

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

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	3000	595	0	312	0.36	0	70.0	63.4	49.7	33.5	33.5
1-2 AM	470	0.0	247	0.0	3000	470	0	247	0.36	0	70.2	63.5	49.7	33.7	33.7
2-3 AM	394	0.0	207	0.0	3000	394	0	207	0.36	0	70.2	63.5	49.7	33.9	33.9
3-4 AM	411	0.0	216	0.0	3000	411	0	216	0.36	0	70.2	63.5	49.7	33.9	33.9
4-5 AM	582	0.0	305	0.0	3000	582	0	305	0.36	0	70.0	63.4	49.7	33.5	33.5
5-6 AM	1069	0.0	560	0.0	3000	1069	0	560	0.35	0	69.4	63.0	49.7	32.4	32.4
6-7 AM	2270	0.0	1190	0.0	2999	2270	0	1190	0.39	0	67.9	61.2	47.4	29.8	29.8
7-8 AM	3444	0.0	1806	0.0	2999	3444	0	1806+	3.69	194	66.4	32.9	37.3	27.3	27.3
8-9 AM	3164	0.0	1659	0.0	2999	3164	0	1659+	10.48	540	66.8	17.1	37.3	27.9	27.9
9-10 AM	3005	0.0	1576	0.0	2999	3005	0	1576+	11.78	609	67.0	15.6	37.3	28.2	28.2
10-11 AM	3229	0.0	1693	0.0	3000	3092	137	1831+	12.88	671	66.7	14.5	37.3	27.7	27.1
11A-NOON	3624	0.0	1899	0.0	3000	3105	518	2417+	14.63	769	66.1	13.4	37.3	26.9	24.8
NOON-1PM	3930	0.0	2060	0.0	3000	3081	850	2910+	16.25	865	64.0	12.7	37.3	26.2	23.0
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	2999	3042	1931	4537+	25.71	1424	56.9	10.4	37.3	23.9	17.1
5-6 PM	4285	0.0	2247	0.0	2999	2591	1695	3942+	21.69	1181	61.6	11.2	37.3	25.4	19.2
6-7 PM	3906	0.0	2048	0.0	3000	2830	1076	3123+	17.18	917	64.1	12.4	37.3	26.3	22.3
7-8 PM	3082	0.0	1616	0.0	3000	2772	310	1926+	13.14	687	66.9	14.4	37.3	28.1	26.8
8-9 PM	2561	0.0	1343	0.0	2999	2561	0	1343+	7.70	411	67.6	21.3	38.6	29.2	29.2
9-10 PM	2263	0.0	1187	0.0	3000	2263	0	1187	0.64	21	67.9	57.5	48.9	29.8	29.8
10-11 PM	1736	0.0	909	0.0	3000	1736	0	909	0.34	0	68.6	62.5	49.7	31.0	31.0
11PM-MID	1083	0.0	568	0.0	3000	1083	0	568	0.35	0	69.4	63.0	49.7	32.4	32.4

+ 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	0.0402
MAIN ROUTE WITH WORKS	0.0303
DIVERSION	0.4517

