

<b>IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>DIVERSION ROUTE: BELTLINE - USH 51 - STH 30</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

**FRIDAY 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	504	0.0	264	0.0	3000	504	0	264	0.36	0	70.1	63.5	49.7	33.7	33.7
1-2 AM	402	0.0	211	0.0	3000	402	0	211	0.36	0	70.2	63.5	49.7	33.9	33.9
2-3 AM	356	0.0	186	0.0	3000	356	0	186	0.36	0	70.2	63.5	49.7	34.0	34.0
3-4 AM	373	0.0	196	0.0	3000	373	0	196	0.36	0	70.2	63.5	49.7	34.0	34.0
4-5 AM	580	0.0	305	0.0	3000	580	0	305	0.36	0	70.0	63.4	49.7	33.5	33.5
5-6 AM	1090	0.0	571	0.0	OFF	1090	0	571	0.00	0	69.4	69.4	69.4	32.4	32.4
6-7 AM	2268	0.0	1189	0.0	OFF	2268	0	1189	0.00	0	67.9	67.9	67.9	29.8	29.8
7-8 AM	3540	0.0	1856	0.0	OFF	3540	0	1856+	0.00	0	66.3	66.3	66.3	27.0	27.0
8-9 AM	3049	0.0	1598	0.0	OFF	3049	0	1598+	0.00	0	66.9	66.9	66.9	28.1	28.1
9-10 AM	2621	0.0	1374	0.0	OFF	2621	0	1374+	0.00	0	67.5	67.5	67.5	29.1	29.1
10-11 AM	2850	0.0	1494	0.0	OFF	2850	0	1494+	0.00	0	67.2	67.2	67.2	28.6	28.6
11A-NOON	3177	0.0	1665	0.0	OFF	3177	0	1665+	0.00	0	66.8	66.8	66.8	27.8	27.8
NOON-1PM	3417	0.0	1792	0.0	OFF	3417	0	1792+	0.00	0	66.5	66.5	66.5	27.3	27.3
1-2 PM	3675	0.0	1926	0.0	OFF	3675	0	1926+	0.00	0	65.8	65.8	65.8	26.8	26.8
2-3 PM	3959	0.0	2076	0.0	OFF	3959	0	2076+	0.00	0	63.8	63.8	63.8	26.1	26.1
3-4 PM	4714	0.0	2472	0.0	OFF	4714	0	2472+	0.00	0	58.7	58.7	58.7	24.5	24.5
4-5 PM	5035	0.0	2640	0.0	OFF	5035	0	2640+	0.00	0	56.4	56.4	56.4	23.8	23.8
5-6 PM	4568	0.0	2395	0.0	OFF	4568	0	2395+	0.00	0	59.6	59.6	59.6	24.8	24.8
6-7 PM	3545	0.0	1858	0.0	OFF	3545	0	1858+	0.00	0	66.3	66.3	66.3	27.0	27.0
7-8 PM	2725	0.0	1428	0.0	3000	2725	0	1428+	0.55	0	67.4	58.4	42.0	28.8	28.8
8-9 PM	2215	0.0	1162	0.0	3000	2215	0	1162	0.33	0	68.0	62.2	49.7	29.9	29.9
9-10 PM	1820	0.0	954	0.0	3000	1820	0	954	0.34	0	68.5	62.5	49.7	30.8	30.8
10-11 PM	1323	0.0	694	0.0	3000	1323	0	694	0.35	0	69.1	62.8	49.7	31.9	31.9
11PM-MID	861	0.0	451	0.0	3000	861	0	451	0.35	0	69.7	63.2	49.7	32.9	32.9

"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	0.0374
MAIN ROUTE WITH WORKS	0.0366
DIVERSION	0.3224

