

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	MAY
	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			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	503	0.0	264	0.0	OFF	503	0	264	0.00	0	70.1	70.1	70.1	33.7	33.7
1-2 AM	417	0.0	219	0.0	OFF	417	0	219	0.00	0	70.2	70.2	70.2	33.8	33.8
2-3 AM	364	0.0	191	0.0	OFF	364	0	191	0.00	0	70.2	70.2	70.2	34.0	34.0
3-4 AM	386	0.0	202	0.0	OFF	386	0	202	0.00	0	70.2	70.2	70.2	33.9	33.9
4-5 AM	550	0.0	288	0.0	OFF	550	0	288	0.00	0	70.0	70.0	70.0	33.6	33.6
5-6 AM	1096	0.0	574	0.0	OFF	1096	0	574	0.00	0	69.4	69.4	69.4	32.4	32.4
6-7 AM	2399	0.0	1258	0.0	OFF	2399	0	1258+	0.00	0	67.8	67.8	67.8	29.6	29.6
7-8 AM	3479	0.0	1824	0.0	OFF	3479	0	1824+	0.00	0	66.4	66.4	66.4	27.2	27.2
8-9 AM	3041	0.0	1595	0.0	OFF	3041	0	1595+	0.00	0	66.9	66.9	66.9	28.1	28.1
9-10 AM	2624	0.0	1376	0.0	1499	1850	773	2149+	13.86	346	67.5	13.8	32.2	29.1	25.8
10-11 AM	2745	0.0	1439	0.0	1499	1535	1211	2649+	15.38	376	67.3	12.7	30.8	28.8	23.7
11A-NOON	3012	0.0	1579	0.0	1499	1542	1470	3049+	16.79	413	67.0	11.8	30.8	28.2	22.0
NOON-1PM	3250	0.0	1704	0.0	1500	1542	1708	3412+	18.27	452	66.7	11.0	30.8	27.7	20.6
1-2 PM	3513	0.0	1842	0.0	1500	1555	1958	3799+	20.12	501	66.4	10.1	30.8	27.1	18.9
2-3 PM	3799	0.0	1992	0.0	1500	1586	2213	4206+	22.37	563	64.9	9.2	30.8	26.5	17.3
3-4 PM	4501	0.0	2360	0.0	1499	1531	2971	5330+	26.18	671	60.1	7.9	31.7	25.0	14.9
4-5 PM	4586	0.0	2405	0.0	OFF	4586	0	2405+	1.78	145	59.6	41.3	41.3	24.8	24.8
5-6 PM	4263	0.0	2235	0.0	OFF	4263	0	2235+	0.00	0	61.7	61.7	61.7	25.5	25.5
6-7 PM	3538	0.0	1855	0.0	OFF	3538	0	1855+	0.00	0	66.3	66.3	66.3	27.1	27.1
7-8 PM	2813	0.0	1474	0.0	OFF	2813	0	1474+	0.00	0	67.3	67.3	67.3	28.6	28.6
8-9 PM	2390	0.0	1254	0.0	OFF	2390	0	1254+	0.00	0	67.8	67.8	67.8	29.6	29.6
9-10 PM	1927	0.0	1011	0.0	OFF	1927	0	1011	0.00	0	68.3	68.3	68.3	30.6	30.6
10-11 PM	1514	0.0	794	0.0	OFF	1514	0	794	0.00	0	68.9	68.9	68.9	31.5	31.5
11PM-MID	961	0.0	503	0.0	OFF	961	0	503	0.00	0	69.6	69.6	69.6	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	0.0367
MAIN ROUTE WITH WORKS	0.0282
DIVERSION	0.4459

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$133,540
CONGESTED HOURS PER DAY*	6

