

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	MAY
	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	OFF	1096	0	574	0.00	0	69.4	69.4	69.4	32.4	32.4
6-7 AM	2399	0.0	1258	0.0	OFF	2399	0	1258+	0.00	0	67.8	67.8	67.8	29.6	29.6
7-8 AM	3479	0.0	1824	0.0	OFF	3479	0	1824+	0.00	0	66.4	66.4	66.4	27.2	27.2
8-9 AM	3041	0.0	1595	0.0	OFF	3041	0	1595+	0.00	0	66.9	66.9	66.9	28.1	28.1
9-10 AM	2624	0.0	1376	0.0	OFF	2624	0	1376+	0.00	0	67.5	67.5	67.5	29.1	29.1
10-11 AM	2745	0.0	1439	0.0	OFF	2745	0	1439+	0.00	0	67.3	67.3	67.3	28.8	28.8
11A-NOON	3012	0.0	1579	0.0	OFF	3012	0	1579+	0.00	0	67.0	67.0	67.0	28.2	28.2
NOON-1PM	3250	0.0	1704	0.0	OFF	3250	0	1704+	0.00	0	66.7	66.7	66.7	27.7	27.7
1-2 PM	3513	0.0	1842	0.0	OFF	3513	0	1842+	0.00	0	66.4	66.4	66.4	27.1	27.1
2-3 PM	3799	0.0	1992	0.0	OFF	3799	0	1992+	0.00	0	64.9	64.9	64.9	26.5	26.5
3-4 PM	4501	0.0	2360	0.0	OFF	4501	0	2360+	0.00	0	60.1	60.1	60.1	25.0	25.0
4-5 PM	4586	0.0	2405	0.0	OFF	4586	0	2405+	0.00	0	59.6	59.6	59.6	24.8	24.8
5-6 PM	4263	0.0	2235	0.0	OFF	4263	0	2235+	0.00	0	61.7	61.7	61.7	25.5	25.5
6-7 PM	3538	0.0	1855	0.0	OFF	3538	0	1855+	0.00	0	66.3	66.3	66.3	27.1	27.1
7-8 PM	2813	0.0	1474	0.0	3000	2813	0	1474+	0.61	0	67.3	57.4	40.3	28.6	28.6
8-9 PM	2390	0.0	1254	0.0	3000	2390	0	1254+	0.33	0	67.8	62.0	49.6	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

"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	0.0367
MAIN ROUTE WITH WORKS	0.0359
DIVERSION	0.3169

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$996
CONGESTED HOURS PER DAY*	0

