

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	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	OFF	402	0	211	0.00	0	70.2	70.2	70.2	33.9	33.9
1-2 AM	327	0.0	172	0.0	OFF	327	0	172	0.00	0	70.2	70.2	70.2	34.0	34.0
2-3 AM	293	0.0	154	0.0	OFF	293	0	154	0.00	0	70.2	70.2	70.2	34.2	34.2
3-4 AM	338	0.0	177	0.0	OFF	338	0	177	0.00	0	70.2	70.2	70.2	34.0	34.0
4-5 AM	509	0.0	267	0.0	OFF	509	0	267	0.00	0	70.1	70.1	70.1	33.7	33.7
5-6 AM	1093	0.0	573	0.0	OFF	1093	0	573	0.00	0	69.4	69.4	69.4	32.4	32.4
6-7 AM	2374	0.0	1245	0.0	OFF	2374	0	1245+	0.00	0	67.8	67.8	67.8	29.6	29.6
7-8 AM	3712	0.0	1946	0.0	OFF	3712	0	1946+	0.00	0	65.5	65.5	65.5	26.6	26.6
8-9 AM	2969	0.0	1558	0.0	OFF	2969	0	1558+	0.00	0	67.1	67.1	67.1	28.3	28.3
9-10 AM	2166	0.0	1135	0.0	1499	1810	356	1492+	10.30	252	68.1	17.3	30.9	30.1	28.6
10-11 AM	2166	0.0	1135	0.0	1499	1504	662	1798+	12.96	311	68.1	14.5	30.8	30.1	27.3
11A-NOON	2300	0.0	1205	0.0	1499	1515	785	1990+	13.45	324	67.9	14.2	30.8	29.7	26.5
NOON-1PM	2381	0.0	1248	0.0	1500	1509	872	2121+	13.80	333	67.8	13.8	30.8	29.6	26.0
1-2 PM	2477	0.0	1298	0.0	1500	1514	963	2260+	14.19	344	67.6	13.5	30.8	29.4	25.3
2-3 PM	2771	0.0	1452	0.0	1500	1549	1222	2675+	15.46	378	67.3	12.6	30.8	28.8	23.7
3-4 PM	3466	0.0	1817	0.0	1500	1636	1830	3646+	19.35	483	66.4	10.4	30.8	27.2	19.6
4-5 PM	4088	0.0	2143	0.0	OFF	4088	0	2143+	0.99	75	62.9	50.0	50.0	25.8	25.8
5-6 PM	3724	0.0	1952	0.0	OFF	3724	0	1952+	0.00	0	65.4	65.4	65.4	26.6	26.6
6-7 PM	2369	0.0	1239	0.0	OFF	2369	0	1239+	0.00	0	67.8	67.8	67.8	29.6	29.6
7-8 PM	1633	0.0	853	0.0	OFF	1633	0	853	0.00	0	68.7	68.7	68.7	31.2	31.2
8-9 PM	1371	0.0	717	0.0	OFF	1371	0	717	0.00	0	69.1	69.1	69.1	31.8	31.8
9-10 PM	1201	0.0	629	0.0	OFF	1201	0	629	0.00	0	69.2	69.2	69.2	32.2	32.2
10-11 PM	906	0.0	474	0.0	OFF	906	0	474	0.00	0	69.6	69.6	69.6	32.8	32.8
11PM-MID	617	0.0	323	0.0	OFF	617	0	323	0.00	0	70.0	70.0	70.0	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	0.0291
MAIN ROUTE WITH WORKS	0.0241
DIVERSION	0.3209

