

<b>IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>DIVERSION ROUTE: BELTLINE - USH 51 - STH 30</b>	<b>AUGUST</b>
	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	OFF	2181	0	1144	0.00	0	68.0	68.0	68.0	30.0	30.0
10-11 AM	2884	0.0	1512	0.0	OFF	2884	0	1512+	0.00	0	67.1	67.1	67.1	28.5	28.5
11A-NOON	3288	0.0	1723	0.0	OFF	3288	0	1723+	0.00	0	66.6	66.6	66.6	27.6	27.6
NOON-1PM	3339	0.0	1751	0.0	OFF	3339	0	1751+	0.00	0	66.6	66.6	66.6	27.5	27.5
1-2 PM	3437	0.0	1802	0.0	OFF	3437	0	1802+	0.00	0	66.4	66.4	66.4	27.3	27.3
2-3 PM	3367	0.0	1765	0.0	OFF	3367	0	1765+	0.00	0	66.6	66.6	66.6	27.4	27.4
3-4 PM	3286	0.0	1723	0.0	OFF	3286	0	1723+	0.00	0	66.6	66.6	66.6	27.6	27.6
4-5 PM	3160	0.0	1656	0.0	OFF	3160	0	1656+	0.00	0	66.8	66.8	66.8	27.9	27.9
5-6 PM	2834	0.0	1486	0.0	OFF	2834	0	1486+	0.00	0	67.2	67.2	67.2	28.6	28.6
6-7 PM	2312	0.0	1213	0.0	OFF	2312	0	1213+	0.00	0	67.9	67.9	67.9	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

"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	0.0254
DIVERSION	0.2249

PIA: Personal Injury Accidents

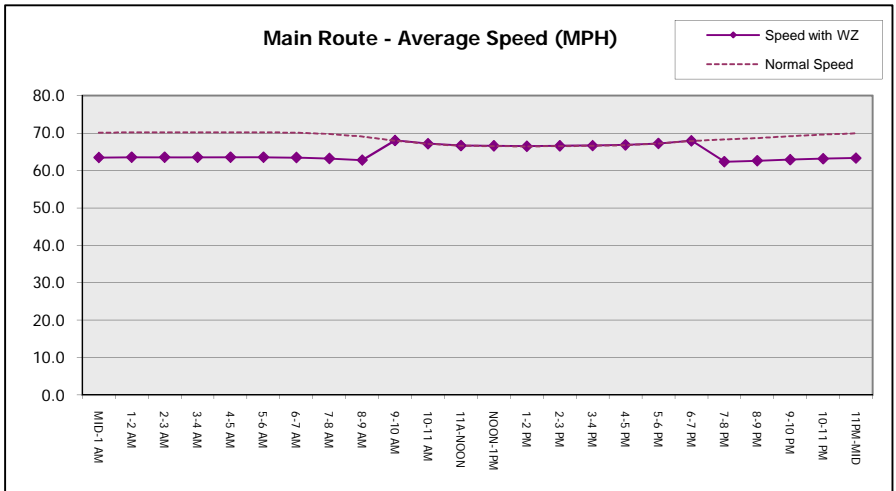
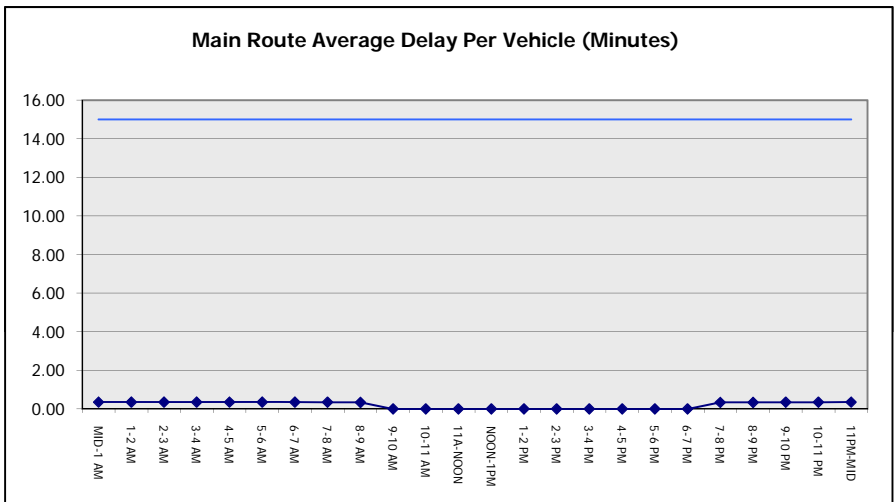
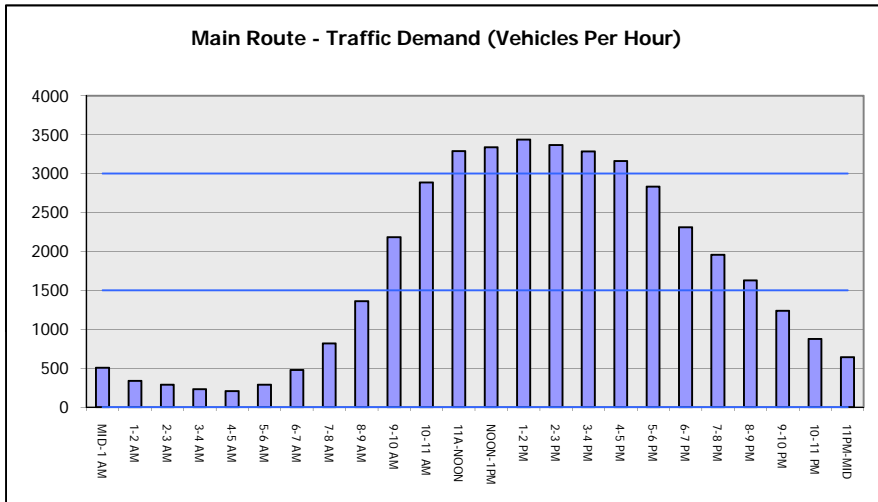
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$906
CONGESTED HOURS PER DAY*	0

