

<b>IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)</b> <b>CONTINUOUS (24 HOUR) 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	3000	501	0	265	0.36	0	70.1	63.5	49.7	33.7	33.7
1-2 AM	361	0.0	191	0.0	3000	361	0	191	0.36	0	70.2	63.5	49.7	34.0	34.0
2-3 AM	317	0.0	167	0.0	3000	317	0	167	0.36	0	70.2	63.5	49.7	34.1	34.1
3-4 AM	340	0.0	179	0.0	3000	340	0	179	0.36	0	70.2	63.5	49.7	34.0	34.0
4-5 AM	532	0.0	279	0.0	3000	532	0	279	0.36	0	70.0	63.5	49.7	33.6	33.6
5-6 AM	1080	0.0	566	0.0	3000	1080	0	566	0.35	0	69.4	63.0	49.7	32.4	32.4
6-7 AM	2345	0.0	1231	0.0	2999	2345	0	1231+	0.41	0	67.8	60.7	46.6	29.6	29.6
7-8 AM	3503	0.0	1837	0.0	2999	3503	0	1837+	4.26	231	66.4	30.5	37.3	27.1	27.1
8-9 AM	3000	0.0	1573	0.0	2999	3000	0	1573+	10.43	534	67.0	17.1	37.3	28.2	28.2
9-10 AM	2486	0.0	1303	0.0	2999	2486	0	1303+	4.49	259	67.6	29.9	40.5	29.4	29.4
10-11 AM	2572	0.0	1347	0.0	3000	2572	0	1347+	0.45	0	67.6	59.9	45.1	29.2	29.2
11A-NOON	2749	0.0	1442	0.0	3000	2749	0	1442+	0.56	0	67.3	58.1	41.5	28.8	28.8
NOON-1PM	2791	0.0	1464	0.0	2999	2791	0	1464+	0.59	0	67.3	57.7	40.7	28.7	28.7
1-2 PM	2985	0.0	1564	0.0	2999	2985	0	1564+	0.80	5	67.0	54.8	37.8	28.3	28.3
2-3 PM	3250	0.0	1702	0.0	3000	3250	0	1702+	2.63	117	66.7	38.5	37.3	27.7	27.7
3-4 PM	3912	0.0	2049	0.0	3000	3627	285	2334+	11.57	645	64.1	16.0	37.3	26.3	25.2
4-5 PM	4140	0.0	2170	0.0	2999	3057	1083	3253+	17.60	945	62.6	12.2	37.3	25.7	21.9
5-6 PM	3803	0.0	1994	0.0	2999	2834	969	2963+	16.54	879	64.9	12.7	37.3	26.5	22.9
6-7 PM	2582	0.0	1356	0.0	2999	2448	134	1490+	9.66	522	67.5	18.1	38.6	29.1	28.6
7-8 PM	1903	0.0	998	0.0	3000	1903	0	998	0.68	28	68.4	57.2	49.7	30.6	30.6
8-9 PM	1635	0.0	856	0.0	3000	1635	0	856	0.34	0	68.7	62.6	49.7	31.2	31.2
9-10 PM	1319	0.0	692	0.0	3000	1319	0	692	0.35	0	69.1	62.8	49.7	31.9	31.9
10-11 PM	993	0.0	522	0.0	3000	993	0	522	0.35	0	69.5	63.1	49.7	32.6	32.6
11PM-MID	702	0.0	367	0.0	3000	702	0	367	0.36	0	69.9	63.3	49.7	33.2	33.2

