

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	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	1499	1080	0	566	0.70	0	69.4	57.7	38.8	32.4	32.4
6-7 AM	2345	0.0	1231	0.0	1499	1864	481	1712+	9.13	243	67.8	18.9	30.8	29.6	27.6
7-8 AM	3503	0.0	1837	0.0	1500	1661	1842	3679+	19.51	487	66.4	10.4	30.8	27.1	19.4
8-9 AM	3000	0.0	1573	0.0	1500	1372	1628	3201+	17.39	430	67.0	11.4	30.8	28.2	21.4
9-10 AM	2486	0.0	1303	0.0	1500	1444	1042	2345+	14.44	351	67.6	13.4	30.8	29.4	25.0
10-11 AM	2572	0.0	1347	0.0	1499	1519	1053	2400+	14.60	355	67.6	13.2	30.8	29.2	24.8
11A-NOON	2749	0.0	1442	0.0	1499	1523	1226	2668+	15.44	377	67.3	12.6	30.8	28.8	23.7
NOON-1PM	2791	0.0	1464	0.0	1500	1506	1285	2749+	15.71	384	67.3	12.4	30.8	28.7	23.3
1-2 PM	2985	0.0	1564	0.0	1499	1533	1452	3017+	16.67	410	67.0	11.9	30.8	28.3	22.2
2-3 PM	3250	0.0	1702	0.0	1500	1557	1693	3395+	18.20	451	66.7	11.0	30.8	27.7	20.6
3-4 PM	3912	0.0	2049	0.0	1500	1661	2251	4300+	22.93	580	64.1	9.0	30.8	26.3	16.9
4-5 PM	4140	0.0	2170	0.0	1499	1526	2615	4785+	26.13	664	62.6	8.0	30.8	25.7	15.0
5-6 PM	3803	0.0	1994	0.0	1500	1357	2446	4441+	23.93	606	64.9	8.7	30.8	26.5	16.3
6-7 PM	2582	0.0	1356	0.0	1500	1312	1269	2626+	15.31	378	67.5	12.7	30.8	29.1	23.8
7-8 PM	1903	0.0	998	0.0	1499	1445	458	1456+	12.16	290	68.4	15.3	30.8	30.6	28.7
8-9 PM	1635	0.0	856	0.0	1499	1481	154	1010	11.22	265	68.7	16.3	30.8	31.2	30.6
9-10 PM	1319	0.0	692	0.0	1499	1318	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