\*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**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY WESTBOUND DIRECTION**



<b>IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>DIVERSION ROUTE: BELTLINE - USH 51 - STH 30</b>	<b>AUGUST</b>
	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	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	OFF	1982	0	1039	0.00	0	68.2	68.2	68.2	30.4	30.4
10-11 AM	2933	0.0	1537	0.0	OFF	2933	0	1537+	0.00	0	67.1	67.1	67.1	28.4	28.4
11A-NOON	3653	0.0	1916	0.0	OFF	3653	0	1916+	0.00	0	65.9	65.9	65.9	26.8	26.8
NOON-1PM	3937	0.0	2065	0.0	OFF	3937	0	2065+	0.00	0	64.0	64.0	64.0	26.1	26.1
1-2 PM	4019	0.0	2107	0.0	OFF	4019	0	2107+	0.00	0	63.4	63.4	63.4	26.0	26.0
2-3 PM	3887	0.0	2038	0.0	OFF	3887	0	2038+	0.00	0	64.3	64.3	64.3	26.3	26.3
3-4 PM	4146	0.0	2174	0.0	OFF	4146	0	2174+	0.00	0	62.5	62.5	62.5	25.7	25.7
4-5 PM	3744	0.0	1963	0.0	OFF	3744	0	1963+	0.00	0	65.3	65.3	65.3	26.6	26.6
5-6 PM	3851	0.0	2019	0.0	OFF	3851	0	2019+	0.00	0	64.5	64.5	64.5	26.4	26.4
6-7 PM	3443	0.0	1805	0.0	OFF	3443	0	1805+	0.00	0	66.4	66.4	66.4	27.3	27.3
7-8 PM	3054	0.0	1601	0.0	2999	3054	0	1601+	1.71	54	66.9	45.3	37.3	28.1	28.1
8-9 PM	2556	0.0	1340	0.0	3000	2556	0	1341+	0.52	5	67.6	58.9	45.6	29.2	29.2
9-10 PM	1857	0.0	973	0.0	3000	1857	0	973	0.34	0	68.4	62.4	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

"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	0.0306
DIVERSION	0.2717

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,267
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: BELTLINE - USH 51 - STH 30**

**AUGUST**  
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 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY EASTBOUND DIRECTION**

