

<b>IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)</b> <b>CONTINUOUS (24 HOUR) 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	1499	1798	0	943	4.35	110	68.5	30.6	30.8	30.9	30.9
10-11 AM	2467	0.0	1293	0.0	1499	1563	905	2198+	14.01	340	67.7	13.7	30.8	29.4	25.6
11A-NOON	3009	0.0	1578	0.0	1500	1570	1439	3017+	16.67	410	67.0	11.9	30.8	28.2	22.2
NOON-1PM	3150	0.0	1651	0.0	1500	1512	1637	3289+	17.75	438	66.8	11.2	30.8	27.9	21.1
1-2 PM	3157	0.0	1655	0.0	1500	1498	1660	3315+	17.86	441	66.8	11.2	30.8	27.9	21.0
2-3 PM	3124	0.0	1638	0.0	1500	1495	1629	3267+	17.66	436	66.9	11.3	30.8	27.9	21.2
3-4 PM	3175	0.0	1665	0.0	1500	1510	1664	3329+	17.92	443	66.8	11.2	30.8	27.8	20.9
4-5 PM	3220	0.0	1688	0.0	1499	1497	1723	3411+	18.27	452	66.8	11.0	30.8	27.8	20.6
5-6 PM	2771	0.0	1454	0.0	1500	1425	1346	2799+	15.89	390	67.3	12.4	30.8	28.7	23.1
6-7 PM	2307	0.0	1210	0.0	1500	1447	859	2069+	13.66	330	67.9	14.0	30.8	29.7	26.1
7-8 PM	1798	0.0	943	0.0	1500	1455	344	1287+	11.79	280	68.5	15.7	30.8	30.9	29.4
8-9 PM	1316	0.0	690	0.0	1499	1301	15	704	7.90	190	69.1	21.1	31.9	31.9	31.9
9-10 PM	1001	0.0	524	0.0	1500	1001	0	524	0.76	6	69.5	56.9	41.5	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

+ 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	0.0242
MAIN ROUTE WITH WORKS	0.0141
DIVERSION	0.3470

PIA: Personal Injury Accidents

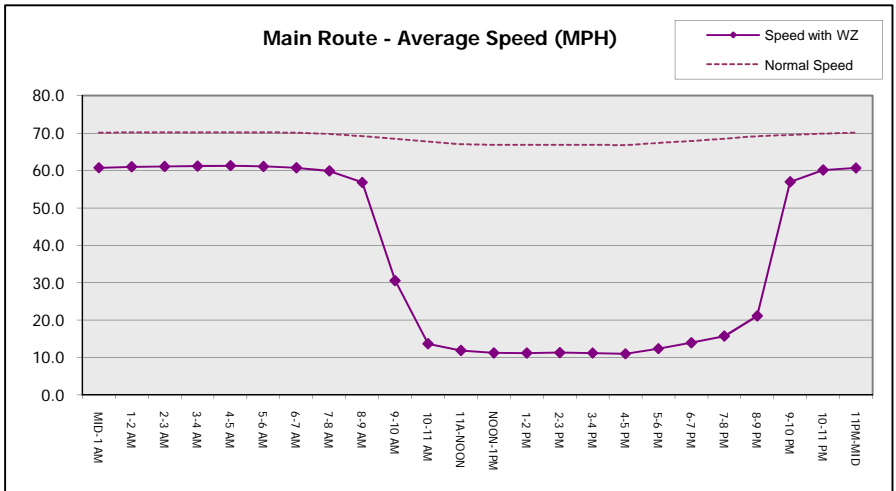
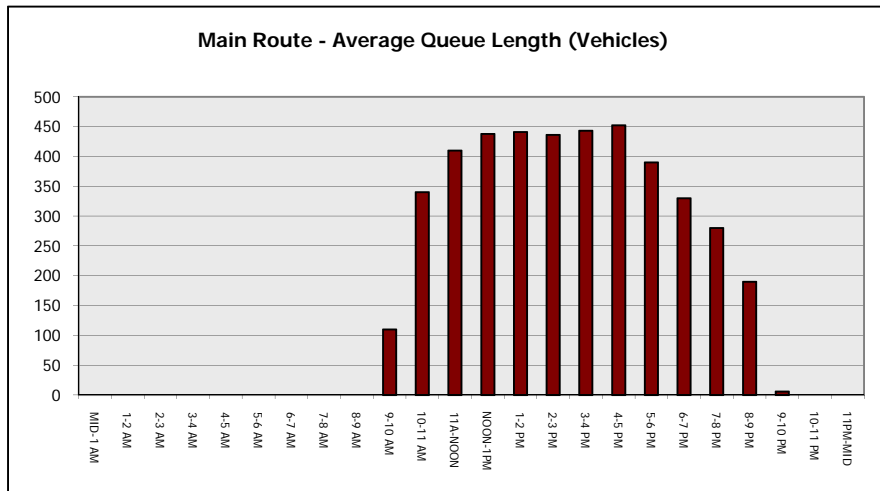
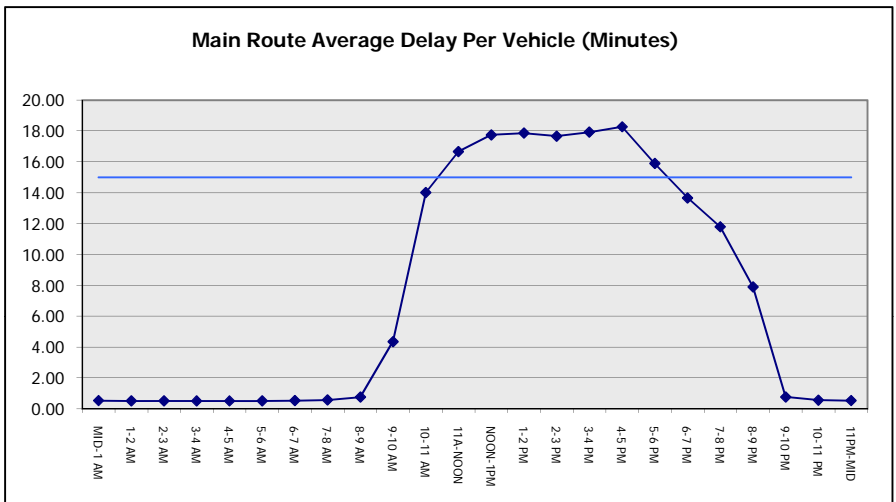
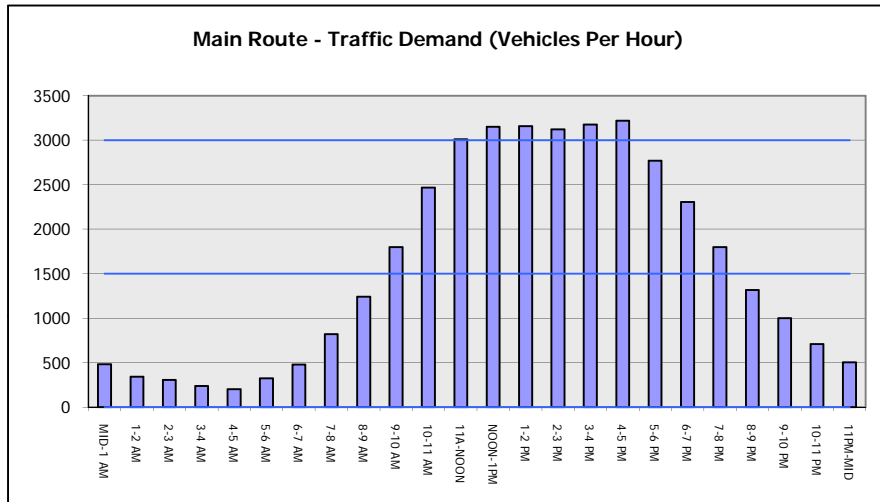
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$172,212
CONGESTED HOURS PER DAY*	7

