

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	AUGUST
	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	595	0.0	312	0.0	1500	595	0	312	0.54	0	70.0	60.4	43.2	33.5	33.5
1-2 AM	470	0.0	247	0.0	1500	470	0	247	0.53	0	70.2	60.7	43.6	33.7	33.7
2-3 AM	394	0.0	207	0.0	1500	394	0	207	0.52	0	70.2	60.9	43.9	33.9	33.9
3-4 AM	411	0.0	216	0.0	1500	411	0	216	0.52	0	70.2	60.9	43.8	33.9	33.9
4-5 AM	582	0.0	305	0.0	1500	582	0	305	0.54	0	70.0	60.4	43.2	33.5	33.5
5-6 AM	1069	0.0	560	0.0	OFF	1069	0	560	0.00	0	69.4	69.4	69.4	32.4	32.4
6-7 AM	2270	0.0	1190	0.0	OFF	2270	0	1190	0.00	0	67.9	67.9	67.9	29.8	29.8
7-8 AM	3444	0.0	1806	0.0	OFF	3444	0	1806+	0.00	0	66.4	66.4	66.4	27.3	27.3
8-9 AM	3164	0.0	1659	0.0	OFF	3164	0	1659+	0.00	0	66.8	66.8	66.8	27.9	27.9
9-10 AM	3005	0.0	1576	0.0	OFF	3005	0	1576+	0.00	0	67.0	67.0	67.0	28.2	28.2
10-11 AM	3229	0.0	1693	0.0	OFF	3229	0	1693+	0.00	0	66.7	66.7	66.7	27.7	27.7
11A-NOON	3624	0.0	1899	0.0	OFF	3624	0	1899+	0.00	0	66.1	66.1	66.1	26.9	26.9
NOON-1PM	3930	0.0	2060	0.0	OFF	3930	0	2060+	0.00	0	64.0	64.0	64.0	26.2	26.2
1-2 PM	3864	0.0	2026	0.0	OFF	3864	0	2026+	0.00	0	64.5	64.5	64.5	26.3	26.3
2-3 PM	4266	0.0	2236	0.0	OFF	4266	0	2236+	0.00	0	61.7	61.7	61.7	25.5	25.5
3-4 PM	4864	0.0	2550	0.0	OFF	4864	0	2550+	0.00	0	57.6	57.6	57.6	24.2	24.2
4-5 PM	4973	0.0	2607	0.0	OFF	4973	0	2607+	0.00	0	56.9	56.9	56.9	23.9	23.9
5-6 PM	4285	0.0	2247	0.0	OFF	4285	0	2247+	0.00	0	61.6	61.6	61.6	25.4	25.4
6-7 PM	3906	0.0	2048	0.0	OFF	3906	0	2048+	0.00	0	64.1	64.1	64.1	26.3	26.3
7-8 PM	3082	0.0	1616	0.0	1499	1861	1221	2836+	16.00	405	66.9	12.2	31.9	28.1	23.0
8-9 PM	2561	0.0	1343	0.0	1499	1483	1078	2420+	14.66	357	67.6	13.2	30.8	29.2	24.7
9-10 PM	2263	0.0	1187	0.0	1499	1468	794	1981+	13.42	324	67.9	14.2	30.8	29.8	26.5
10-11 PM	1736	0.0	909	0.0	1500	1451	284	1193	11.59	275	68.6	15.9	30.8	31.0	29.8
11PM-MID	1083	0.0	568	0.0	1499	1083	0	568	3.39	112	69.4	35.0	36.7	32.4	32.4

"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 (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	0.0402
MAIN ROUTE WITH WORKS	0.0374
DIVERSION	0.3819

