

<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>AUGUST</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	595	0.0	312	0.0	OFF	595	0	312	0.00	0	70.0	70.0	70.0	33.5	33.5
1-2 AM	470	0.0	247	0.0	OFF	470	0	247	0.00	0	70.2	70.2	70.2	33.7	33.7
2-3 AM	394	0.0	207	0.0	OFF	394	0	207	0.00	0	70.2	70.2	70.2	33.9	33.9
3-4 AM	411	0.0	216	0.0	OFF	411	0	216	0.00	0	70.2	70.2	70.2	33.9	33.9
4-5 AM	582	0.0	305	0.0	OFF	582	0	305	0.00	0	70.0	70.0	70.0	33.5	33.5
5-6 AM	1069	0.0	560	0.0	OFF	1069	0	560	0.00	0	69.4	69.4	69.4	32.4	32.4
6-7 AM	2270	0.0	1190	0.0	OFF	2270	0	1190	0.00	0	67.9	67.9	67.9	29.8	29.8
7-8 AM	3444	0.0	1806	0.0	OFF	3444	0	1806+	0.00	0	66.4	66.4	66.4	27.3	27.3
8-9 AM	3164	0.0	1659	0.0	OFF	3164	0	1659+	0.00	0	66.8	66.8	66.8	27.9	27.9
9-10 AM	3005	0.0	1576	0.0	2999	3005	0	1576+	0.76	1	67.0	55.3	37.3	28.2	28.2
10-11 AM	3229	0.0	1693	0.0	3000	3229	0	1693+	2.38	101	66.7	40.1	37.3	27.7	27.7
11A-NOON	3624	0.0	1899	0.0	3000	3571	52	1951+	9.45	516	66.1	18.3	37.3	26.9	26.6
NOON-1PM	3930	0.0	2060	0.0	2999	3084	846	2906+	16.24	865	64.0	12.7	37.3	26.2	23.1
1-2 PM	3864	0.0	2026	0.0	2999	2982	883	2908+	16.28	865	64.5	12.7	37.3	26.3	23.1
2-3 PM	4266	0.0	2236	0.0	3000	3179	1087	3323+	17.89	965	61.7	12.2	37.3	25.5	21.6
3-4 PM	4864	0.0	2550	0.0	3000	3319	1545	4095+	22.28	1230	57.6	11.0	37.3	24.2	18.7
4-5 PM	4973	0.0	2607	0.0	OFF	4973	0	2607+	9.16	856	56.9	17.9	17.9	23.9	23.9
5-6 PM	4285	0.0	2247	0.0	OFF	4285	0	2247+	0.50	34	61.6	54.6	54.6	25.4	25.4
6-7 PM	3906	0.0	2048	0.0	OFF	3906	0	2048+	0.00	0	64.1	64.1	64.1	26.3	26.3
7-8 PM	3082	0.0	1616	0.0	OFF	3082	0	1616+	0.00	0	66.9	66.9	66.9	28.1	28.1
8-9 PM	2561	0.0	1343	0.0	OFF	2561	0	1343+	0.00	0	67.6	67.6	67.6	29.2	29.2
9-10 PM	2263	0.0	1187	0.0	OFF	2263	0	1187	0.00	0	67.9	67.9	67.9	29.8	29.8
10-11 PM	1736	0.0	909	0.0	OFF	1736	0	909	0.00	0	68.6	68.6	68.6	31.0	31.0
11PM-MID	1083	0.0	568	0.0	OFF	1083	0	568	0.00	0	69.4	69.4	69.4	32.4	32.4

"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	0.0402
MAIN ROUTE WITH WORKS	0.0359
DIVERSION	0.3928

