

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	OCTOBER
	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	482	0.0	253	0.0	3000	482	0	253	0.36	0	70.1	63.5	49.7	33.7	33.7
1-2 AM	340	0.0	178	0.0	3000	340	0	178	0.36	0	70.2	63.5	49.7	34.0	34.0
2-3 AM	306	0.0	160	0.0	3000	306	0	160	0.36	0	70.2	63.5	49.7	34.1	34.1
3-4 AM	239	0.0	126	0.0	3000	239	0	126	0.36	0	70.2	63.5	49.7	34.3	34.3
4-5 AM	200	0.0	105	0.0	3000	200	0	105	0.36	0	70.2	63.5	49.7	34.3	34.3
5-6 AM	325	0.0	171	0.0	3000	325	0	171	0.36	0	70.2	63.5	49.7	34.1	34.1
6-7 AM	478	0.0	250	0.0	3000	478	0	250	0.36	0	70.1	63.5	49.7	33.7	33.7
7-8 AM	820	0.0	430	0.0	3000	820	0	430	0.35	0	69.7	63.2	49.7	33.0	33.0
8-9 AM	1241	0.0	651	0.0	3000	1241	0	651	0.35	0	69.2	62.9	49.7	32.0	32.0
9-10 AM	1798	0.0	943	0.0	OFF	1798	0	943	0.00	0	68.5	68.5	68.5	30.9	30.9
10-11 AM	2467	0.0	1293	0.0	OFF	2467	0	1293+	0.00	0	67.7	67.7	67.7	29.4	29.4
11A-NOON	3009	0.0	1578	0.0	OFF	3009	0	1578+	0.00	0	67.0	67.0	67.0	28.2	28.2
NOON-1PM	3150	0.0	1651	0.0	OFF	3150	0	1651+	0.00	0	66.8	66.8	66.8	27.9	27.9
1-2 PM	3157	0.0	1655	0.0	OFF	3157	0	1655+	0.00	0	66.8	66.8	66.8	27.9	27.9
2-3 PM	3124	0.0	1638	0.0	OFF	3124	0	1638+	0.00	0	66.9	66.9	66.9	27.9	27.9
3-4 PM	3175	0.0	1665	0.0	OFF	3175	0	1665+	0.00	0	66.8	66.8	66.8	27.8	27.8
4-5 PM	3220	0.0	1688	0.0	OFF	3220	0	1688+	0.00	0	66.8	66.8	66.8	27.8	27.8
5-6 PM	2771	0.0	1454	0.0	OFF	2771	0	1454+	0.00	0	67.3	67.3	67.3	28.7	28.7
6-7 PM	2307	0.0	1210	0.0	OFF	2307	0	1210+	0.00	0	67.9	67.9	67.9	29.7	29.7
7-8 PM	1798	0.0	943	0.0	3000	1798	0	943	0.34	0	68.5	62.5	49.7	30.9	30.9
8-9 PM	1316	0.0	690	0.0	3000	1316	0	690	0.35	0	69.1	62.8	49.7	31.9	31.9
9-10 PM	1001	0.0	524	0.0	3000	1001	0	524	0.35	0	69.5	63.1	49.7	32.6	32.6
10-11 PM	707	0.0	370	0.0	3000	707	0	370	0.36	0	69.9	63.3	49.7	33.2	33.2
11PM-MID	503	0.0	264	0.0	3000	503	0	264	0.36	0	70.1	63.5	49.7	33.7	33.7

"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	0.0242
MAIN ROUTE WITH WORKS	0.0235
DIVERSION	0.2084

