

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	AUGUST
	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	504	0.0	265	0.0	1500	504	0	265	0.53	0	70.1	60.7	43.5	33.7	33.7
1-2 AM	338	0.0	177	0.0	1500	338	0	177	0.51	0	70.2	61.0	44.2	34.0	34.0
2-3 AM	287	0.0	151	0.0	1500	287	0	151	0.51	0	70.2	61.1	44.3	34.2	34.2
3-4 AM	230	0.0	120	0.0	1500	230	0	120	0.50	0	70.2	61.2	44.6	34.3	34.3
4-5 AM	205	0.0	107	0.0	1500	205	0	107	0.50	0	70.2	61.3	44.6	34.3	34.3
5-6 AM	286	0.0	150	0.0	1500	286	0	150	0.51	0	70.2	61.1	44.3	34.2	34.2
6-7 AM	476	0.0	249	0.0	1500	476	0	249	0.53	0	70.1	60.7	43.6	33.7	33.7
7-8 AM	817	0.0	429	0.0	1500	817	0	429	0.57	0	69.7	59.9	42.4	33.0	33.0
8-9 AM	1361	0.0	714	0.0	1499	1361	0	714	1.02	3	69.1	53.4	34.8	31.8	31.8
9-10 AM	2181	0.0	1144	0.0	OFF	2181	0	1144	0.00	0	68.0	68.0	68.0	30.0	30.0
10-11 AM	2884	0.0	1512	0.0	OFF	2884	0	1512+	0.00	0	67.1	67.1	67.1	28.5	28.5
11A-NOON	3288	0.0	1723	0.0	OFF	3288	0	1723+	0.00	0	66.6	66.6	66.6	27.6	27.6
NOON-1PM	3339	0.0	1751	0.0	OFF	3339	0	1751+	0.00	0	66.6	66.6	66.6	27.5	27.5
1-2 PM	3437	0.0	1802	0.0	OFF	3437	0	1802+	0.00	0	66.4	66.4	66.4	27.3	27.3
2-3 PM	3367	0.0	1765	0.0	OFF	3367	0	1765+	0.00	0	66.6	66.6	66.6	27.4	27.4
3-4 PM	3286	0.0	1723	0.0	OFF	3286	0	1723+	0.00	0	66.6	66.6	66.6	27.6	27.6
4-5 PM	3160	0.0	1656	0.0	OFF	3160	0	1656+	0.00	0	66.8	66.8	66.8	27.9	27.9
5-6 PM	2834	0.0	1486	0.0	OFF	2834	0	1486+	0.00	0	67.2	67.2	67.2	28.6	28.6
6-7 PM	2312	0.0	1213	0.0	OFF	2312	0	1213+	0.00	0	67.9	67.9	67.9	29.7	29.7
7-8 PM	1956	0.0	1025	0.0	1499	1783	173	1199	8.43	209	68.3	20.1	30.8	30.5	29.8
8-9 PM	1626	0.0	853	0.0	1500	1476	150	1003	11.21	265	68.7	16.3	30.8	31.2	30.6
9-10 PM	1238	0.0	650	0.0	1499	1238	0	650	5.85	151	69.2	25.8	33.3	32.0	32.0
10-11 PM	876	0.0	459	0.0	1500	876	0	459	0.57	0	69.6	59.7	42.1	32.9	32.9
11PM-MID	643	0.0	337	0.0	1500	643	0	337	0.55	0	69.9	60.3	43.0	33.3	33.3

"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	0.0261
MAIN ROUTE WITH WORKS	0.0252
DIVERSION	0.2283

