

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

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	OFF	1863	0	977	0.00	0	68.4	68.4	68.4	30.7	30.7
10-11 AM	2527	0.0	1325	0.0	OFF	2527	0	1325+	0.00	0	67.6	67.6	67.6	29.2	29.2
11A-NOON	2754	0.0	1444	0.0	OFF	2754	0	1444+	0.00	0	67.3	67.3	67.3	28.8	28.8
NOON-1PM	2757	0.0	1445	0.0	OFF	2757	0	1445+	0.00	0	67.3	67.3	67.3	28.8	28.8
1-2 PM	2780	0.0	1458	0.0	OFF	2780	0	1458+	0.00	0	67.3	67.3	67.3	28.7	28.7
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	2844	0.0	1491	0.0	OFF	2844	0	1491+	0.00	0	67.2	67.2	67.2	28.6	28.6
4-5 PM	2931	0.0	1537	0.0	OFF	2931	0	1537+	0.00	0	67.1	67.1	67.1	28.4	28.4
5-6 PM	2572	0.0	1349	0.0	OFF	2572	0	1349+	0.00	0	67.6	67.6	67.6	29.2	29.2
6-7 PM	2270	0.0	1190	0.0	OFF	2270	0	1190	0.00	0	67.9	67.9	67.9	29.8	29.8
7-8 PM	1895	0.0	994	0.0	1499	1774	121	1115	8.00	199	68.4	20.9	30.8	30.6	30.1
8-9 PM	1482	0.0	776	0.0	1500	1429	53	829	10.49	246	68.9	17.2	30.8	31.5	31.3
9-10 PM	1129	0.0	592	0.0	1499	1129	0	592	2.46	71	69.3	40.5	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

"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	0.0230
MAIN ROUTE WITH WORKS	0.0222
DIVERSION	0.1999

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$10,464
CONGESTED HOURS PER DAY*	0

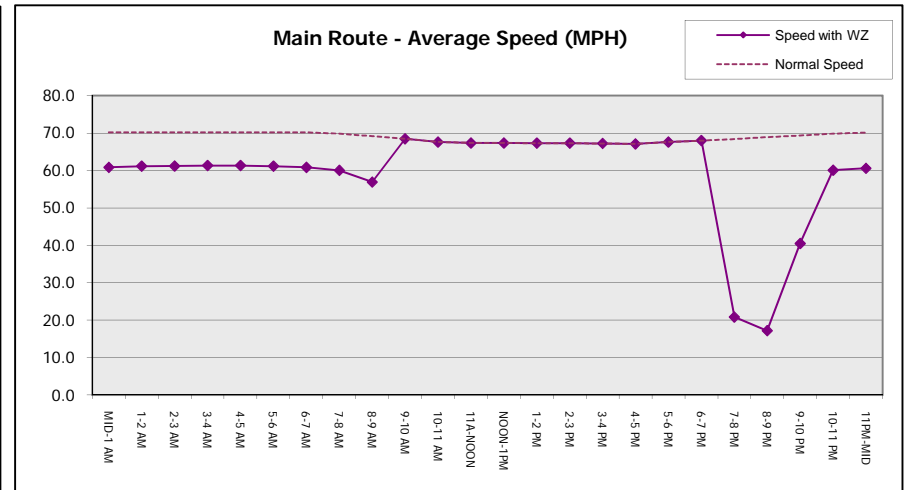
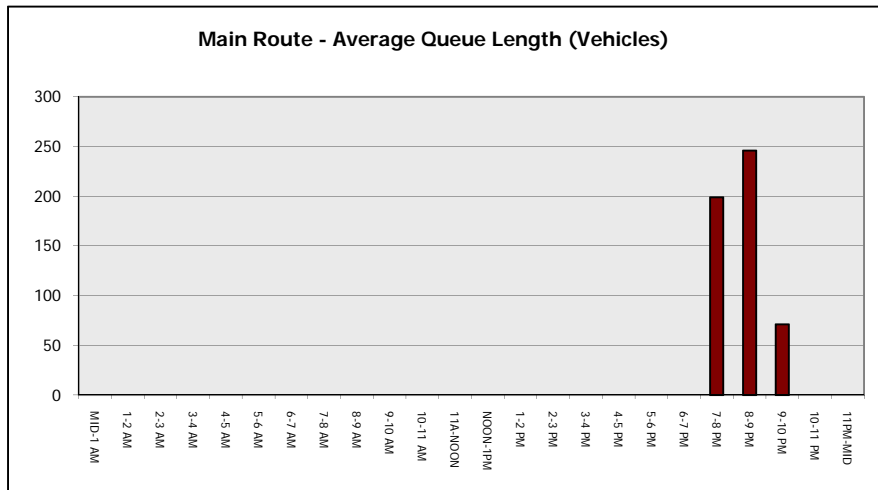
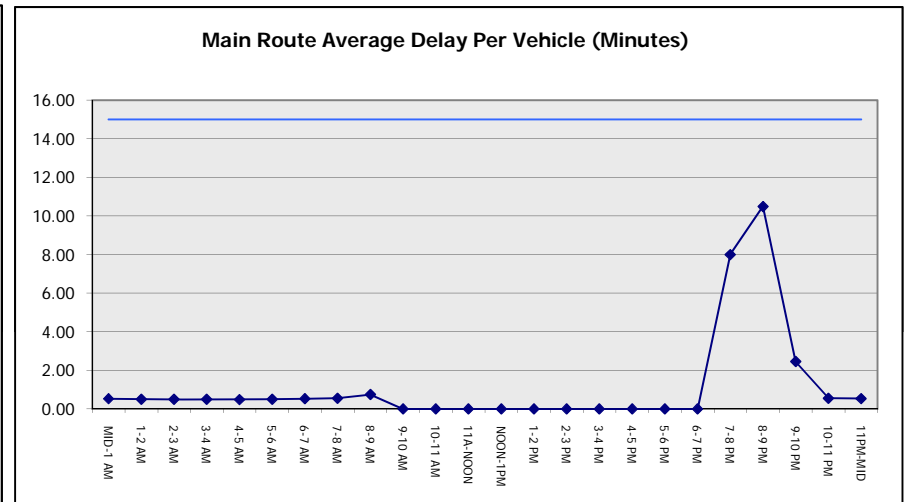
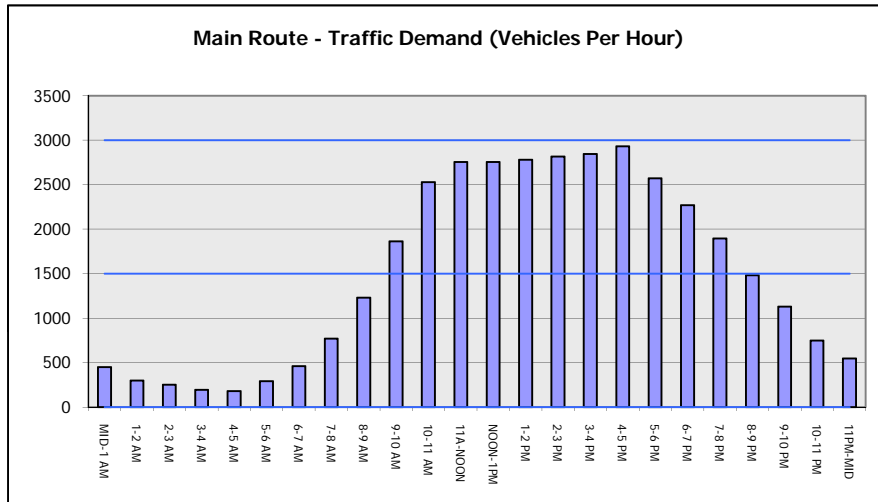
*Delays Exceeding 15 Minutes