PIA: Personal Injury Accidents

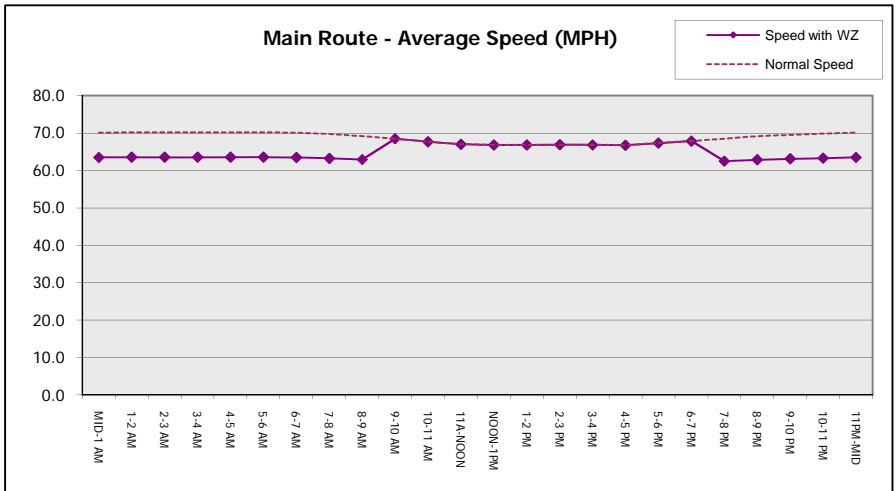
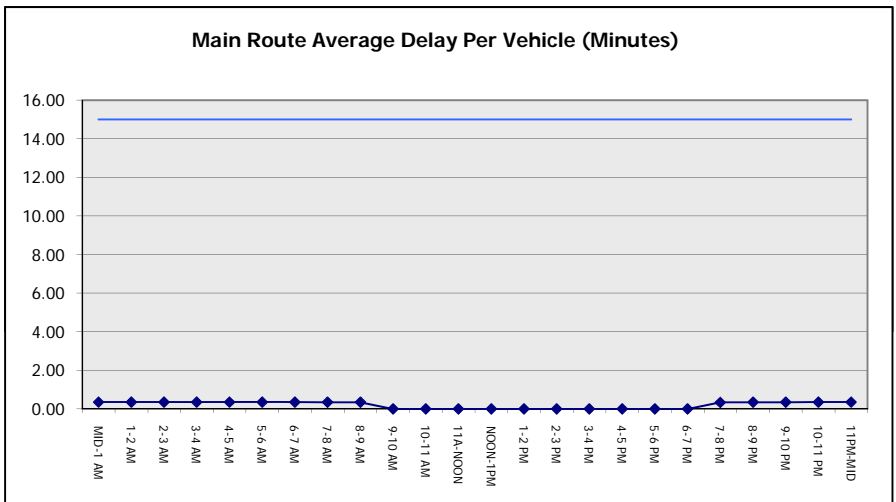
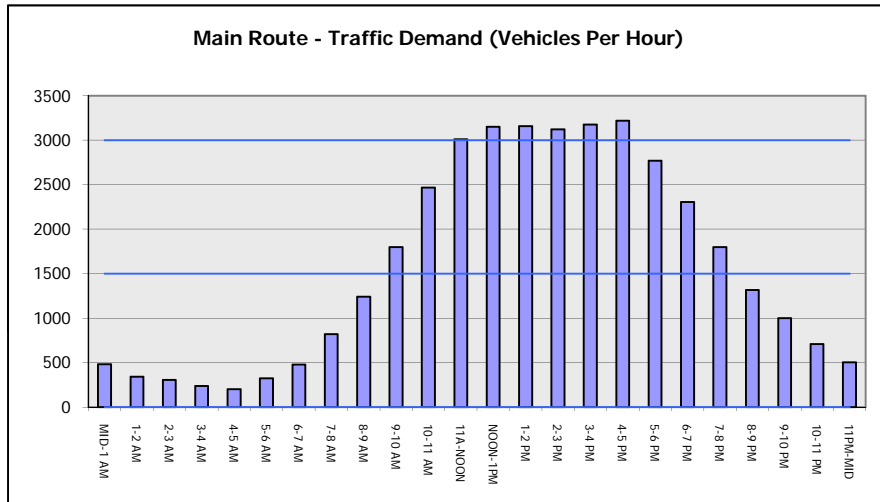
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$778
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)
NIGHTTIME CLOSURE
DIVERSION ROUTE: BELTLINE - USH 51 - STH 30

