

<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>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

**FRIDAY 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	503	0.0	264	0.0	3000	503	0	264	0.36	0	70.1	63.5	49.7	33.7	33.7
1-2 AM	417	0.0	219	0.0	3000	417	0	219	0.36	0	70.2	63.5	49.7	33.8	33.8
2-3 AM	364	0.0	191	0.0	3000	364	0	191	0.36	0	70.2	63.5	49.7	34.0	34.0
3-4 AM	386	0.0	202	0.0	3000	386	0	202	0.36	0	70.2	63.5	49.7	33.9	33.9
4-5 AM	550	0.0	288	0.0	3000	550	0	288	0.36	0	70.0	63.4	49.7	33.6	33.6
5-6 AM	1096	0.0	574	0.0	3000	1096	0	574	0.35	0	69.4	63.0	49.7	32.4	32.4
6-7 AM	2399	0.0	1258	0.0	2999	2399	0	1258+	0.43	0	67.8	60.4	46.1	29.6	29.6
7-8 AM	3479	0.0	1824	0.0	2999	3479	0	1824+	4.10	219	66.4	31.1	37.3	27.2	27.2
8-9 AM	3041	0.0	1595	0.0	2999	3041	0	1595+	10.27	526	66.9	17.3	37.3	28.1	28.1
9-10 AM	2624	0.0	1376	0.0	2999	2624	0	1376+	6.56	341	67.5	23.7	38.1	29.1	29.1
10-11 AM	2745	0.0	1439	0.0	3000	2745	0	1439+	1.13	34	67.3	51.2	40.4	28.8	28.8
11A-NOON	3012	0.0	1579	0.0	2999	3012	0	1579+	0.87	9	67.0	53.9	37.6	28.2	28.2
NOON-1PM	3250	0.0	1704	0.0	3000	3250	0	1704+	3.18	146	66.7	35.4	37.3	27.7	27.7
1-2 PM	3513	0.0	1842	0.0	3000	3489	24	1866+	9.74	522	66.4	17.9	37.3	27.1	27.0
2-3 PM	3799	0.0	1992	0.0	2999	3099	701	2693+	15.50	821	64.9	13.0	37.3	26.5	23.8
3-4 PM	4501	0.0	2360	0.0	3000	3282	1220	3579+	19.14	1043	60.1	11.8	37.3	25.0	20.6
4-5 PM	4586	0.0	2405	0.0	2999	3023	1563	3967+	21.63	1182	59.6	11.2	37.3	24.8	19.1
5-6 PM	4263	0.0	2235	0.0	2999	2802	1460	3695+	20.07	1086	61.7	11.6	37.3	25.5	20.1
6-7 PM	3538	0.0	1855	0.0	3000	2737	801	2656+	15.49	818	66.3	13.1	37.3	27.1	24.0
7-8 PM	2813	0.0	1474	0.0	3000	2741	72	1547+	11.51	598	67.3	15.9	37.3	28.6	28.3
8-9 PM	2390	0.0	1254	0.0	2999	2390	0	1254+	2.97	198	67.8	36.9	43.7	29.6	29.6
9-10 PM	1927	0.0	1011	0.0	3000	1927	0	1011	0.34	0	68.3	62.3	49.7	30.6	30.6
10-11 PM	1514	0.0	794	0.0	3000	1514	0	794	0.34	0	68.9	62.7	49.7	31.5	31.5
11PM-MID	961	0.0	503	0.0	3000	961	0	503	0.35	0	69.6	63.1	49.7	32.7	32.7

+ 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	0.0367
MAIN ROUTE WITH WORKS	0.0296
DIVERSION	0.3781

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$137,294
CONGESTED HOURS PER DAY*	5