PIA: Personal Injury Accidents

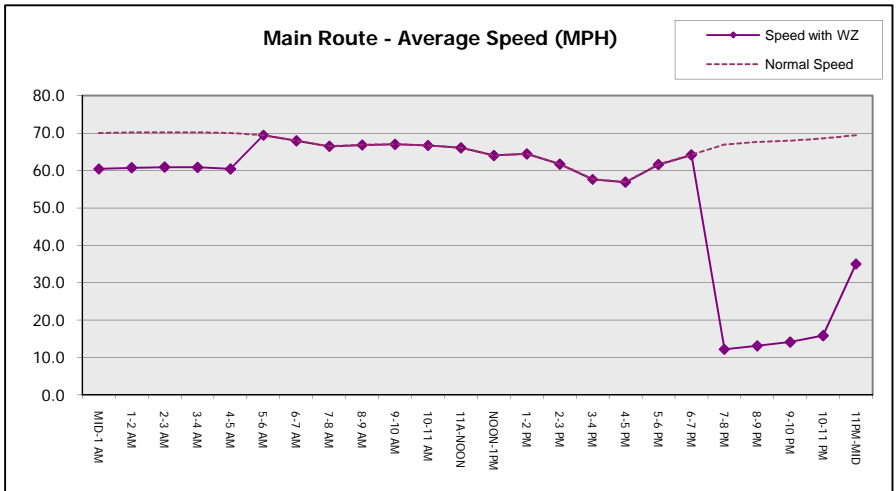
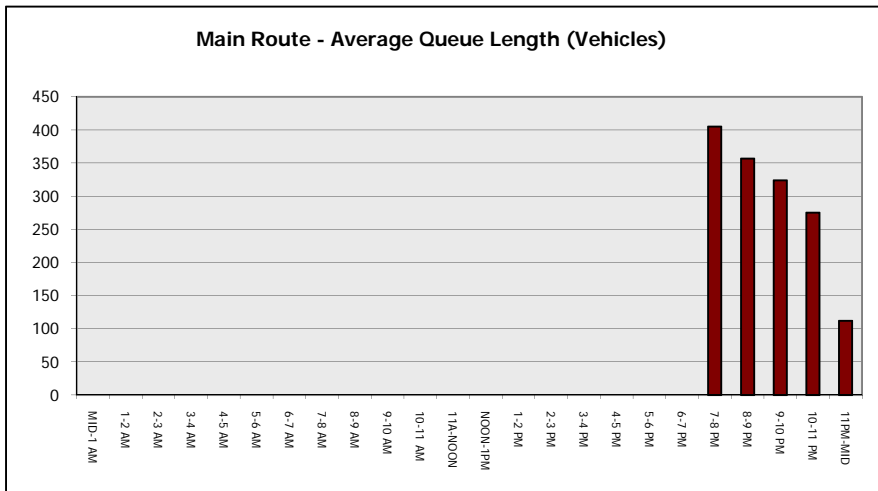
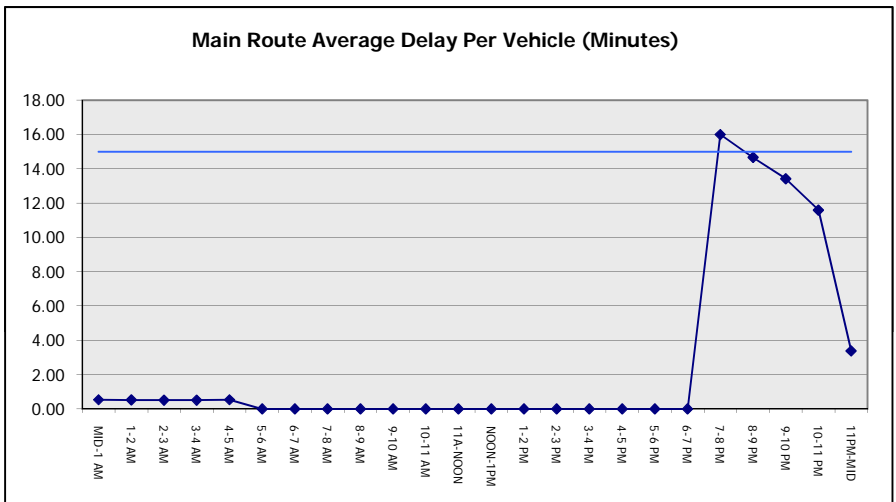
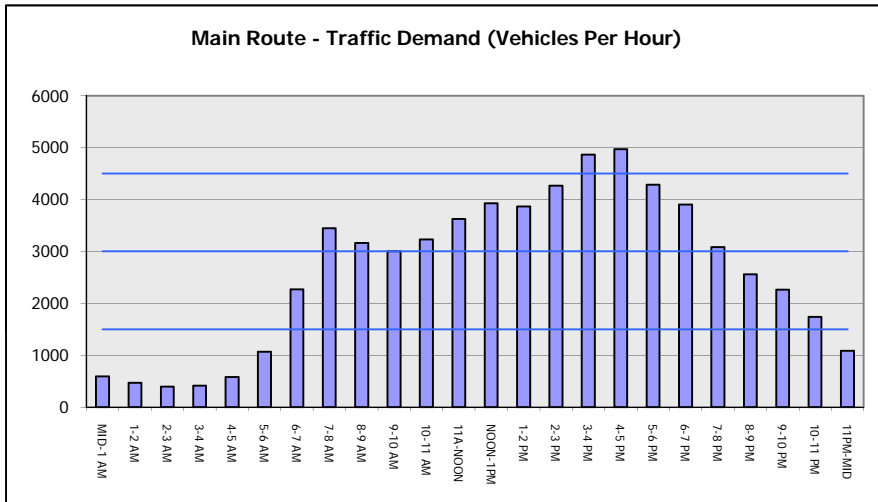
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$38,947
CONGESTED HOURS PER DAY*	1

