

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

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	1500	501	0	265	0.53	0	70.1	60.7	43.5	33.7	33.7
1-2 AM	361	0.0	191	0.0	1500	361	0	191	0.52	0	70.2	61.0	44.0	34.0	34.0
2-3 AM	317	0.0	167	0.0	1500	317	0	167	0.51	0	70.2	61.0	44.2	34.1	34.1
3-4 AM	340	0.0	179	0.0	1500	340	0	179	0.51	0	70.2	61.0	44.2	34.0	34.0
4-5 AM	532	0.0	279	0.0	1500	532	0	279	0.54	0	70.0	60.6	43.4	33.6	33.6
5-6 AM	1080	0.0	566	0.0	OFF	1080	0	566	0.00	0	69.4	69.4	69.4	32.4	32.4
6-7 AM	2345	0.0	1231	0.0	OFF	2345	0	1231+	0.00	0	67.8	67.8	67.8	29.6	29.6
7-8 AM	3503	0.0	1837	0.0	OFF	3503	0	1837+	0.00	0	66.4	66.4	66.4	27.1	27.1
8-9 AM	3000	0.0	1573	0.0	OFF	3000	0	1573+	0.00	0	67.0	67.0	67.0	28.2	28.2
9-10 AM	2486	0.0	1303	0.0	OFF	2486	0	1303+	0.00	0	67.6	67.6	67.6	29.4	29.4
10-11 AM	2572	0.0	1347	0.0	OFF	2572	0	1347+	0.00	0	67.6	67.6	67.6	29.2	29.2
11A-NOON	2749	0.0	1442	0.0	OFF	2749	0	1442+	0.00	0	67.3	67.3	67.3	28.8	28.8
NOON-1PM	2791	0.0	1464	0.0	OFF	2791	0	1464+	0.00	0	67.3	67.3	67.3	28.7	28.7
1-2 PM	2985	0.0	1564	0.0	OFF	2985	0	1564+	0.00	0	67.0	67.0	67.0	28.3	28.3
2-3 PM	3250	0.0	1702	0.0	OFF	3250	0	1702+	0.00	0	66.7	66.7	66.7	27.7	27.7
3-4 PM	3912	0.0	2049	0.0	OFF	3912	0	2049+	0.00	0	64.1	64.1	64.1	26.3	26.3
4-5 PM	4140	0.0	2170	0.0	OFF	4140	0	2170+	0.00	0	62.6	62.6	62.6	25.7	25.7
5-6 PM	3803	0.0	1994	0.0	OFF	3803	0	1994+	0.00	0	64.9	64.9	64.9	26.5	26.5
6-7 PM	2582	0.0	1356	0.0	OFF	2582	0	1356+	0.00	0	67.5	67.5	67.5	29.1	29.1
7-8 PM	1903	0.0	998	0.0	1499	1775	129	1127	8.21	202	68.4	20.5	30.8	30.6	30.1
8-9 PM	1635	0.0	856	0.0	1500	1485	149	1005	11.21	265	68.7	16.3	30.8	31.2	30.6
9-10 PM	1319	0.0	692	0.0	1499	1319	0	692	7.93	189	69.1	21.1	31.6	31.9	31.9
10-11 PM	993	0.0	522	0.0	1500	993	0	522	0.79	7	69.5	56.6	41.5	32.6	32.6
11PM-MID	702	0.0	367	0.0	1500	702	0	367	0.55	0	69.9	60.2	42.7	33.2	33.2

"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	0.0317
MAIN ROUTE WITH WORKS	0.0310
DIVERSION	0.2766

