

<b>IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)</b> <b>OFF-PEAK DAY 2 LANE 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	1499	1852	769	2143+	13.84	346	67.5	13.8	32.1	29.1	25.8
10-11 AM	2850	0.0	1494	0.0	1499	1551	1299	2793+	15.86	389	67.2	12.4	30.8	28.6	23.2
11A-NOON	3177	0.0	1665	0.0	1500	1554	1623	3288+	17.74	438	66.8	11.2	30.8	27.8	21.1
NOON-1PM	3417	0.0	1792	0.0	1500	1545	1871	3663+	19.44	483	66.5	10.4	30.8	27.3	19.5
1-2 PM	3675	0.0	1926	0.0	1500	1560	2114	4041+	21.42	536	65.8	9.6	30.8	26.8	17.9
2-3 PM	3959	0.0	2076	0.0	1500	1598	2361	4437+	23.85	603	63.8	8.7	30.8	26.1	16.3
3-4 PM	4714	0.0	2472	0.0	1499	1500	3214	5685+	26.08	670	58.7	7.9	30.8	24.5	14.9
4-5 PM	5035	0.0	2640	0.0	OFF	5035	0	2640+	2.63	226	56.4	34.9	34.9	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	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	0.0282
DIVERSION	0.4613

PIA: Personal Injury Accidents

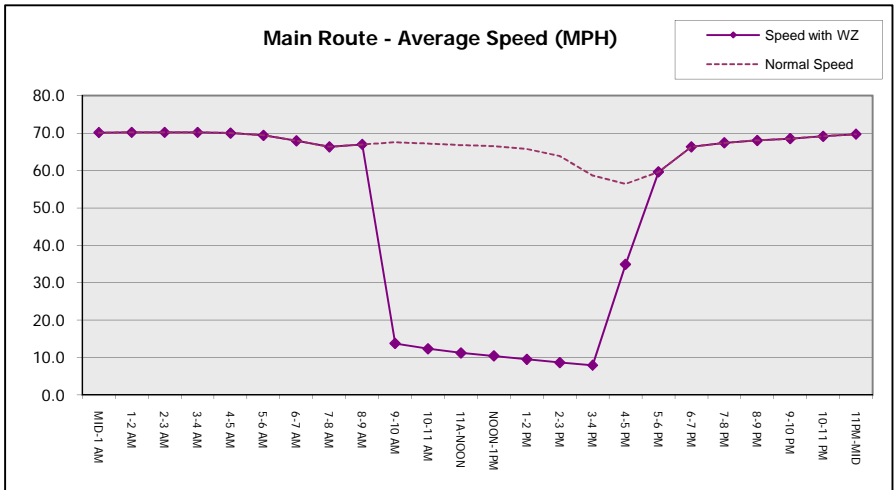
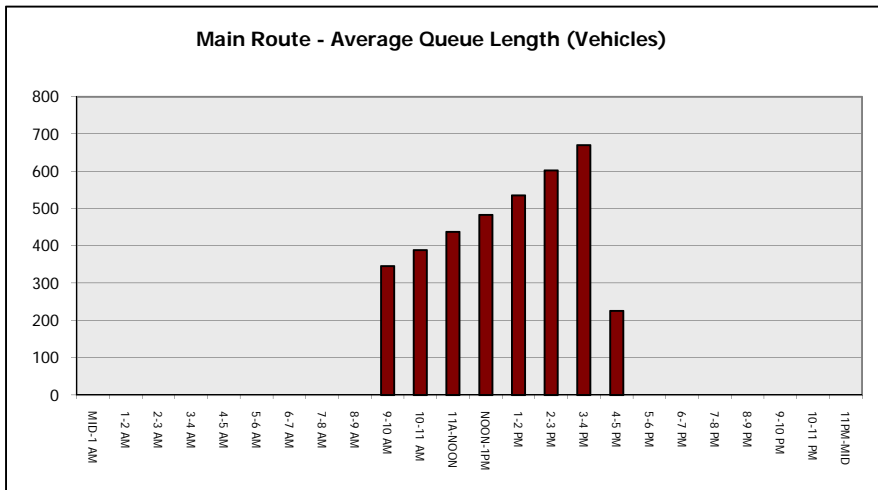
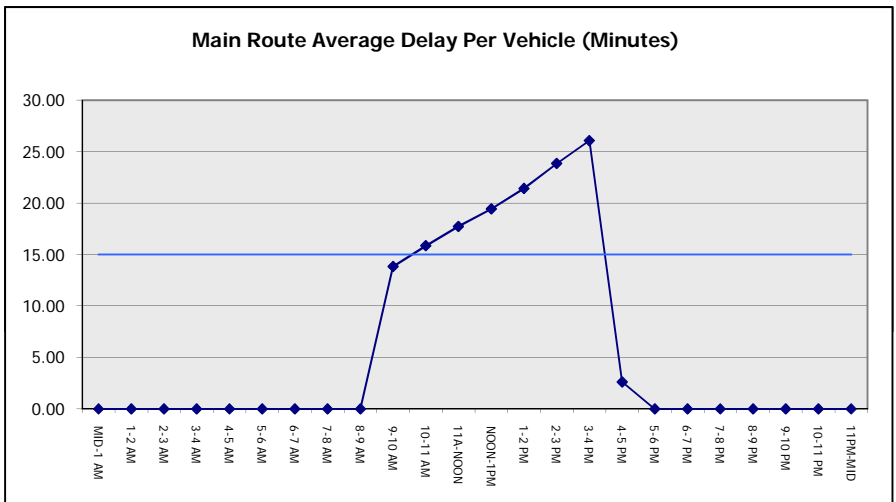
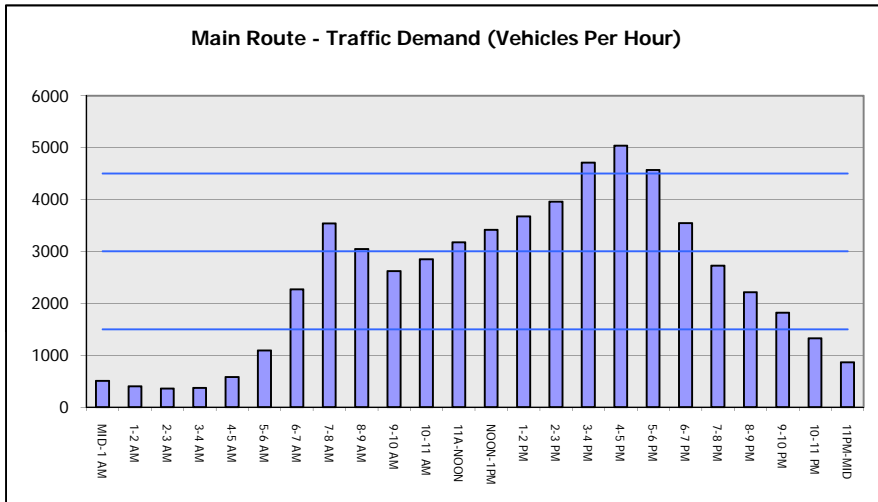
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$146,489
CONGESTED HOURS PER DAY*	6