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0270
DIVERSION	0.2996

PIA: Personal Injury Accidents

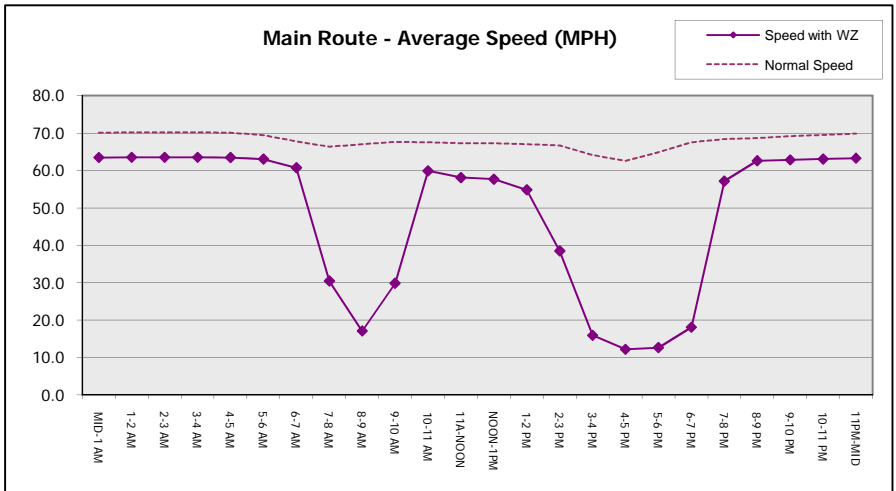
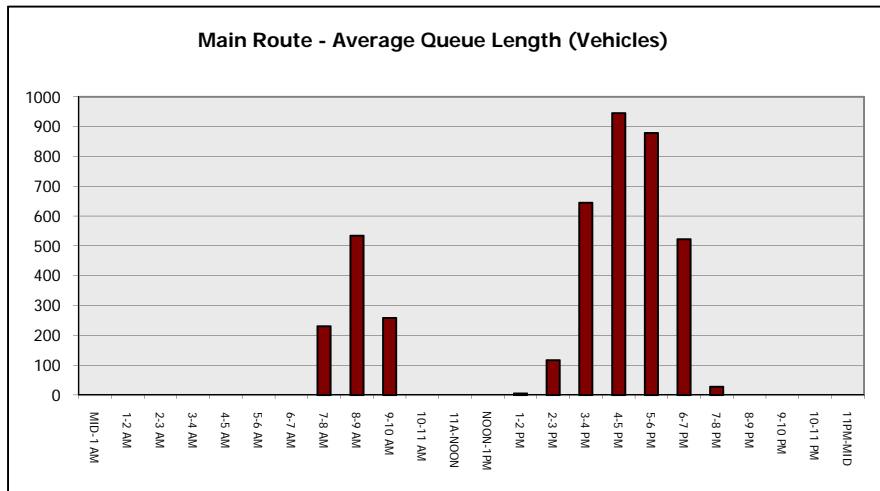
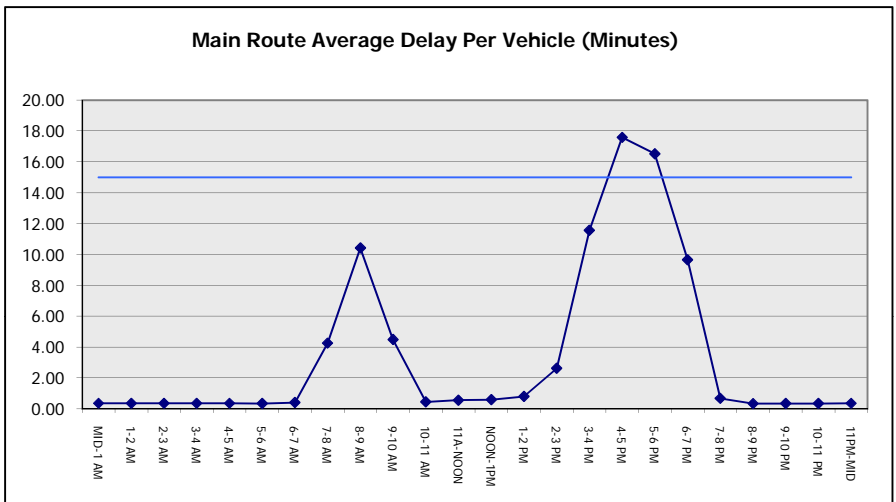
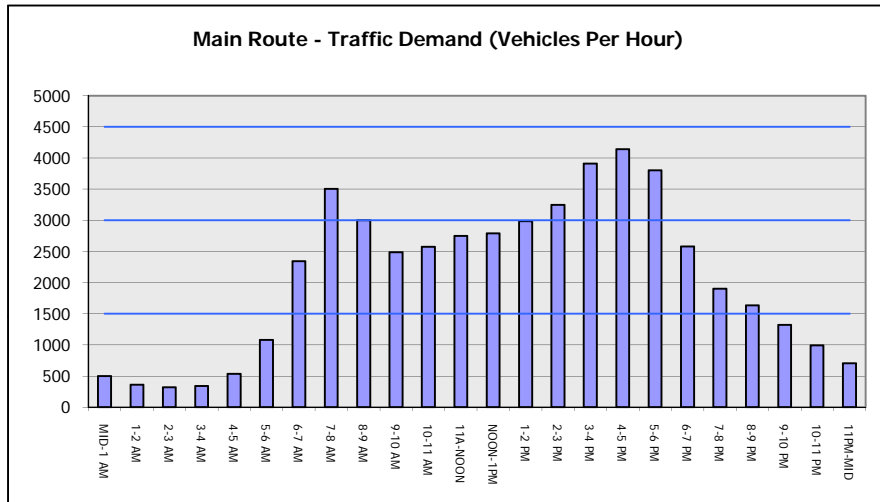
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$67,969
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding 15 Minutes

**IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)**  
**CONTINUOUS (24 HOUR) 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>CONTINUOUS (24 HOUR) 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 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	3000	478	0	251	0.36	0	70.1	63.5	49.7	33.7	33.7
1-2 AM	369	0.0	194	0.0	3000	369	0	194	0.36	0	70.2	63.5	49.7	34.0	34.0
2-3 AM	331	0.0	175	0.0	3000	331	0	175	0.36	0	70.2	63.5	49.7	34.0	34.0
3-4 AM	375	0.0	198	0.0	3000	375	0	198	0.36	0	70.2	63.5	49.7	34.0	34.0
4-5 AM	507	0.0	267	0.0	3000	507	0	267	0.36	0	70.1	63.5	49.7	33.7	33.7
5-6 AM	1220	0.0	639	0.0	3000	1220	0	639	0.35	0	69.2	62.9	49.7	32.1	32.1
6-7 AM	2774	0.0	1454	0.0	2999	2774	0	1454+	0.67	7	67.3	56.6	42.2	28.7	28.7
7-8 AM	3498	0.0	1834	0.0	3000	3498	0	1834+	5.19	279	66.4	27.3	37.3	27.1	27.1
8-9 AM	2750	0.0	1443	0.0	2999	2750	0	1443+	8.48	433	67.3	19.9	37.3	28.8	28.8
9-10 AM	2482	0.0	1302	0.0	2999	2482	0	1302+	1.46	77	67.6	47.9	44.6	29.4	29.4
10-11 AM	2545	0.0	1334	0.0	3000	2545	0	1334+	0.43	0	67.6	60.2	45.8	29.2	29.2
11A-NOON	2757	0.0	1445	0.0	3000	2757	0	1445+	0.57	0	67.3	58.1	41.4	28.8	28.8
NOON-1PM	2796	0.0	1467	0.0	2999	2796	0	1467+	0.60	0	67.3	57.6	40.6	28.7	28.7
1-2 PM	2950	0.0	1547	0.0	2999	2950	0	1547+	0.70	0	67.1	56.1	38.1	28.3	28.3
2-3 PM	3200	0.0	1678	0.0	3000	3200	0	1678+	2.09	83	66.8	42.2	37.3	27.8	27.8
3-4 PM	3497	0.0	1834	0.0	3000	3497	0	1834+	7.90	423	66.4	20.9	37.3	27.1	27.1
4-5 PM	4012	0.0	2103	0.0	2999	3219	792	2896+	16.18	865	63.5	12.7	37.3	26.0	23.1
5-6 PM	3679	0.0	1929	0.0	2999	2841	838	2766+	15.83	837	65.7	12.9	37.3	26.8	23.6
6-7 PM	2604	0.0	1367	0.0	2999	2501	103	1470+	9.77	523	67.5	18.0	38.2	29.1	28.6
7-8 PM	1983	0.0	1040	0.0	3000	1983	0	1040	0.79	37	68.2	55.8	49.7	30.4	30.4
8-9 PM	1650	0.0	865	0.0	3000	1650	0	865	0.34	0	68.7	62.6	49.7	31.2	31.2
9-10 PM	1388	0.0	727	0.0	3000	1388	0	727	0.34	0	69.0	62.8	49.7	31.7	31.7
10-11 PM	1031	0.0	540	0.0	3000	1031	0	540	0.35	0	69.4	63.0	49.7	32.5	32.5
11PM-MID	738	0.0	387	0.0	3000	738	0	387	0.35	0	69.8	63.3	49.7	33.2	33.2

+ 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	0.0273
DIVERSION	0.2909

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$57,675
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding 15 Minutes

**IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)**  
**CONTINUOUS (24 HOUR) 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**