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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

SUNDAY 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	
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	OFF	1748	0	917	0.00	0	68.6	68.6	68.6	31.0	31.0
10-11 AM	2330	0.0	1222	0.0	OFF	2330	0	1222+	0.00	0	67.8	67.8	67.8	29.7	29.7
11A-NOON	2875	0.0	1508	0.0	OFF	2875	0	1508+	0.00	0	67.1	67.1	67.1	28.5	28.5
NOON-1PM	3112	0.0	1631	0.0	OFF	3112	0	1631+	0.00	0	66.9	66.9	66.9	28.0	28.0
1-2 PM	3107	0.0	1628	0.0	OFF	3107	0	1628+	0.00	0	66.9	66.9	66.9	28.0	28.0
2-3 PM	3281	0.0	1720	0.0	OFF	3281	0	1720+	0.00	0	66.6	66.6	66.6	27.6	27.6
3-4 PM	3284	0.0	1721	0.0	OFF	3284	0	1721+	0.00	0	66.6	66.6	66.6	27.6	27.6
4-5 PM	3229	0.0	1693	0.0	OFF	3229	0	1693+	0.00	0	66.7	66.7	66.7	27.7	27.7
5-6 PM	3148	0.0	1650	0.0	OFF	3148	0	1650+	0.00	0	66.8	66.8	66.8	27.9	27.9
6-7 PM	2834	0.0	1486	0.0	OFF	2834	0	1486+	0.00	0	67.2	67.2	67.2	28.6	28.6
7-8 PM	2284	0.0	1197	0.0	1499	1820	464	1661+	11.45	281	67.9	16.0	31.9	29.8	27.9
8-9 PM	1828	0.0	959	0.0	1499	1454	375	1333+	11.89	283	68.4	15.6	30.8	30.8	29.2
9-10 PM	1382	0.0	725	0.0	1499	1358	25	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

"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	0.0255
MAIN ROUTE WITH WORKS	0.0243
DIVERSION	0.2289

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$18,426
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

MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY EASTBOUND DIRECTION

