

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY) NIGHTTIME 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	OFF	2297	0	1204+	0.11	9	67.9	65.8	65.8	29.7	29.7
9-10 AM	2678	0.0	1404	0.0	OFF	2678	0	1404+	0.00	0	67.4	67.4	67.4	28.9	28.9
10-11 AM	2989	0.0	1568	0.0	OFF	2989	0	1568+	0.00	0	67.0	67.0	67.0	28.3	28.3
11A-NOON	3087	0.0	1619	0.0	OFF	3087	0	1619+	0.00	0	66.9	66.9	66.9	28.0	28.0
NOON-1PM	3036	0.0	1592	0.0	OFF	3036	0	1592+	0.00	0	66.9	66.9	66.9	28.1	28.1
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	2817	0.0	1478	0.0	OFF	2817	0	1478+	0.00	0	67.3	67.3	67.3	28.6	28.6
3-4 PM	2795	0.0	1465	0.0	OFF	2795	0	1465+	0.00	0	67.3	67.3	67.3	28.7	28.7
4-5 PM	2613	0.0	1370	0.0	OFF	2613	0	1370+	0.00	0	67.5	67.5	67.5	29.1	29.1
5-6 PM	2305	0.0	1209	0.0	OFF	2305	0	1209+	0.00	0	67.9	67.9	67.9	29.7	29.7
6-7 PM	1955	0.0	1024	0.0	1499	1783	172	1197	8.39	208	68.3	20.2	30.8	30.5	29.8
7-8 PM	1658	0.0	870	0.0	1500	1480	179	1048	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

"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	0.0261
MAIN ROUTE WITH WORKS	0.0251
DIVERSION	0.2294

