

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY) CONTINUOUS (24 HOUR) 2 LANE 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	1500	504	0	265	0.53	0	70.1	60.7	43.5	33.7	33.7
1-2 AM	338	0.0	177	0.0	1500	338	0	177	0.51	0	70.2	61.0	44.2	34.0	34.0
2-3 AM	287	0.0	151	0.0	1500	287	0	151	0.51	0	70.2	61.1	44.3	34.2	34.2
3-4 AM	230	0.0	120	0.0	1500	230	0	120	0.50	0	70.2	61.2	44.6	34.3	34.3
4-5 AM	205	0.0	107	0.0	1500	205	0	107	0.50	0	70.2	61.3	44.6	34.3	34.3
5-6 AM	286	0.0	150	0.0	1500	286	0	150	0.51	0	70.2	61.1	44.3	34.2	34.2
6-7 AM	476	0.0	249	0.0	1500	476	0	249	0.53	0	70.1	60.7	43.6	33.7	33.7
7-8 AM	817	0.0	429	0.0	1500	817	0	429	0.57	0	69.7	59.9	42.4	33.0	33.0
8-9 AM	1361	0.0	714	0.0	1499	1361	0	714	1.02	3	69.1	53.4	34.8	31.8	31.8
9-10 AM	2181	0.0	1144	0.0	1500	1815	367	1510+	8.88	231	68.0	19.3	30.8	30.0	28.5
10-11 AM	2884	0.0	1512	0.0	1500	1589	1296	2808+	15.91	391	67.1	12.3	30.8	28.5	23.1
11A-NOON	3288	0.0	1723	0.0	1500	1556	1732	3455+	18.46	458	66.6	10.9	30.8	27.6	20.4
NOON-1PM	3339	0.0	1751	0.0	1500	1502	1837	3588+	19.08	473	66.6	10.6	30.8	27.5	19.8
1-2 PM	3437	0.0	1802	0.0	1499	1516	1921	3723+	19.73	491	66.4	10.3	30.8	27.3	19.3
2-3 PM	3367	0.0	1765	0.0	1500	1482	1886	3651+	19.38	481	66.6	10.4	30.8	27.4	19.6
3-4 PM	3286	0.0	1723	0.0	1500	1484	1802	3526+	18.79	466	66.6	10.7	30.8	27.6	20.1
4-5 PM	3160	0.0	1656	0.0	1500	1473	1687	3344+	17.98	445	66.8	11.1	30.8	27.9	20.9
5-6 PM	2834	0.0	1486	0.0	1500	1445	1389	2874+	16.15	396	67.2	12.2	30.8	28.6	22.8
6-7 PM	2312	0.0	1213	0.0	1500	1440	872	2085+	13.70	331	67.9	13.9	30.8	29.7	26.1
7-8 PM	1956	0.0	1025	0.0	1499	1468	488	1513+	12.28	293	68.3	15.2	30.8	30.5	28.4
8-9 PM	1626	0.0	853	0.0	1499	1473	153	1006	11.21	265	68.7	16.3	30.8	31.2	30.6
9-10 PM	1238	0.0	650	0.0	1499	1238	0	650	5.85	151	69.2	25.8	33.3	32.0	32.0
10-11 PM	876	0.0	459	0.0	1500	876	0	459	0.57	0	69.6	59.7	42.1	32.9	32.9
11PM-MID	643	0.0	337	0.0	1500	643	0	337	0.55	0	69.9	60.3	43.0	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	0.0146
DIVERSION	0.3866

