

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

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	607	0.0	318	0.0	3000	607	0	318	0.36	0	70.0	63.4	49.7	33.5	33.5
1-2 AM	425	0.0	223	0.0	3000	425	0	223	0.36	0	70.2	63.5	49.7	33.8	33.8
2-3 AM	370	0.0	194	0.0	3000	370	0	194	0.36	0	70.2	63.5	49.7	34.0	34.0
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	382	0.0	200	0.0	3000	382	0	200	0.36	0	70.2	63.5	49.7	34.0	34.0
5-6 AM	627	0.0	329	0.0	3000	627	0	329	0.36	0	69.9	63.3	49.7	33.4	33.4
6-7 AM	971	0.0	509	0.0	3000	971	0	509	0.35	0	69.6	63.1	49.7	32.7	32.7
7-8 AM	1600	0.0	839	0.0	3000	1600	0	839	0.34	0	68.7	62.6	49.7	31.3	31.3
8-9 AM	2237	0.0	1173	0.0	3000	2237	0	1173	0.33	0	67.9	62.2	49.7	29.9	29.9
9-10 AM	2623	0.0	1375	0.0	2999	2623	0	1375+	0.48	0	67.5	59.4	44.2	29.1	29.1
10-11 AM	3004	0.0	1575	0.0	2999	3004	0	1575+	0.82	6	67.0	54.5	37.6	28.2	28.2
11A-NOON	2994	0.0	1570	0.0	2999	2994	0	1570+	1.14	22	67.0	50.8	37.3	28.3	28.3
NOON-1PM	2984	0.0	1564	0.0	3000	2984	0	1564+	1.02	16	67.0	52.2	37.4	28.3	28.3
1-2 PM	2838	0.0	1488	0.0	3000	2838	0	1488+	0.62	0	67.2	57.2	39.9	28.6	28.6
2-3 PM	3252	0.0	1705	0.0	2999	3252	0	1705+	2.54	111	66.7	39.1	37.3	27.7	27.7
3-4 PM	3288	0.0	1723	0.0	3000	3288	0	1723+	7.88	404	66.6	20.9	37.3	27.6	27.6
4-5 PM	2976	0.0	1560	0.0	2999	2976	0	1560+	10.52	539	67.0	17.0	37.3	28.3	28.3
5-6 PM	2912	0.0	1527	0.0	3000	2912	0	1527+	9.63	491	67.1	18.2	37.3	28.4	28.4
6-7 PM	2356	0.0	1236	0.0	2999	2356	0	1236+	2.51	170	67.8	39.7	44.5	29.6	29.6
7-8 PM	1807	0.0	947	0.0	3000	1807	0	947	0.34	0	68.5	62.5	49.7	30.8	30.8
8-9 PM	1399	0.0	734	0.0	3000	1399	0	734	0.34	0	69.0	62.8	49.7	31.7	31.7
9-10 PM	1263	0.0	662	0.0	3000	1263	0	662	0.35	0	69.2	62.9	49.7	32.0	32.0
10-11 PM	938	0.0	492	0.0	3000	938	0	492	0.35	0	69.6	63.2	49.7	32.7	32.7
11PM-MID	663	0.0	347	0.0	3000	663	0	347	0.36	0	69.9	63.3	49.7	33.3	33.3

+ 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	0.0273
MAIN ROUTE WITH WORKS	0.0245
DIVERSION	0.2355