PIA: Personal Injury Accidents

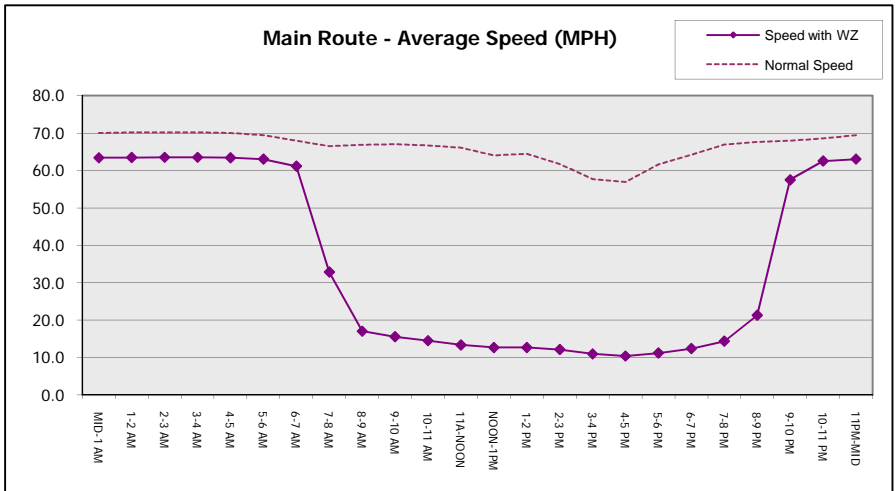
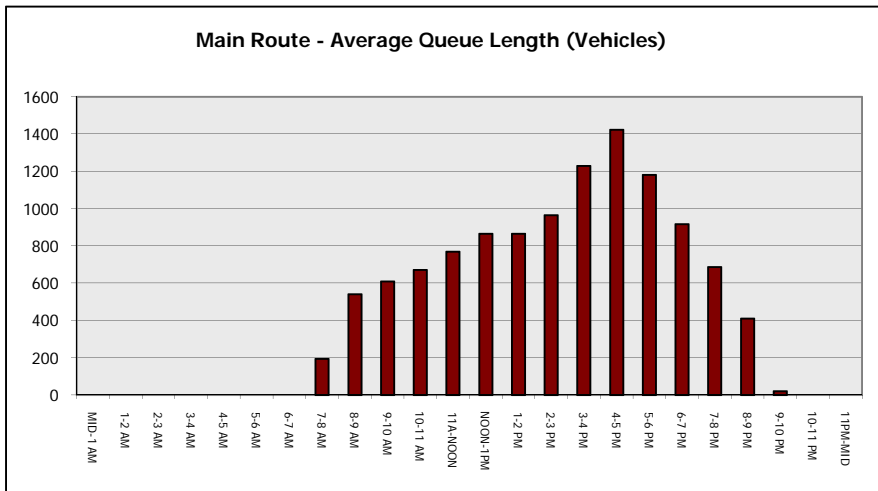
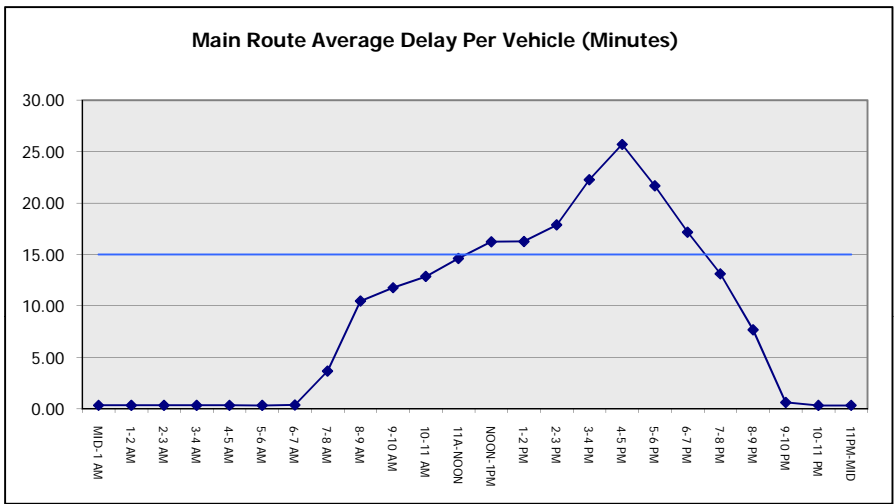
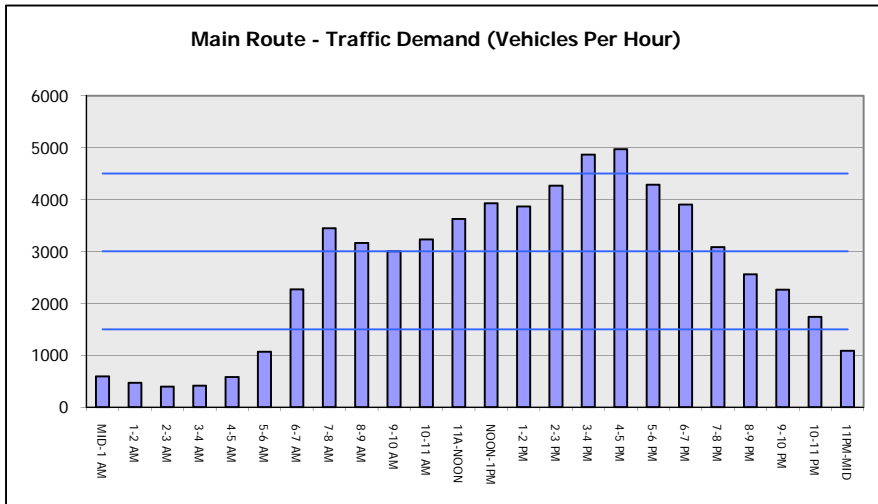
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$219,318
CONGESTED HOURS PER DAY*	7