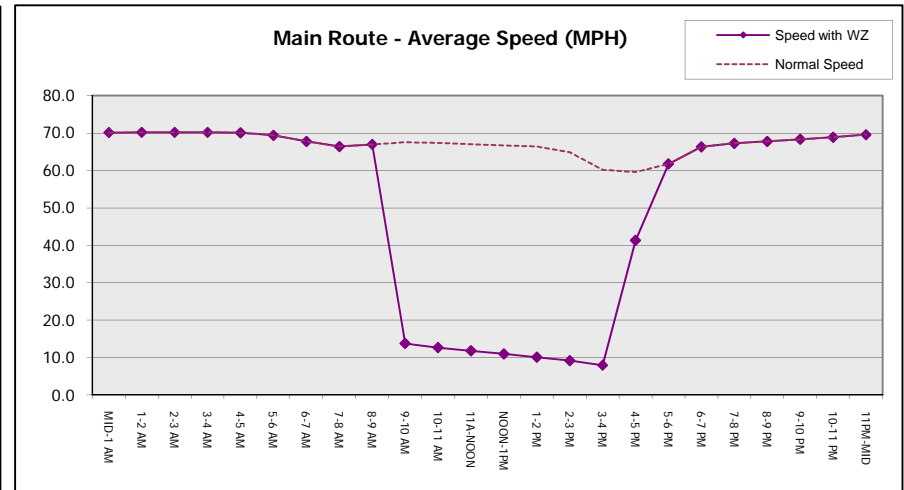
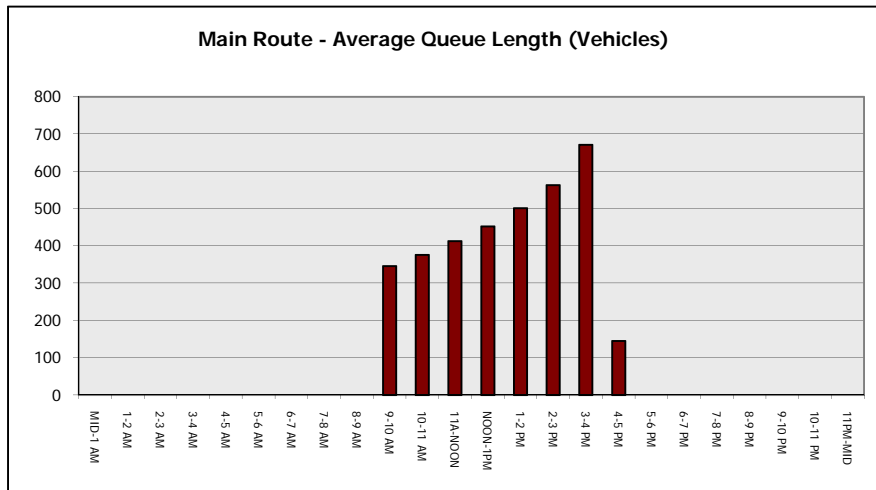
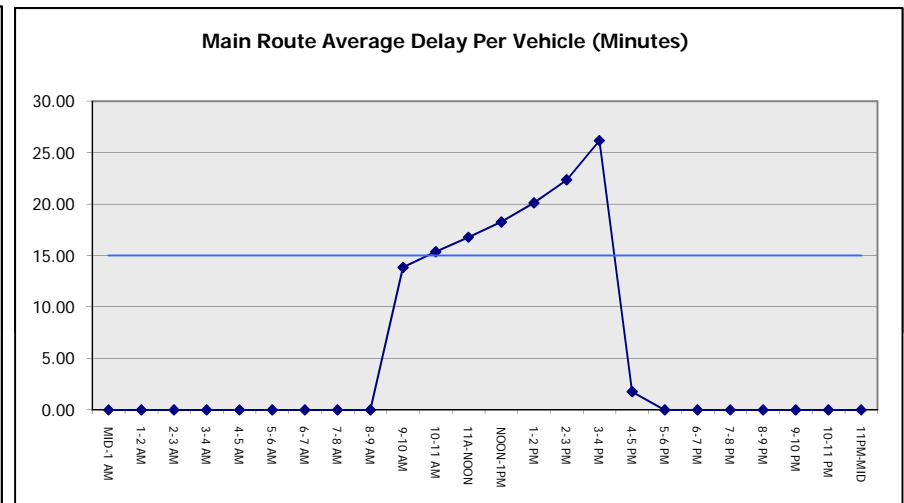
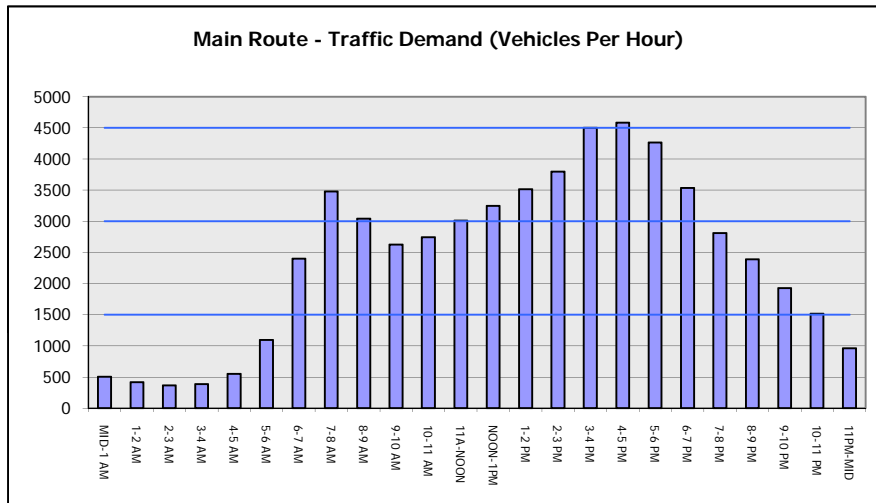
*Delays Exceeding 15 Minutes