*Delays Exceeding 15 Minutes

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

AUGUST
 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 2 LANE CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	AUGUST
	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	525	0.0	275	0.0	1500	525	0	275	0.54	0	70.1	60.6	43.4	33.7	33.7
1-2 AM	443	0.0	232	0.0	1500	443	0	232	0.53	0	70.2	60.8	43.7	33.8	33.8
2-3 AM	396	0.0	207	0.0	1500	396	0	207	0.52	0	70.2	60.9	43.9	33.9	33.9
3-4 AM	394	0.0	206	0.0	1500	394	0	206	0.52	0	70.2	60.9	43.9	33.9	33.9
4-5 AM	515	0.0	270	0.0	1500	515	0	270	0.53	0	70.1	60.6	43.5	33.7	33.7
5-6 AM	1107	0.0	580	0.0	OFF	1107	0	580	0.00	0	69.4	69.4	69.4	32.4	32.4
6-7 AM	2586	0.0	1355	0.0	OFF	2586	0	1355+	0.00	0	67.5	67.5	67.5	29.1	29.1
7-8 AM	3284	0.0	1721	0.0	OFF	3284	0	1721+	0.00	0	66.6	66.6	66.6	27.6	27.6
8-9 AM	2677	0.0	1404	0.0	OFF	2677	0	1404+	0.00	0	67.4	67.4	67.4	28.9	28.9
9-10 AM	2522	0.0	1323	0.0	OFF	2522	0	1323+	0.00	0	67.6	67.6	67.6	29.2	29.2
10-11 AM	2791	0.0	1463	0.0	OFF	2791	0	1463+	0.00	0	67.3	67.3	67.3	28.7	28.7
11A-NOON	3105	0.0	1628	0.0	OFF	3105	0	1628+	0.00	0	66.9	66.9	66.9	28.0	28.0
NOON-1PM	3218	0.0	1687	0.0	OFF	3218	0	1687+	0.00	0	66.8	66.8	66.8	27.8	27.8
1-2 PM	3470	0.0	1820	0.0	OFF	3470	0	1820+	0.00	0	66.4	66.4	66.4	27.2	27.2
2-3 PM	3820	0.0	2003	0.0	OFF	3820	0	2003+	0.00	0	64.8	64.8	64.8	26.5	26.5
3-4 PM	3950	0.0	2071	0.0	OFF	3950	0	2071+	0.00	0	63.9	63.9	63.9	26.1	26.1
4-5 PM	4058	0.0	2127	0.0	OFF	4058	0	2127+	0.00	0	63.2	63.2	63.2	25.9	25.9
5-6 PM	3820	0.0	2003	0.0	OFF	3820	0	2003+	0.00	0	64.8	64.8	64.8	26.5	26.5
6-7 PM	3016	0.0	1581	0.0	OFF	3016	0	1581+	0.00	0	67.0	67.0	67.0	28.2	28.2
7-8 PM	2366	0.0	1240	0.0	1499	1826	539	1779+	12.15	299	67.8	15.3	32.4	29.6	27.4
8-9 PM	2000	0.0	1048	0.0	1499	1464	536	1585+	12.45	298	68.2	15.0	30.8	30.4	28.2
9-10 PM	1718	0.0	901	0.0	1499	1476	242	1143	11.49	272	68.6	16.0	30.8	31.1	30.0
10-11 PM	1338	0.0	701	0.0	1499	1328	10	711	8.38	199	69.1	20.2	31.4	31.9	31.8
11PM-MID	980	0.0	514	0.0	1500	980	0	514	0.88	10	69.5	55.4	41.4	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	0.0345
MAIN ROUTE WITH WORKS	0.0330
DIVERSION	0.3112

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$23,716
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