PIA: Personal Injury Accidents

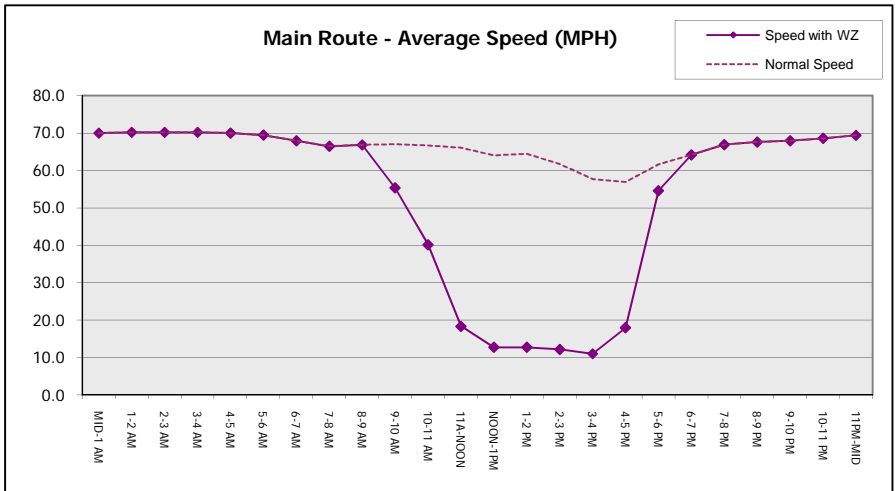
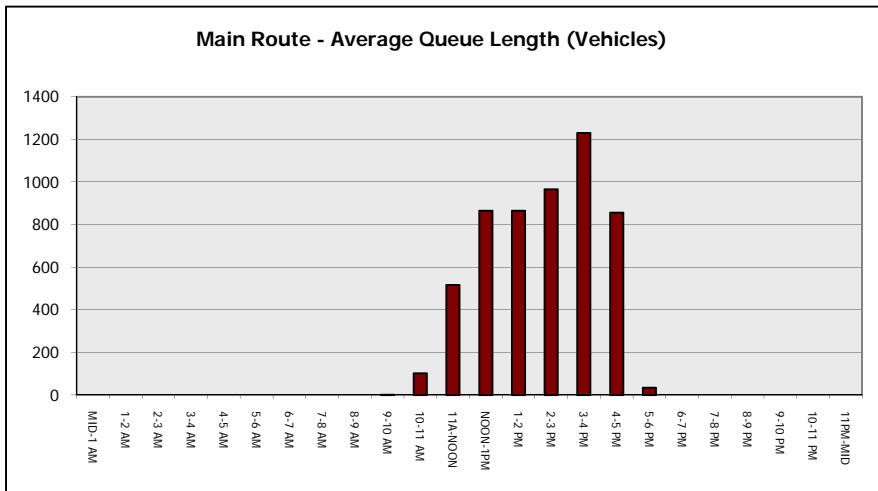
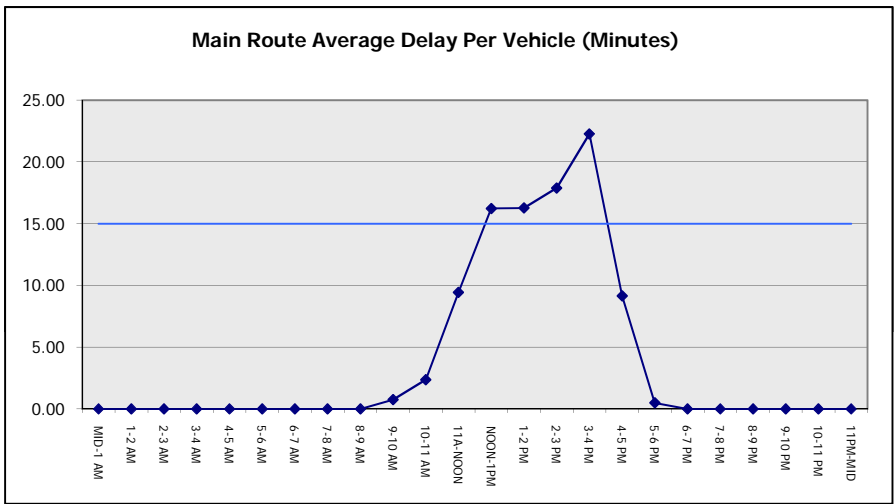
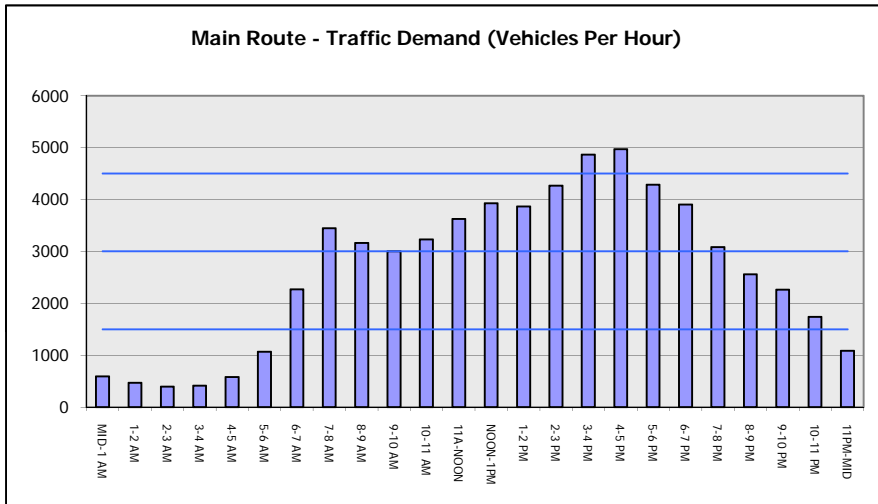
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$89,614
CONGESTED HOURS PER DAY*	4

