

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

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	OFF	504	0	265	0.00	0	70.1	70.1	70.1	33.7	33.7
1-2 AM	338	0.0	177	0.0	OFF	338	0	177	0.00	0	70.2	70.2	70.2	34.0	34.0
2-3 AM	287	0.0	151	0.0	OFF	287	0	151	0.00	0	70.2	70.2	70.2	34.2	34.2
3-4 AM	230	0.0	120	0.0	OFF	230	0	120	0.00	0	70.2	70.2	70.2	34.3	34.3
4-5 AM	205	0.0	107	0.0	OFF	205	0	107	0.00	0	70.2	70.2	70.2	34.3	34.3
5-6 AM	286	0.0	150	0.0	OFF	286	0	150	0.00	0	70.2	70.2	70.2	34.2	34.2
6-7 AM	476	0.0	249	0.0	OFF	476	0	249	0.00	0	70.1	70.1	70.1	33.7	33.7
7-8 AM	817	0.0	429	0.0	OFF	817	0	429	0.00	0	69.7	69.7	69.7	33.0	33.0
8-9 AM	1361	0.0	714	0.0	OFF	1361	0	714	0.00	0	69.1	69.1	69.1	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	OFF	1956	0	1025	0.00	0	68.3	68.3	68.3	30.5	30.5
8-9 PM	1626	0.0	853	0.0	OFF	1626	0	853	0.00	0	68.7	68.7	68.7	31.2	31.2
9-10 PM	1238	0.0	650	0.0	OFF	1238	0	650	0.00	0	69.2	69.2	69.2	32.0	32.0
10-11 PM	876	0.0	459	0.0	OFF	876	0	459	0.00	0	69.6	69.6	69.6	32.9	32.9
11PM-MID	643	0.0	337	0.0	OFF	643	0	337	0.00	0	69.9	69.9	69.9	33.3	33.3

"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	0.0261
MAIN ROUTE WITH WORKS	0.0234
DIVERSION	0.2380

PIA: Personal Injury Accidents

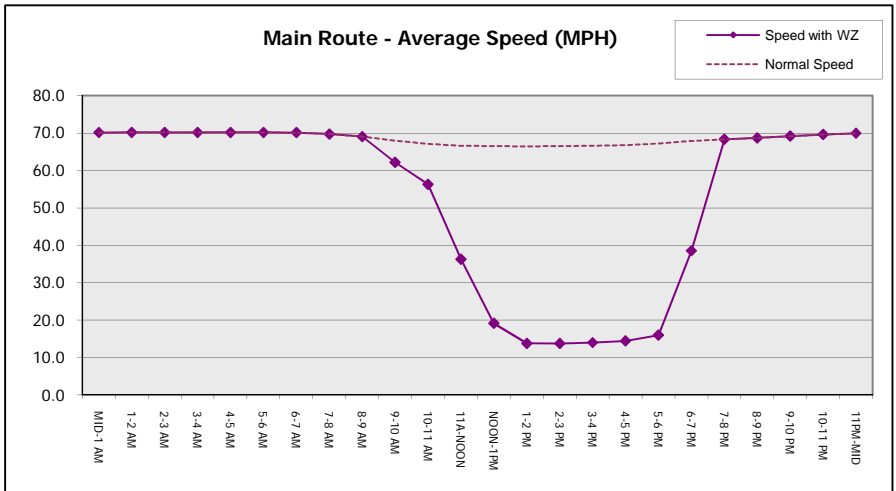
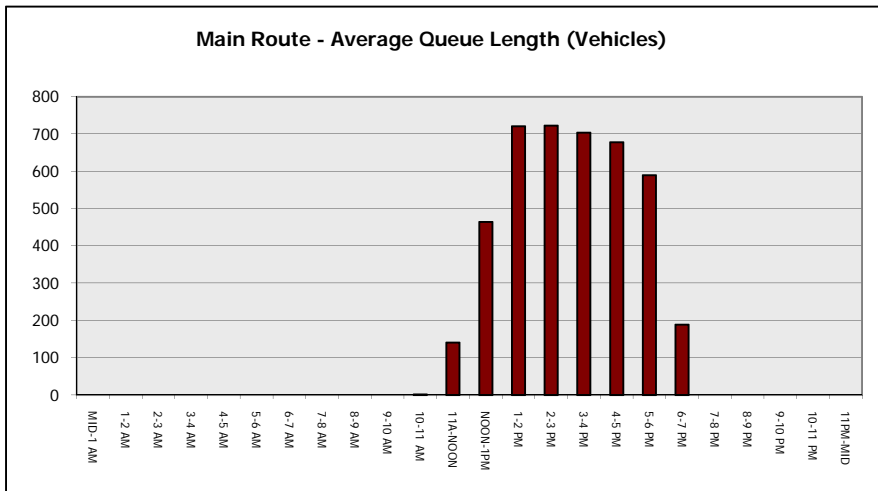
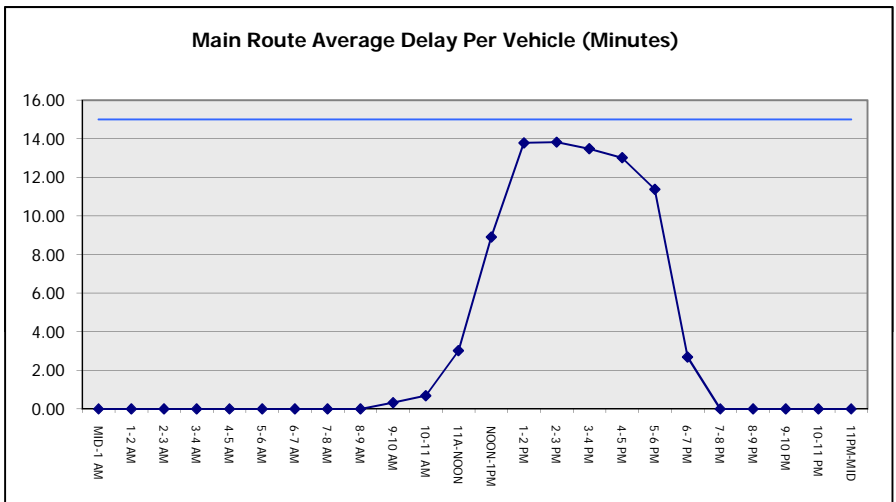
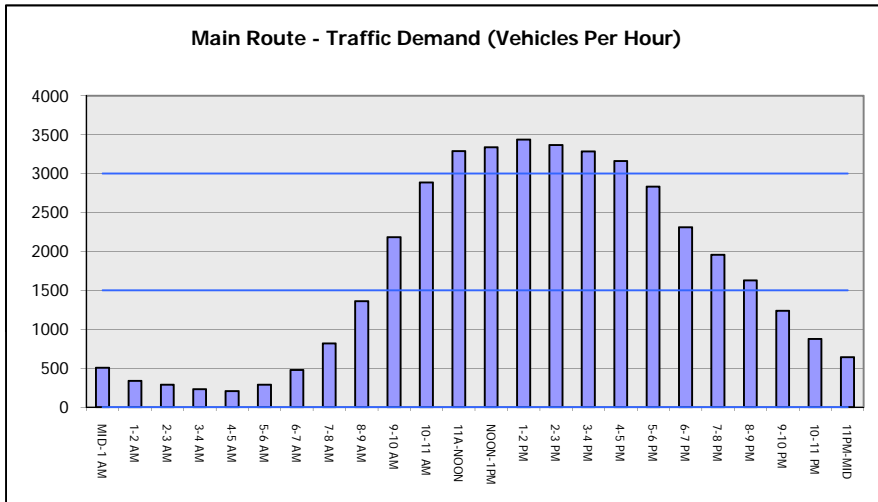
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$79,738
CONGESTED HOURS PER DAY*	0