PIA: Personal Injury Accidents

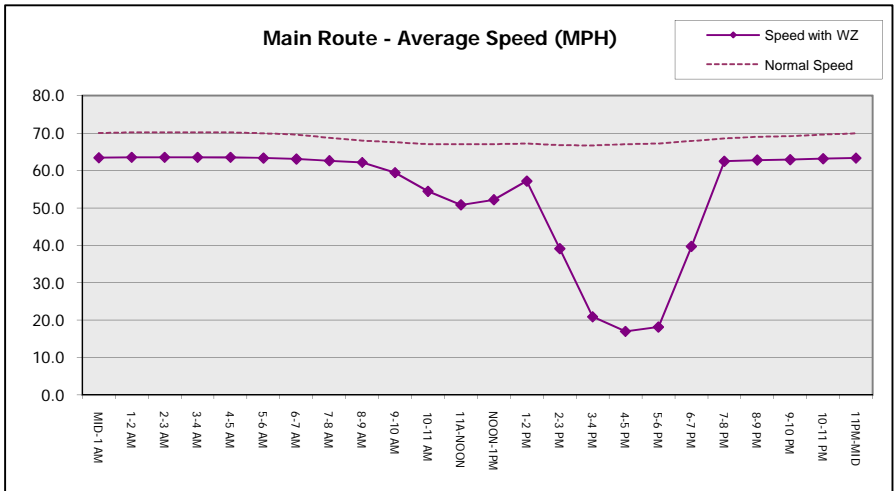
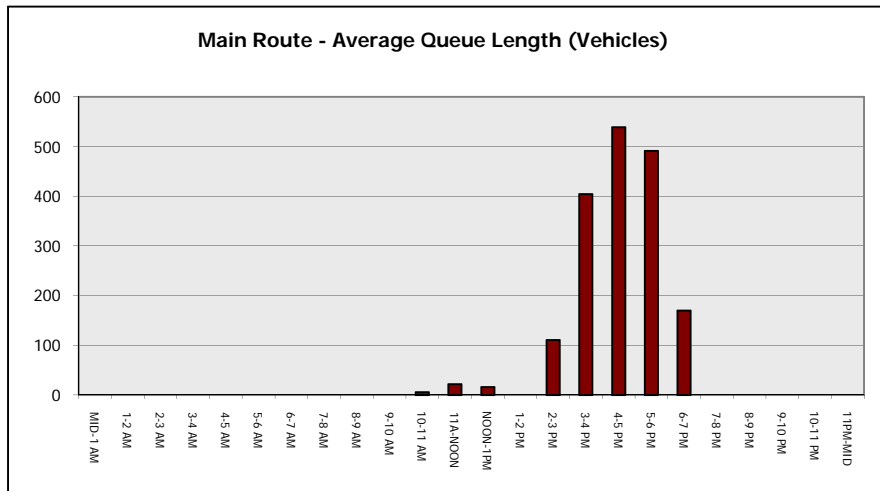
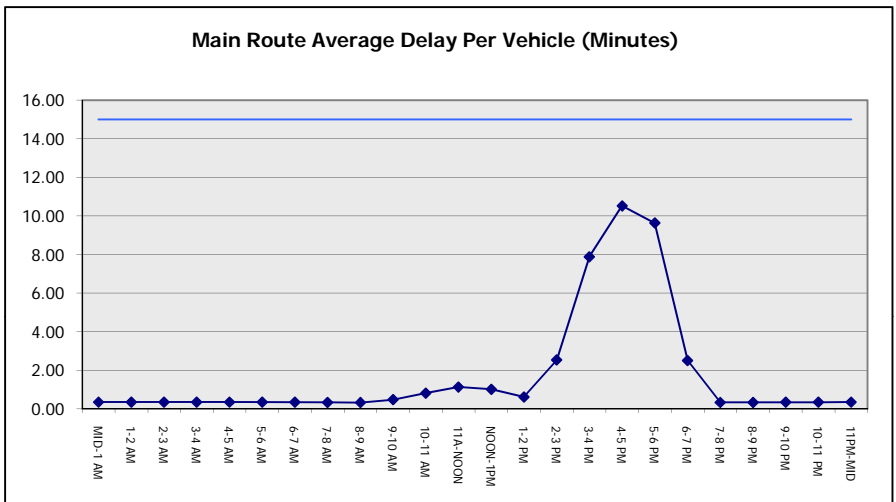
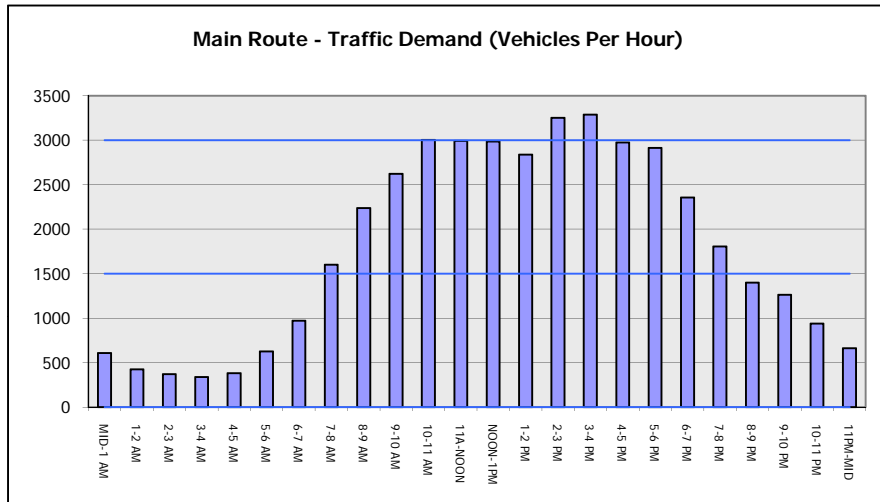
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$32,035
CONGESTED HOURS PER DAY*	0

