

<b>IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)</b> <b>OFF-PEAK DAY 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	OFF	504	0	264	0.00	0	70.1	70.1	70.1	33.7	33.7
1-2 AM	402	0.0	211	0.0	OFF	402	0	211	0.00	0	70.2	70.2	70.2	33.9	33.9
2-3 AM	356	0.0	186	0.0	OFF	356	0	186	0.00	0	70.2	70.2	70.2	34.0	34.0
3-4 AM	373	0.0	196	0.0	OFF	373	0	196	0.00	0	70.2	70.2	70.2	34.0	34.0
4-5 AM	580	0.0	305	0.0	OFF	580	0	305	0.00	0	70.0	70.0	70.0	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	3000	2621	0	1374+	0.48	0	67.5	59.4	44.1	29.1	29.1
10-11 AM	2850	0.0	1494	0.0	2999	2850	0	1494+	0.63	0	67.2	57.1	39.7	28.6	28.6
11A-NOON	3177	0.0	1665	0.0	2999	3177	0	1665+	1.89	70	66.8	43.8	37.3	27.8	27.8
NOON-1PM	3417	0.0	1792	0.0	3000	3417	0	1792+	7.04	369	66.5	22.5	37.3	27.3	27.3
1-2 PM	3675	0.0	1926	0.0	2999	3227	448	2374+	14.35	757	65.8	13.6	37.3	26.8	25.0
2-3 PM	3959	0.0	2076	0.0	3000	3111	848	2925+	16.30	869	63.8	12.7	37.3	26.1	23.0
3-4 PM	4714	0.0	2472	0.0	3000	3356	1358	3830+	20.51	1127	58.7	11.4	37.3	24.5	19.7
4-5 PM	5035	0.0	2640	0.0	OFF	5035	0	2640+	8.60	804	56.4	18.7	18.7	23.8	23.8
5-6 PM	4568	0.0	2395	0.0	OFF	4568	0	2395+	0.52	36	59.6	52.8	52.8	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	OFF	2725	0	1428+	0.00	0	67.4	67.4	67.4	28.8	28.8
8-9 PM	2215	0.0	1162	0.0	OFF	2215	0	1162	0.00	0	68.0	68.0	68.0	29.9	29.9
9-10 PM	1820	0.0	954	0.0	OFF	1820	0	954	0.00	0	68.5	68.5	68.5	30.8	30.8
10-11 PM	1323	0.0	694	0.0	OFF	1323	0	694	0.00	0	69.1	69.1	69.1	31.9	31.9
11PM-MID	861	0.0	451	0.0	OFF	861	0	451	0.00	0	69.7	69.7	69.7	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 (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	0.0374
MAIN ROUTE WITH WORKS	0.0342
DIVERSION	0.3502

