2-3 PM	2771	0.0	1452	0.0	2999	2771	0	1452+	0.58	0	67.3	57.9	41.2	28.8	28.8
3-4 PM	3466	0.0	1817	0.0	2999	3466	0	1817+	3.59	191	66.4	33.3	37.3	27.2	27.2
4-5 PM	4088	0.0	2143	0.0	3000	3480	608	2751+	14.95	813	62.9	13.4	37.3	25.8	23.7
5-6 PM	3724	0.0	1952	0.0	2999	2814	910	2862+	16.18	858	65.4	12.8	37.3	26.6	23.2
6-7 PM	2369	0.0	1239	0.0	2999	2272	97	1336+	7.07	425	67.8	22.6	42.2	29.6	29.2
7-8 PM	1633	0.0	853	0.0	3000	1633	0	853	0.35	0	68.7	62.5	49.7	31.2	31.2
8-9 PM	1371	0.0	717	0.0	3000	1371	0	717	0.34	0	69.1	62.8	49.7	31.8	31.8
9-10 PM	1201	0.0	629	0.0	3000	1201	0	629	0.35	0	69.2	62.9	49.7	32.2	32.2
10-11 PM	906	0.0	474	0.0	3000	906	0	474	0.35	0	69.6	63.2	49.7	32.8	32.8
11PM-MID	617	0.0	323	0.0	3000	617	0	323	0.36	0	70.0	63.4	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	0.0291
MAIN ROUTE WITH WORKS	0.0251
DIVERSION	0.2691

PIA: Personal Injury Accidents

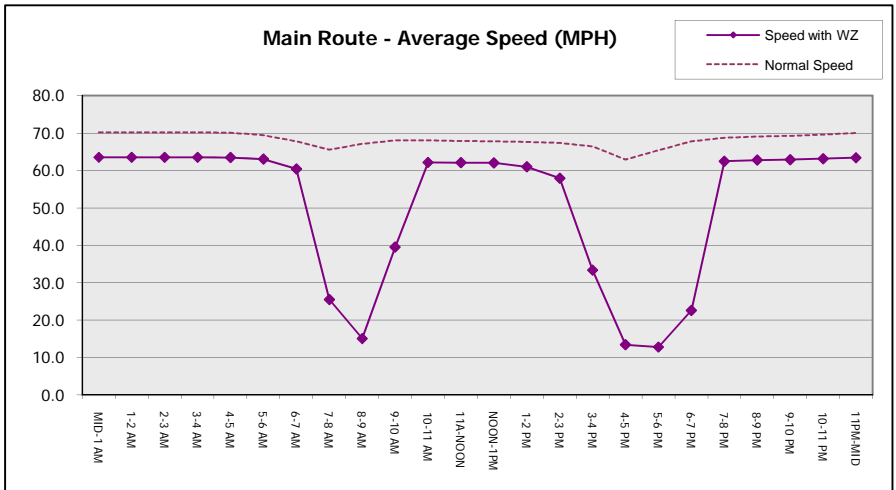
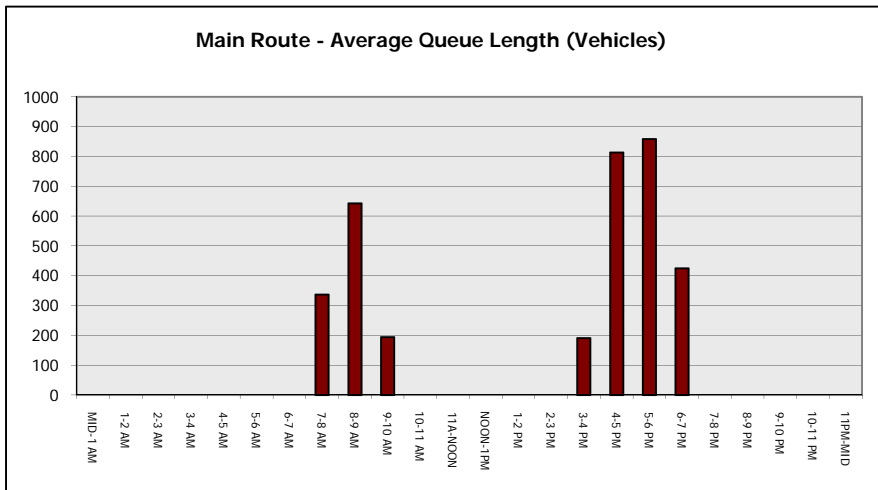
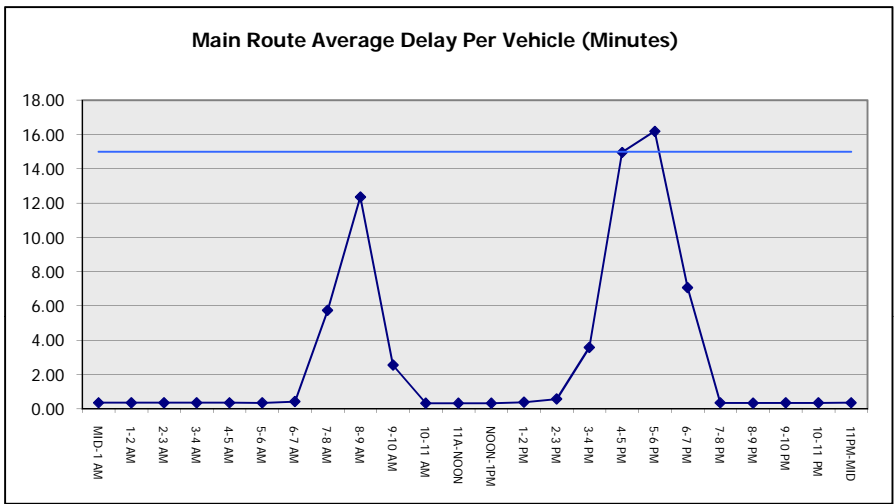
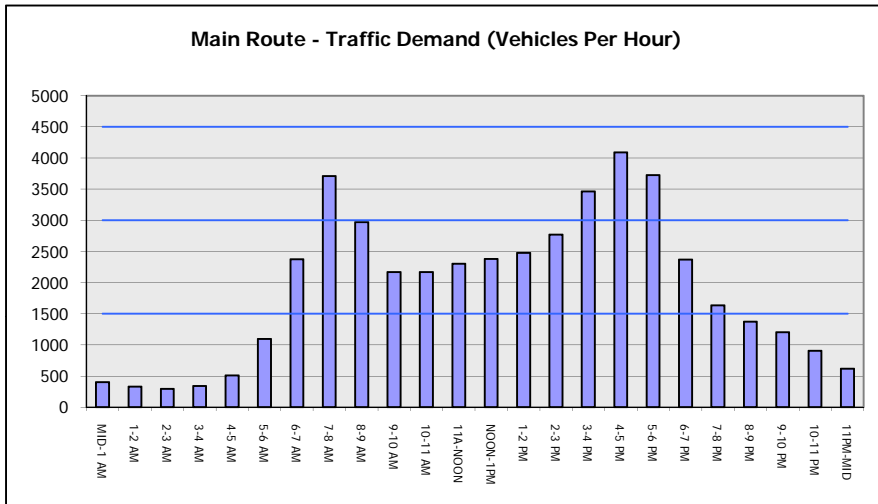
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$52,770
CONGESTED HOURS PER DAY*	1