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

MAY
 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	MAY 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			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	425	0.0	223	0.0	OFF	425	0	223	0.00	0	70.2	70.2	70.2	33.8	33.8
1-2 AM	336	0.0	176	0.0	OFF	336	0	176	0.00	0	70.2	70.2	70.2	34.0	34.0
2-3 AM	334	0.0	175	0.0	OFF	334	0	175	0.00	0	70.2	70.2	70.2	34.0	34.0
3-4 AM	370	0.0	194	0.0	OFF	370	0	194	0.00	0	70.2	70.2	70.2	34.0	34.0
4-5 AM	461	0.0	242	0.0	OFF	461	0	242	0.00	0	70.2	70.2	70.2	33.8	33.8
5-6 AM	1144	0.0	600	0.0	OFF	1144	0	600	0.00	0	69.3	69.3	69.3	32.3	32.3
6-7 AM	2684	0.0	1407	0.0	OFF	2684	0	1407+	0.00	0	67.4	67.4	67.4	28.9	28.9
7-8 AM	3108	0.0	1629	0.0	OFF	3108	0	1629+	0.00	0	66.9	66.9	66.9	28.0	28.0
8-9 AM	2494	0.0	1308	0.0	OFF	2494	0	1308+	0.00	0	67.6	67.6	67.6	29.3	29.3
9-10 AM	2322	0.0	1218	0.0	1499	1833	489	1707+	11.07	273	67.9	16.5	30.8	29.7	27.6
10-11 AM	2446	0.0	1282	0.0	1499	1512	934	2216+	14.06	340	67.7	13.6	30.8	29.4	25.5
11A-NOON	2582	0.0	1354	0.0	1500	1518	1064	2418+	14.65	356	67.5	13.2	30.8	29.1	24.7
NOON-1PM	2800	0.0	1468	0.0	1499	1528	1272	2740+	15.68	384	67.3	12.5	30.8	28.7	23.3
1-2 PM	2845	0.0	1492	0.0	1500	1509	1336	2829+	15.99	392	67.2	12.3	30.8	28.6	23.0
2-3 PM	3185	0.0	1670	0.0	1499	1560	1625	3295+	17.77	439	66.8	11.2	30.8	27.8	21.1
3-4 PM	3433	0.0	1800	0.0	1500	1546	1886	3686+	19.55	486	66.4	10.4	30.8	27.3	19.4
4-5 PM	3681	0.0	1930	0.0	OFF	3681	0	1930+	0.75	55	65.7	54.5	54.5	26.8	26.8
5-6 PM	3423	0.0	1795	0.0	OFF	3423	0	1795+	0.00	0	66.5	66.5	66.5	27.3	27.3
6-7 PM	2810	0.0	1473	0.0	OFF	2810	0	1473+	0.00	0	67.3	67.3	67.3	28.6	28.6
7-8 PM	2248	0.0	1178	0.0	OFF	2248	0	1178	0.00	0	67.9	67.9	67.9	29.9	29.9
8-9 PM	1787	0.0	937	0.0	OFF	1787	0	937	0.00	0	68.5	68.5	68.5	30.9	30.9
9-10 PM	1514	0.0	794	0.0	OFF	1514	0	794	0.00	0	68.9	68.9	68.9	31.5	31.5
10-11 PM	1170	0.0	613	0.0	OFF	1170	0	613	0.00	0	69.3	69.3	69.3	32.2	32.2
11PM-MID	876	0.0	459	0.0	OFF	876	0	459	0.00	0	69.6	69.6	69.6	32.9	32.9

"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	0.0309
MAIN ROUTE WITH WORKS	0.0247
DIVERSION	0.3566

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$89,119
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

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OFF-PEAK DAY 2 LANE CLOSURE
DIVERSION ROUTE: BELTLINE - USH 51 - STH 30

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