PIA: Personal Injury Accidents

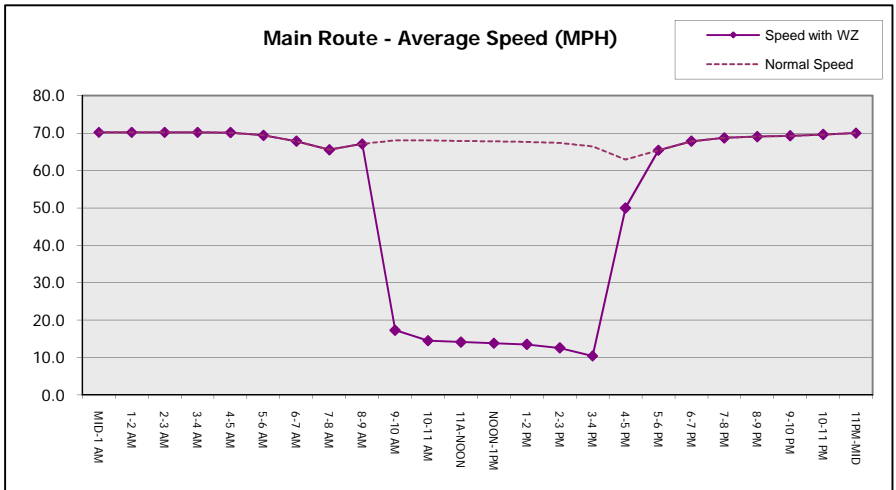
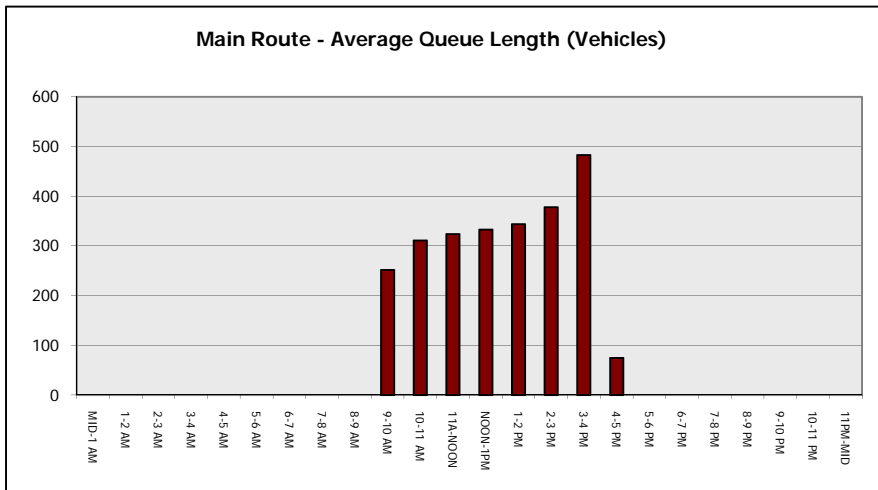
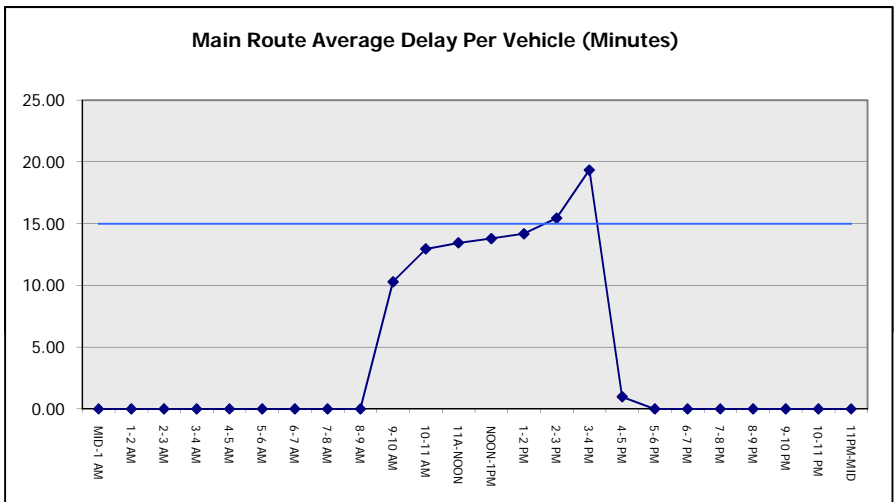
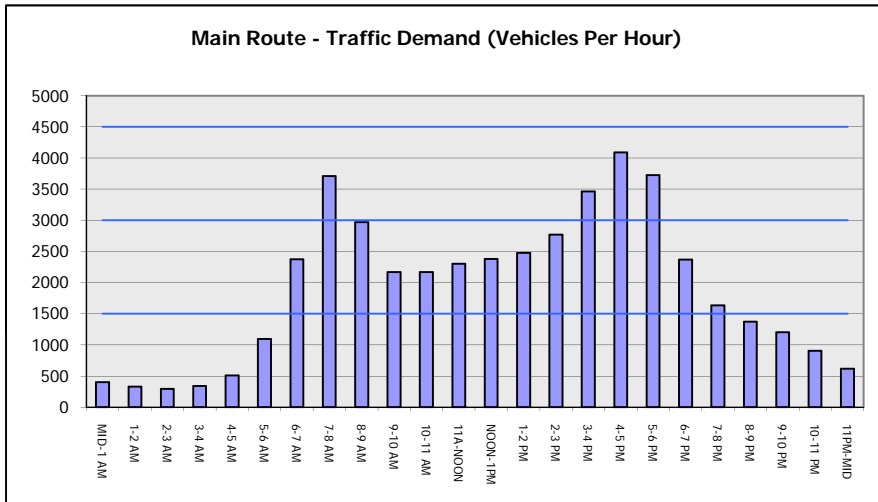
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$69,955
CONGESTED HOURS PER DAY*	2