\*Delays Exceeding 15 Minutes

**IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)**  
**CONTINUOUS (24 HOUR) 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>CONTINUOUS (24 HOUR) 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 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	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	1499	1873	0	983	5.25	143	68.4	27.4	30.8	30.7	30.7
10-11 AM	2545	0.0	1334	0.0	1499	1500	1045	2379+	14.54	354	67.6	13.3	30.8	29.2	24.8
11A-NOON	3199	0.0	1677	0.0	1500	1597	1602	3280+	17.71	438	66.8	11.2	30.8	27.8	21.1
NOON-1PM	3486	0.0	1828	0.0	1500	1546	1939	3767+	19.96	497	66.4	10.2	30.8	27.1	19.1
1-2 PM	3665	0.0	1921	0.0	1500	1537	2127	4049+	21.47	537	65.8	9.6	30.8	26.8	17.9
2-3 PM	3819	0.0	2002	0.0	1500	1537	2283	4284+	22.86	575	64.8	9.0	30.8	26.5	17.0
3-4 PM	3901	0.0	2046	0.0	1500	1517	2384	4430+	23.82	601	64.2	8.7	30.8	26.3	16.3
4-5 PM	3892	0.0	2041	0.0	1500	1478	2414	4455+	24.00	606	64.3	8.6	30.8	26.3	16.2
5-6 PM	3459	0.0	1813	0.0	1500	1390	2069	3882+	20.56	514	66.4	9.9	30.8	27.2	18.6
6-7 PM	3044	0.0	1596	0.0	1499	1426	1618	3214+	17.44	431	66.9	11.4	30.8	28.1	21.4
7-8 PM	2327	0.0	1220	0.0	1500	1415	913	2133+	13.83	335	67.8	13.8	30.8	29.7	25.9
8-9 PM	1842	0.0	965	0.0	1499	1457	384	1349+	11.92	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

+ 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	0.0278
MAIN ROUTE WITH WORKS	0.0142
DIVERSION	0.4370

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$252,354
CONGESTED HOURS PER DAY*	8

\*Delays Exceeding 15 Minutes

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

