

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

SATURDAY 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	655	0.0	343	0.0	1500	655	0	343	0.55	0	69.9	60.2	42.9	33.3	33.3
1-2 AM	431	0.0	226	0.0	1500	431	0	226	0.53	0	70.2	60.9	43.8	33.8	33.8
2-3 AM	354	0.0	186	0.0	1500	354	0	186	0.52	0	70.2	61.0	44.1	34.0	34.0
3-4 AM	323	0.0	170	0.0	1500	323	0	170	0.51	0	70.2	61.0	44.2	34.1	34.1
4-5 AM	363	0.0	190	0.0	1500	363	0	190	0.52	0	70.2	61.0	44.0	34.0	34.0
5-6 AM	632	0.0	332	0.0	1500	632	0	332	0.55	0	69.9	60.3	43.0	33.4	33.4
6-7 AM	1119	0.0	587	0.0	1499	1119	0	587	0.68	0	69.4	57.9	39.2	32.4	32.4
7-8 AM	1767	0.0	926	0.0	1499	1767	0	926	3.96	96	68.6	32.2	30.8	30.9	30.9
8-9 AM	2297	0.0	1204	0.0	1499	1569	728	1932+	13.29	321	67.9	14.3	30.8	29.7	26.7
9-10 AM	2678	0.0	1404	0.0	1500	1545	1134	2538+	15.02	366	67.4	12.9	30.8	28.9	24.2
10-11 AM	2989	0.0	1568	0.0	1500	1541	1448	3016+	16.67	410	67.0	11.9	30.8	28.3	22.2
11A-NOON	3087	0.0	1619	0.0	1500	1509	1579	3197+	17.37	428	66.9	11.4	30.8	28.0	21.5
NOON-1PM	3036	0.0	1592	0.0	1500	1488	1547	3139+	17.14	422	66.9	11.6	30.8	28.1	21.7
1-2 PM	2950	0.0	1547	0.0	1500	1485	1465	3011+	16.65	409	67.1	11.9	30.8	28.3	22.2
2-3 PM	2817	0.0	1478	0.0	1500	1482	1335	2813+	15.93	390	67.3	12.3	30.8	28.6	23.0
3-4 PM	2795	0.0	1465	0.0	1499	1496	1299	2764+	15.77	386	67.3	12.4	30.8	28.7	23.3
4-5 PM	2613	0.0	1370	0.0	1500	1473	1140	2510+	14.94	364	67.5	13.0	30.8	29.1	24.3
5-6 PM	2305	0.0	1209	0.0	1500	1464	841	2049+	13.60	329	67.9	14.0	30.8	29.7	26.3
6-7 PM	1955	0.0	1024	0.0	1500	1467	488	1512+	12.28	293	68.3	15.2	30.8	30.5	28.5
7-8 PM	1658	0.0	870	0.0	1500	1476	182	1052	11.30	267	68.7	16.2	30.8	31.2	30.4
8-9 PM	1381	0.0	724	0.0	1499	1376	6	730	9.05	211	69.0	19.2	30.8	31.7	31.7
9-10 PM	1215	0.0	637	0.0	1499	1215	0	637	1.88	41	69.2	44.9	36.5	32.1	32.1
10-11 PM	933	0.0	489	0.0	1500	933	0	489	0.58	0	69.6	59.6	41.9	32.7	32.7
11PM-MID	706	0.0	370	0.0	1500	706	0	370	0.56	0	69.9	60.1	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	0.0261
MAIN ROUTE WITH WORKS	0.0159
DIVERSION	0.3639

