

<b>IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)</b> <b>OFF-PEAK DAY 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: BELTLINE - USH 51 - STH 30</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	501	0.0	265	0.0	OFF	501	0	265	0.00	0	70.1	70.1	70.1	33.7	33.7
1-2 AM	361	0.0	191	0.0	OFF	361	0	191	0.00	0	70.2	70.2	70.2	34.0	34.0
2-3 AM	317	0.0	167	0.0	OFF	317	0	167	0.00	0	70.2	70.2	70.2	34.1	34.1
3-4 AM	340	0.0	179	0.0	OFF	340	0	179	0.00	0	70.2	70.2	70.2	34.0	34.0
4-5 AM	532	0.0	279	0.0	OFF	532	0	279	0.00	0	70.0	70.0	70.0	33.6	33.6
5-6 AM	1080	0.0	566	0.0	OFF	1080	0	566	0.00	0	69.4	69.4	69.4	32.4	32.4
6-7 AM	2345	0.0	1231	0.0	OFF	2345	0	1231+	0.00	0	67.8	67.8	67.8	29.6	29.6
7-8 AM	3503	0.0	1837	0.0	OFF	3503	0	1837+	0.00	0	66.4	66.4	66.4	27.1	27.1
8-9 AM	3000	0.0	1573	0.0	OFF	3000	0	1573+	0.00	0	67.0	67.0	67.0	28.2	28.2
9-10 AM	2486	0.0	1303	0.0	1499	1842	644	1946+	12.79	317	67.6	14.7	32.0	29.4	26.6
10-11 AM	2572	0.0	1347	0.0	1499	1518	1054	2401+	14.60	355	67.6	13.2	30.8	29.2	24.8
11A-NOON	2749	0.0	1442	0.0	1499	1523	1226	2668+	15.44	377	67.3	12.6	30.8	28.8	23.7
NOON-1PM	2791	0.0	1464	0.0	1500	1506	1285	2749+	15.71	384	67.3	12.4	30.8	28.7	23.3
1-2 PM	2985	0.0	1564	0.0	1499	1533	1452	3017+	16.67	410	67.0	11.9	30.8	28.3	22.2
2-3 PM	3250	0.0	1702	0.0	1500	1557	1693	3395+	18.20	451	66.7	11.0	30.8	27.7	20.6
3-4 PM	3912	0.0	2049	0.0	1500	1661	2251	4300+	22.93	580	64.1	9.0	30.8	26.3	16.9
4-5 PM	4140	0.0	2170	0.0	OFF	4140	0	2170+	1.39	110	62.6	46.0	46.0	25.7	25.7
5-6 PM	3803	0.0	1994	0.0	OFF	3803	0	1994+	0.00	0	64.9	64.9	64.9	26.5	26.5
6-7 PM	2582	0.0	1356	0.0	OFF	2582	0	1356+	0.00	0	67.5	67.5	67.5	29.1	29.1
7-8 PM	1903	0.0	998	0.0	OFF	1903	0	998	0.00	0	68.4	68.4	68.4	30.6	30.6
8-9 PM	1635	0.0	856	0.0	OFF	1635	0	856	0.00	0	68.7	68.7	68.7	31.2	31.2
9-10 PM	1319	0.0	692	0.0	OFF	1319	0	692	0.00	0	69.1	69.1	69.1	31.9	31.9
10-11 PM	993	0.0	522	0.0	OFF	993	0	522	0.00	0	69.5	69.5	69.5	32.6	32.6
11PM-MID	702	0.0	367	0.0	OFF	702	0	367	0.00	0	69.9	69.9	69.9	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	0.0317
MAIN ROUTE WITH WORKS	0.0249
DIVERSION	0.3744