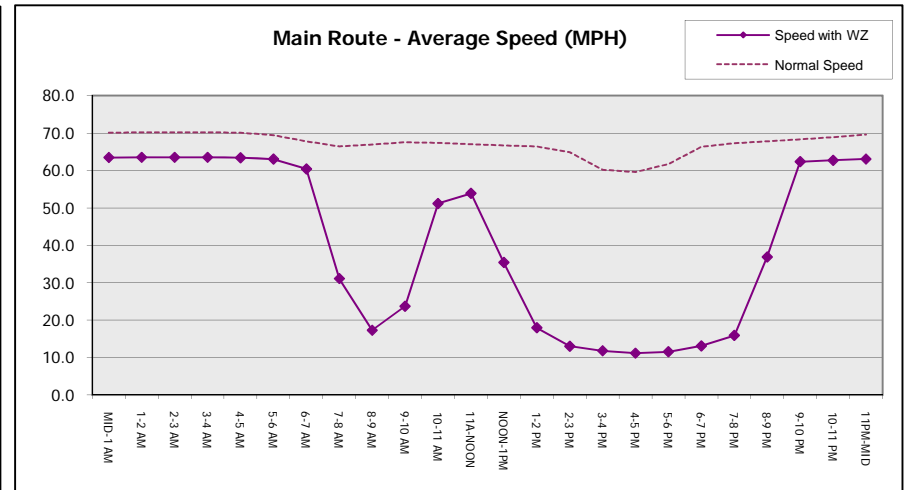
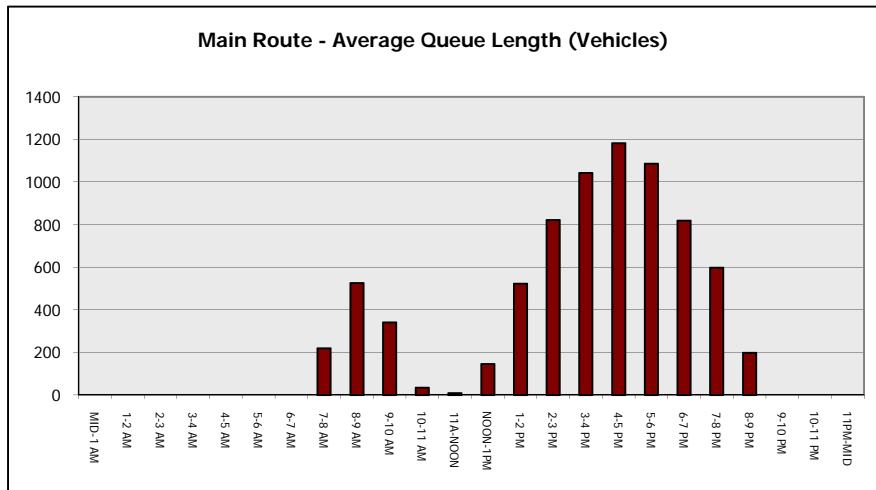
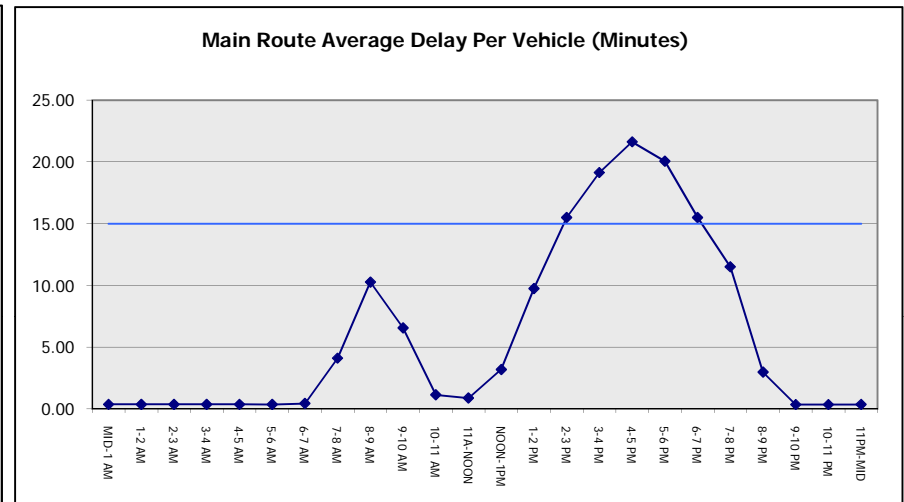
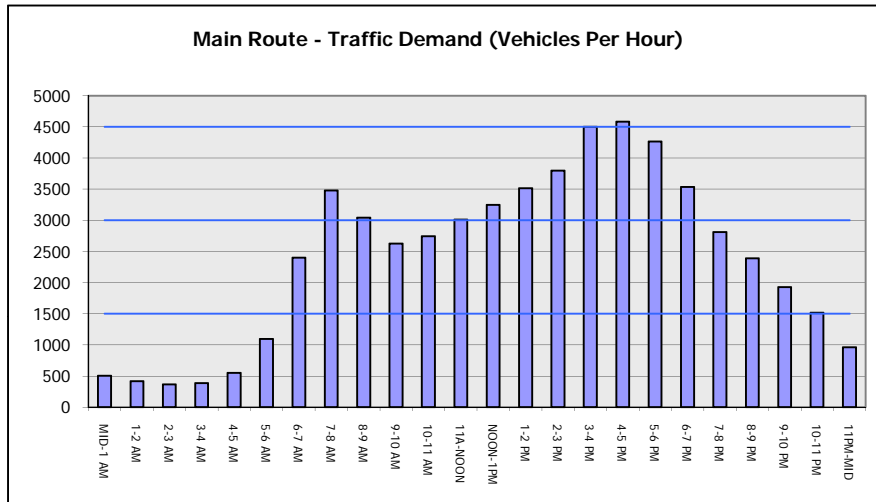
\*Delays Exceeding 15 Minutes

**IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)**  
**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: BELTLINE - USH 51 - STH 30**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**FRIDAY 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>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY 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	425	0.0	223	0.0	3000	425	0	223	0.36	0	70.2	63.5	49.7	33.8	33.8
1-2 AM	336	0.0	176	0.0	3000	336	0	176	0.36	0	70.2	63.5	49.7	34.0	34.0
2-3 AM	334	0.0	175	0.0	3000	334	0	175	0.36	0	70.2	63.5	49.7	34.0	34.0
3-4 AM	370	0.0	194	0.0	3000	370	0	194	0.36	0	70.2	63.5	49.7	34.0	34.0
4-5 AM	461	0.0	242	0.0	3000	461	0	242	0.36	0	70.2	63.5	49.7	33.8	33.8
5-6 AM	1144	0.0	600	0.0	3000	1144	0	600	0.35	0	69.3	63.0	49.7	32.3	32.3
6-7 AM	2684	0.0	1407	0.0	2999	2684	0	1407+	0.51	0	67.4	58.9	43.3	28.9	28.9
7-8 AM	3108	0.0	1629	0.0	2999	3108	0	1629+	1.76	59	66.9	44.8	37.3	28.0	28.0
8-9 AM	2494	0.0	1308	0.0	3000	2494	0	1308+	0.62	14	67.6	57.6	46.5	29.3	29.3
9-10 AM	2322	0.0	1218	0.0	3000	2322	0	1218+	0.33	0	67.9	62.0	49.7	29.7	29.7
10-11 AM	2446	0.0	1282	0.0	3000	2446	0	1282+	0.37	0	67.7	61.4	48.1	29.4	29.4
11A-NOON	2582	0.0	1354	0.0	3000	2582	0	1354+	0.46	0	67.5	59.9	44.9	29.1	29.1
NOON-1PM	2800	0.0	1468	0.0	3000	2800	0	1468+	0.60	0	67.3	57.6	40.6	28.7	28.7
1-2 PM	2845	0.0	1492	0.0	2999	2845	0	1492+	0.63	0	67.2	57.1	39.8	28.6	28.6
2-3 PM	3185	0.0	1670	0.0	2999	3185	0	1670+	1.94	74	66.8	43.4	37.3	27.8	27.8
3-4 PM	3433	0.0	1800	0.0	3000	3433	0	1800+	7.31	385	66.4	22.0	37.3	27.3	27.3
4-5 PM	3681	0.0	1930	0.0	2999	3186	495	2425+	14.63	771	65.7	13.4	37.3	26.8	24.8
5-6 PM	3423	0.0	1795	0.0	2999	2904	518	2313+	14.32	751	66.5	13.6	37.3	27.3	25.2
6-7 PM	2810	0.0	1473	0.0	2999	2749	61	1534+	11.46	595	67.3	16.0	37.3	28.6	28.4
7-8 PM	2248	0.0	1178	0.0	2999	2248	0	1178	2.28	162	67.9	41.3	45.5	29.9	29.9
8-9 PM	1787	0.0	937	0.0	3000	1787	0	937	0.34	0	68.5	62.5	49.7	30.9	30.9
9-10 PM	1514	0.0	794	0.0	3000	1514	0	794	0.34	0	68.9	62.7	49.7	31.5	31.5
10-11 PM	1170	0.0	613	0.0	3000	1170	0	613	0.35	0	69.3	63.0	49.7	32.2	32.2
11PM-MID	876	0.0	459	0.0	3000	876	0	459	0.35	0	69.6	63.2	49.7	32.9	32.9

+ 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	0.0309
MAIN ROUTE WITH WORKS	0.0271
DIVERSION	0.2776

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$48,015
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: BELTLINE - USH 51 - STH 30**

**MAY**  
 Analyzed for 2009  
 Construction Season

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

