

**IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)
CONTINUOUS (24 HOUR) 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	3000	448	0	234	0.36	0	70.2	63.5	49.7	33.8	33.8
1-2 AM	297	0.0	156	0.0	3000	297	0	156	0.36	0	70.2	63.5	49.7	34.2	34.2
2-3 AM	253	0.0	133	0.0	3000	253	0	133	0.36	0	70.2	63.5	49.7	34.2	34.2
3-4 AM	196	0.0	103	0.0	3000	196	0	103	0.36	0	70.2	63.5	49.7	34.3	34.3
4-5 AM	180	0.0	94	0.0	3000	180	0	94	0.36	0	70.2	63.5	49.7	34.4	34.4
5-6 AM	291	0.0	153	0.0	3000	291	0	153	0.36	0	70.2	63.5	49.7	34.2	34.2
6-7 AM	460	0.0	241	0.0	3000	460	0	241	0.36	0	70.2	63.5	49.7	33.8	33.8
7-8 AM	768	0.0	403	0.0	3000	768	0	403	0.35	0	69.8	63.3	49.7	33.1	33.1
8-9 AM	1229	0.0	645	0.0	3000	1229	0	645	0.35	0	69.2	62.9	49.7	32.1	32.1
9-10 AM	1863	0.0	977	0.0	3000	1863	0	977	0.34	0	68.4	62.4	49.7	30.7	30.7
10-11 AM	2527	0.0	1325	0.0	3000	2527	0	1325+	0.42	0	67.6	60.4	46.1	29.2	29.2
11A-NOON	2754	0.0	1444	0.0	3000	2754	0	1444+	0.57	0	67.3	58.1	41.4	28.8	28.8
NOON-1PM	2757	0.0	1445	0.0	3000	2757	0	1445+	0.57	0	67.3	58.1	41.4	28.8	28.8
1-2 PM	2780	0.0	1458	0.0	3000	2780	0	1458+	0.59	0	67.3	57.8	40.9	28.7	28.7
2-3 PM	2817	0.0	1478	0.0	3000	2817	0	1478+	0.61	0	67.3	57.4	40.2	28.6	28.6
3-4 PM	2844	0.0	1491	0.0	3000	2844	0	1491+	0.63	0	67.2	57.2	39.8	28.6	28.6
4-5 PM	2931	0.0	1537	0.0	3000	2931	0	1537+	0.68	0	67.1	56.3	38.3	28.4	28.4
5-6 PM	2572	0.0	1349	0.0	3000	2572	0	1349+	0.45	0	67.6	59.9	45.1	29.2	29.2
6-7 PM	2270	0.0	1190	0.0	3000	2270	0	1190	0.33	0	67.9	62.1	49.7	29.8	29.8
7-8 PM	1895	0.0	994	0.0	3000	1895	0	994	0.34	0	68.4	62.4	49.7	30.6	30.6
8-9 PM	1482	0.0	776	0.0	3000	1482	0	776	0.34	0	68.9	62.7	49.7	31.5	31.5
9-10 PM	1129	0.0	592	0.0	3000	1129	0	592	0.35	0	69.3	63.0	49.7	32.3	32.3
10-11 PM	747	0.0	391	0.0	3000	747	0	391	0.35	0	69.8	63.3	49.7	33.2	33.2
11PM-MID	548	0.0	287	0.0	3000	548	0	287	0.36	0	70.0	63.4	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	0.0230
MAIN ROUTE WITH WORKS	0.0206
DIVERSION	0.1980

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$4,962
CONGESTED HOURS PER DAY*	0

