

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	448	0.0	234	0.0	OFF	448	0	234	0.00	0	70.2	70.2	70.2	33.8	33.8
1-2 AM	297	0.0	156	0.0	OFF	297	0	156	0.00	0	70.2	70.2	70.2	34.2	34.2
2-3 AM	253	0.0	133	0.0	OFF	253	0	133	0.00	0	70.2	70.2	70.2	34.2	34.2
3-4 AM	196	0.0	103	0.0	OFF	196	0	103	0.00	0	70.2	70.2	70.2	34.3	34.3
4-5 AM	180	0.0	94	0.0	OFF	180	0	94	0.00	0	70.2	70.2	70.2	34.4	34.4
5-6 AM	291	0.0	153	0.0	OFF	291	0	153	0.00	0	70.2	70.2	70.2	34.2	34.2
6-7 AM	460	0.0	241	0.0	OFF	460	0	241	0.00	0	70.2	70.2	70.2	33.8	33.8
7-8 AM	768	0.0	403	0.0	OFF	768	0	403	0.00	0	69.8	69.8	69.8	33.1	33.1
8-9 AM	1229	0.0	645	0.0	OFF	1229	0	645	0.00	0	69.2	69.2	69.2	32.1	32.1
9-10 AM	1863	0.0	977	0.0	1499	1863	0	977	5.20	141	68.4	27.6	30.8	30.7	30.7
10-11 AM	2527	0.0	1325	0.0	1499	1501	1026	2351+	14.45	351	67.6	13.4	30.8	29.2	25.0
11A-NOON	2754	0.0	1444	0.0	1500	1520	1234	2678+	15.48	378	67.3	12.6	30.8	28.8	23.6
NOON-1PM	2757	0.0	1445	0.0	1500	1497	1260	2705+	15.57	380	67.3	12.5	30.8	28.8	23.5
1-2 PM	2780	0.0	1458	0.0	1500	1504	1277	2734+	15.66	383	67.3	12.5	30.8	28.7	23.4
2-3 PM	2817	0.0	1478	0.0	1500	1505	1312	2790+	15.85	388	67.3	12.4	30.8	28.6	23.2
3-4 PM	2844	0.0	1491	0.0	1500	1505	1340	2831+	16.00	392	67.2	12.2	30.8	28.6	23.0
4-5 PM	2931	0.0	1537	0.0	1499	1506	1425	2962+	16.47	404	67.1	12.0	30.8	28.4	22.4
5-6 PM	2572	0.0	1349	0.0	1500	1448	1125	2474+	14.83	361	67.6	13.0	30.8	29.2	24.5
6-7 PM	2270	0.0	1190	0.0	1499	1467	803	1992+	13.45	324	67.9	14.1	30.8	29.8	26.5
7-8 PM	1895	0.0	994	0.0	OFF	1895	0	994	0.14	12	68.4	65.7	65.7	30.6	30.6
8-9 PM	1482	0.0	776	0.0	OFF	1482	0	776	0.00	0	68.9	68.9	68.9	31.5	31.5
9-10 PM	1129	0.0	592	0.0	OFF	1129	0	592	0.00	0	69.3	69.3	69.3	32.3	32.3
10-11 PM	747	0.0	391	0.0	OFF	747	0	391	0.00	0	69.8	69.8	69.8	33.2	33.2
11PM-MID	548	0.0	287	0.0	OFF	548	0	287	0.00	0	70.0	70.0	70.0	33.6	33.6

"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	0.0230
MAIN ROUTE WITH WORKS	0.0151
DIVERSION	0.3112

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$131,708
CONGESTED HOURS PER DAY*	6