PIA: Personal Injury Accidents

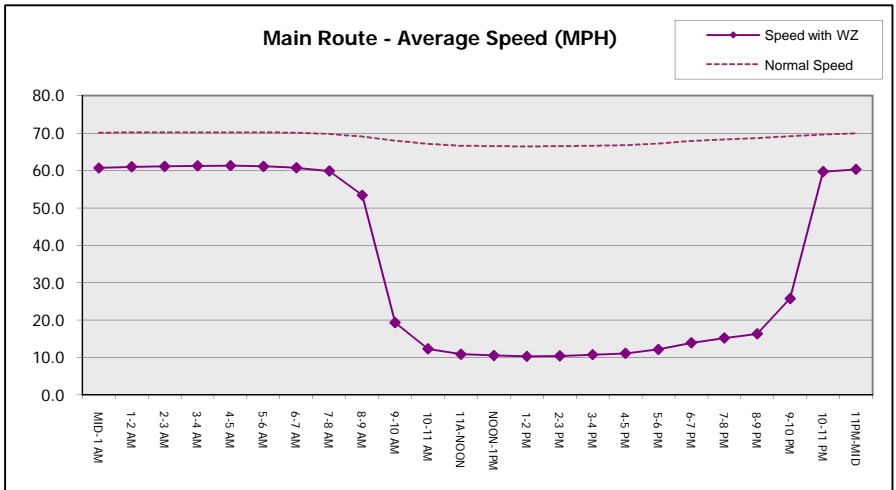
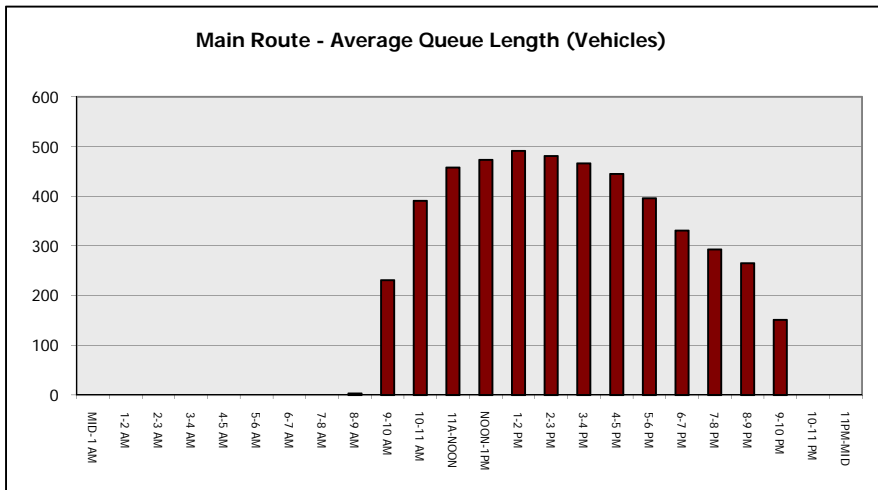
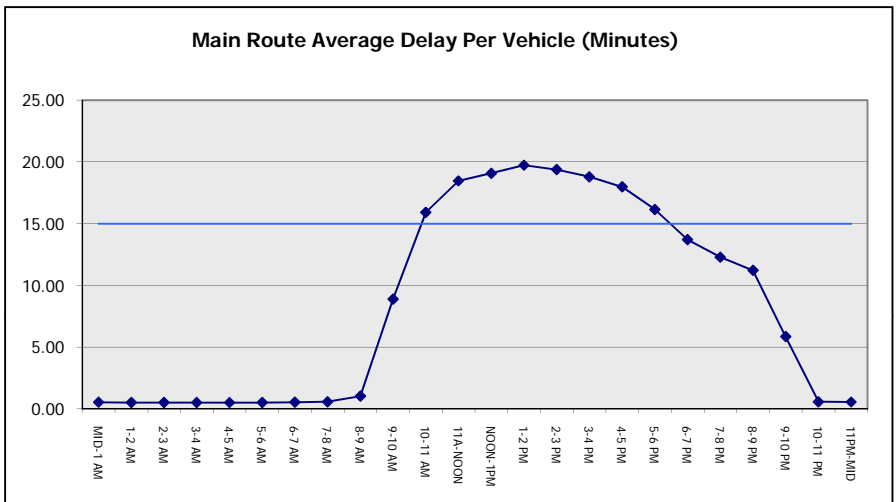
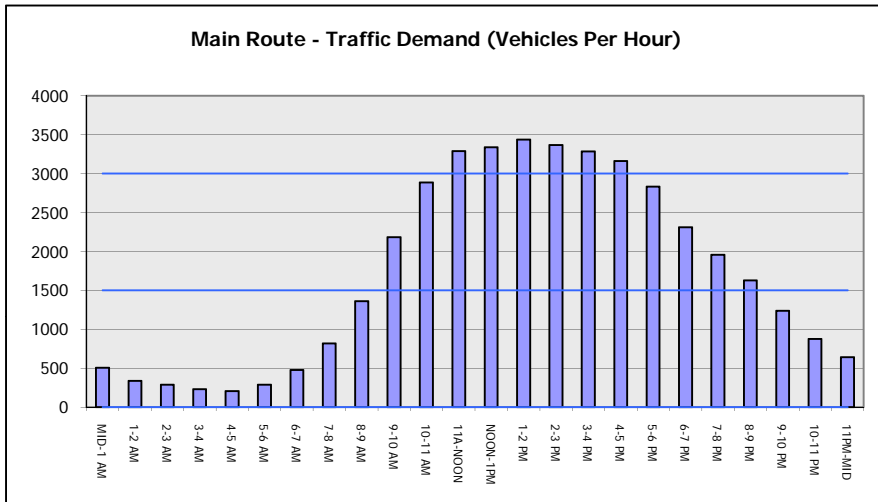
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$204,936
CONGESTED HOURS PER DAY*	8

