

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	OCTOBER
	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	482	0.0	253	0.0	3000	482	0	253	0.36	0	70.1	63.5	49.7	33.7	33.7
1-2 AM	340	0.0	178	0.0	3000	340	0	178	0.36	0	70.2	63.5	49.7	34.0	34.0
2-3 AM	306	0.0	160	0.0	3000	306	0	160	0.36	0	70.2	63.5	49.7	34.1	34.1
3-4 AM	239	0.0	126	0.0	3000	239	0	126	0.36	0	70.2	63.5	49.7	34.3	34.3
4-5 AM	200	0.0	105	0.0	3000	200	0	105	0.36	0	70.2	63.5	49.7	34.3	34.3
5-6 AM	325	0.0	171	0.0	3000	325	0	171	0.36	0	70.2	63.5	49.7	34.1	34.1
6-7 AM	478	0.0	250	0.0	3000	478	0	250	0.36	0	70.1	63.5	49.7	33.7	33.7
7-8 AM	820	0.0	430	0.0	3000	820	0	430	0.35	0	69.7	63.2	49.7	33.0	33.0
8-9 AM	1241	0.0	651	0.0	3000	1241	0	651	0.35	0	69.2	62.9	49.7	32.0	32.0
9-10 AM	1798	0.0	943	0.0	3000	1798	0	943	0.34	0	68.5	62.5	49.7	30.9	30.9
10-11 AM	2467	0.0	1293	0.0	2999	2467	0	1293+	0.40	0	67.7	60.8	46.9	29.4	29.4
11A-NOON	3009	0.0	1578	0.0	2999	3009	0	1578+	0.90	11	67.0	53.5	37.8	28.2	28.2
NOON-1PM	3150	0.0	1651	0.0	3000	3150	0	1651+	2.78	117	66.8	37.7	37.3	27.9	27.9
1-2 PM	3157	0.0	1655	0.0	2999	3157	0	1655+	5.67	276	66.8	25.9	37.3	27.9	27.9
2-3 PM	3124	0.0	1638	0.0	2999	3124	0	1638+	8.23	415	66.9	20.3	37.3	27.9	27.9
3-4 PM	3175	0.0	1665	0.0	3000	3175	0	1665+	10.87	562	66.8	16.6	37.3	27.8	27.8
4-5 PM	3220	0.0	1688	0.0	2999	3023	197	1885+	13.11	683	66.8	14.3	37.3	27.8	27.0
5-6 PM	2771	0.0	1454	0.0	2999	2744	27	1481+	10.89	565	67.3	16.6	37.3	28.7	28.6
6-7 PM	2307	0.0	1210	0.0	2999	2307	0	1210+	2.18	149	67.9	42.0	45.2	29.7	29.7
7-8 PM	1798	0.0	943	0.0	3000	1798	0	943	0.34	0	68.5	62.5	49.7	30.9	30.9
8-9 PM	1316	0.0	690	0.0	3000	1316	0	690	0.35	0	69.1	62.8	49.7	31.9	31.9
9-10 PM	1001	0.0	524	0.0	3000	1001	0	524	0.35	0	69.5	63.1	49.7	32.6	32.6
10-11 PM	707	0.0	370	0.0	3000	707	0	370	0.36	0	69.9	63.3	49.7	33.2	33.2
11PM-MID	503	0.0	264	0.0	3000	503	0	264	0.36	0	70.1	63.5	49.7	33.7	33.7

+ 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	0.0242
MAIN ROUTE WITH WORKS	0.0215
DIVERSION	0.2108