*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

OCTOBER
 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	OCTOBER
	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	378	0.0	198	0.0	3000	378	0	198	0.36	0	70.2	63.5	49.7	34.0	34.0
1-2 AM	321	0.0	170	0.0	3000	321	0	170	0.36	0	70.2	63.5	49.7	34.1	34.1
2-3 AM	323	0.0	171	0.0	3000	323	0	171	0.36	0	70.2	63.5	49.7	34.1	34.1
3-4 AM	392	0.0	206	0.0	3000	392	0	206	0.36	0	70.2	63.5	49.7	33.9	33.9
4-5 AM	509	0.0	267	0.0	3000	509	0	267	0.36	0	70.1	63.5	49.7	33.7	33.7
5-6 AM	1197	0.0	629	0.0	3000	1197	0	629	0.35	0	69.2	62.9	49.7	32.2	32.2
6-7 AM	2812	0.0	1475	0.0	2999	2812	0	1475+	0.77	13	67.3	55.3	41.8	28.6	28.6
7-8 AM	3546	0.0	1861	0.0	3000	3546	0	1861+	6.02	329	66.3	24.9	37.3	27.0	27.0
8-9 AM	2713	0.0	1423	0.0	2999	2713	0	1423+	9.53	493	67.4	18.3	37.3	28.9	28.9
9-10 AM	2330	0.0	1221	0.0	2999	2330	0	1221+	1.39	79	67.8	48.7	46.6	29.7	29.7
10-11 AM	2267	0.0	1188	0.0	3000	2267	0	1188	0.33	0	67.9	62.1	49.7	29.8	29.8
11A-NOON	2370	0.0	1242	0.0	3000	2370	0	1242+	0.33	0	67.8	62.0	49.7	29.6	29.6
NOON-1PM	2410	0.0	1263	0.0	3000	2410	0	1263+	0.34	0	67.8	61.8	49.1	29.5	29.5
1-2 PM	2550	0.0	1335	0.0	3000	2550	0	1335+	0.43	0	67.6	60.2	45.6	29.2	29.2
2-3 PM	2803	0.0	1468	0.0	2999	2803	0	1468+	0.60	0	67.3	57.6	40.6	28.7	28.7
3-4 PM	3238	0.0	1697	0.0	2999	3238	0	1697+	2.07	85	66.7	42.4	37.3	27.7	27.7
4-5 PM	3874	0.0	2031	0.0	3000	3622	251	2282+	11.15	622	64.4	16.4	37.3	26.3	25.4
5-6 PM	3440	0.0	1804	0.0	2999	2832	608	2412+	14.65	770	66.4	13.5	37.3	27.3	24.9
6-7 PM	2331	0.0	1221	0.0	2999	2302	29	1250+	6.26	386	67.8	24.5	42.5	29.7	29.6
7-8 PM	1727	0.0	905	0.0	3000	1727	0	905	0.34	0	68.6	62.5	49.7	31.0	31.0
8-9 PM	1396	0.0	731	0.0	3000	1396	0	731	0.34	0	69.0	62.8	49.7	31.7	31.7
9-10 PM	1170	0.0	613	0.0	3000	1170	0	613	0.35	0	69.3	63.0	49.7	32.2	32.2
10-11 PM	882	0.0	463	0.0	3000	882	0	463	0.35	0	69.6	63.2	49.7	32.9	32.9
11PM-MID	608	0.0	319	0.0	3000	608	0	319	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	0.0290
MAIN ROUTE WITH WORKS	0.0255
DIVERSION	0.2598

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$41,590
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

OCTOBER
 Analyzed for 2009
 Construction Season

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