\*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**  
**FRIDAY WESTBOUND DIRECTION**



<b>IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)</b> <b>OFF-PEAK DAY 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: BELTLINE - USH 51 - STH 30</b>	<b>OCTOBER</b> Analyzed for 2009 Construction Season
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<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	1499	1845	608	1894+	12.28	304	67.7	15.2	31.4	29.4	26.9
10-11 AM	2604	0.0	1366	0.0	1499	1522	1082	2448+	14.74	359	67.5	13.1	30.8	29.1	24.6
11A-NOON	2865	0.0	1502	0.0	1499	1535	1330	2831+	16.00	392	67.2	12.2	30.8	28.5	23.0
NOON-1PM	2974	0.0	1559	0.0	1500	1516	1458	3017+	16.67	410	67.1	11.9	30.8	28.3	22.2
1-2 PM	3191	0.0	1673	0.0	1500	1541	1650	3323+	17.89	442	66.8	11.2	30.8	27.8	20.9
2-3 PM	3513	0.0	1842	0.0	1500	1568	1945	3787+	20.05	500	66.4	10.1	30.8	27.1	19.0
3-4 PM	3848	0.0	2018	0.0	1500	1589	2259	4276+	22.80	575	64.6	9.1	30.8	26.4	17.0
4-5 PM	4272	0.0	2239	0.0	OFF	4272	0	2239+	1.39	110	61.7	45.5	45.5	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	0.0260
DIVERSION	0.3955

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$109,846
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding 15 Minutes

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**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**  
**FRIDAY EASTBOUND DIRECTION**