PIA: Personal Injury Accidents

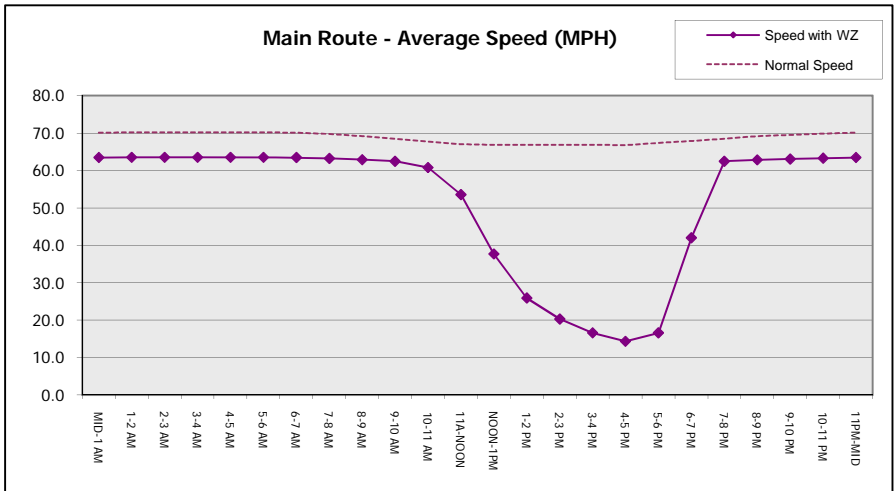
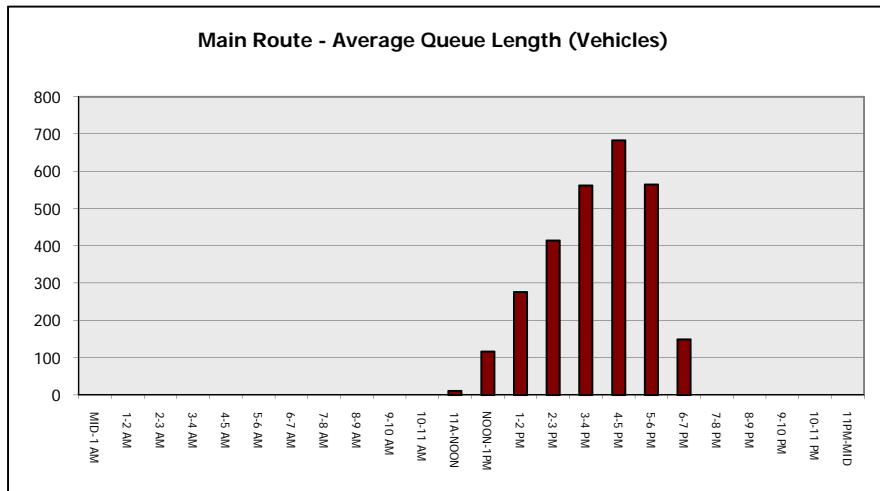
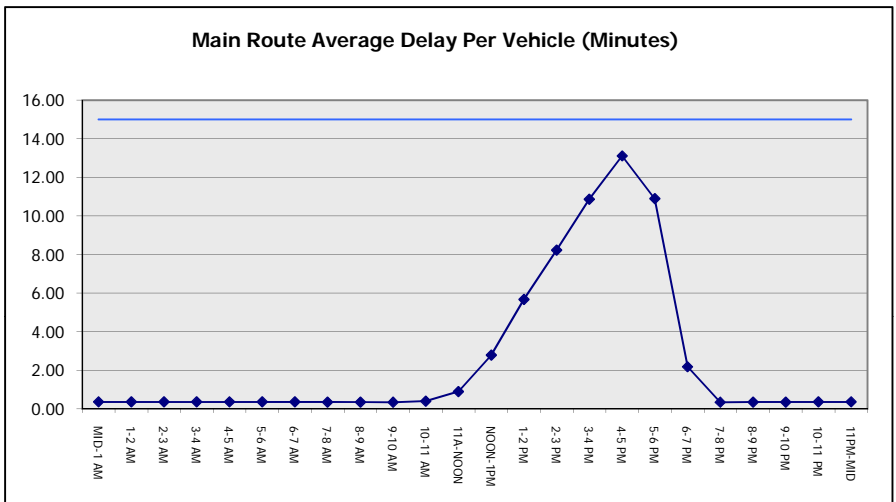
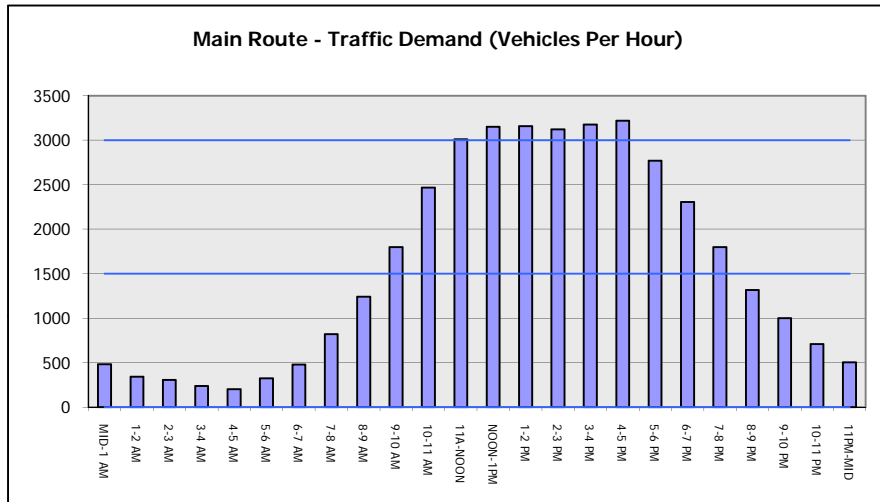
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$52,173
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: BELTLINE - USH 51 - STH 30