PIA: Personal Injury Accidents

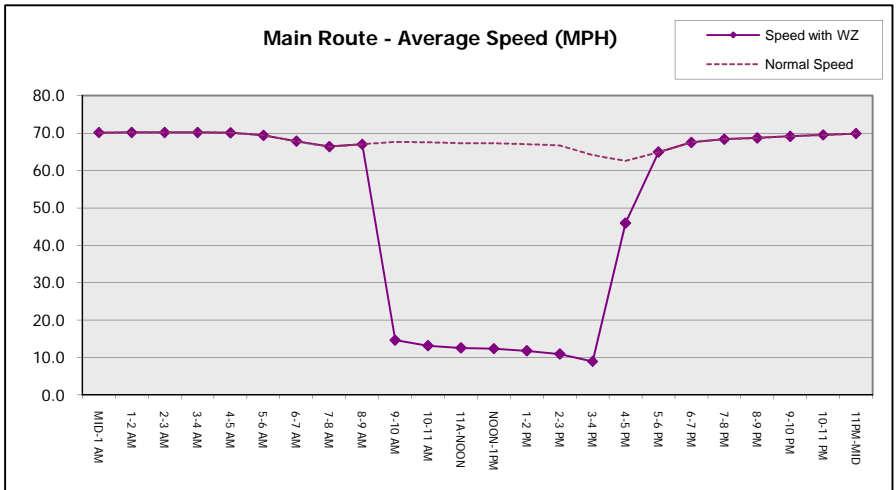
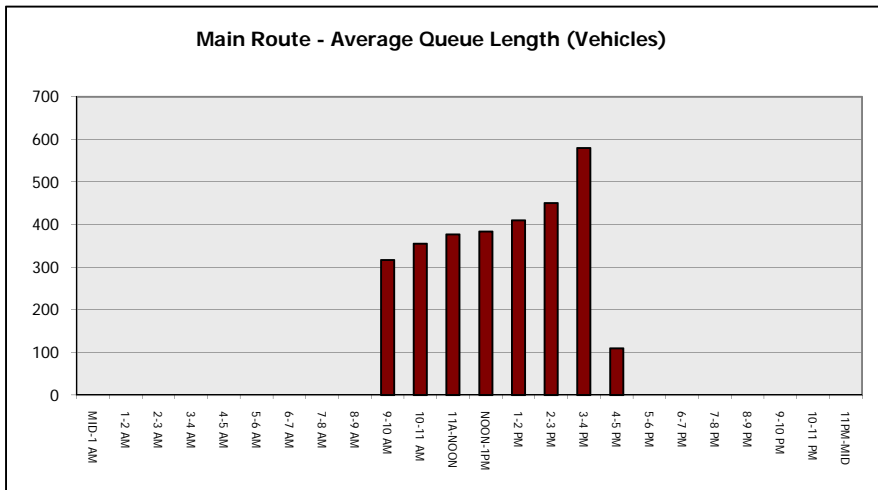
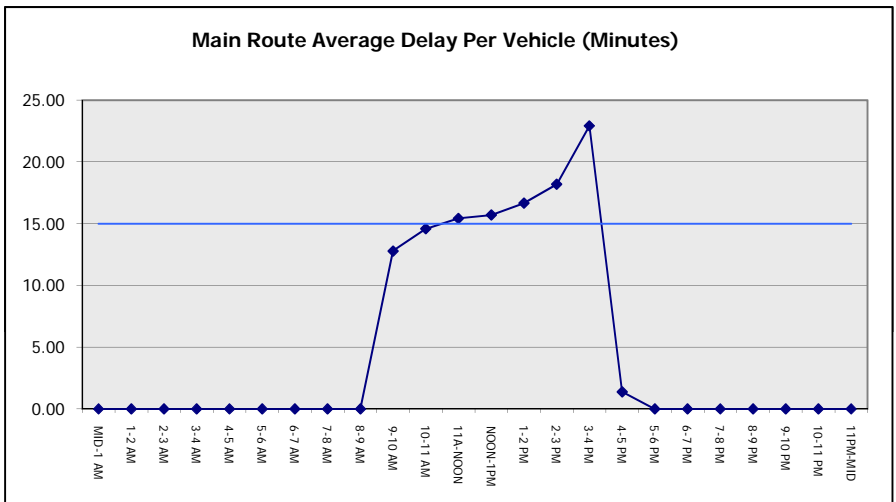
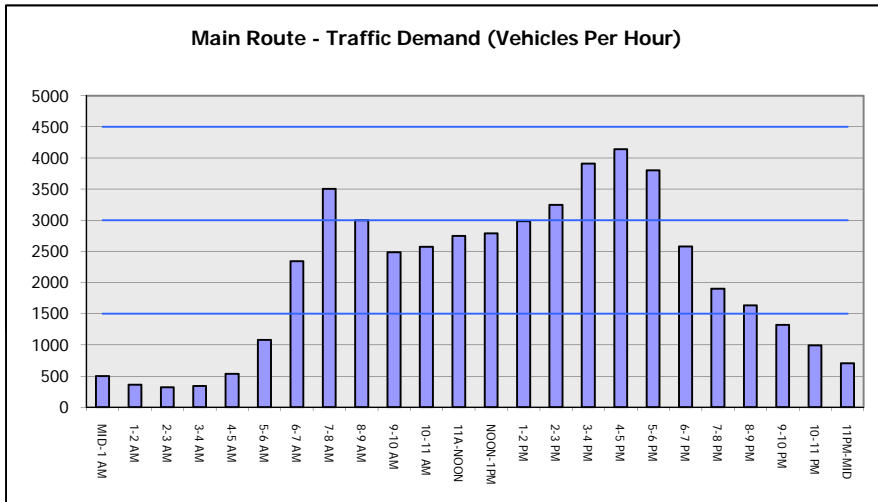
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$98,962
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding 15 Minutes

**IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)**  
**OFF-PEAK DAY 2 LANE CLOSURE**  
**DIVERSION ROUTE: BELTLINE - USH 51 - STH 30**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR WESTBOUND DIRECTION**



<b>IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)</b> <b>OFF-PEAK DAY 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: BELTLINE - USH 51 - STH 30</b>	<b>AUGUST</b> Analyzed for 2009 Construction Season
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<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
MON-THUR	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	478	0.0	251	0.0	OFF	478	0	251	0.00	0	70.1	70.1	70.1	33.7	33.7
1-2 AM	369	0.0	194	0.0	OFF	369	0	194	0.00	0	70.2	70.2	70.2	34.0	34.0
2-3 AM	331	0.0	175	0.0	OFF	331	0	175	0.00	0	70.2	70.2	70.2	34.0	34.0
3-4 AM	375	0.0	198	0.0	OFF	375	0	198	0.00	0	70.2	70.2	70.2	34.0	34.0
4-5 AM	507	0.0	267	0.0	OFF	507	0	267	0.00	0	70.1	70.1	70.1	33.7	33.7
5-6 AM	1220	0.0	639	0.0	OFF	1220	0	639	0.00	0	69.2	69.2	69.2	32.1	32.1
6-7 AM	2774	0.0	1454	0.0	OFF	2774	0	1454+	0.00	0	67.3	67.3	67.3	28.7	28.7
7-8 AM	3498	0.0	1834	0.0	OFF	3498	0	1834+	0.00	0	66.4	66.4	66.4	27.1	27.1
8-9 AM	2750	0.0	1443	0.0	OFF	2750	0	1443+	0.00	0	67.3	67.3	67.3	28.8	28.8
9-10 AM	2482	0.0	1302	0.0	1499	1846	636	1938+	12.59	312	67.6	14.8	31.7	29.4	26.7
10-11 AM	2545	0.0	1334	0.0	1499	1511	1033	2368+	14.50	352	67.6	13.3	30.8	29.2	24.9
11A-NOON	2757	0.0	1445	0.0	1499	1527	1229	2674+	15.46	378	67.3	12.6	30.8	28.8	23.7
NOON-1PM	2796	0.0	1467	0.0	1500	1505	1291	2758+	15.75	385	67.3	12.4	30.8	28.7	23.3
1-2 PM	2950	0.0	1547	0.0	1499	1527	1424	2970+	16.50	405	67.1	11.9	30.8	28.3	22.4
2-3 PM	3200	0.0	1678	0.0	1499	1545	1655	3333+	17.94	443	66.8	11.1	30.8	27.8	20.9
3-4 PM	3497	0.0	1834	0.0	1500	1567	1929	3764+	19.94	497	66.4	10.2	30.8	27.1	19.1
4-5 PM	4012	0.0	2103	0.0	OFF	4012	0	2103+	0.93	70	63.5	50.9	50.9	26.0	26.0
5-6 PM	3679	0.0	1929	0.0	OFF	3679	0	1929+	0.00	0	65.7	65.7	65.7	26.8	26.8
6-7 PM	2604	0.0	1367	0.0	OFF	2604	0	1367+	0.00	0	67.5	67.5	67.5	29.1	29.1
7-8 PM	1983	0.0	1040	0.0	OFF	1983	0	1040	0.00	0	68.2	68.2	68.2	30.4	30.4
8-9 PM	1650	0.0	865	0.0	OFF	1650	0	865	0.00	0	68.7	68.7	68.7	31.2	31.2
9-10 PM	1388	0.0	727	0.0	OFF	1388	0	727	0.00	0	69.0	69.0	69.0	31.7	31.7
10-11 PM	1031	0.0	540	0.0	OFF	1031	0	540	0.00	0	69.4	69.4	69.4	32.5	32.5
11PM-MID	738	0.0	387	0.0	OFF	738	0	387	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	0.0316
MAIN ROUTE WITH WORKS	0.0250
DIVERSION	0.3691

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$91,911
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding 15 Minutes

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**OFF-PEAK DAY 2 LANE CLOSURE**  
**DIVERSION ROUTE: BELTLINE - USH 51 - STH 30**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR EASTBOUND DIRECTION**

