

<b>IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: BELTLINE - USH 51 - STH 30</b>	<b>AUGUST</b>
	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	659	0.0	345	0.0	3000	659	0	345	0.36	0	69.9	63.3	49.7	33.3	33.3
1-2 AM	495	0.0	260	0.0	3000	495	0	260	0.36	0	70.1	63.5	49.7	33.7	33.7
2-3 AM	427	0.0	224	0.0	3000	427	0	224	0.36	0	70.2	63.5	49.7	33.8	33.8
3-4 AM	399	0.0	209	0.0	3000	399	0	209	0.36	0	70.2	63.5	49.7	33.9	33.9
4-5 AM	412	0.0	216	0.0	3000	412	0	216	0.36	0	70.2	63.5	49.7	33.9	33.9
5-6 AM	605	0.0	317	0.0	3000	605	0	317	0.36	0	70.0	63.4	49.7	33.5	33.5
6-7 AM	1045	0.0	547	0.0	3000	1045	0	547	0.35	0	69.4	63.0	49.7	32.5	32.5
7-8 AM	1745	0.0	915	0.0	3000	1745	0	915	0.34	0	68.6	62.5	49.7	31.0	31.0
8-9 AM	2528	0.0	1326	0.0	2999	2528	0	1326+	0.43	0	67.6	60.3	46.0	29.2	29.2
9-10 AM	3144	0.0	1648	0.0	2999	3144	0	1648+	1.31	36	66.8	49.0	37.3	27.9	27.9
10-11 AM	3647	0.0	1912	0.0	3000	3647	0	1912+	8.01	448	66.0	20.6	37.3	26.8	26.8
11A-NOON	3761	0.0	1972	0.0	2999	3035	727	2699+	15.53	821	65.1	13.0	37.3	26.6	23.8
NOON-1PM	3567	0.0	1870	0.0	2999	2932	635	2505+	14.93	784	66.3	13.3	37.3	27.0	24.5
1-2 PM	3302	0.0	1732	0.0	3000	2936	366	2098+	13.68	714	66.6	13.9	37.3	27.6	26.1
2-3 PM	3173	0.0	1664	0.0	3000	2973	199	1863+	13.06	680	66.8	14.4	37.3	27.8	27.0
3-4 PM	2967	0.0	1555	0.0	3000	2933	34	1589+	12.28	636	67.1	15.2	37.3	28.3	28.1
4-5 PM	2729	0.0	1430	0.0	2999	2729	0	1430+	9.32	480	67.3	18.6	37.3	28.8	28.8
5-6 PM	2448	0.0	1284	0.0	2999	2448	0	1284+	1.87	113	67.7	44.3	44.7	29.4	29.4
6-7 PM	2031	0.0	1064	0.0	3000	2031	0	1064	0.33	0	68.2	62.3	49.7	30.4	30.4
7-8 PM	1614	0.0	847	0.0	3000	1614	0	847	0.34	0	68.7	62.6	49.7	31.2	31.2
8-9 PM	1436	0.0	753	0.0	3000	1436	0	753	0.34	0	68.9	62.7	49.7	31.6	31.6
9-10 PM	1258	0.0	659	0.0	3000	1258	0	659	0.35	0	69.2	62.9	49.7	32.0	32.0
10-11 PM	946	0.0	496	0.0	3000	946	0	496	0.35	0	69.6	63.2	49.7	32.7	32.7
11PM-MID	756	0.0	397	0.0	3000	756	0	397	0.35	0	69.8	63.3	49.7	33.1	33.1

+ 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	0.0287
MAIN ROUTE WITH WORKS	0.0246
DIVERSION	0.2683