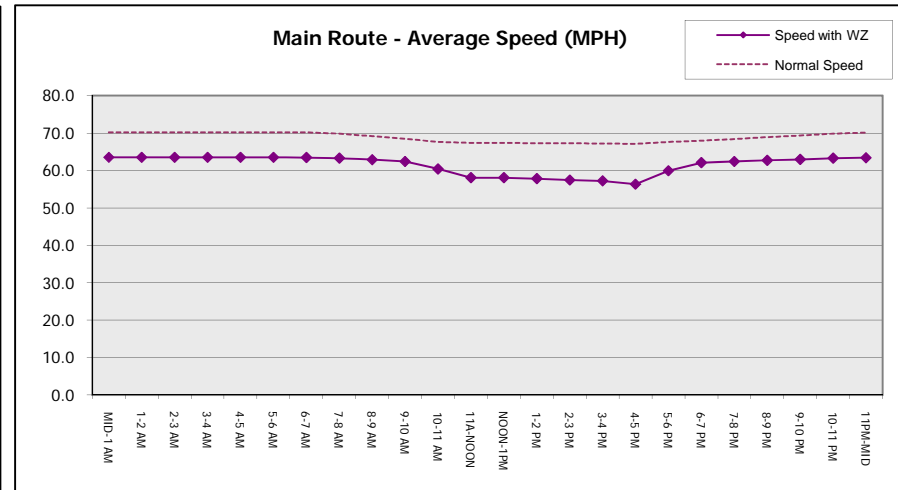
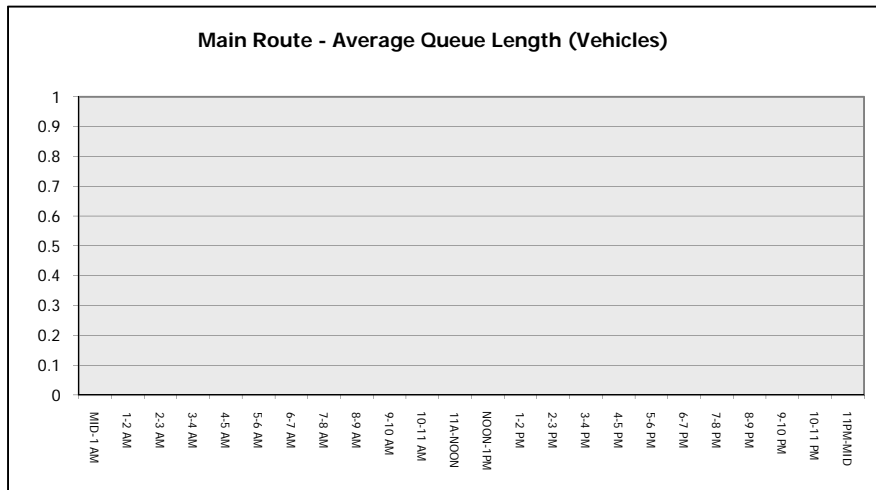
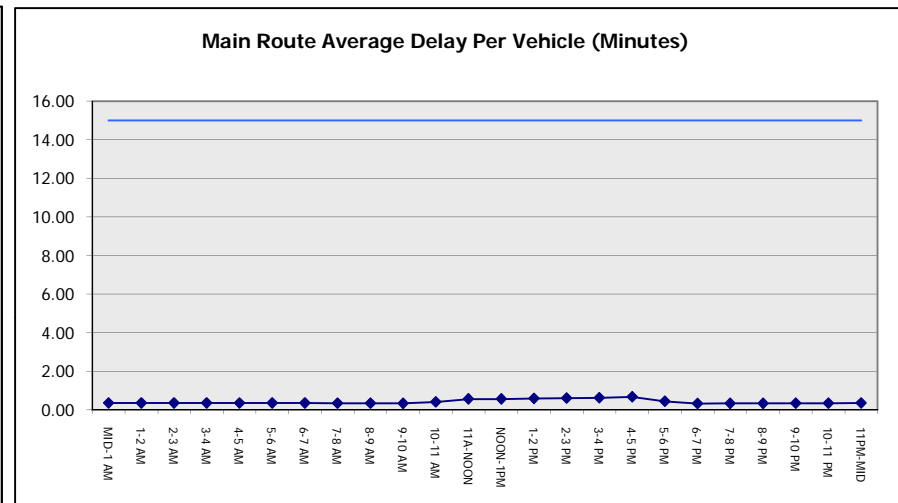
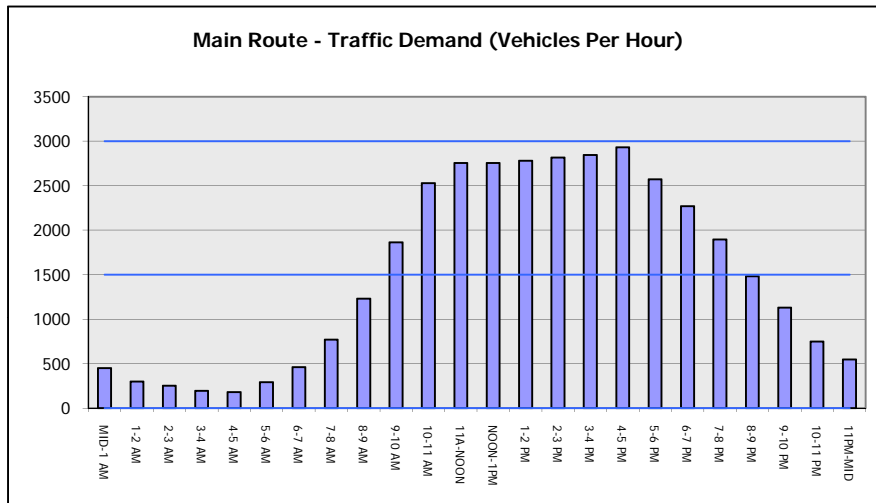
*Delays Exceeding 15 Minutes