\*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**

**AUGUST**  
 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>AUGUST</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			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	525	0.0	275	0.0	OFF	525	0	275	0.00	0	70.1	70.1	70.1	33.7	33.7
1-2 AM	443	0.0	232	0.0	OFF	443	0	232	0.00	0	70.2	70.2	70.2	33.8	33.8
2-3 AM	396	0.0	207	0.0	OFF	396	0	207	0.00	0	70.2	70.2	70.2	33.9	33.9
3-4 AM	394	0.0	206	0.0	OFF	394	0	206	0.00	0	70.2	70.2	70.2	33.9	33.9
4-5 AM	515	0.0	270	0.0	OFF	515	0	270	0.00	0	70.1	70.1	70.1	33.7	33.7
5-6 AM	1107	0.0	580	0.0	OFF	1107	0	580	0.00	0	69.4	69.4	69.4	32.4	32.4
6-7 AM	2586	0.0	1355	0.0	OFF	2586	0	1355+	0.00	0	67.5	67.5	67.5	29.1	29.1
7-8 AM	3284	0.0	1721	0.0	OFF	3284	0	1721+	0.00	0	66.6	66.6	66.6	27.6	27.6
8-9 AM	2677	0.0	1404	0.0	OFF	2677	0	1404+	0.00	0	67.4	67.4	67.4	28.9	28.9
9-10 AM	2522	0.0	1323	0.0	3000	2522	0	1323+	0.42	0	67.6	60.5	46.3	29.2	29.2
10-11 AM	2791	0.0	1463	0.0	2999	2791	0	1463+	0.59	0	67.3	57.7	40.8	28.7	28.7
11A-NOON	3105	0.0	1628	0.0	2999	3105	0	1628+	1.39	39	66.9	48.3	37.3	28.0	28.0
NOON-1PM	3218	0.0	1687	0.0	3000	3218	0	1687+	4.25	202	66.8	30.6	37.3	27.8	27.8
1-2 PM	3470	0.0	1820	0.0	3000	3444	26	1846+	10.04	534	66.4	17.6	37.3	27.2	27.1
2-3 PM	3820	0.0	2003	0.0	2999	3097	723	2726+	15.61	827	64.8	13.0	37.3	26.5	23.7
3-4 PM	3950	0.0	2071	0.0	2999	3035	915	2986+	16.54	882	63.9	12.6	37.3	26.1	22.8
4-5 PM	4058	0.0	2127	0.0	OFF	4058	0	2127+	2.49	207	63.2	38.2	38.2	25.9	25.9
5-6 PM	3820	0.0	2003	0.0	OFF	3820	0	2003+	0.00	0	64.8	64.8	64.8	26.5	26.5
6-7 PM	3016	0.0	1581	0.0	OFF	3016	0	1581+	0.00	0	67.0	67.0	67.0	28.2	28.2
7-8 PM	2366	0.0	1240	0.0	OFF	2366	0	1240+	0.00	0	67.8	67.8	67.8	29.6	29.6
8-9 PM	2000	0.0	1048	0.0	OFF	2000	0	1048	0.00	0	68.2	68.2	68.2	30.4	30.4
9-10 PM	1718	0.0	901	0.0	OFF	1718	0	901	0.00	0	68.6	68.6	68.6	31.1	31.1
10-11 PM	1338	0.0	701	0.0	OFF	1338	0	701	0.00	0	69.1	69.1	69.1	31.9	31.9
11PM-MID	980	0.0	514	0.0	OFF	980	0	514	0.00	0	69.5	69.5	69.5	32.7	32.7

"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	0.0345
MAIN ROUTE WITH WORKS	0.0320
DIVERSION	0.3147

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$42,350
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding 15 Minutes

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**OFF-PEAK DAY CLOSURE**  
**DIVERSION ROUTE: BELTLINE - USH 51 - STH 30**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

