

<b>IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: BELTLINE - USH 51 - STH 30</b>	<b>OCTOBER</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	482	0.0	253	0.0	1500	482	0	253	0.53	0	70.1	60.7	43.6	33.7	33.7
1-2 AM	340	0.0	178	0.0	1500	340	0	178	0.51	0	70.2	61.0	44.2	34.0	34.0
2-3 AM	306	0.0	160	0.0	1500	306	0	160	0.51	0	70.2	61.0	44.3	34.1	34.1
3-4 AM	239	0.0	126	0.0	1500	239	0	126	0.50	0	70.2	61.2	44.5	34.3	34.3
4-5 AM	200	0.0	105	0.0	1500	200	0	105	0.50	0	70.2	61.3	44.7	34.3	34.3
5-6 AM	325	0.0	171	0.0	1500	325	0	171	0.51	0	70.2	61.0	44.2	34.1	34.1
6-7 AM	478	0.0	250	0.0	1500	478	0	250	0.53	0	70.1	60.7	43.6	33.7	33.7
7-8 AM	820	0.0	430	0.0	1500	820	0	430	0.57	0	69.7	59.9	42.3	33.0	33.0
8-9 AM	1241	0.0	651	0.0	1499	1241	0	651	0.75	0	69.2	56.8	37.5	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	1499	1785	14	956	7.20	177	68.5	22.4	30.8	30.9	30.8
8-9 PM	1316	0.0	690	0.0	1499	1283	33	722	7.78	187	69.1	21.3	31.9	31.9	31.8
9-10 PM	1001	0.0	524	0.0	1500	1000	0	524	0.74	5	69.5	57.1	41.6	32.6	32.6
10-11 PM	707	0.0	370	0.0	1500	707	0	370	0.56	0	69.9	60.1	42.7	33.2	33.2
11PM-MID	503	0.0	264	0.0	1500	503	0	264	0.53	0	70.1	60.7	43.5	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	0.2089

PIA: Personal Injury Accidents

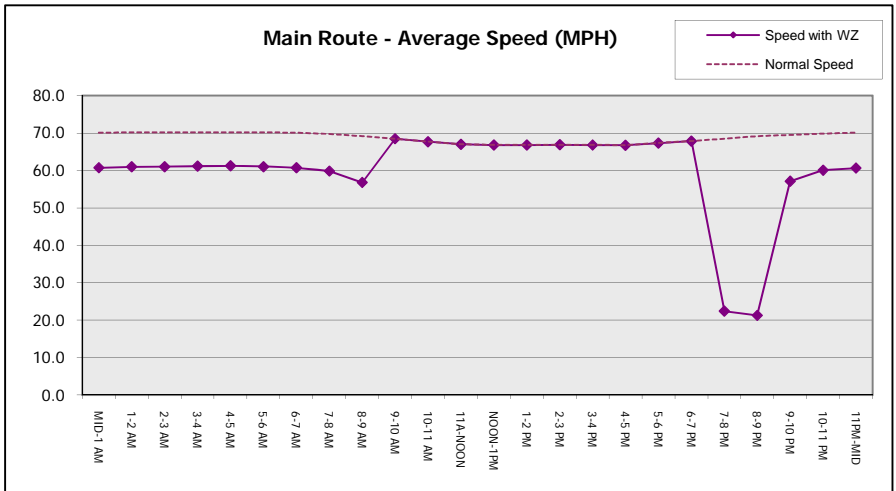
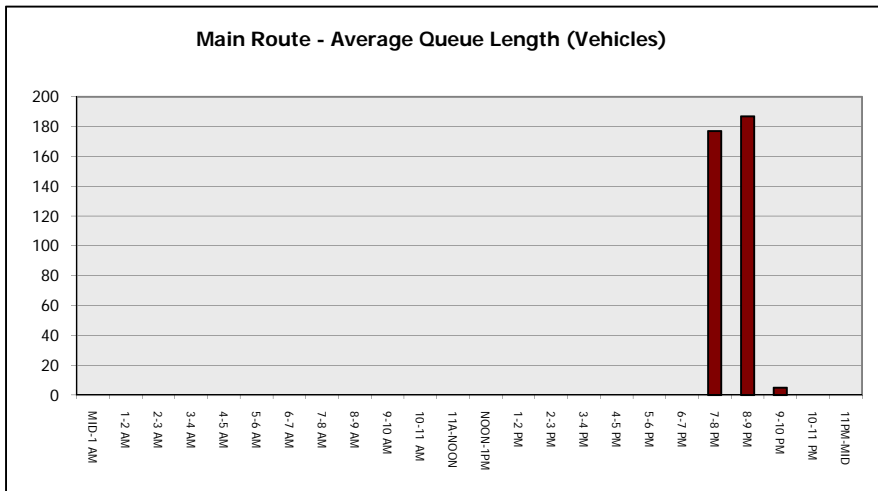
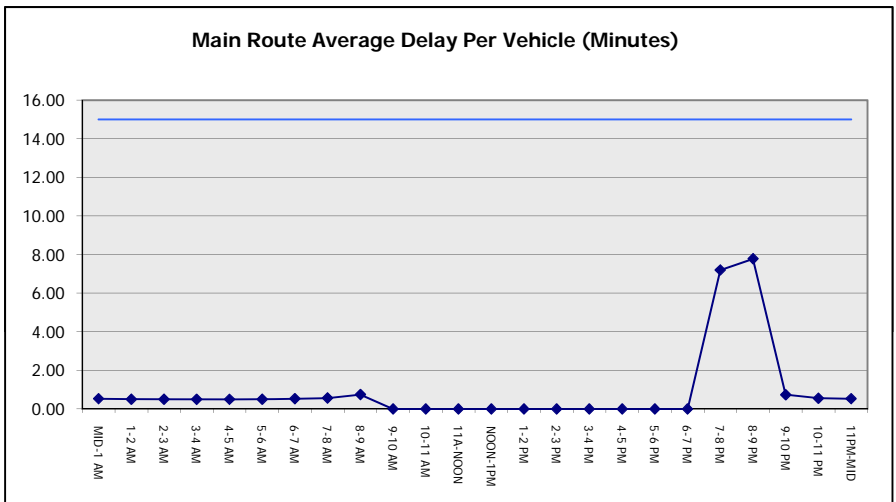
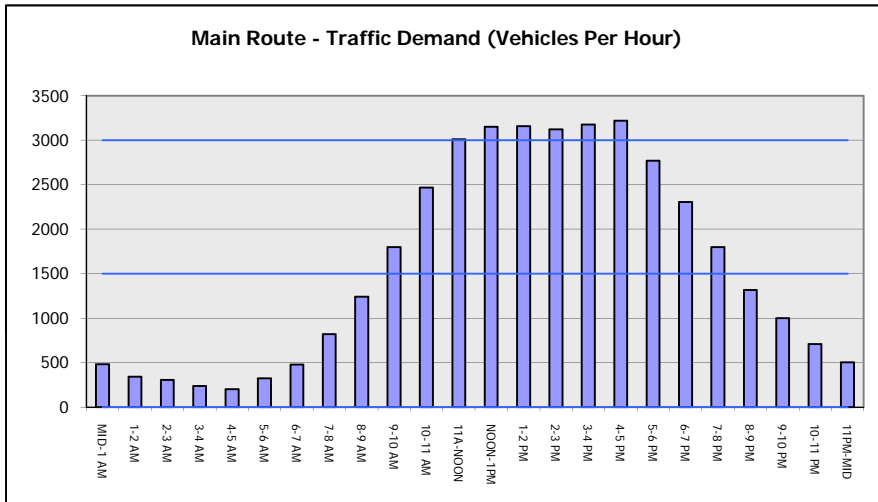
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$7,837
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)**  
**NIGHTTIME 2 LANE 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**



