

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	595	0.0	312	0.0	OFF	595	0	312	0.00	0	70.0	70.0	70.0	33.5	33.5
1-2 AM	470	0.0	247	0.0	OFF	470	0	247	0.00	0	70.2	70.2	70.2	33.7	33.7
2-3 AM	394	0.0	207	0.0	OFF	394	0	207	0.00	0	70.2	70.2	70.2	33.9	33.9
3-4 AM	411	0.0	216	0.0	OFF	411	0	216	0.00	0	70.2	70.2	70.2	33.9	33.9
4-5 AM	582	0.0	305	0.0	OFF	582	0	305	0.00	0	70.0	70.0	70.0	33.5	33.5
5-6 AM	1069	0.0	560	0.0	OFF	1069	0	560	0.00	0	69.4	69.4	69.4	32.4	32.4
6-7 AM	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 AM	3444	0.0	1806	0.0	OFF	3444	0	1806+	0.00	0	66.4	66.4	66.4	27.3	27.3
8-9 AM	3164	0.0	1659	0.0	OFF	3164	0	1659+	0.00	0	66.8	66.8	66.8	27.9	27.9
9-10 AM	3005	0.0	1576	0.0	1499	1895	1110	2685+	15.48	392	67.0	12.6	30.9	28.2	23.6
10-11 AM	3229	0.0	1693	0.0	1499	1573	1656	3350+	18.00	446	66.7	11.1	30.8	27.7	20.8
11A-NOON	3624	0.0	1899	0.0	1500	1587	2037	3936+	20.84	521	66.1	9.8	30.8	26.9	18.4
NOON-1PM	3930	0.0	2060	0.0	1500	1567	2363	4424+	23.76	600	64.0	8.7	30.8	26.2	16.3
1-2 PM	3864	0.0	2026	0.0	1500	1484	2380	4406+	23.66	597	64.5	8.8	30.8	26.3	16.4
2-3 PM	4266	0.0	2236	0.0	1499	1557	2709	4945+	25.84	658	61.7	8.1	30.8	25.5	15.2
3-4 PM	4864	0.0	2550	0.0	1499	1500	3364	5914+	26.01	670	57.6	7.9	30.8	24.2	14.9
4-5 PM	4973	0.0	2607	0.0	OFF	4973	0	2607+	2.51	214	56.9	35.7	35.7	23.9	23.9
5-6 PM	4285	0.0	2247	0.0	OFF	4285	0	2247+	0.00	0	61.6	61.6	61.6	25.4	25.4
6-7 PM	3906	0.0	2048	0.0	OFF	3906	0	2048+	0.00	0	64.1	64.1	64.1	26.3	26.3
7-8 PM	3082	0.0	1616	0.0	OFF	3082	0	1616+	0.00	0	66.9	66.9	66.9	28.1	28.1
8-9 PM	2561	0.0	1343	0.0	OFF	2561	0	1343+	0.00	0	67.6	67.6	67.6	29.2	29.2
9-10 PM	2263	0.0	1187	0.0	OFF	2263	0	1187	0.00	0	67.9	67.9	67.9	29.8	29.8
10-11 PM	1736	0.0	909	0.0	OFF	1736	0	909	0.00	0	68.6	68.6	68.6	31.0	31.0
11PM-MID	1083	0.0	568	0.0	OFF	1083	0	568	0.00	0	69.4	69.4	69.4	32.4	32.4

"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	0.0402
MAIN ROUTE WITH WORKS	0.0295
DIVERSION	0.5102

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$179,507
CONGESTED HOURS PER DAY*	7

