

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

SUNDAY 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	265	0.0	3000	504	0	265	0.36	0	70.1	63.5	49.7	33.7	33.7
1-2 AM	338	0.0	177	0.0	3000	338	0	177	0.36	0	70.2	63.5	49.7	34.0	34.0
2-3 AM	287	0.0	151	0.0	3000	287	0	151	0.36	0	70.2	63.5	49.7	34.2	34.2
3-4 AM	230	0.0	120	0.0	3000	230	0	120	0.36	0	70.2	63.5	49.7	34.3	34.3
4-5 AM	205	0.0	107	0.0	3000	205	0	107	0.36	0	70.2	63.5	49.7	34.3	34.3
5-6 AM	286	0.0	150	0.0	3000	286	0	150	0.36	0	70.2	63.5	49.7	34.2	34.2
6-7 AM	476	0.0	249	0.0	3000	476	0	249	0.36	0	70.1	63.5	49.7	33.7	33.7
7-8 AM	817	0.0	429	0.0	3000	817	0	429	0.35	0	69.7	63.2	49.7	33.0	33.0
8-9 AM	1361	0.0	714	0.0	3000	1361	0	714	0.34	0	69.1	62.8	49.7	31.8	31.8
9-10 AM	2181	0.0	1144	0.0	2999	2181	0	1144	0.33	0	68.0	62.2	49.7	30.0	30.0
10-11 AM	2884	0.0	1512	0.0	2999	2884	0	1512+	0.69	2	67.1	56.3	39.4	28.5	28.5
11A-NOON	3288	0.0	1723	0.0	3000	3288	0	1723+	3.02	141	66.6	36.3	37.3	27.6	27.6
NOON-1PM	3339	0.0	1751	0.0	2999	3339	0	1751+	8.91	464	66.6	19.2	37.3	27.5	27.5
1-2 PM	3437	0.0	1802	0.0	2999	3100	338	2139+	13.79	721	66.4	13.8	37.3	27.3	25.9
2-3 PM	3367	0.0	1765	0.0	2999	2977	390	2155+	13.83	723	66.6	13.8	37.3	27.4	25.8
3-4 PM	3286	0.0	1723	0.0	3000	2980	306	2029+	13.49	704	66.6	14.0	37.3	27.6	26.3
4-5 PM	3160	0.0	1656	0.0	3000	2966	194	1851+	13.02	678	66.8	14.5	37.3	27.9	27.1
5-6 PM	2834	0.0	1486	0.0	2999	2817	17	1503+	11.39	590	67.2	16.0	37.3	28.6	28.5
6-7 PM	2312	0.0	1213	0.0	2999	2312	0	1213+	2.69	189	67.9	38.6	44.8	29.7	29.7
7-8 PM	1956	0.0	1025	0.0	3000	1956	0	1025	0.34	0	68.3	62.3	49.7	30.5	30.5
8-9 PM	1626	0.0	853	0.0	3000	1626	0	853	0.34	0	68.7	62.6	49.7	31.2	31.2
9-10 PM	1238	0.0	650	0.0	3000	1238	0	650	0.35	0	69.2	62.9	49.7	32.0	32.0
10-11 PM	876	0.0	459	0.0	3000	876	0	459	0.35	0	69.6	63.2	49.7	32.9	32.9
11PM-MID	643	0.0	337	0.0	3000	643	0	337	0.36	0	69.9	63.3	49.7	33.3	33.3

+ 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	0.0261
MAIN ROUTE WITH WORKS	0.0227
DIVERSION	0.2380