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

MAY
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 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	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	3000	405	0	212	0.36	0	70.2	63.5	49.7	33.9	33.9
1-2 AM	272	0.0	142	0.0	3000	272	0	142	0.36	0	70.2	63.5	49.7	34.2	34.2
2-3 AM	212	0.0	111	0.0	3000	212	0	111	0.36	0	70.2	63.5	49.7	34.3	34.3
3-4 AM	169	0.0	88	0.0	3000	169	0	88	0.36	0	70.2	63.5	49.7	34.4	34.4
4-5 AM	175	0.0	92	0.0	3000	175	0	92	0.36	0	70.2	63.5	49.7	34.4	34.4
5-6 AM	271	0.0	141	0.0	3000	271	0	141	0.36	0	70.2	63.5	49.7	34.2	34.2
6-7 AM	500	0.0	263	0.0	3000	500	0	263	0.36	0	70.1	63.5	49.7	33.7	33.7
7-8 AM	736	0.0	386	0.0	3000	736	0	386	0.35	0	69.8	63.3	49.7	33.2	33.2
8-9 AM	1235	0.0	648	0.0	3000	1235	0	648	0.35	0	69.2	62.9	49.7	32.1	32.1
9-10 AM	1748	0.0	917	0.0	3000	1748	0	917	0.34	0	68.6	62.5	49.7	31.0	31.0
10-11 AM	2330	0.0	1222	0.0	3000	2330	0	1222+	0.33	0	67.8	62.0	49.7	29.7	29.7
11A-NOON	2875	0.0	1508	0.0	2999	2875	0	1508+	0.65	0	67.1	56.9	39.3	28.5	28.5
NOON-1PM	3112	0.0	1631	0.0	2999	3112	0	1631+	1.56	48	66.9	46.6	37.3	28.0	28.0
1-2 PM	3107	0.0	1628	0.0	2999	3107	0	1628+	3.59	159	66.9	33.4	37.3	28.0	28.0
2-3 PM	3281	0.0	1720	0.0	3000	3281	0	1720+	6.95	353	66.6	22.7	37.3	27.6	27.6
3-4 PM	3284	0.0	1721	0.0	2999	3200	84	1805+	12.01	627	66.6	15.3	37.3	27.6	27.3
4-5 PM	3229	0.0	1693	0.0	2999	2986	243	1936+	13.24	690	66.7	14.2	37.3	27.7	26.7
5-6 PM	3148	0.0	1650	0.0	2999	2976	172	1822+	12.95	674	66.8	14.5	37.3	27.9	27.2
6-7 PM	2834	0.0	1486	0.0	2999	2818	16	1502+	11.39	590	67.2	16.0	37.3	28.6	28.5
7-8 PM	2284	0.0	1197	0.0	2999	2284	0	1197	2.60	185	67.9	39.1	44.9	29.8	29.8
8-9 PM	1828	0.0	959	0.0	3000	1828	0	959	0.34	0	68.4	62.5	49.7	30.8	30.8
9-10 PM	1382	0.0	725	0.0	3000	1382	0	725	0.34	0	69.0	62.8	49.7	31.7	31.7
10-11 PM	980	0.0	514	0.0	3000	980	0	514	0.35	0	69.5	63.1	49.7	32.7	32.7
11PM-MID	610	0.0	320	0.0	3000	610	0	320	0.36	0	70.0	63.4	49.7	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	0.0225
DIVERSION	0.2252

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$58,994
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) 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