PIA: Personal Injury Accidents

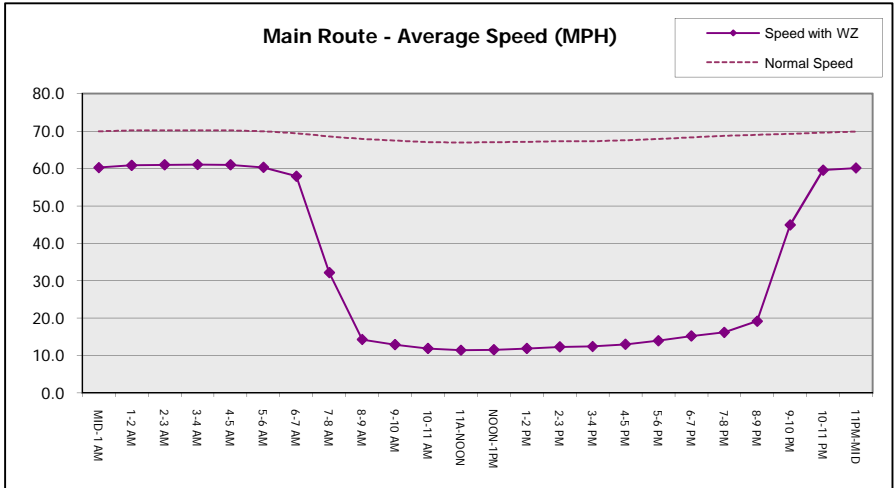
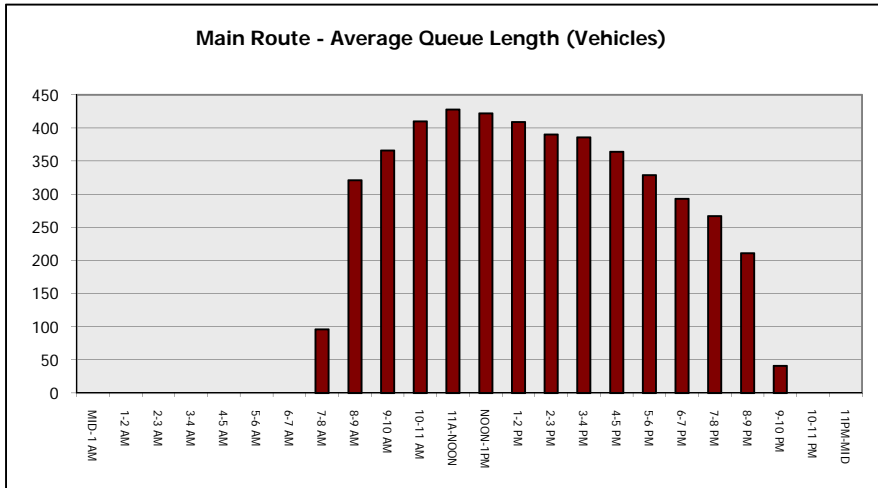
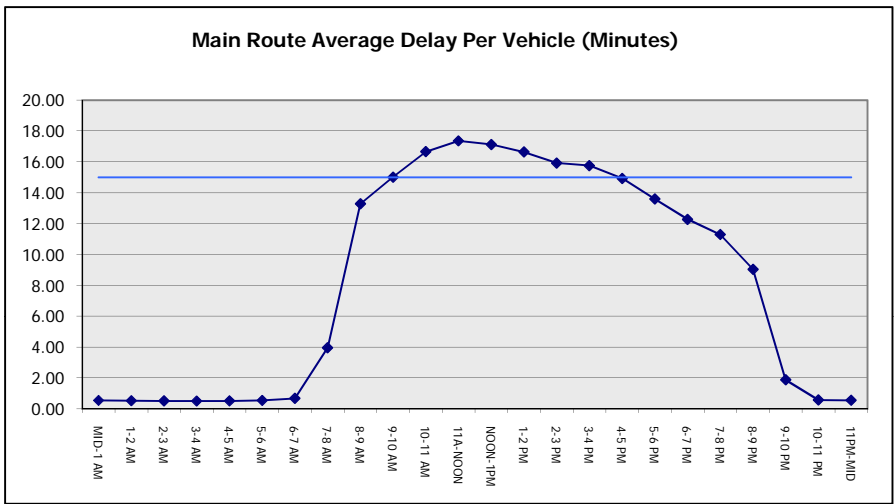
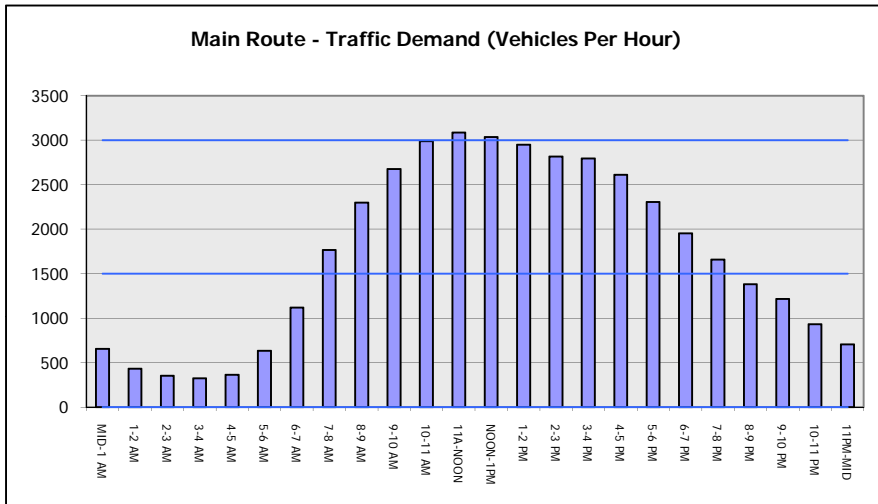
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$165,604
CONGESTED HOURS PER DAY*	7