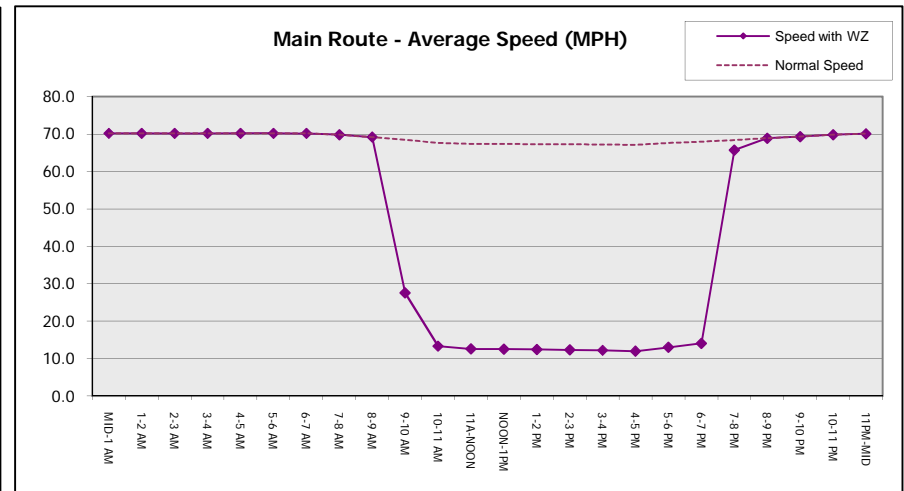
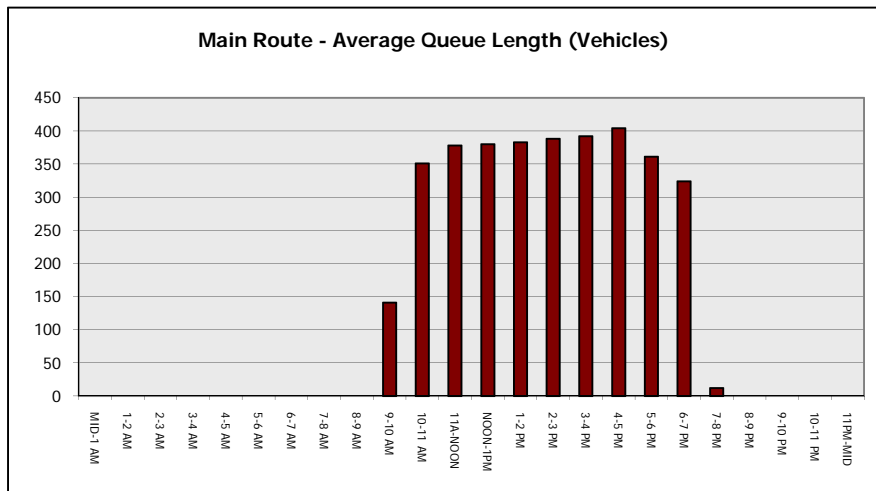
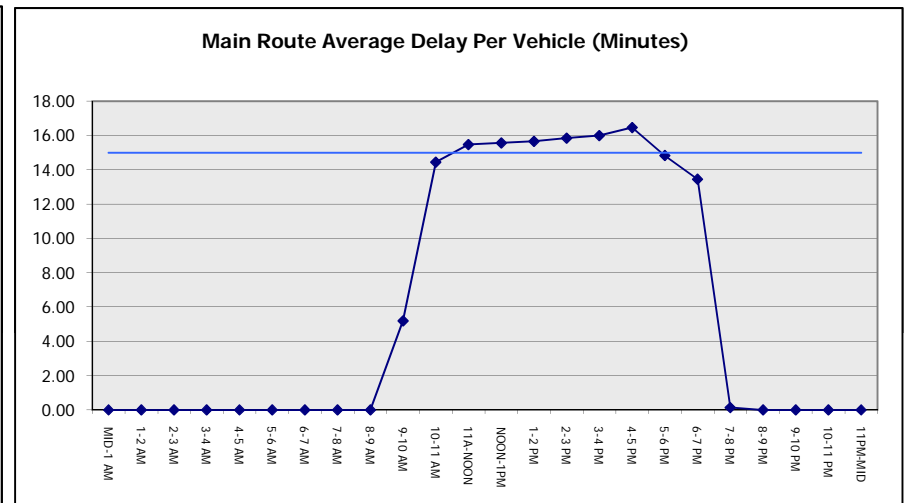
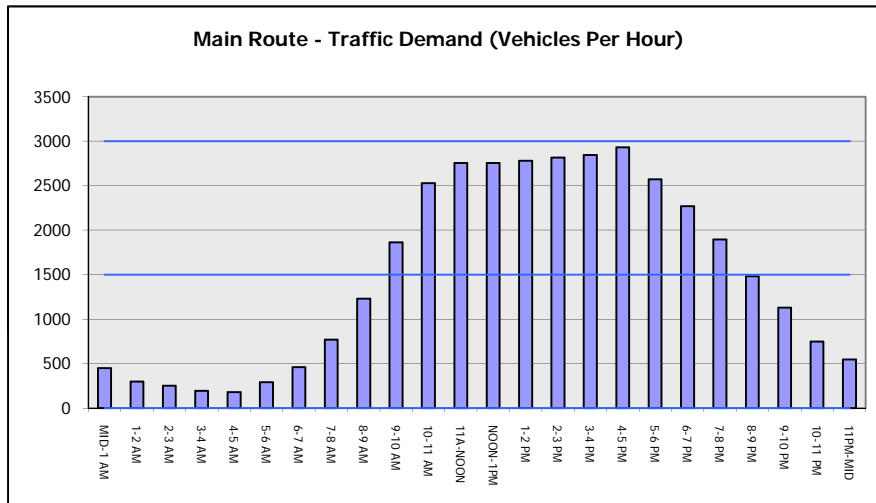
*Delays Exceeding 15 Minutes