PIA: Personal Injury Accidents

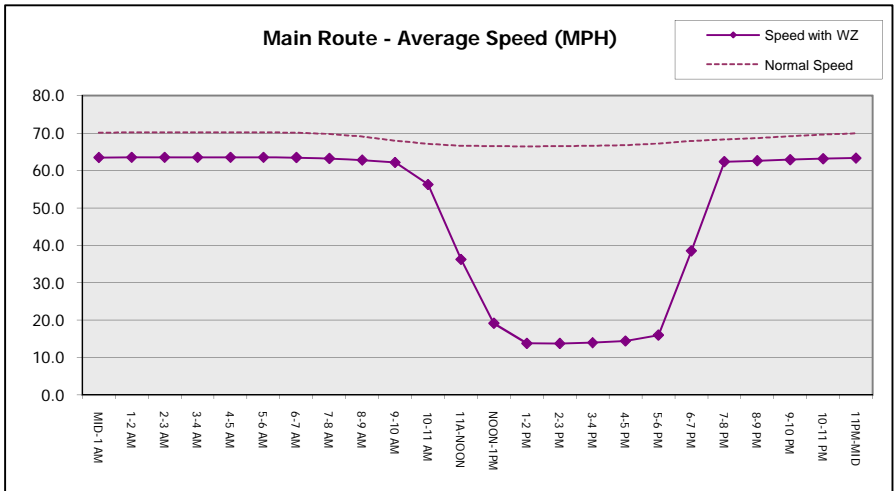
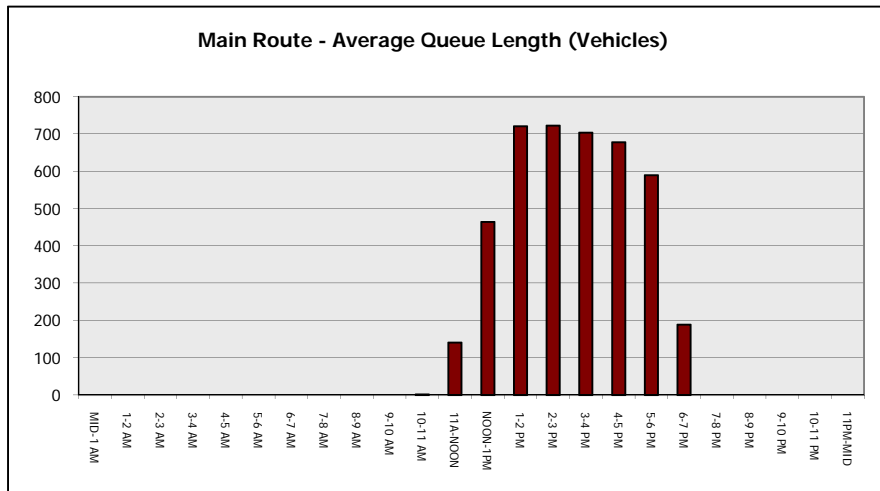
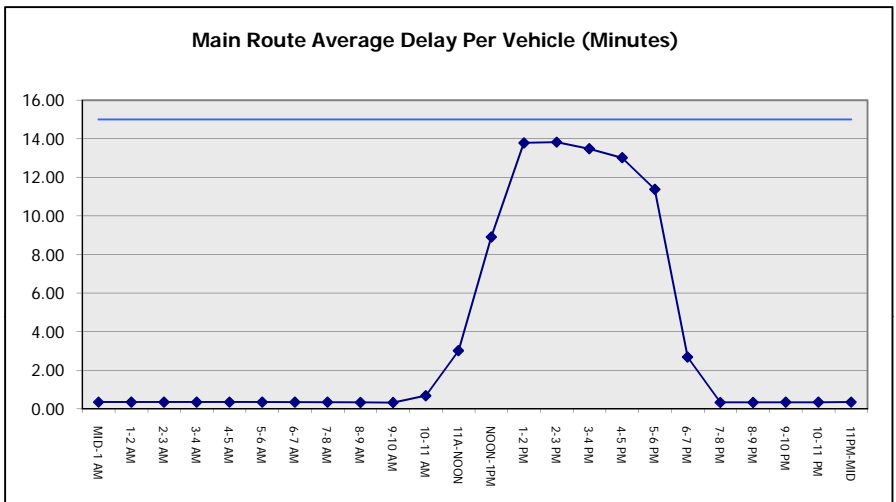
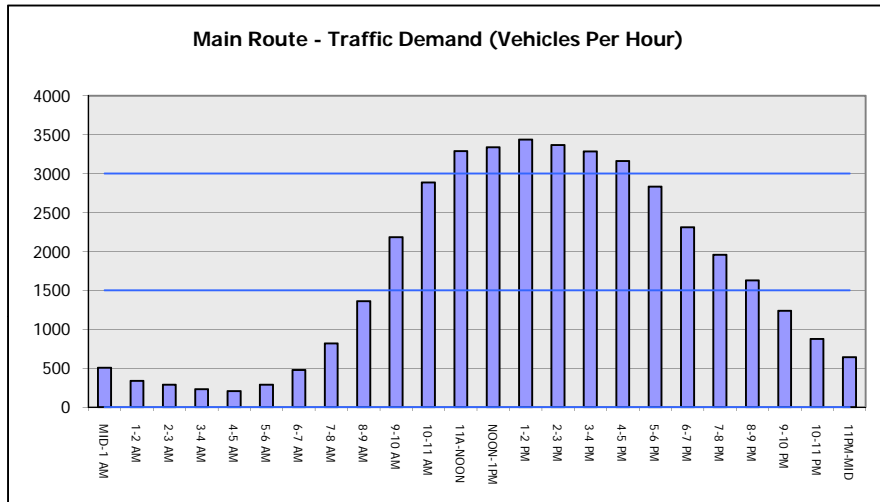
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$81,384
CONGESTED HOURS PER DAY*	0