PIA: Personal Injury Accidents

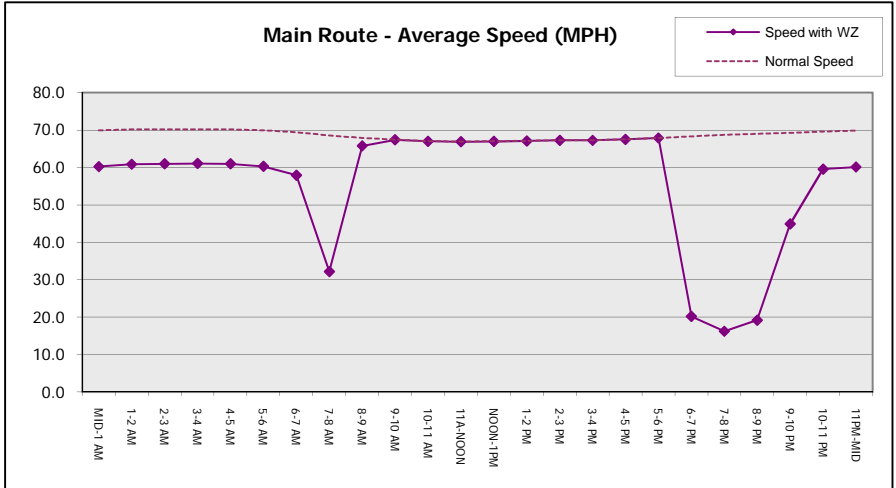
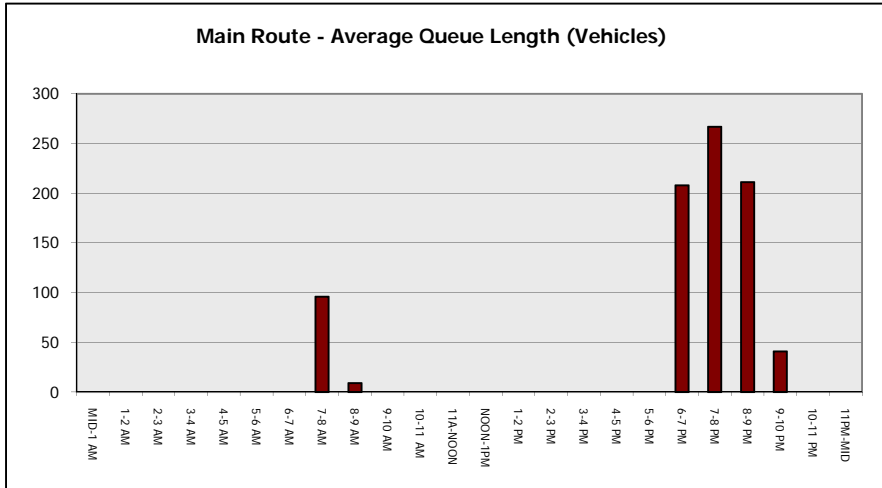
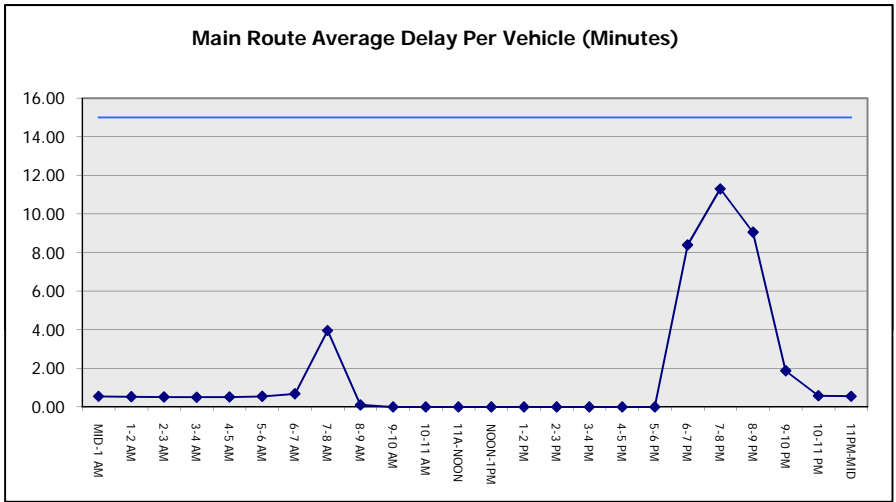
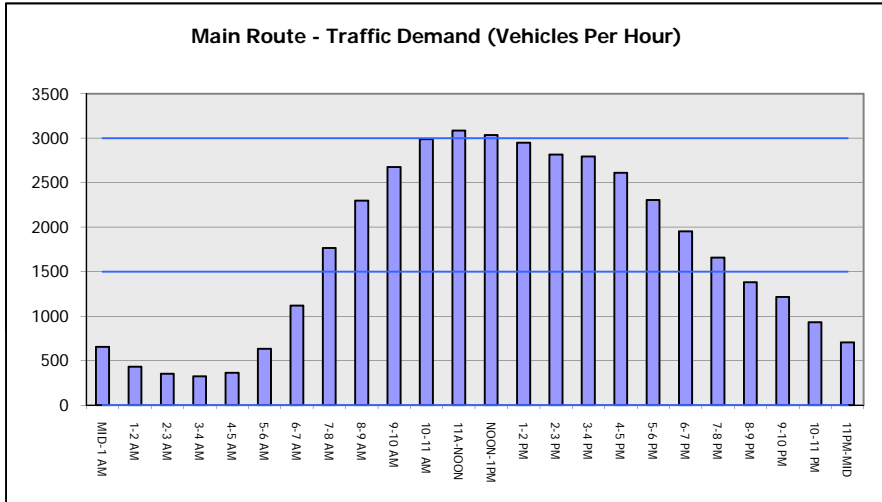
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$16,542
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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NIGHTTIME 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) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	MAY Analyzed for 2009 Construction Season
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SUMMARY OF TRAFFIC MODEL OUTPUT	
SATURDAY	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	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	OFF	1804	0	946	0.00	0	68.5	68.5	68.5	30.9	30.9
9-10 AM	2139	0.0	1122	0.0	OFF	2139	0	1122	0.00	0	68.1	68.1	68.1	30.1	30.1
10-11 AM	2441	0.0	1280	0.0	OFF	2441	0	1280+	0.00	0	67.7	67.7	67.7	29.4	29.4
11A-NOON	2588	0.0	1357	0.0	OFF	2588	0	1357+	0.00	0	67.5	67.5	67.5	29.1	29.1
NOON-1PM	2681	0.0	1405	0.0	OFF	2681	0	1405+	0.00	0	67.4	67.4	67.4	28.9	28.9
1-2 PM	2595	0.0	1360	0.0	OFF	2595	0	1360+	0.00	0	67.5	67.5	67.5	29.1	29.1
2-3 PM	2545	0.0	1334	0.0	OFF	2545	0	1334+	0.00	0	67.6	67.6	67.6	29.2	29.2
3-4 PM	2499	0.0	1310	0.0	OFF	2499	0	1310+	0.00	0	67.6	67.6	67.6	29.3	29.3
4-5 PM	2470	0.0	1295	0.0	OFF	2470	0	1295+	0.00	0	67.7	67.7	67.7	29.4	29.4
5-6 PM	2251	0.0	1180	0.0	OFF	2251	0	1180	0.00	0	67.9	67.9	67.9	29.9	29.9
6-7 PM	1880	0.0	986	0.0	1499	1779	101	1087	7.70	192	68.4	21.4	30.8	30.7	30.2
7-8 PM	1607	0.0	842	0.0	1500	1481	126	969	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

"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	0.0232
MAIN ROUTE WITH WORKS	0.0222
DIVERSION	0.2025

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$15,815
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

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