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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION



IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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	405	0.0	212	0.0	OFF	405	0	212	0.00	0	70.2	70.2	70.2	33.9	33.9
1-2 AM	272	0.0	142	0.0	OFF	272	0	142	0.00	0	70.2	70.2	70.2	34.2	34.2
2-3 AM	212	0.0	111	0.0	OFF	212	0	111	0.00	0	70.2	70.2	70.2	34.3	34.3
3-4 AM	169	0.0	88	0.0	OFF	169	0	88	0.00	0	70.2	70.2	70.2	34.4	34.4
4-5 AM	175	0.0	92	0.0	OFF	175	0	92	0.00	0	70.2	70.2	70.2	34.4	34.4
5-6 AM	271	0.0	141	0.0	OFF	271	0	141	0.00	0	70.2	70.2	70.2	34.2	34.2
6-7 AM	500	0.0	263	0.0	OFF	500	0	263	0.00	0	70.1	70.1	70.1	33.7	33.7
7-8 AM	736	0.0	386	0.0	OFF	736	0	386	0.00	0	69.8	69.8	69.8	33.2	33.2
8-9 AM	1235	0.0	648	0.0	OFF	1235	0	648	0.00	0	69.2	69.2	69.2	32.1	32.1
9-10 AM	1748	0.0	917	0.0	1499	1748	0	917	3.78	89	68.6	33.0	30.8	31.0	31.0
10-11 AM	2330	0.0	1222	0.0	1499	1595	735	1958+	13.36	323	67.8	14.2	30.8	29.7	26.6
11A-NOON	2875	0.0	1508	0.0	1500	1568	1307	2815+	15.94	391	67.1	12.3	30.8	28.5	23.0
NOON-1PM	3112	0.0	1631	0.0	1500	1527	1585	3216+	17.45	430	66.9	11.4	30.8	28.0	21.4
1-2 PM	3107	0.0	1628	0.0	1500	1498	1609	3237+	17.54	433	66.9	11.4	30.8	28.0	21.3
2-3 PM	3281	0.0	1720	0.0	1499	1531	1750	3470+	18.53	459	66.6	10.9	30.8	27.6	20.3
3-4 PM	3284	0.0	1721	0.0	1500	1495	1789	3510+	18.72	464	66.6	10.7	30.8	27.6	20.2
4-5 PM	3229	0.0	1693	0.0	1500	1488	1741	3434+	18.37	455	66.7	10.9	30.8	27.7	20.5
5-6 PM	3148	0.0	1650	0.0	1500	1481	1667	3317+	17.87	442	66.8	11.2	30.8	27.9	20.9
6-7 PM	2834	0.0	1486	0.0	1500	1446	1388	2874+	16.15	396	67.2	12.2	30.8	28.6	22.8
7-8 PM	2284	0.0	1197	0.0	OFF	2284	0	1197	0.22	19	67.9	64.0	64.0	29.8	29.8
8-9 PM	1828	0.0	959	0.0	OFF	1828	0	959	0.00	0	68.4	68.4	68.4	30.8	30.8
9-10 PM	1382	0.0	725	0.0	OFF	1382	0	725	0.00	0	69.0	69.0	69.0	31.7	31.7
10-11 PM	980	0.0	514	0.0	OFF	980	0	514	0.00	0	69.5	69.5	69.5	32.7	32.7
11PM-MID	610	0.0	320	0.0	OFF	610	0	320	0.00	0	70.0	70.0	70.0	33.5	33.5

"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	0.0255
MAIN ROUTE WITH WORKS	0.0158
DIVERSION	0.3621

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$163,999
CONGESTED HOURS PER DAY*	8

*Delays Exceeding 15 Minutes

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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