+ 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	0.0165
DIVERSION	0.4927

PIA: Personal Injury Accidents

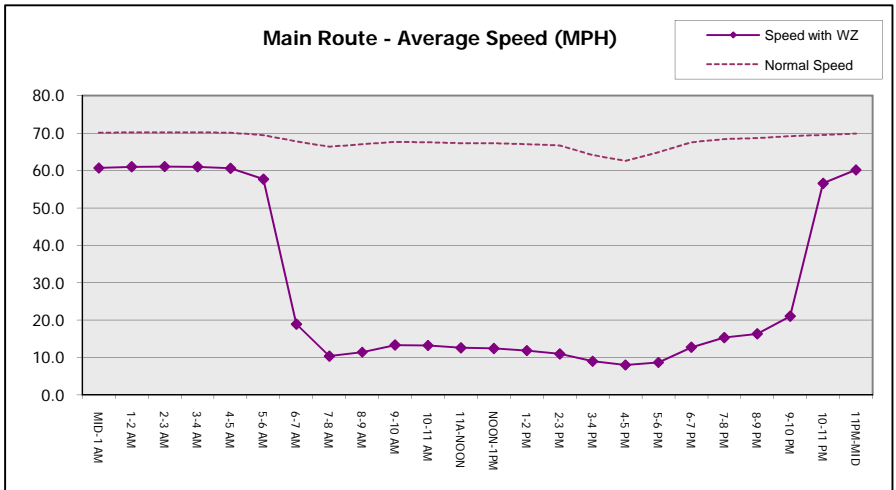
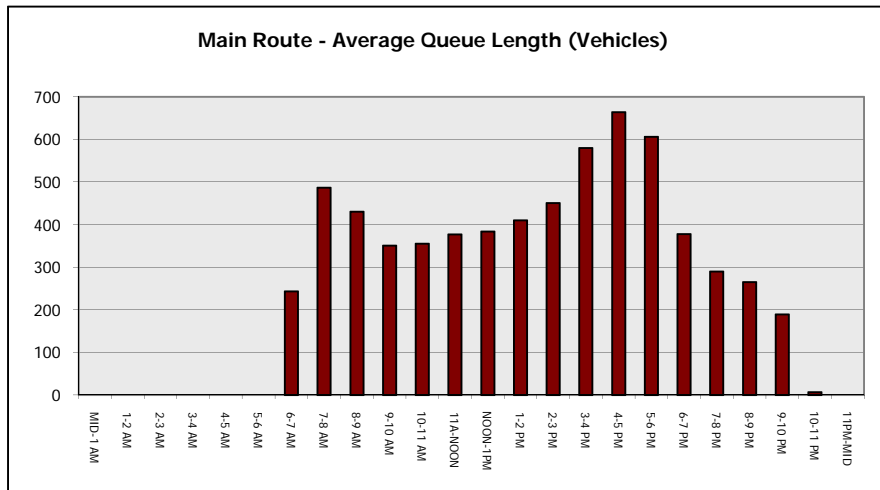
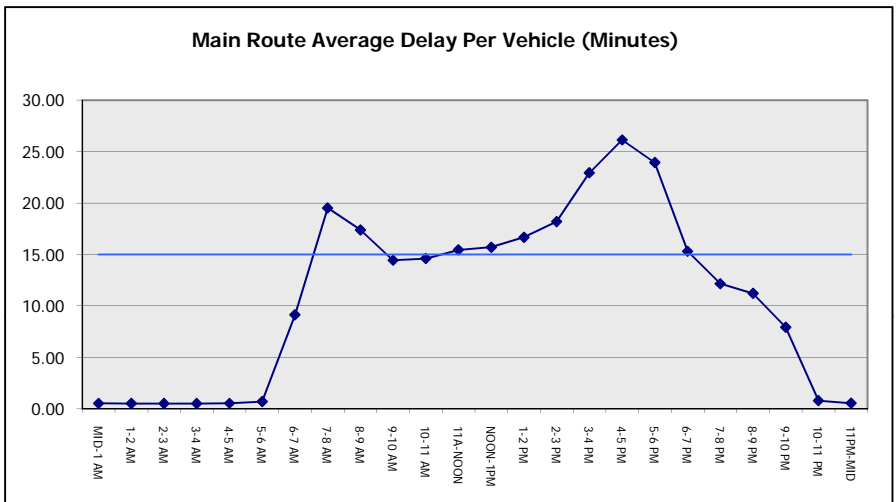
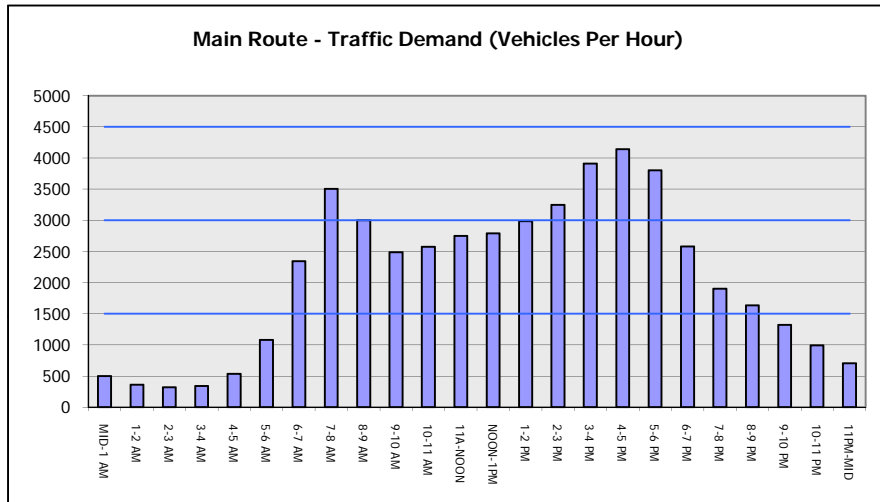
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$221,708
CONGESTED HOURS PER DAY*	10

*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

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) CONTINUOUS (24 HOUR) 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		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	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	1499	1220	0	639	0.83	0	69.2	55.8	36.3	32.1	32.1
6-7 AM	2774	0.0	1454	0.0	1500	1922	852	2307+	13.41	345	67.3	14.2	30.8	28.7	25.2
7-8 AM	3498	0.0	1834	0.0	1499	1582	1916	3751+	19.87	495	66.4	10.2	30.8	27.1	19.1
8-9 AM	2750	0.0	1443	0.0	1500	1359	1390	2833+	16.01	394	67.3	12.2	30.8	28.8	23.0
9-10 AM	2482	0.0	1302	0.0	1499	1479	1003	2305+	14.32	347	67.6	13.4	30.8	29.4	25.2
10-11 AM	2545	0.0	1334	0.0	1499	1514	1031	2365+	14.49	352	67.6	13.3	30.8	29.2	24.9
11A-NOON	2757	0.0	1445	0.0	1499	1527	1229	2674+	15.46	378	67.3	12.6	30.8	28.8	23.7
NOON-1PM	2796	0.0	1467	0.0	1500	1505	1291	2758+	15.75	385	67.3	12.4	30.8	28.7	23.3
1-2 PM	2950	0.0	1547	0.0	1499	1527	1424	2970+	16.50	405	67.1	11.9	30.8	28.3	22.4
2-3 PM	3200	0.0	1678	0.0	1499	1545	1655	3333+	17.94	443	66.8	11.1	30.8	27.8	20.9
3-4 PM	3497	0.0	1834	0.0	1500	1567	1929	3764+	19.94	497	66.4	10.2	30.8	27.1	19.1
4-5 PM	4012	0.0	2103	0.0	1500	1616	2396	4499+	24.27	615	63.5	8.6	30.8	26.0	16.0
5-6 PM	3679	0.0	1929	0.0	1500	1357	2322	4250+	22.70	572	65.7	9.1	30.8	26.8	17.1
6-7 PM	2604	0.0	1367	0.0	1500	1337	1267	2634+	15.34	377	67.5	12.7	30.8	29.1	23.8
7-8 PM	1983	0.0	1040	0.0	1499	1447	535	1576+	12.43	297	68.2	15.0	30.8	30.4	28.2
8-9 PM	1650	0.0	865	0.0	1499	1475	175	1040	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

+ 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	0.0167
DIVERSION	0.4868

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$214,035
CONGESTED HOURS PER DAY*	10

*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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