PIA: Personal Injury Accidents

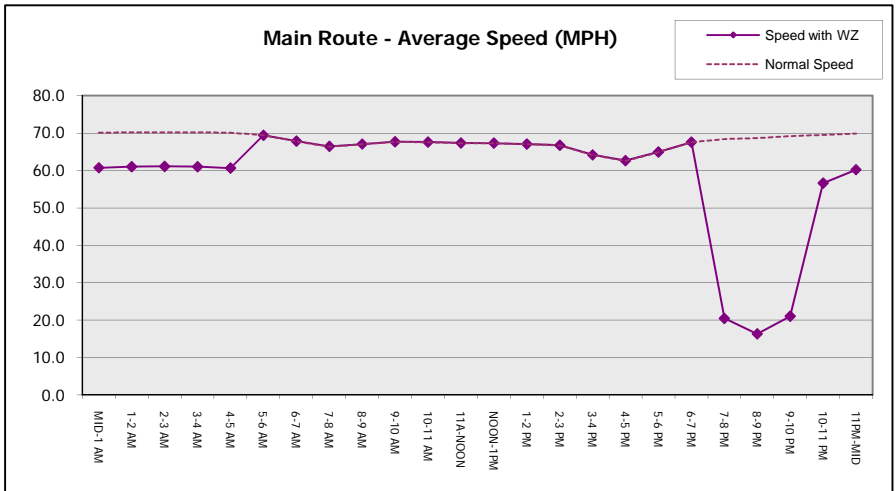
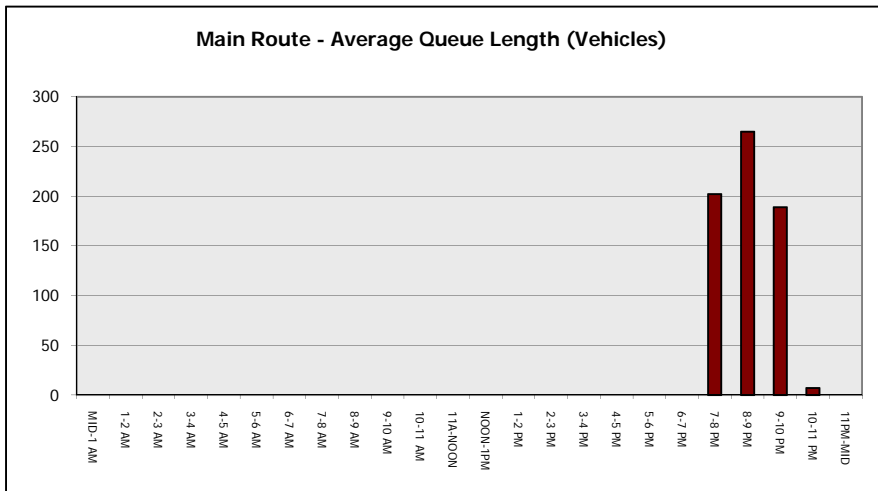
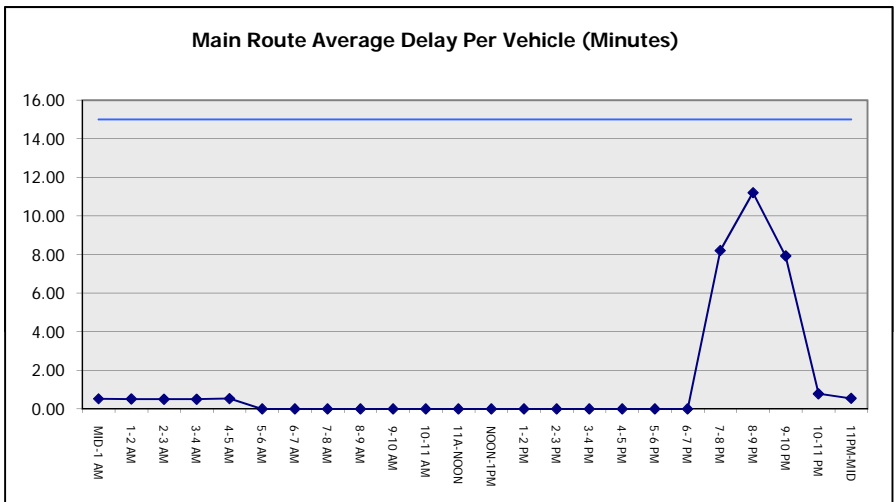
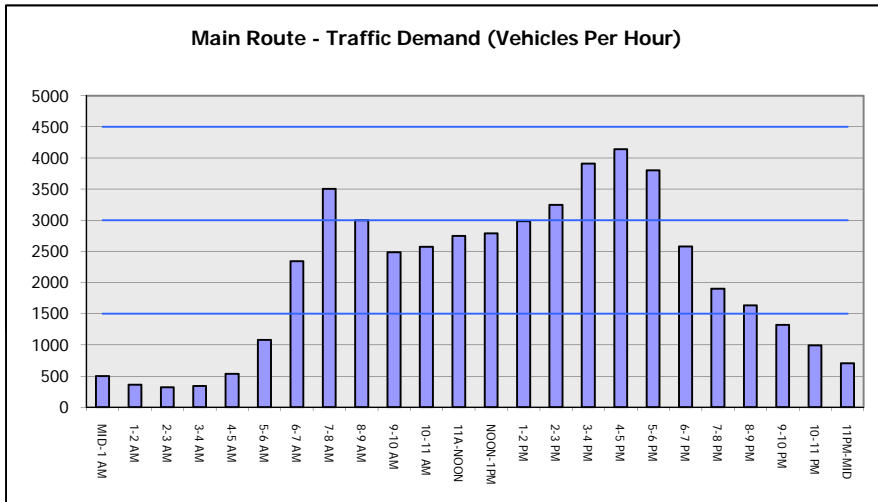
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$11,310
CONGESTED HOURS PER DAY*	0

