

IH 39/90/94: IH 94/STH 30 TO BELTLINE (DANE COUNTY) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	OCTOBER
	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	504	0.0	264	0.0	1500	504	0	264	0.53	0	70.1	60.7	43.5	33.7	33.7
1-2 AM	402	0.0	211	0.0	1500	402	0	211	0.52	0	70.2	60.9	43.9	33.9	33.9
2-3 AM	356	0.0	186	0.0	1500	356	0	186	0.52	0	70.2	61.0	44.1	34.0	34.0
3-4 AM	373	0.0	196	0.0	1500	373	0	196	0.52	0	70.2	60.9	44.0	34.0	34.0
4-5 AM	580	0.0	305	0.0	1500	580	0	305	0.54	0	70.0	60.5	43.2	33.5	33.5
5-6 AM	1090	0.0	571	0.0	OFF	1090	0	571	0.00	0	69.4	69.4	69.4	32.4	32.4
6-7 AM	2268	0.0	1189	0.0	OFF	2268	0	1189	0.00	0	67.9	67.9	67.9	29.8	29.8
7-8 AM	3540	0.0	1856	0.0	OFF	3540	0	1856+	0.00	0	66.3	66.3	66.3	27.0	27.0
8-9 AM	3049	0.0	1598	0.0	OFF	3049	0	1598+	0.00	0	66.9	66.9	66.9	28.1	28.1
9-10 AM	2621	0.0	1374	0.0	OFF	2621	0	1374+	0.00	0	67.5	67.5	67.5	29.1	29.1
10-11 AM	2850	0.0	1494	0.0	OFF	2850	0	1494+	0.00	0	67.2	67.2	67.2	28.6	28.6
11A-NOON	3177	0.0	1665	0.0	OFF	3177	0	1665+	0.00	0	66.8	66.8	66.8	27.8	27.8
NOON-1PM	3417	0.0	1792	0.0	OFF	3417	0	1792+	0.00	0	66.5	66.5	66.5	27.3	27.3
1-2 PM	3675	0.0	1926	0.0	OFF	3675	0	1926+	0.00	0	65.8	65.8	65.8	26.8	26.8
2-3 PM	3959	0.0	2076	0.0	OFF	3959	0	2076+	0.00	0	63.8	63.8	63.8	26.1	26.1
3-4 PM	4714	0.0	2472	0.0	OFF	4714	0	2472+	0.00	0	58.7	58.7	58.7	24.5	24.5
4-5 PM	5035	0.0	2640	0.0	OFF	5035	0	2640+	0.00	0	56.4	56.4	56.4	23.8	23.8
5-6 PM	4568	0.0	2395	0.0	OFF	4568	0	2395+	0.00	0	59.6	59.6	59.6	24.8	24.8
6-7 PM	3545	0.0	1858	0.0	OFF	3545	0	1858+	0.00	0	66.3	66.3	66.3	27.0	27.0
7-8 PM	2725	0.0	1428	0.0	1499	1838	887	2315+	14.33	359	67.4	13.4	32.9	28.8	25.2
8-9 PM	2215	0.0	1162	0.0	1499	1470	746	1907+	13.23	319	68.0	14.3	30.8	29.9	26.8
9-10 PM	1820	0.0	954	0.0	1499	1465	355	1309+	11.83	281	68.5	15.6	30.8	30.8	29.3
10-11 PM	1323	0.0	694	0.0	1499	1303	20	714	8.15	196	69.1	20.7	31.9	31.9	31.8
11PM-MID	861	0.0	451	0.0	1500	861	0	451	0.72	5	69.7	57.6	42.2	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	0.0374
MAIN ROUTE WITH WORKS	0.0355
DIVERSION	0.3434