OCTOBER
 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) CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	OCTOBER
	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						
	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	486	0.0	254	0.0	3000	486	0	254	0.36	0	70.1	63.5	49.7	33.7	33.7
1-2 AM	316	0.0	165	0.0	3000	316	0	165	0.36	0	70.2	63.5	49.7	34.1	34.1
2-3 AM	264	0.0	138	0.0	3000	264	0	138	0.36	0	70.2	63.5	49.7	34.2	34.2
3-4 AM	190	0.0	99	0.0	3000	190	0	99	0.36	0	70.2	63.5	49.7	34.3	34.3
4-5 AM	202	0.0	106	0.0	3000	202	0	106	0.36	0	70.2	63.5	49.7	34.3	34.3
5-6 AM	255	0.0	134	0.0	3000	255	0	134	0.36	0	70.2	63.5	49.7	34.2	34.2
6-7 AM	494	0.0	260	0.0	3000	494	0	260	0.36	0	70.1	63.5	49.7	33.7	33.7
7-8 AM	722	0.0	378	0.0	3000	722	0	378	0.35	0	69.9	63.3	49.7	33.2	33.2
8-9 AM	1175	0.0	615	0.0	3000	1175	0	615	0.35	0	69.3	63.0	49.7	32.2	32.2
9-10 AM	1873	0.0	983	0.0	3000	1873	0	983	0.34	0	68.4	62.4	49.7	30.7	30.7
10-11 AM	2545	0.0	1334	0.0	2999	2545	0	1334+	0.43	0	67.6	60.2	46.0	29.2	29.2
11A-NOON	3199	0.0	1677	0.0	2999	3199	0	1677+	1.84	70	66.8	44.1	37.3	27.8	27.8
NOON-1PM	3486	0.0	1828	0.0	3000	3486	0	1828+	7.99	427	66.4	20.7	37.3	27.1	27.1
1-2 PM	3665	0.0	1921	0.0	2999	3126	539	2460+	14.75	777	65.8	13.4	37.3	26.8	24.7
2-3 PM	3819	0.0	2002	0.0	3000	3044	775	2777+	15.79	837	64.8	12.9	37.3	26.5	23.5
3-4 PM	3901	0.0	2046	0.0	3000	3021	880	2926+	16.33	868	64.2	12.7	37.3	26.3	23.0
4-5 PM	3892	0.0	2041	0.0	3000	2979	914	2954+	16.44	875	64.3	12.7	37.3	26.3	22.9
5-6 PM	3459	0.0	1813	0.0	2999	2863	596	2410+	14.63	768	66.4	13.4	37.3	27.2	24.9
6-7 PM	3044	0.0	1596	0.0	3000	2881	162	1758+	12.68	660	66.9	14.8	37.3	28.1	27.4
7-8 PM	2327	0.0	1220	0.0	2999	2327	0	1220+	4.56	303	67.8	29.6	43.0	29.7	29.7
8-9 PM	1842	0.0	965	0.0	3000	1842	0	965	0.34	0	68.4	62.4	49.7	30.7	30.7
9-10 PM	1215	0.0	637	0.0	3000	1215	0	637	0.35	0	69.2	62.9	49.7	32.1	32.1
10-11 PM	781	0.0	409	0.0	3000	781	0	409	0.35	0	69.7	63.3	49.7	33.1	33.1
11PM-MID	530	0.0	278	0.0	3000	530	0	278	0.36	0	70.0	63.5	49.7	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	0.0278
MAIN ROUTE WITH WORKS	0.0227
DIVERSION	0.2805

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$115,334
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