PIA: Personal Injury Accidents

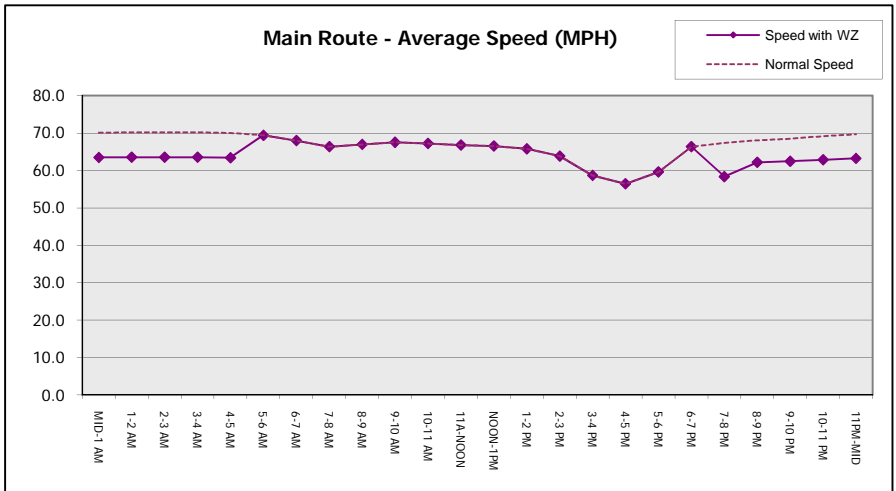
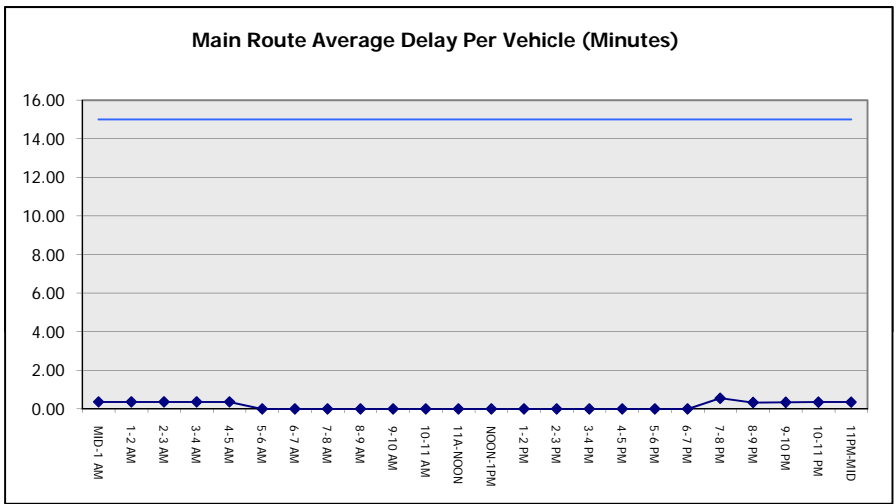
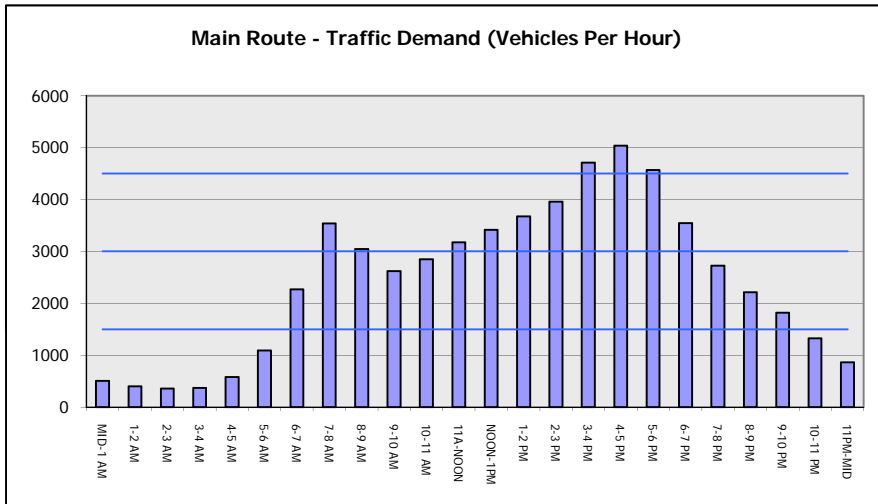
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$908
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)**  
**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: BELTLINE - USH 51 - STH 30**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY WESTBOUND DIRECTION**