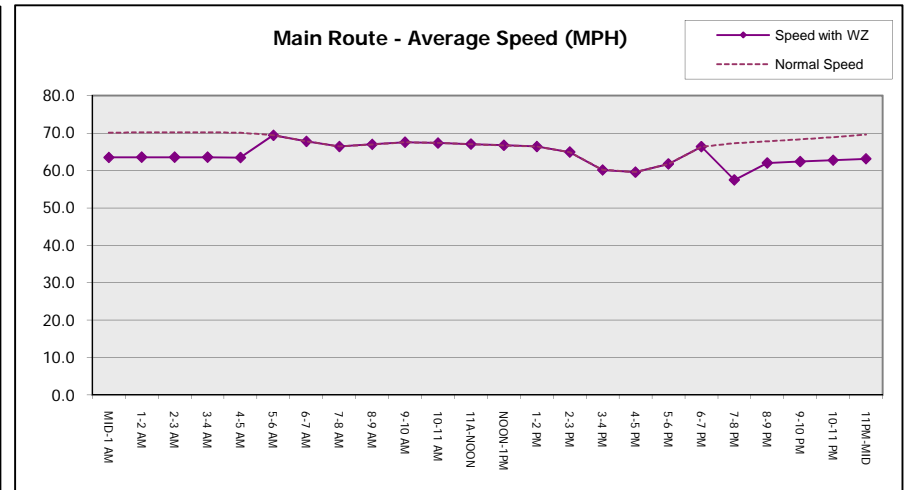
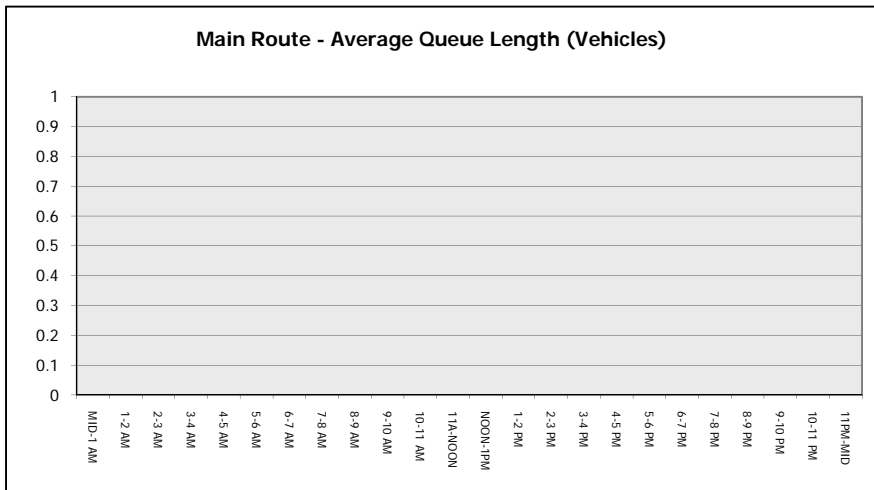
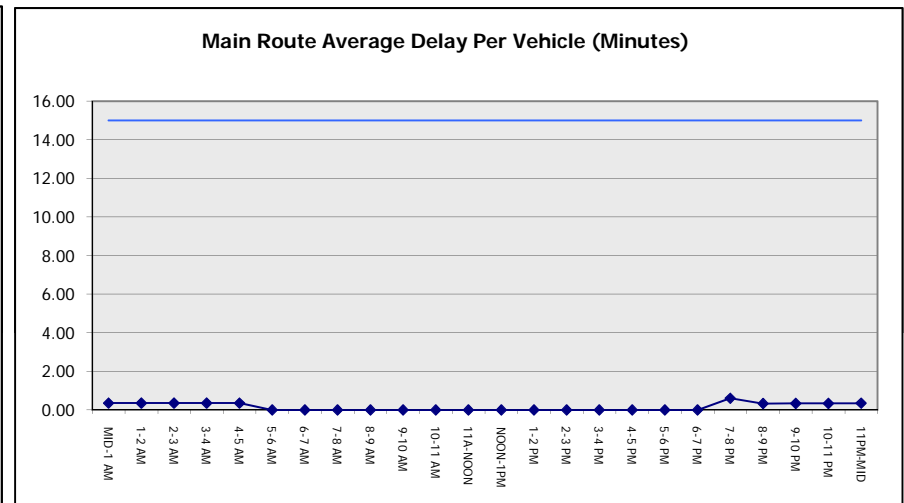
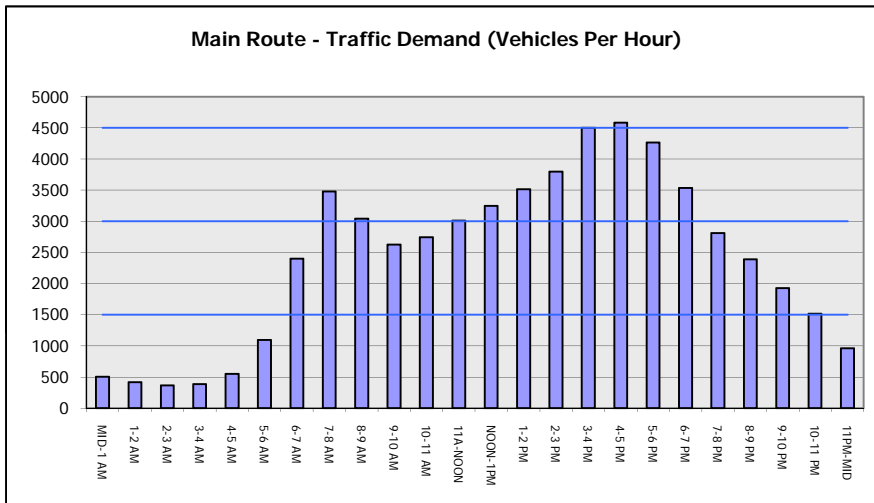
*Delays Exceeding 15 Minutes

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



IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	MAY
	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		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		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	OFF	1144	0	600	0.00	0	69.3	69.3	69.3	32.3	32.3
6-7 AM	2684	0.0	1407	0.0	OFF	2684	0	1407+	0.00	0	67.4	67.4	67.4	28.9	28.9
7-8 AM	3108	0.0	1629	0.0	OFF	3108	0	1629+	0.00	0	66.9	66.9	66.9	28.0	28.0
8-9 AM	2494	0.0	1308	0.0	OFF	2494	0	1308+	0.00	0	67.6	67.6	67.6	29.3	29.3
9-10 AM	2322	0.0	1218	0.0	OFF	2322	0	1218+	0.00	0	67.9	67.9	67.9	29.7	29.7
10-11 AM	2446	0.0	1282	0.0	OFF	2446	0	1282+	0.00	0	67.7	67.7	67.7	29.4	29.4
11A-NOON	2582	0.0	1354	0.0	OFF	2582	0	1354+	0.00	0	67.5	67.5	67.5	29.1	29.1
NOON-1PM	2800	0.0	1468	0.0	OFF	2800	0	1468+	0.00	0	67.3	67.3	67.3	28.7	28.7
1-2 PM	2845	0.0	1492	0.0	OFF	2845	0	1492+	0.00	0	67.2	67.2	67.2	28.6	28.6
2-3 PM	3185	0.0	1670	0.0	OFF	3185	0	1670+	0.00	0	66.8	66.8	66.8	27.8	27.8
3-4 PM	3433	0.0	1800	0.0	OFF	3433	0	1800+	0.00	0	66.4	66.4	66.4	27.3	27.3
4-5 PM	3681	0.0	1930	0.0	OFF	3681	0	1930+	0.00	0	65.7	65.7	65.7	26.8	26.8
5-6 PM	3423	0.0	1795	0.0	OFF	3423	0	1795+	0.00	0	66.5	66.5	66.5	27.3	27.3
6-7 PM	2810	0.0	1473	0.0	OFF	2810	0	1473+	0.00	0	67.3	67.3	67.3	28.6	28.6
7-8 PM	2248	0.0	1178	0.0	3000	2248	0	1178	0.33	0	67.9	62.1	49.7	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

"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	0.0309
MAIN ROUTE WITH WORKS	0.0302
DIVERSION	0.2664

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$678
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