*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

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) OFF-PEAK DAY 2 LANE CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	OCTOBER Analyzed for 2009 Construction Season
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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	OFF	378	0	198	0.00	0	70.2	70.2	70.2	34.0	34.0
1-2 AM	321	0.0	170	0.0	OFF	321	0	170	0.00	0	70.2	70.2	70.2	34.1	34.1
2-3 AM	323	0.0	171	0.0	OFF	323	0	171	0.00	0	70.2	70.2	70.2	34.1	34.1
3-4 AM	392	0.0	206	0.0	OFF	392	0	206	0.00	0	70.2	70.2	70.2	33.9	33.9
4-5 AM	509	0.0	267	0.0	OFF	509	0	267	0.00	0	70.1	70.1	70.1	33.7	33.7
5-6 AM	1197	0.0	629	0.0	OFF	1197	0	629	0.00	0	69.2	69.2	69.2	32.2	32.2
6-7 AM	2812	0.0	1475	0.0	OFF	2812	0	1475+	0.00	0	67.3	67.3	67.3	28.6	28.6
7-8 AM	3546	0.0	1861	0.0	OFF	3546	0	1861+	0.00	0	66.3	66.3	66.3	27.0	27.0
8-9 AM	2713	0.0	1423	0.0	OFF	2713	0	1423+	0.00	0	67.4	67.4	67.4	28.9	28.9
9-10 AM	2330	0.0	1221	0.0	1499	1830	500	1721+	11.43	281	67.8	16.0	31.3	29.7	27.6
10-11 AM	2267	0.0	1188	0.0	1499	1493	774	1962+	13.37	322	67.9	14.2	30.8	29.8	26.6
11A-NOON	2370	0.0	1242	0.0	1499	1512	857	2099+	13.74	332	67.8	13.9	30.8	29.6	26.0
NOON-1PM	2410	0.0	1263	0.0	1500	1505	905	2168+	13.93	337	67.8	13.7	30.8	29.5	25.8
1-2 PM	2550	0.0	1335	0.0	1500	1520	1030	2366+	14.49	352	67.6	13.3	30.8	29.2	24.9
2-3 PM	2803	0.0	1468	0.0	1500	1539	1264	2732+	15.66	383	67.3	12.5	30.8	28.7	23.4
3-4 PM	3238	0.0	1697	0.0	1499	1582	1656	3354+	18.02	446	66.7	11.1	30.8	27.7	20.8
4-5 PM	3874	0.0	2031	0.0	OFF	3874	0	2031+	0.74	54	64.4	53.7	53.7	26.3	26.3
5-6 PM	3440	0.0	1804	0.0	OFF	3440	0	1804+	0.00	0	66.4	66.4	66.4	27.3	27.3
6-7 PM	2331	0.0	1221	0.0	OFF	2331	0	1221+	0.00	0	67.8	67.8	67.8	29.7	29.7
7-8 PM	1727	0.0	905	0.0	OFF	1727	0	905	0.00	0	68.6	68.6	68.6	31.0	31.0
8-9 PM	1396	0.0	731	0.0	OFF	1396	0	731	0.00	0	69.0	69.0	69.0	31.7	31.7
9-10 PM	1170	0.0	613	0.0	OFF	1170	0	613	0.00	0	69.3	69.3	69.3	32.2	32.2
10-11 PM	882	0.0	463	0.0	OFF	882	0	463	0.00	0	69.6	69.6	69.6	32.9	32.9
11PM-MID	608	0.0	319	0.0	OFF	608	0	319	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	0.0290
MAIN ROUTE WITH WORKS	0.0239
DIVERSION	0.3237

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$70,449
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

OCTOBER
 Analyzed for 2009
 Construction Season

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