*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
SUNDAY WESTBOUND DIRECTION



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
---	---

SUMMARY OF TRAFFIC MODEL OUTPUT	
SUNDAY	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		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	OFF	562	0	294	0.00	0	70.0	70.0	70.0	33.5	33.5
1-2 AM	436	0.0	229	0.0	OFF	436	0	229	0.00	0	70.2	70.2	70.2	33.8	33.8
2-3 AM	335	0.0	175	0.0	OFF	335	0	175	0.00	0	70.2	70.2	70.2	34.0	34.0
3-4 AM	233	0.0	121	0.0	OFF	233	0	121	0.00	0	70.2	70.2	70.2	34.3	34.3
4-5 AM	217	0.0	114	0.0	OFF	217	0	114	0.00	0	70.2	70.2	70.2	34.3	34.3
5-6 AM	268	0.0	140	0.0	OFF	268	0	140	0.00	0	70.2	70.2	70.2	34.2	34.2
6-7 AM	486	0.0	254	0.0	OFF	486	0	254	0.00	0	70.1	70.1	70.1	33.7	33.7
7-8 AM	728	0.0	382	0.0	OFF	728	0	382	0.00	0	69.8	69.8	69.8	33.2	33.2
8-9 AM	1218	0.0	638	0.0	OFF	1218	0	638	0.00	0	69.2	69.2	69.2	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	OFF	3054	0	1601+	0.97	86	66.9	52.7	52.7	28.1	28.1
8-9 PM	2556	0.0	1340	0.0	OFF	2556	0	1340+	0.00	0	67.6	67.6	67.6	29.2	29.2
9-10 PM	1857	0.0	973	0.0	OFF	1857	0	973	0.00	0	68.4	68.4	68.4	30.7	30.7
10-11 PM	1166	0.0	611	0.0	OFF	1166	0	611	0.00	0	69.3	69.3	69.3	32.2	32.2
11PM-MID	733	0.0	384	0.0	OFF	733	0	384	0.00	0	69.8	69.8	69.8	33.2	33.2

"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	0.0315
MAIN ROUTE WITH WORKS	0.0257
DIVERSION	0.3350

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$143,917
CONGESTED HOURS PER DAY*	6

*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
SUNDAY EASTBOUND DIRECTION