*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
FRIDAY WESTBOUND DIRECTION



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

SUMMARY OF TRAFFIC MODEL OUTPUT

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		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	525	0.0	275	0.0	3000	525	0	275	0.36	0	70.1	63.5	49.7	33.7	33.7
1-2 AM	443	0.0	232	0.0	3000	443	0	232	0.36	0	70.2	63.5	49.7	33.8	33.8
2-3 AM	396	0.0	207	0.0	3000	396	0	207	0.36	0	70.2	63.5	49.7	33.9	33.9
3-4 AM	394	0.0	206	0.0	3000	394	0	206	0.36	0	70.2	63.5	49.7	33.9	33.9
4-5 AM	515	0.0	270	0.0	3000	515	0	270	0.36	0	70.1	63.5	49.7	33.7	33.7
5-6 AM	1107	0.0	580	0.0	3000	1107	0	580	0.35	0	69.4	63.0	49.7	32.4	32.4
6-7 AM	2586	0.0	1355	0.0	2999	2586	0	1355+	0.48	0	67.5	59.6	44.6	29.1	29.1
7-8 AM	3284	0.0	1721	0.0	2999	3284	0	1721+	2.99	139	66.6	36.4	37.3	27.6	27.6
8-9 AM	2677	0.0	1404	0.0	2999	2677	0	1404+	2.89	148	67.4	37.2	39.8	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	3000	3025	1033	3160+	17.22	922	63.2	12.4	37.3	25.9	22.2
5-6 PM	3820	0.0	2003	0.0	2999	2888	932	2935+	16.41	872	64.8	12.7	37.3	26.5	23.0
6-7 PM	3016	0.0	1581	0.0	3000	2756	260	1841+	12.80	669	67.0	14.7	37.3	28.2	27.1
7-8 PM	2366	0.0	1240	0.0	2999	2366	0	1240+	4.38	285	67.8	30.3	42.5	29.6	29.6
8-9 PM	2000	0.0	1048	0.0	3000	2000	0	1048	0.33	0	68.2	62.3	49.7	30.4	30.4
9-10 PM	1718	0.0	901	0.0	3000	1718	0	901	0.34	0	68.6	62.5	49.7	31.1	31.1
10-11 PM	1338	0.0	701	0.0	3000	1338	0	701	0.35	0	69.1	62.8	49.7	31.9	31.9
11PM-MID	980	0.0	514	0.0	3000	980	0	514	0.35	0	69.5	63.1	49.7	32.7	32.7

+ 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	0.0287
DIVERSION	0.3380

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$100,282
CONGESTED HOURS PER DAY*	4

*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
FRIDAY EASTBOUND DIRECTION