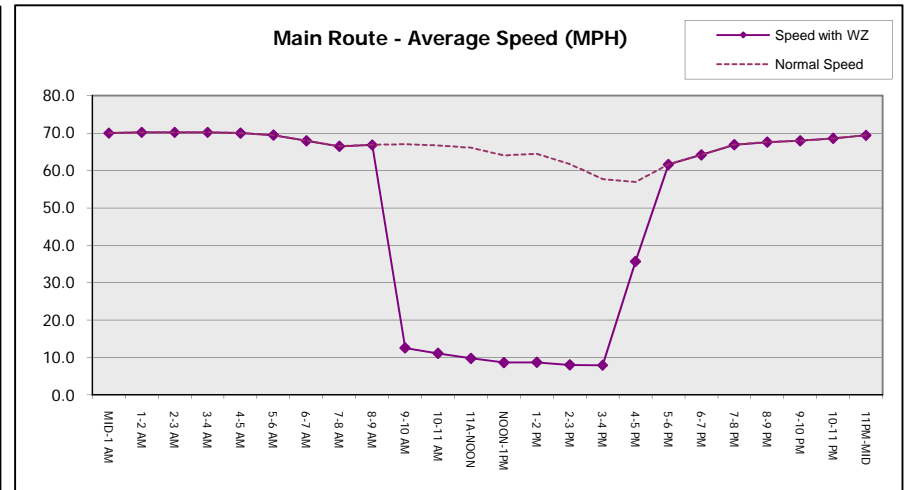
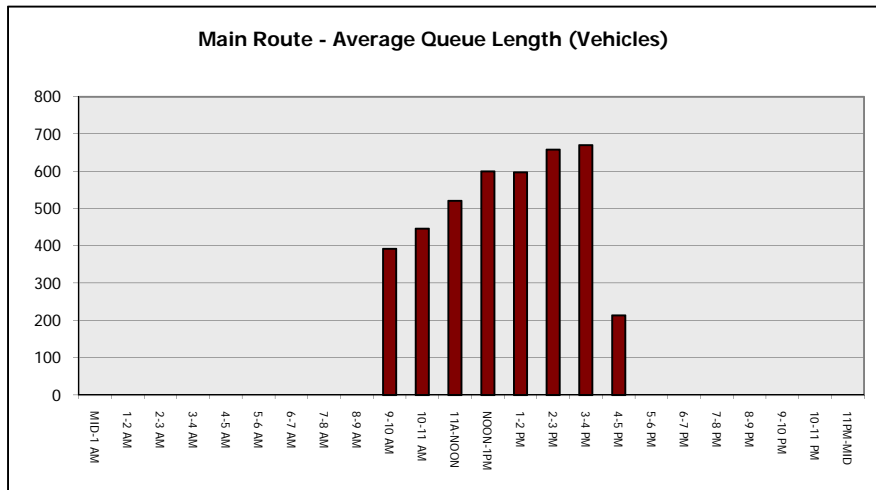
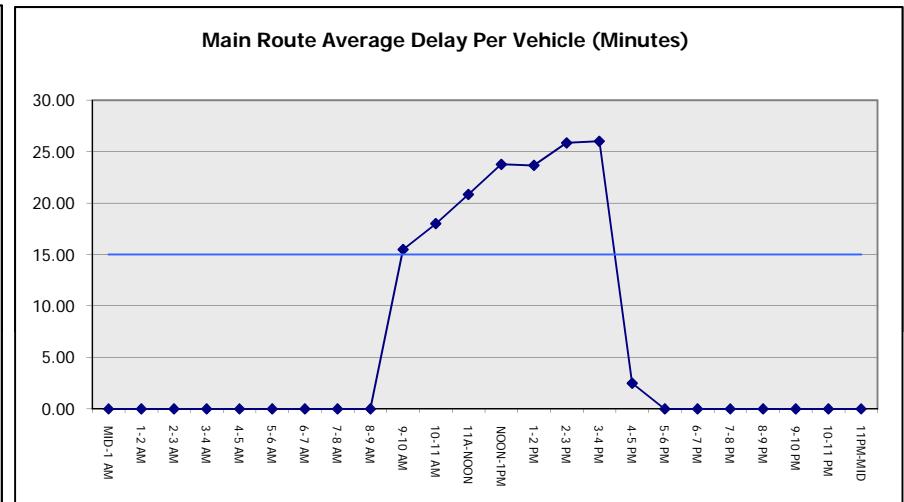
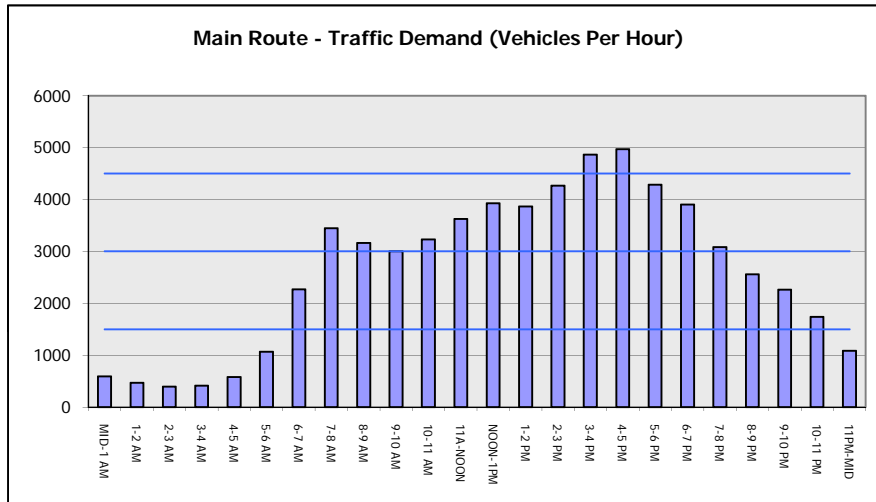
*Delays Exceeding 15 Minutes