*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
MON-THUR 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	
MON-THUR	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	478	0.0	251	0.0	1500	478	0	251	0.53	0	70.1	60.7	43.6	33.7	33.7
1-2 AM	369	0.0	194	0.0	1500	369	0	194	0.52	0	70.2	60.9	44.0	34.0	34.0
2-3 AM	331	0.0	175	0.0	1500	331	0	175	0.51	0	70.2	61.0	44.2	34.0	34.0
3-4 AM	375	0.0	198	0.0	1500	375	0	198	0.52	0	70.2	60.9	44.0	34.0	34.0
4-5 AM	507	0.0	267	0.0	1500	507	0	267	0.53	0	70.1	60.7	43.5	33.7	33.7
5-6 AM	1220	0.0	639	0.0	OFF	1220	0	639	0.00	0	69.2	69.2	69.2	32.1	32.1
6-7 AM	2774	0.0	1454	0.0	OFF	2774	0	1454+	0.00	0	67.3	67.3	67.3	28.7	28.7
7-8 AM	3498	0.0	1834	0.0	OFF	3498	0	1834+	0.00	0	66.4	66.4	66.4	27.1	27.1
8-9 AM	2750	0.0	1443	0.0	OFF	2750	0	1443+	0.00	0	67.3	67.3	67.3	28.8	28.8
9-10 AM	2482	0.0	1302	0.0	OFF	2482	0	1302+	0.00	0	67.6	67.6	67.6	29.4	29.4
10-11 AM	2545	0.0	1334	0.0	OFF	2545	0	1334+	0.00	0	67.6	67.6	67.6	29.2	29.2
11A-NOON	2757	0.0	1445	0.0	OFF	2757	0	1445+	0.00	0	67.3	67.3	67.3	28.8	28.8
NOON-1PM	2796	0.0	1467	0.0	OFF	2796	0	1467+	0.00	0	67.3	67.3	67.3	28.7	28.7
1-2 PM	2950	0.0	1547	0.0	OFF	2950	0	1547+	0.00	0	67.1	67.1	67.1	28.3	28.3
2-3 PM	3200	0.0	1678	0.0	OFF	3200	0	1678+	0.00	0	66.8	66.8	66.8	27.8	27.8
3-4 PM	3497	0.0	1834	0.0	OFF	3497	0	1834+	0.00	0	66.4	66.4	66.4	27.1	27.1
4-5 PM	4012	0.0	2103	0.0	OFF	4012	0	2103+	0.00	0	63.5	63.5	63.5	26.0	26.0
5-6 PM	3679	0.0	1929	0.0	OFF	3679	0	1929+	0.00	0	65.7	65.7	65.7	26.8	26.8
6-7 PM	2604	0.0	1367	0.0	OFF	2604	0	1367+	0.00	0	67.5	67.5	67.5	29.1	29.1
7-8 PM	1983	0.0	1040	0.0	1499	1785	197	1237+	8.88	217	68.2	19.4	30.8	30.4	29.6
8-9 PM	1650	0.0	865	0.0	1499	1476	174	1039	11.28	266	68.7	16.3	30.8	31.2	30.4
9-10 PM	1388	0.0	727	0.0	1499	1381	7	734	9.31	218	69.0	18.8	30.8	31.7	31.7
10-11 PM	1031	0.0	540	0.0	1500	1031	0	540	1.28	26	69.4	50.7	40.2	32.5	32.5
11PM-MID	738	0.0	387	0.0	1500	738	0	387	0.56	0	69.8	60.1	42.6	33.2	33.2

"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	0.0316
MAIN ROUTE WITH WORKS	0.0308
DIVERSION	0.2767

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$12,593
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
MON-THUR EASTBOUND DIRECTION