*Delays Exceeding 15 Minutes

**IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)
 CONTINUOUS (24 HOUR) 2 LANE 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) 2 LANE 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	1500	562	0	294	0.54	0	70.0	60.5	43.3	33.5	33.5
1-2 AM	436	0.0	229	0.0	1500	436	0	229	0.53	0	70.2	60.8	43.8	33.8	33.8
2-3 AM	335	0.0	175	0.0	1500	335	0	175	0.51	0	70.2	61.0	44.2	34.0	34.0
3-4 AM	233	0.0	121	0.0	1500	233	0	121	0.50	0	70.2	61.2	44.5	34.3	34.3
4-5 AM	217	0.0	114	0.0	1500	217	0	114	0.50	0	70.2	61.2	44.6	34.3	34.3
5-6 AM	268	0.0	140	0.0	1500	268	0	140	0.51	0	70.2	61.2	44.4	34.2	34.2
6-7 AM	486	0.0	254	0.0	1500	486	0	254	0.53	0	70.1	60.7	43.5	33.7	33.7
7-8 AM	728	0.0	382	0.0	1500	728	0	382	0.56	0	69.8	60.1	42.7	33.2	33.2
8-9 AM	1218	0.0	638	0.0	1499	1218	0	638	0.76	0	69.2	56.8	37.5	32.1	32.1
9-10 AM	1982	0.0	1039	0.0	1499	1878	104	1143	6.04	165	68.2	25.1	30.8	30.4	30.0
10-11 AM	2933	0.0	1537	0.0	1499	1560	1372	2910+	16.28	401	67.1	12.1	30.8	28.4	22.7
11A-NOON	3653	0.0	1916	0.0	1500	1634	2020	3936+	20.83	522	65.9	9.8	30.8	26.8	18.4
NOON-1PM	3937	0.0	2065	0.0	1500	1557	2381	4445+	23.91	604	64.0	8.7	30.8	26.1	16.3
1-2 PM	4019	0.0	2107	0.0	1500	1509	2510	4618+	25.16	637	63.4	8.3	30.8	26.0	15.5
2-3 PM	3887	0.0	2038	0.0	1500	1468	2419	4458+	24.02	606	64.3	8.6	30.8	26.3	16.2
3-4 PM	4146	0.0	2174	0.0	1499	1560	2587	4761+	25.87	657	62.5	8.1	30.8	25.7	15.2
4-5 PM	3744	0.0	1963	0.0	1500	1388	2356	4319+	23.12	582	65.3	8.9	30.8	26.6	16.8
5-6 PM	3851	0.0	2019	0.0	1499	1527	2324	4343+	23.24	585	64.5	8.9	30.8	26.4	16.7
6-7 PM	3443	0.0	1805	0.0	1500	1394	2049	3854+	20.42	510	66.4	10.0	30.8	27.3	18.7
7-8 PM	3054	0.0	1601	0.0	1500	1434	1621	3222+	17.48	432	66.9	11.4	30.8	28.1	21.4
8-9 PM	2556	0.0	1340	0.0	1500	1432	1124	2464+	14.80	361	67.6	13.1	30.8	29.2	24.5
9-10 PM	1857	0.0	973	0.0	1500	1433	424	1397+	12.02	287	68.4	15.5	30.8	30.7	28.9
10-11 PM	1166	0.0	611	0.0	1499	1158	8	619	4.52	138	69.3	30.1	35.6	32.2	32.2
11PM-MID	733	0.0	384	0.0	1500	733	0	384	0.56	0	69.8	60.1	42.7	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	0.0149
DIVERSION	0.5159

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$322,355
CONGESTED HOURS PER DAY*	10

*Delays Exceeding 15 Minutes

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)
CONTINUOUS (24 HOUR) 2 LANE 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