PIA: Personal Injury Accidents

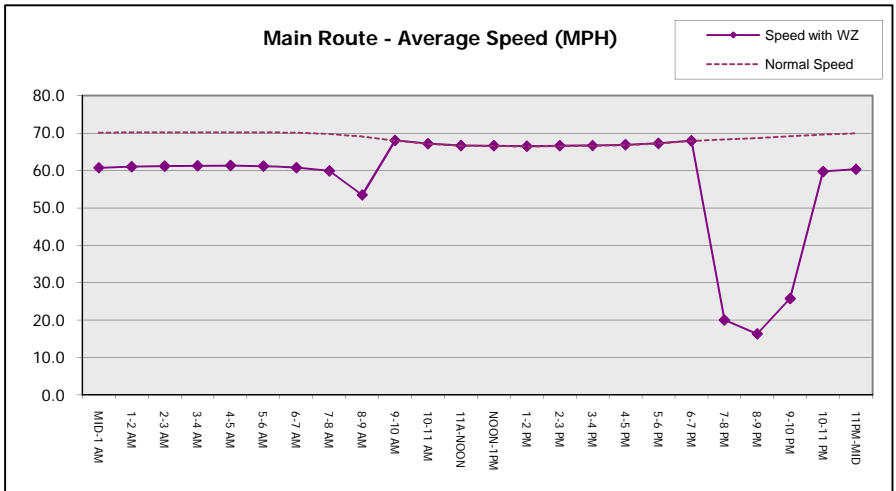
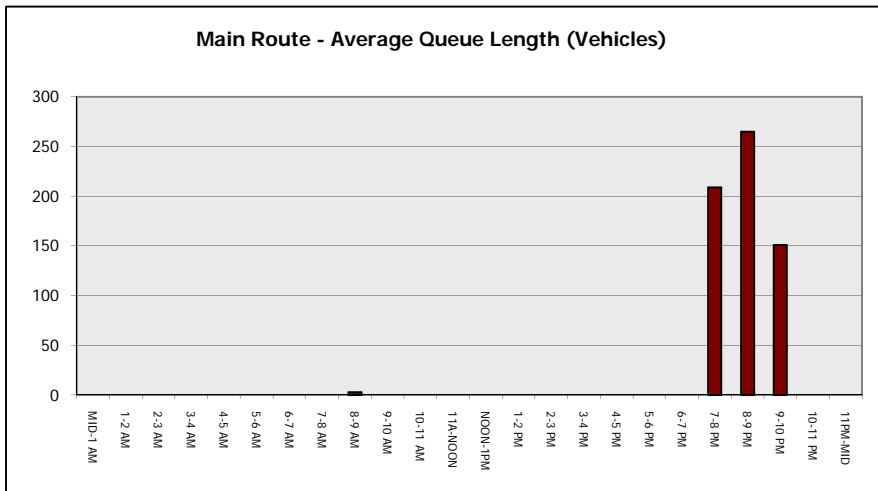
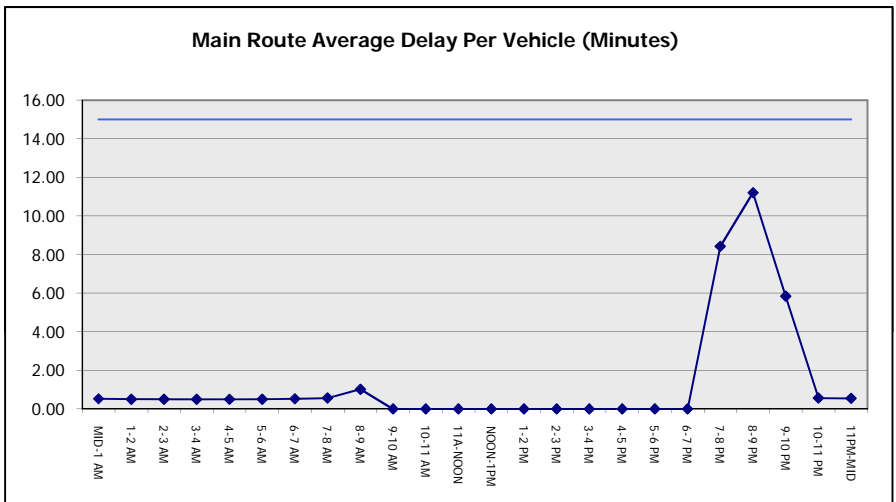
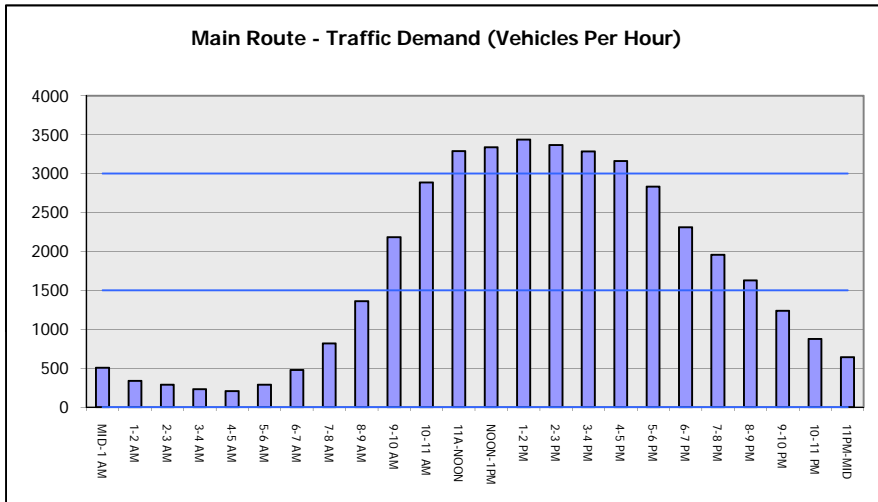
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$13,961
CONGESTED HOURS PER DAY*	0