<b>IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
FRIDAY	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		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	426	0.0	223	0.0	3000	426	0	223	0.36	0	70.2	63.5	49.7	33.8	33.8
1-2 AM	370	0.0	194	0.0	3000	370	0	194	0.36	0	70.2	63.5	49.7	34.0	34.0
2-3 AM	374	0.0	196	0.0	3000	374	0	196	0.36	0	70.2	63.5	49.7	34.0	34.0
3-4 AM	439	0.0	230	0.0	3000	439	0	230	0.36	0	70.2	63.5	49.7	33.8	33.8
4-5 AM	524	0.0	275	0.0	3000	524	0	275	0.36	0	70.1	63.5	49.7	33.7	33.7
5-6 AM	1131	0.0	593	0.0	OFF	1131	0	593	0.00	0	69.3	69.3	69.3	32.3	32.3
6-7 AM	2623	0.0	1375	0.0	OFF	2623	0	1375+	0.00	0	67.5	67.5	67.5	29.1	29.1
7-8 AM	3279	0.0	1718	0.0	OFF	3279	0	1718+	0.00	0	66.6	66.6	66.6	27.6	27.6
8-9 AM	2735	0.0	1434	0.0	OFF	2735	0	1434+	0.00	0	67.3	67.3	67.3	28.8	28.8
9-10 AM	2453	0.0	1286	0.0	OFF	2453	0	1286+	0.00	0	67.7	67.7	67.7	29.4	29.4
10-11 AM	2604	0.0	1366	0.0	OFF	2604	0	1366+	0.00	0	67.5	67.5	67.5	29.1	29.1
11A-NOON	2865	0.0	1502	0.0	OFF	2865	0	1502+	0.00	0	67.2	67.2	67.2	28.5	28.5
NOON-1PM	2974	0.0	1559	0.0	OFF	2974	0	1559+	0.00	0	67.1	67.1	67.1	28.3	28.3
1-2 PM	3191	0.0	1673	0.0	OFF	3191	0	1673+	0.00	0	66.8	66.8	66.8	27.8	27.8
2-3 PM	3513	0.0	1842	0.0	OFF	3513	0	1842+	0.00	0	66.4	66.4	66.4	27.1	27.1
3-4 PM	3848	0.0	2018	0.0	OFF	3848	0	2018+	0.00	0	64.6	64.6	64.6	26.4	26.4
4-5 PM	4272	0.0	2239	0.0	OFF	4272	0	2239+	0.00	0	61.7	61.7	61.7	25.5	25.5
5-6 PM	3897	0.0	2044	0.0	OFF	3897	0	2044+	0.00	0	64.2	64.2	64.2	26.3	26.3
6-7 PM	3020	0.0	1583	0.0	OFF	3020	0	1583+	0.00	0	67.0	67.0	67.0	28.2	28.2
7-8 PM	2391	0.0	1254	0.0	3000	2391	0	1254+	0.33	0	67.8	62.0	49.6	29.6	29.6
8-9 PM	1856	0.0	973	0.0	3000	1856	0	973	0.34	0	68.4	62.4	49.7	30.7	30.7
9-10 PM	1517	0.0	795	0.0	3000	1517	0	795	0.34	0	68.9	62.7	49.7	31.5	31.5
10-11 PM	1157	0.0	607	0.0	3000	1157	0	607	0.35	0	69.3	63.0	49.7	32.2	32.2
11PM-MID	804	0.0	422	0.0	3000	804	0	422	0.35	0	69.7	63.2	49.7	33.0	33.0

"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	0.0333
MAIN ROUTE WITH WORKS	0.0326
DIVERSION	0.2872

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$698
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: BELTLINE - USH 51 - STH 30**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY EASTBOUND DIRECTION**