*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
SUNDAY 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

SUNDAY 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	562	0.0	294	0.0	3000	562	0	294	0.36	0	70.0	63.4	49.7	33.5	33.5
1-2 AM	436	0.0	229	0.0	3000	436	0	229	0.36	0	70.2	63.5	49.7	33.8	33.8
2-3 AM	335	0.0	175	0.0	3000	335	0	175	0.36	0	70.2	63.5	49.7	34.0	34.0
3-4 AM	233	0.0	121	0.0	3000	233	0	121	0.36	0	70.2	63.5	49.7	34.3	34.3
4-5 AM	217	0.0	114	0.0	3000	217	0	114	0.36	0	70.2	63.5	49.7	34.3	34.3
5-6 AM	268	0.0	140	0.0	3000	268	0	140	0.36	0	70.2	63.5	49.7	34.2	34.2
6-7 AM	486	0.0	254	0.0	3000	486	0	254	0.36	0	70.1	63.5	49.7	33.7	33.7
7-8 AM	728	0.0	382	0.0	3000	728	0	382	0.35	0	69.8	63.3	49.7	33.2	33.2
8-9 AM	1218	0.0	638	0.0	3000	1218	0	638	0.35	0	69.2	62.9	49.7	32.1	32.1
9-10 AM	1982	0.0	1039	0.0	2999	1982	0	1039	0.33	0	68.2	62.3	49.7	30.4	30.4
10-11 AM	2933	0.0	1537	0.0	2999	2933	0	1537+	0.92	17	67.1	53.4	39.6	28.4	28.4
11A-NOON	3653	0.0	1916	0.0	3000	3653	0	1916+	6.44	366	65.9	23.8	37.3	26.8	26.8
NOON-1PM	3937	0.0	2065	0.0	2999	3174	764	2828+	15.95	849	64.0	12.9	37.3	26.1	23.3
1-2 PM	4019	0.0	2107	0.0	2999	3014	1005	3112+	17.03	910	63.4	12.4	37.3	26.0	22.4
2-3 PM	3887	0.0	2038	0.0	2999	2961	926	2964+	16.49	877	64.3	12.7	37.3	26.3	22.9
3-4 PM	4146	0.0	2174	0.0	3000	3083	1064	3238+	17.53	941	62.5	12.3	37.3	25.7	21.9
4-5 PM	3744	0.0	1963	0.0	2999	2857	887	2850+	16.11	853	65.3	12.8	37.3	26.6	23.3
5-6 PM	3851	0.0	2019	0.0	3000	3032	819	2837+	16.01	850	64.5	12.9	37.3	26.4	23.3
6-7 PM	3443	0.0	1805	0.0	2999	2869	574	2379+	14.53	763	66.4	13.5	37.3	27.3	25.0
7-8 PM	3054	0.0	1601	0.0	3000	2902	152	1753+	12.72	661	66.9	14.7	37.3	28.1	27.4
8-9 PM	2556	0.0	1340	0.0	2999	2556	0	1340+	8.07	432	67.6	20.7	38.8	29.2	29.2
9-10 PM	1857	0.0	973	0.0	3000	1857	0	973	0.54	15	68.4	59.3	49.7	30.7	30.7
10-11 PM	1166	0.0	611	0.0	3000	1166	0	611	0.35	0	69.3	63.0	49.7	32.2	32.2
11PM-MID	733	0.0	384	0.0	3000	733	0	384	0.35	0	69.8	63.3	49.7	33.2	33.2

+ 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	0.0315
MAIN ROUTE WITH WORKS	0.0247
DIVERSION	0.3365

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$163,209
CONGESTED HOURS PER DAY*	6

*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
SUNDAY EASTBOUND DIRECTION