<b>IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: BELTLINE - USH 51 - STH 30</b>	<b>OCTOBER</b> Analyzed for 2009 Construction Season
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<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
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	486	0.0	254	0.0	1500	486	0	254	0.53	0	70.1	60.7	43.5	33.7	33.7
1-2 AM	316	0.0	165	0.0	1500	316	0	165	0.51	0	70.2	61.0	44.2	34.1	34.1
2-3 AM	264	0.0	138	0.0	1500	264	0	138	0.50	0	70.2	61.2	44.4	34.2	34.2
3-4 AM	190	0.0	99	0.0	1500	190	0	99	0.50	0	70.2	61.3	44.7	34.3	34.3
4-5 AM	202	0.0	106	0.0	1500	202	0	106	0.50	0	70.2	61.3	44.6	34.3	34.3
5-6 AM	255	0.0	134	0.0	1500	255	0	134	0.50	0	70.2	61.2	44.5	34.2	34.2
6-7 AM	494	0.0	260	0.0	1500	494	0	260	0.53	0	70.1	60.7	43.5	33.7	33.7
7-8 AM	722	0.0	378	0.0	1500	722	0	378	0.56	0	69.9	60.1	42.7	33.2	33.2
8-9 AM	1175	0.0	615	0.0	1499	1175	0	615	0.72	0	69.3	57.3	38.3	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	1499	1822	506	1726+	11.95	294	67.8	15.5	32.5	29.7	27.6
8-9 PM	1842	0.0	965	0.0	1499	1452	390	1355+	11.93	284	68.4	15.5	30.8	30.7	29.1
9-10 PM	1215	0.0	637	0.0	1499	1203	12	649	5.49	153	69.2	26.8	34.4	32.1	32.0
10-11 PM	781	0.0	409	0.0	1500	781	0	409	0.56	0	69.7	59.9	42.5	33.1	33.1
11PM-MID	530	0.0	278	0.0	1500	530	0	278	0.54	0	70.0	60.6	43.4	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	0.0266
DIVERSION	0.2495

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$17,156
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**NIGHTTIME 2 LANE 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**