*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
SATURDAY 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

SATURDAY 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	536	0.0	280	0.0	1500	536	0	280	0.54	0	70.0	60.5	43.3	33.6	33.6
1-2 AM	345	0.0	181	0.0	1500	345	0	181	0.51	0	70.2	61.0	44.1	34.0	34.0
2-3 AM	304	0.0	159	0.0	1500	304	0	159	0.51	0	70.2	61.0	44.3	34.1	34.1
3-4 AM	289	0.0	152	0.0	1500	289	0	152	0.51	0	70.2	61.1	44.3	34.2	34.2
4-5 AM	324	0.0	170	0.0	1500	324	0	170	0.51	0	70.2	61.0	44.2	34.1	34.1
5-6 AM	447	0.0	234	0.0	1500	447	0	234	0.53	0	70.2	60.8	43.7	33.8	33.8
6-7 AM	803	0.0	421	0.0	1500	803	0	421	0.57	0	69.7	59.9	42.4	33.0	33.0
7-8 AM	1321	0.0	693	0.0	1499	1321	0	693	0.86	0	69.1	55.4	35.3	31.9	31.9
8-9 AM	1804	0.0	946	0.0	1499	1804	0	946	4.98	126	68.5	28.3	30.8	30.9	30.9
9-10 AM	2139	0.0	1122	0.0	1499	1511	628	1749+	12.84	308	68.1	14.7	30.8	30.1	27.5
10-11 AM	2441	0.0	1280	0.0	1499	1531	910	2189+	13.99	339	67.7	13.7	30.8	29.4	25.6
11A-NOON	2588	0.0	1357	0.0	1500	1515	1073	2430+	14.69	357	67.5	13.2	30.8	29.1	24.7
NOON-1PM	2681	0.0	1405	0.0	1500	1508	1173	2578+	15.15	369	67.4	12.9	30.8	28.9	24.0
1-2 PM	2595	0.0	1360	0.0	1500	1487	1108	2468+	14.81	360	67.5	13.0	30.8	29.1	24.5
2-3 PM	2545	0.0	1334	0.0	1500	1494	1050	2384+	14.55	353	67.6	13.2	30.8	29.2	24.8
3-4 PM	2499	0.0	1310	0.0	1500	1495	1004	2314+	14.35	348	67.6	13.4	30.8	29.3	25.2
4-5 PM	2470	0.0	1295	0.0	1499	1494	976	2271+	14.22	345	67.7	13.5	30.8	29.4	25.3
5-6 PM	2251	0.0	1180	0.0	1500	1473	778	1959+	13.37	322	67.9	14.2	30.8	29.9	26.6
6-7 PM	1880	0.0	986	0.0	1500	1466	414	1400+	12.03	287	68.4	15.5	30.8	30.7	28.9
7-8 PM	1607	0.0	842	0.0	1499	1480	127	970	11.14	263	68.7	16.4	30.8	31.2	30.7
8-9 PM	1460	0.0	765	0.0	1499	1453	7	772	10.35	242	68.9	17.3	30.8	31.6	31.5
9-10 PM	1289	0.0	675	0.0	1499	1289	0	675	4.96	118	69.1	28.4	32.5	32.0	32.0
10-11 PM	1059	0.0	556	0.0	1500	1059	0	556	0.60	0	69.4	59.2	41.3	32.5	32.5
11PM-MID	728	0.0	381	0.0	1500	728	0	381	0.56	0	69.8	60.1	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	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	0.0232
MAIN ROUTE WITH WORKS	0.0155
DIVERSION	0.2969

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$129,087
CONGESTED HOURS PER DAY*	1

*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
SATURDAY EASTBOUND DIRECTION