OCTOBER
 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) NIGHTTIME CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	OCTOBER 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		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	486	0.0	254	0.0	3000	486	0	254	0.36	0	70.1	63.5	49.7	33.7	33.7
1-2 AM	316	0.0	165	0.0	3000	316	0	165	0.36	0	70.2	63.5	49.7	34.1	34.1
2-3 AM	264	0.0	138	0.0	3000	264	0	138	0.36	0	70.2	63.5	49.7	34.2	34.2
3-4 AM	190	0.0	99	0.0	3000	190	0	99	0.36	0	70.2	63.5	49.7	34.3	34.3
4-5 AM	202	0.0	106	0.0	3000	202	0	106	0.36	0	70.2	63.5	49.7	34.3	34.3
5-6 AM	255	0.0	134	0.0	3000	255	0	134	0.36	0	70.2	63.5	49.7	34.2	34.2
6-7 AM	494	0.0	260	0.0	3000	494	0	260	0.36	0	70.1	63.5	49.7	33.7	33.7
7-8 AM	722	0.0	378	0.0	3000	722	0	378	0.35	0	69.9	63.3	49.7	33.2	33.2
8-9 AM	1175	0.0	615	0.0	3000	1175	0	615	0.35	0	69.3	63.0	49.7	32.2	32.2
9-10 AM	1873	0.0	983	0.0	OFF	1873	0	983	0.00	0	68.4	68.4	68.4	30.7	30.7
10-11 AM	2545	0.0	1334	0.0	OFF	2545	0	1334+	0.00	0	67.6	67.6	67.6	29.2	29.2
11A-NOON	3199	0.0	1677	0.0	OFF	3199	0	1677+	0.00	0	66.8	66.8	66.8	27.8	27.8
NOON-1PM	3486	0.0	1828	0.0	OFF	3486	0	1828+	0.00	0	66.4	66.4	66.4	27.1	27.1
1-2 PM	3665	0.0	1921	0.0	OFF	3665	0	1921+	0.00	0	65.8	65.8	65.8	26.8	26.8
2-3 PM	3819	0.0	2002	0.0	OFF	3819	0	2002+	0.00	0	64.8	64.8	64.8	26.5	26.5
3-4 PM	3901	0.0	2046	0.0	OFF	3901	0	2046+	0.00	0	64.2	64.2	64.2	26.3	26.3
4-5 PM	3892	0.0	2041	0.0	OFF	3892	0	2041+	0.00	0	64.3	64.3	64.3	26.3	26.3
5-6 PM	3459	0.0	1813	0.0	OFF	3459	0	1813+	0.00	0	66.4	66.4	66.4	27.2	27.2
6-7 PM	3044	0.0	1596	0.0	OFF	3044	0	1596+	0.00	0	66.9	66.9	66.9	28.1	28.1
7-8 PM	2327	0.0	1220	0.0	3000	2327	0	1220+	0.33	0	67.8	62.0	49.7	29.7	29.7
8-9 PM	1842	0.0	965	0.0	3000	1842	0	965	0.34	0	68.4	62.4	49.7	30.7	30.7
9-10 PM	1215	0.0	637	0.0	3000	1215	0	637	0.35	0	69.2	62.9	49.7	32.1	32.1
10-11 PM	781	0.0	409	0.0	3000	781	0	409	0.35	0	69.7	63.3	49.7	33.1	33.1
11PM-MID	530	0.0	278	0.0	3000	530	0	278	0.36	0	70.0	63.5	49.7	33.6	33.6

"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	0.0278
MAIN ROUTE WITH WORKS	0.0271
DIVERSION	0.2400

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$848
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)
NIGHTTIME CLOSURE
DIVERSION ROUTE: BELTLINE - USH 51 - STH 30

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