*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
SATURDAY 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

SATURDAY 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	526	0.0	276	0.0	3000	526	0	276	0.36	0	70.0	63.5	49.7	33.6	33.6
1-2 AM	376	0.0	197	0.0	3000	376	0	197	0.36	0	70.2	63.5	49.7	34.0	34.0
2-3 AM	343	0.0	180	0.0	3000	343	0	180	0.36	0	70.2	63.5	49.7	34.0	34.0
3-4 AM	320	0.0	167	0.0	3000	320	0	167	0.36	0	70.2	63.5	49.7	34.1	34.1
4-5 AM	369	0.0	194	0.0	3000	369	0	194	0.36	0	70.2	63.5	49.7	34.0	34.0
5-6 AM	471	0.0	247	0.0	3000	471	0	247	0.36	0	70.2	63.5	49.7	33.7	33.7
6-7 AM	886	0.0	465	0.0	3000	886	0	465	0.35	0	69.6	63.2	49.7	32.9	32.9
7-8 AM	1502	0.0	787	0.0	3000	1502	0	787	0.34	0	68.9	62.7	49.7	31.5	31.5
8-9 AM	2608	0.0	1368	0.0	2999	2608	0	1368+	0.47	0	67.5	59.6	44.8	29.1	29.1
9-10 AM	3086	0.0	1618	0.0	2999	3086	0	1618+	1.35	36	66.9	48.6	37.3	28.0	28.0
10-11 AM	2825	0.0	1481	0.0	2999	2825	0	1481+	1.09	28	67.3	51.5	39.4	28.6	28.6
11A-NOON	2705	0.0	1419	0.0	3000	2705	0	1419+	0.54	0	67.4	58.6	42.4	28.9	28.9
NOON-1PM	2703	0.0	1417	0.0	3000	2703	0	1417+	0.53	0	67.4	58.6	42.4	28.9	28.9
1-2 PM	2654	0.0	1391	0.0	3000	2654	0	1391+	0.50	0	67.4	59.1	43.4	29.0	29.0
2-3 PM	2642	0.0	1385	0.0	3000	2642	0	1385+	0.50	0	67.4	59.2	43.6	29.0	29.0
3-4 PM	2618	0.0	1372	0.0	3000	2618	0	1372+	0.48	0	67.5	59.5	44.2	29.1	29.1
4-5 PM	2659	0.0	1394	0.0	3000	2659	0	1394+	0.51	0	67.4	59.1	43.3	28.9	28.9
5-6 PM	2474	0.0	1297	0.0	3000	2474	0	1297+	0.38	0	67.7	61.0	47.4	29.4	29.4
6-7 PM	2175	0.0	1141	0.0	3000	2175	0	1141	0.33	0	68.0	62.2	49.7	30.0	30.0
7-8 PM	1798	0.0	943	0.0	3000	1798	0	943	0.34	0	68.5	62.5	49.7	30.9	30.9
8-9 PM	1546	0.0	810	0.0	3000	1546	0	810	0.34	0	68.8	62.7	49.7	31.4	31.4
9-10 PM	1302	0.0	682	0.0	3000	1302	0	682	0.35	0	69.1	62.8	49.7	31.9	31.9
10-11 PM	1000	0.0	524	0.0	3000	1000	0	524	0.35	0	69.5	63.1	49.7	32.6	32.6
11PM-MID	679	0.0	356	0.0	3000	679	0	356	0.36	0	69.9	63.3	49.7	33.3	33.3

+ 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	0.0256
MAIN ROUTE WITH WORKS	0.0230
DIVERSION	0.2212

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$6,114
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: BELTLINE - USH 51 - STH 30

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