PIA: Personal Injury Accidents

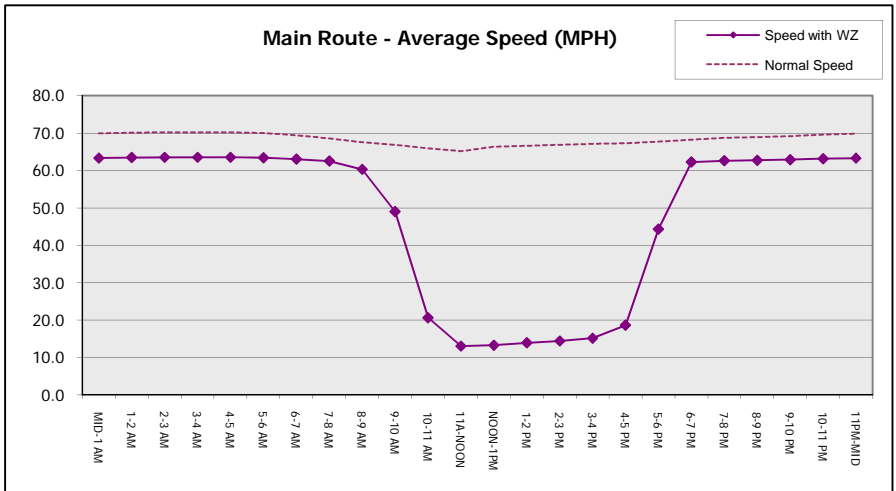
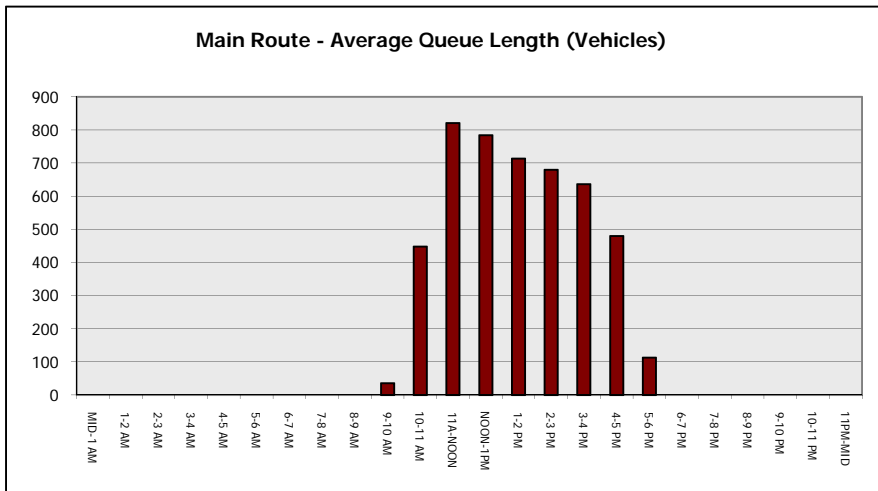
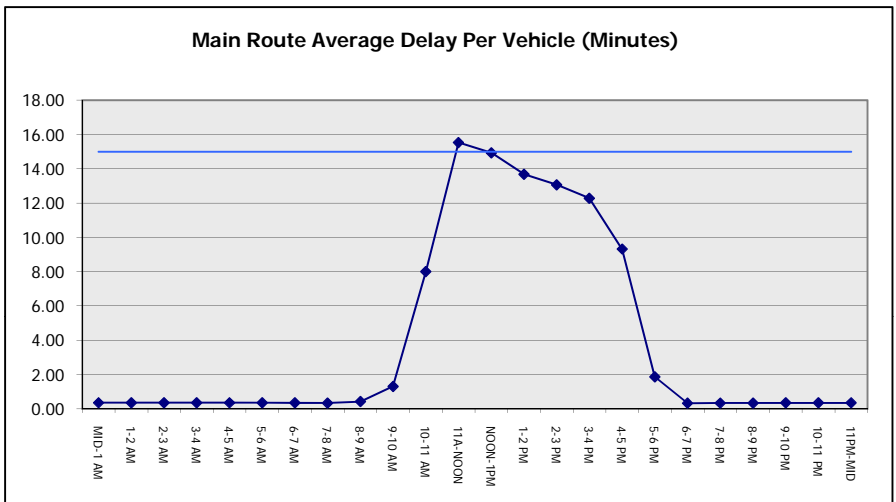
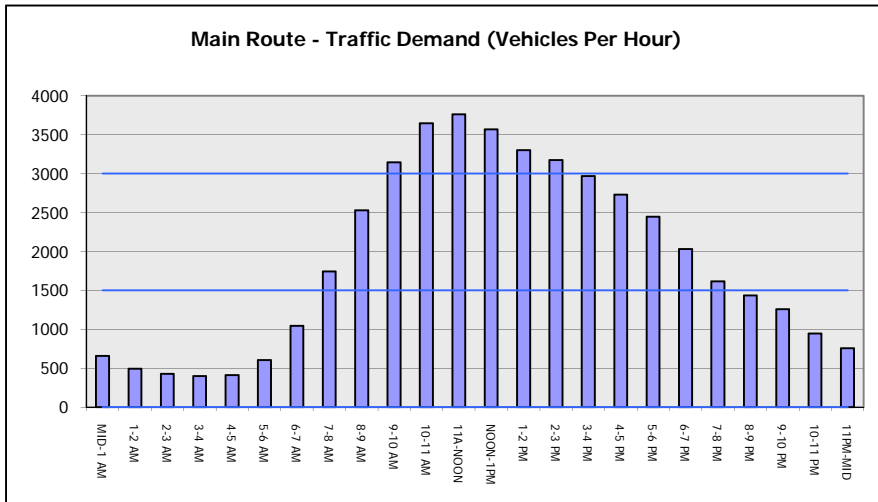
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$89,833
CONGESTED HOURS PER DAY*	1