PIA: Personal Injury Accidents

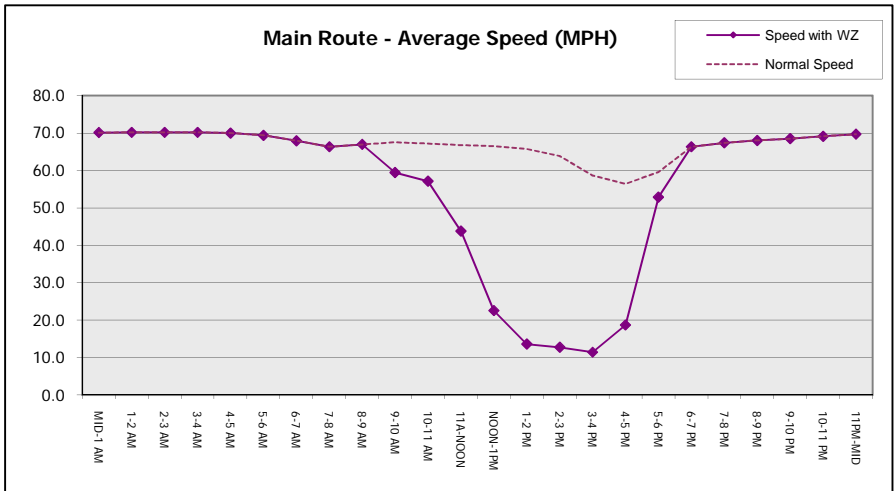
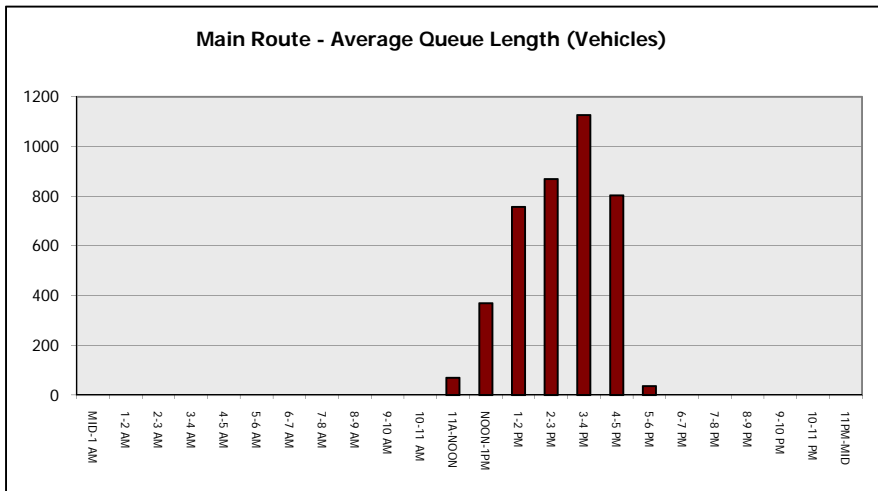
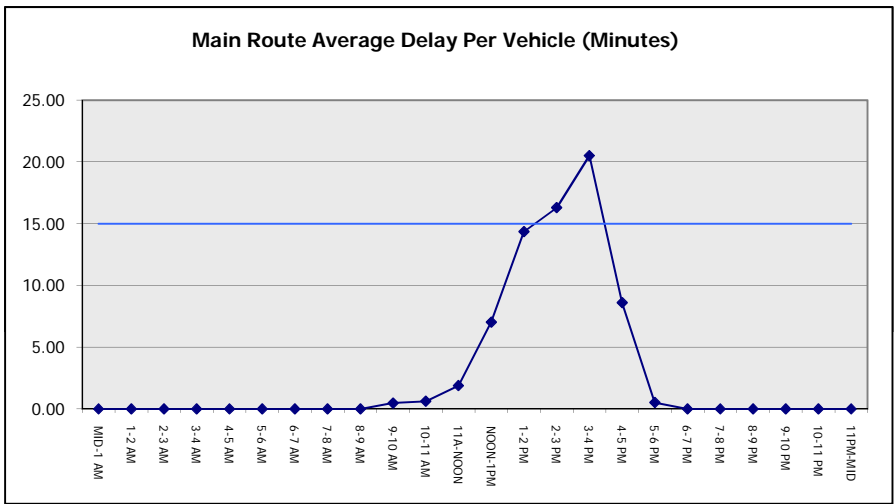
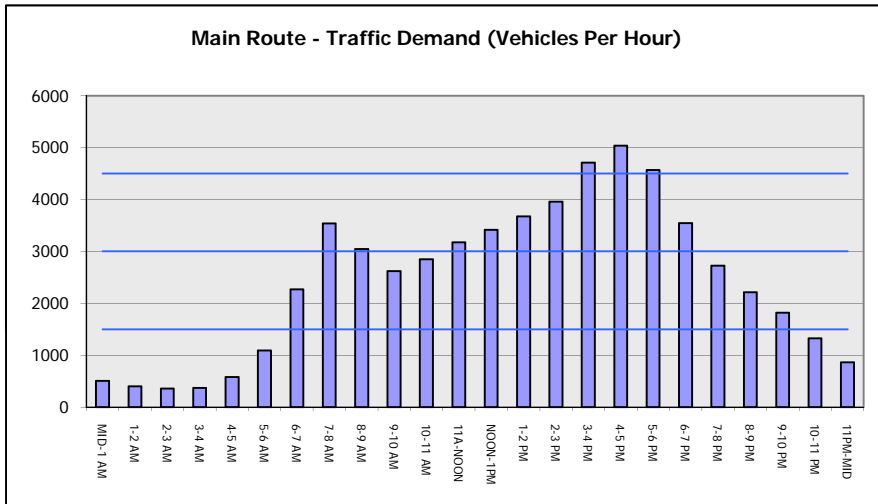
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$58,817
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding 15 Minutes

**IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)**  
**OFF-PEAK DAY 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)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>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	OFF	426	0	223	0.00	0	70.2	70.2	70.2	33.8	33.8
1-2 AM	370	0.0	194	0.0	OFF	370	0	194	0.00	0	70.2	70.2	70.2	34.0	34.0
2-3 AM	374	0.0	196	0.0	OFF	374	0	196	0.00	0	70.2	70.2	70.2	34.0	34.0
3-4 AM	439	0.0	230	0.0	OFF	439	0	230	0.00	0	70.2	70.2	70.2	33.8	33.8
4-5 AM	524	0.0	275	0.0	OFF	524	0	275	0.00	0	70.1	70.1	70.1	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	3000	2453	0	1286+	0.37	0	67.7	61.3	47.9	29.4	29.4
10-11 AM	2604	0.0	1366	0.0	3000	2604	0	1366+	0.47	0	67.5	59.6	44.4	29.1	29.1
11A-NOON	2865	0.0	1502	0.0	2999	2865	0	1502+	0.64	0	67.2	56.9	39.4	28.5	28.5
NOON-1PM	2974	0.0	1559	0.0	2999	2974	0	1559+	0.74	1	67.1	55.6	37.8	28.3	28.3
1-2 PM	3191	0.0	1673	0.0	3000	3191	0	1673+	2.15	85	66.8	41.8	37.3	27.8	27.8
2-3 PM	3513	0.0	1842	0.0	3000	3513	0	1842+	8.07	434	66.4	20.6	37.3	27.1	27.1
3-4 PM	3848	0.0	2018	0.0	2999	3171	677	2695+	15.49	822	64.6	13.0	37.3	26.4	23.8
4-5 PM	4272	0.0	2239	0.0	OFF	4272	0	2239+	2.67	225	61.7	36.6	36.6	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	OFF	2391	0	1254+	0.00	0	67.8	67.8	67.8	29.6	29.6
8-9 PM	1856	0.0	973	0.0	OFF	1856	0	973	0.00	0	68.4	68.4	68.4	30.7	30.7
9-10 PM	1517	0.0	795	0.0	OFF	1517	0	795	0.00	0	68.9	68.9	68.9	31.5	31.5
10-11 PM	1157	0.0	607	0.0	OFF	1157	0	607	0.00	0	69.3	69.3	69.3	32.2	32.2
11PM-MID	804	0.0	422	0.0	OFF	804	0	422	0.00	0	69.7	69.7	69.7	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	0.0315
DIVERSION	0.2943

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$22,581
CONGESTED HOURS PER DAY*	1

\*Delays Exceeding 15 Minutes

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**OFF-PEAK DAY 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**

