

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	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	1500	448	0	234	0.53	0	70.2	60.8	43.7	33.8	33.8
1-2 AM	297	0.0	156	0.0	1500	297	0	156	0.51	0	70.2	61.1	44.3	34.2	34.2
2-3 AM	253	0.0	133	0.0	1500	253	0	133	0.50	0	70.2	61.2	44.5	34.2	34.2
3-4 AM	196	0.0	103	0.0	1500	196	0	103	0.50	0	70.2	61.3	44.7	34.3	34.3
4-5 AM	180	0.0	94	0.0	1500	180	0	94	0.49	0	70.2	61.3	44.8	34.4	34.4
5-6 AM	291	0.0	153	0.0	1500	291	0	153	0.51	0	70.2	61.1	44.3	34.2	34.2
6-7 AM	460	0.0	241	0.0	1500	460	0	241	0.53	0	70.2	60.8	43.7	33.8	33.8
7-8 AM	768	0.0	403	0.0	1500	768	0	403	0.56	0	69.8	60.0	42.5	33.1	33.1
8-9 AM	1229	0.0	645	0.0	1499	1229	0	645	0.75	0	69.2	56.9	37.6	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	1500	1465	430	1424+	12.08	288	68.4	15.4	30.8	30.6	28.8
8-9 PM	1482	0.0	776	0.0	1500	1424	59	835	10.50	246	68.9	17.1	30.8	31.5	31.3
9-10 PM	1129	0.0	592	0.0	1499	1129	0	592	2.46	71	69.3	40.6	37.3	32.3	32.3
10-11 PM	747	0.0	391	0.0	1500	747	0	391	0.56	0	69.8	60.1	42.6	33.2	33.2
11PM-MID	548	0.0	287	0.0	1500	548	0	287	0.54	0	70.0	60.5	43.3	33.6	33.6

+ 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	0.0230
MAIN ROUTE WITH WORKS	0.0141
DIVERSION	0.3164

PIA: Personal Injury Accidents

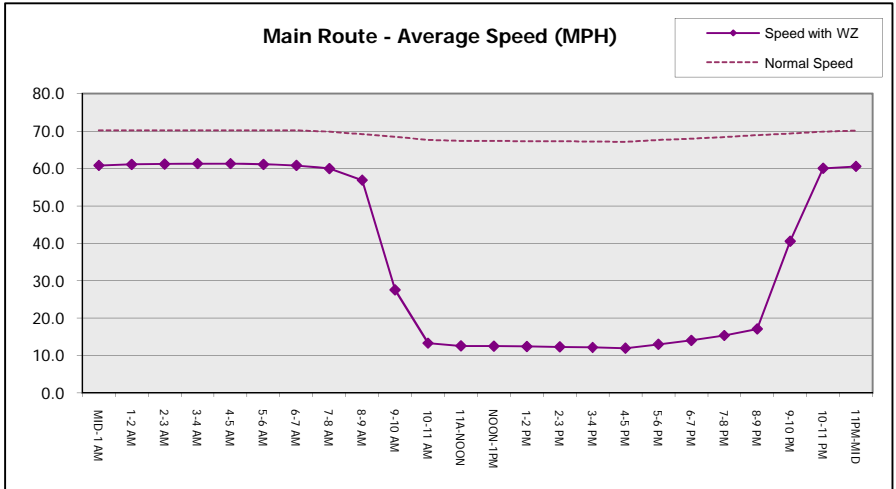
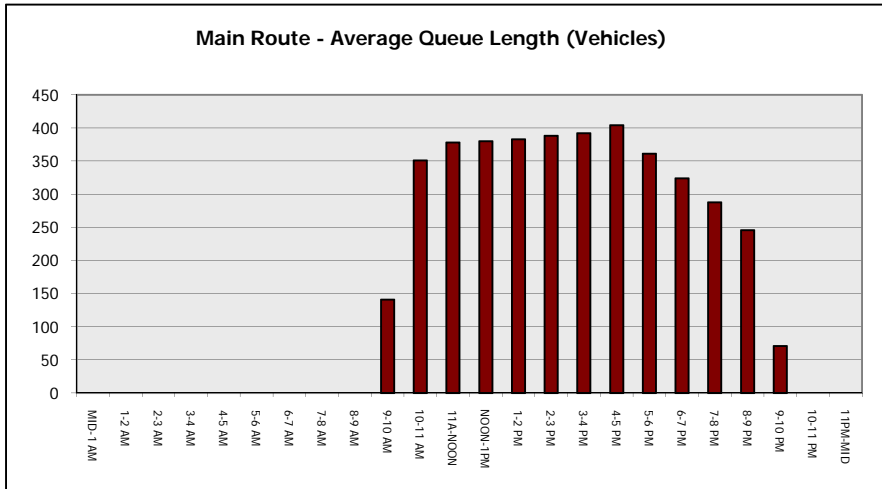
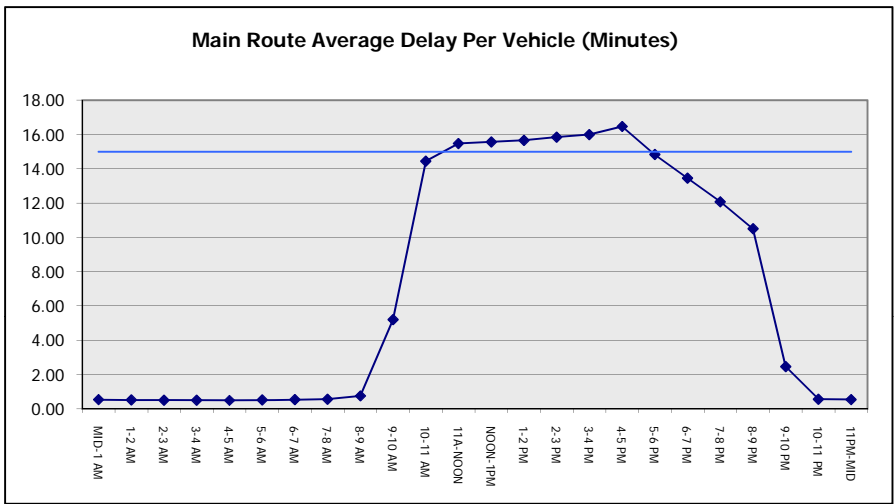
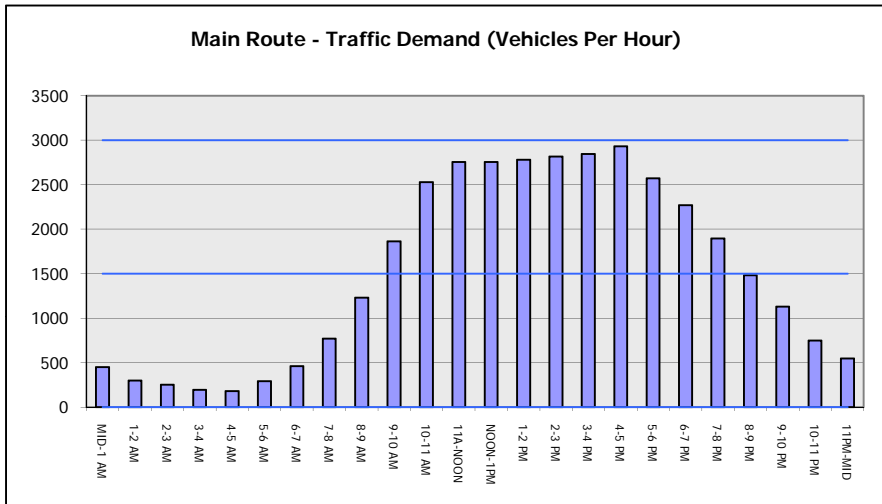
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$145,658
CONGESTED HOURS PER DAY*	6