\*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**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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



<b>IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: BELTLINE - USH 51 - STH 30</b>	<b>AUGUST</b>
	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			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	667	0.0	349	0.0	3000	667	0	349	0.36	0	69.9	63.3	49.7	33.3	33.3
1-2 AM	428	0.0	225	0.0	3000	428	0	225	0.36	0	70.2	63.5	49.7	33.8	33.8
2-3 AM	393	0.0	206	0.0	3000	393	0	206	0.36	0	70.2	63.5	49.7	33.9	33.9
3-4 AM	346	0.0	181	0.0	3000	346	0	181	0.36	0	70.2	63.5	49.7	34.0	34.0
4-5 AM	378	0.0	198	0.0	3000	378	0	198	0.36	0	70.2	63.5	49.7	34.0	34.0
5-6 AM	478	0.0	250	0.0	3000	478	0	250	0.36	0	70.1	63.5	49.7	33.7	33.7
6-7 AM	846	0.0	444	0.0	3000	846	0	444	0.35	0	69.7	63.2	49.7	32.9	32.9
7-8 AM	1283	0.0	673	0.0	3000	1283	0	673	0.35	0	69.1	62.8	49.7	32.0	32.0
8-9 AM	1820	0.0	954	0.0	3000	1820	0	954	0.34	0	68.5	62.5	49.7	30.8	30.8
9-10 AM	2301	0.0	1207	0.0	3000	2301	0	1207+	0.33	0	67.9	62.1	49.7	29.7	29.7
10-11 AM	2848	0.0	1493	0.0	2999	2848	0	1493+	0.63	0	67.2	57.1	39.8	28.6	28.6
11A-NOON	3282	0.0	1720	0.0	2999	3282	0	1720+	2.71	123	66.6	38.1	37.3	27.6	27.6
NOON-1PM	3394	0.0	1779	0.0	3000	3394	0	1779+	9.00	473	66.5	19.0	37.3	27.4	27.4
1-2 PM	3449	0.0	1808	0.0	2999	3066	383	2191+	13.94	729	66.4	13.8	37.3	27.3	25.7
2-3 PM	3429	0.0	1798	0.0	3000	2986	443	2241+	14.09	737	66.4	13.7	37.3	27.3	25.5
3-4 PM	3180	0.0	1667	0.0	3000	2941	239	1906+	13.17	686	66.8	14.3	37.3	27.8	26.8
4-5 PM	3053	0.0	1601	0.0	3000	2972	81	1682+	12.61	655	66.9	14.8	37.3	28.1	27.8
5-6 PM	2708	0.0	1420	0.0	2999	2708	0	1420+	9.93	514	67.4	17.8	37.3	28.9	28.9
6-7 PM	2374	0.0	1245	0.0	2999	2374	0	1245+	1.77	110	67.8	45.2	45.5	29.6	29.6
7-8 PM	2007	0.0	1053	0.0	3000	2007	0	1053	0.33	0	68.2	62.3	49.7	30.4	30.4
8-9 PM	1801	0.0	945	0.0	3000	1801	0	945	0.34	0	68.5	62.5	49.7	30.9	30.9
9-10 PM	1602	0.0	840	0.0	3000	1602	0	840	0.34	0	68.7	62.6	49.7	31.3	31.3
10-11 PM	1210	0.0	634	0.0	3000	1210	0	634	0.35	0	69.2	62.9	49.7	32.1	32.1
11PM-MID	875	0.0	458	0.0	3000	875	0	458	0.35	0	69.7	63.2	49.7	32.9	32.9

+ 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	0.0281
MAIN ROUTE WITH WORKS	0.0245
DIVERSION	0.2546

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$75,296
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