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)
OFF-PEAK DAY 2 LANE CLOSURE
DIVERSION ROUTE: BELTLINE - USH 51 - STH 30

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	AUGUST Analyzed for 2009 Construction Season
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SUMMARY OF TRAFFIC MODEL OUTPUT	
FRIDAY	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	525	0.0	275	0.0	OFF	525	0	275	0.00	0	70.1	70.1	70.1	33.7	33.7
1-2 AM	443	0.0	232	0.0	OFF	443	0	232	0.00	0	70.2	70.2	70.2	33.8	33.8
2-3 AM	396	0.0	207	0.0	OFF	396	0	207	0.00	0	70.2	70.2	70.2	33.9	33.9
3-4 AM	394	0.0	206	0.0	OFF	394	0	206	0.00	0	70.2	70.2	70.2	33.9	33.9
4-5 AM	515	0.0	270	0.0	OFF	515	0	270	0.00	0	70.1	70.1	70.1	33.7	33.7
5-6 AM	1107	0.0	580	0.0	OFF	1107	0	580	0.00	0	69.4	69.4	69.4	32.4	32.4
6-7 AM	2586	0.0	1355	0.0	OFF	2586	0	1355+	0.00	0	67.5	67.5	67.5	29.1	29.1
7-8 AM	3284	0.0	1721	0.0	OFF	3284	0	1721+	0.00	0	66.6	66.6	66.6	27.6	27.6
8-9 AM	2677	0.0	1404	0.0	OFF	2677	0	1404+	0.00	0	67.4	67.4	67.4	28.9	28.9
9-10 AM	2522	0.0	1323	0.0	1499	1854	668	1991+	12.72	316	67.6	14.8	31.4	29.2	26.5
10-11 AM	2791	0.0	1463	0.0	1499	1541	1250	2713+	15.59	381	67.3	12.5	30.8	28.7	23.5
11A-NOON	3105	0.0	1628	0.0	1499	1547	1558	3186+	17.33	427	66.9	11.5	30.8	28.0	21.5
NOON-1PM	3218	0.0	1687	0.0	1500	1519	1699	3386+	18.16	449	66.8	11.1	30.8	27.8	20.7
1-2 PM	3470	0.0	1820	0.0	1499	1557	1914	3733+	19.78	492	66.4	10.2	30.8	27.2	19.3
2-3 PM	3820	0.0	2003	0.0	1500	1582	2238	4241+	22.58	568	64.8	9.1	30.8	26.5	17.1
3-4 PM	3950	0.0	2071	0.0	1500	1529	2421	4492+	24.24	613	63.9	8.6	30.8	26.1	16.1
4-5 PM	4058	0.0	2127	0.0	OFF	4058	0	2127+	1.29	101	63.2	47.1	47.1	25.9	25.9
5-6 PM	3820	0.0	2003	0.0	OFF	3820	0	2003+	0.00	0	64.8	64.8	64.8	26.5	26.5
6-7 PM	3016	0.0	1581	0.0	OFF	3016	0	1581+	0.00	0	67.0	67.0	67.0	28.2	28.2
7-8 PM	2366	0.0	1240	0.0	OFF	2366	0	1240+	0.00	0	67.8	67.8	67.8	29.6	29.6
8-9 PM	2000	0.0	1048	0.0	OFF	2000	0	1048	0.00	0	68.2	68.2	68.2	30.4	30.4
9-10 PM	1718	0.0	901	0.0	OFF	1718	0	901	0.00	0	68.6	68.6	68.6	31.1	31.1
10-11 PM	1338	0.0	701	0.0	OFF	1338	0	701	0.00	0	69.1	69.1	69.1	31.9	31.9
11PM-MID	980	0.0	514	0.0	OFF	980	0	514	0.00	0	69.5	69.5	69.5	32.7	32.7

"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	0.0345
MAIN ROUTE WITH WORKS	0.0262
DIVERSION	0.4204

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$129,683
CONGESTED HOURS PER DAY*	6

*Delays Exceeding 15 Minutes

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY)
OFF-PEAK DAY 2 LANE CLOSURE
DIVERSION ROUTE: BELTLINE - USH 51 - STH 30

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