*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

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) CONTINUOUS (24 HOUR) 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	1500	405	0	212	0.52	0	70.2	60.9	43.9	33.9	33.9
1-2 AM	272	0.0	142	0.0	1500	272	0	142	0.51	0	70.2	61.1	44.4	34.2	34.2
2-3 AM	212	0.0	111	0.0	1500	212	0	111	0.50	0	70.2	61.2	44.6	34.3	34.3
3-4 AM	169	0.0	88	0.0	1500	169	0	88	0.49	0	70.2	61.4	44.8	34.4	34.4
4-5 AM	175	0.0	92	0.0	1500	175	0	92	0.49	0	70.2	61.3	44.8	34.4	34.4
5-6 AM	271	0.0	141	0.0	1500	271	0	141	0.51	0	70.2	61.1	44.4	34.2	34.2
6-7 AM	500	0.0	263	0.0	1500	500	0	263	0.53	0	70.1	60.7	43.5	33.7	33.7
7-8 AM	736	0.0	386	0.0	1500	736	0	386	0.56	0	69.8	60.1	42.6	33.2	33.2
8-9 AM	1235	0.0	648	0.0	1499	1235	0	648	0.75	0	69.2	56.9	37.6	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	1500	1436	848	2045+	13.59	329	67.9	14.0	30.8	29.8	26.3
8-9 PM	1828	0.0	959	0.0	1499	1460	368	1327+	11.87	282	68.4	15.6	30.8	30.8	29.2
9-10 PM	1382	0.0	725	0.0	1499	1358	24	750	9.30	219	69.0	18.8	30.9	31.7	31.7
10-11 PM	980	0.0	514	0.0	1500	980	0	514	1.11	20	69.5	52.5	41.0	32.7	32.7
11PM-MID	610	0.0	320	0.0	1500	610	0	320	0.54	0	70.0	60.4	43.1	33.5	33.5

+ 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	0.0144
DIVERSION	0.3751

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$186,123
CONGESTED HOURS PER DAY*	8

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) 2 LANE CLOSURE
DIVERSION ROUTE: BELTLINE - USH 51 - STH 30

MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