*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

AUGUST
 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	AUGUST
	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	562	0.0	294	0.0	1500	562	0	294	0.54	0	70.0	60.5	43.3	33.5	33.5
1-2 AM	436	0.0	229	0.0	1500	436	0	229	0.53	0	70.2	60.8	43.8	33.8	33.8
2-3 AM	335	0.0	175	0.0	1500	335	0	175	0.51	0	70.2	61.0	44.2	34.0	34.0
3-4 AM	233	0.0	121	0.0	1500	233	0	121	0.50	0	70.2	61.2	44.5	34.3	34.3
4-5 AM	217	0.0	114	0.0	1500	217	0	114	0.50	0	70.2	61.2	44.6	34.3	34.3
5-6 AM	268	0.0	140	0.0	1500	268	0	140	0.51	0	70.2	61.2	44.4	34.2	34.2
6-7 AM	486	0.0	254	0.0	1500	486	0	254	0.53	0	70.1	60.7	43.5	33.7	33.7
7-8 AM	728	0.0	382	0.0	1500	728	0	382	0.56	0	69.8	60.1	42.7	33.2	33.2
8-9 AM	1218	0.0	638	0.0	1499	1218	0	638	0.76	0	69.2	56.8	37.5	32.1	32.1
9-10 AM	1982	0.0	1039	0.0	OFF	1982	0	1039	0.00	0	68.2	68.2	68.2	30.4	30.4
10-11 AM	2933	0.0	1537	0.0	OFF	2933	0	1537+	0.00	0	67.1	67.1	67.1	28.4	28.4
11A-NOON	3653	0.0	1916	0.0	OFF	3653	0	1916+	0.00	0	65.9	65.9	65.9	26.8	26.8
NOON-1PM	3937	0.0	2065	0.0	OFF	3937	0	2065+	0.00	0	64.0	64.0	64.0	26.1	26.1
1-2 PM	4019	0.0	2107	0.0	OFF	4019	0	2107+	0.00	0	63.4	63.4	63.4	26.0	26.0
2-3 PM	3887	0.0	2038	0.0	OFF	3887	0	2038+	0.00	0	64.3	64.3	64.3	26.3	26.3
3-4 PM	4146	0.0	2174	0.0	OFF	4146	0	2174+	0.00	0	62.5	62.5	62.5	25.7	25.7
4-5 PM	3744	0.0	1963	0.0	OFF	3744	0	1963+	0.00	0	65.3	65.3	65.3	26.6	26.6
5-6 PM	3851	0.0	2019	0.0	OFF	3851	0	2019+	0.00	0	64.5	64.5	64.5	26.4	26.4
6-7 PM	3443	0.0	1805	0.0	OFF	3443	0	1805+	0.00	0	66.4	66.4	66.4	27.3	27.3
7-8 PM	3054	0.0	1601	0.0	1499	1873	1181	2782+	15.81	400	66.9	12.4	31.5	28.1	23.2
8-9 PM	2556	0.0	1340	0.0	1499	1466	1090	2430+	14.69	358	67.6	13.2	30.8	29.2	24.7
9-10 PM	1857	0.0	973	0.0	1500	1433	424	1397+	12.02	287	68.4	15.5	30.8	30.7	28.9
10-11 PM	1166	0.0	611	0.0	1499	1158	8	619	4.52	138	69.3	30.1	35.6	32.2	32.2
11PM-MID	733	0.0	384	0.0	1500	733	0	384	0.56	0	69.8	60.1	42.7	33.2	33.2

"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	0.0315
MAIN ROUTE WITH WORKS	0.0290
DIVERSION	0.3000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$35,459
CONGESTED HOURS PER DAY*	1

*Delays Exceeding 15 Minutes

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NIGHTTIME 2 LANE CLOSURE
DIVERSION ROUTE: BELTLINE - USH 51 - STH 30

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