PIA: Personal Injury Accidents

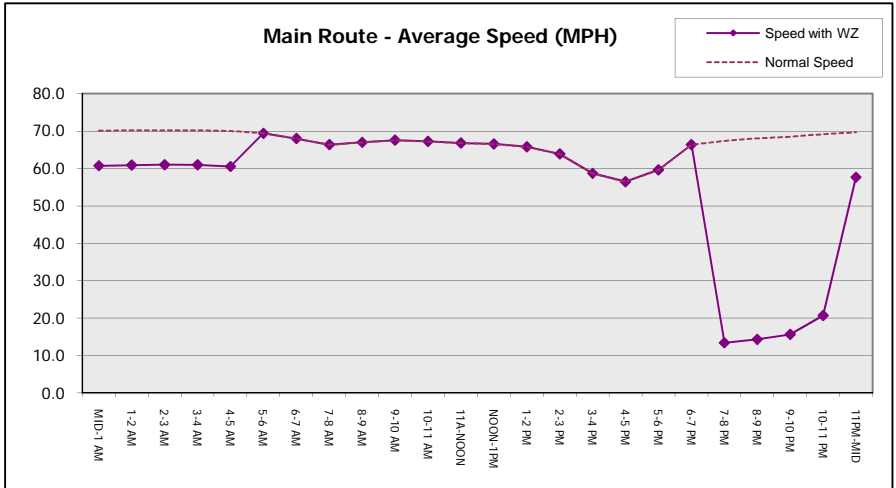
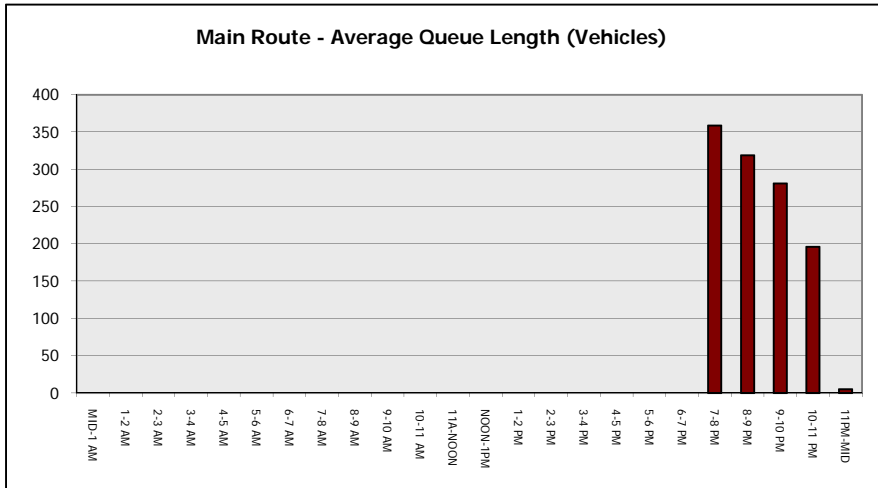
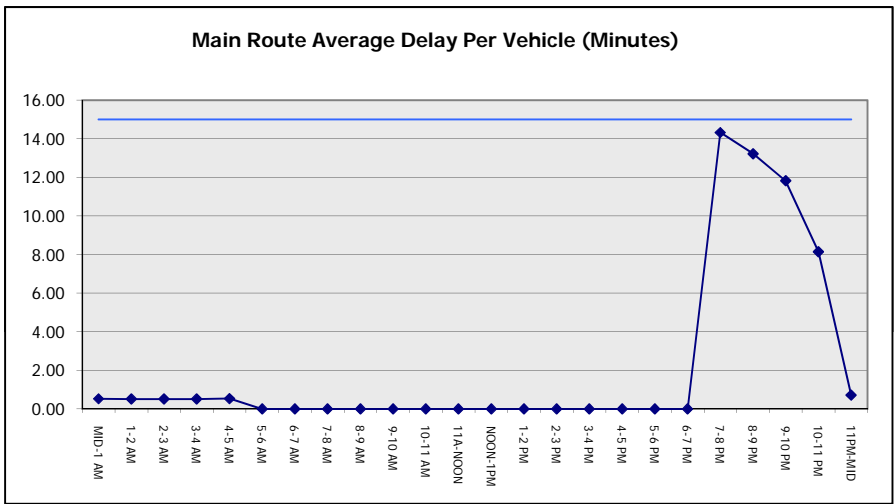
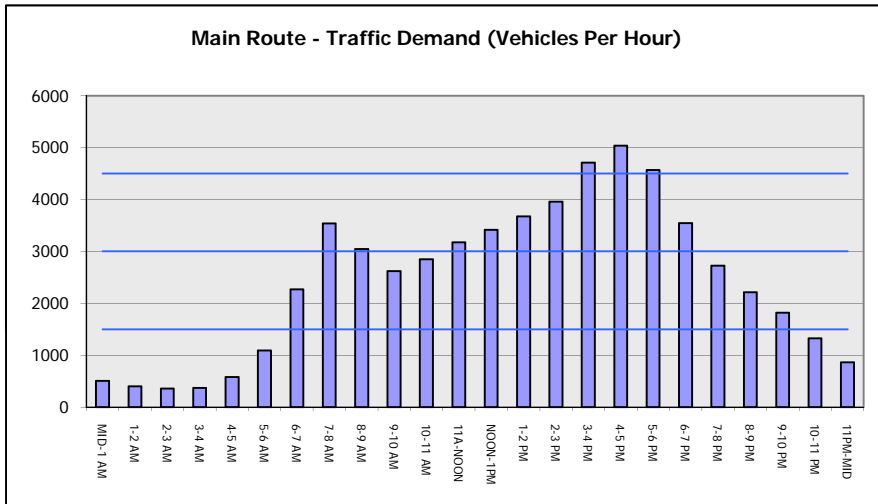
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$27,027
CONGESTED HOURS PER DAY*	0

*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

OCTOBER
 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) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: BELTLINE - USH 51 - STH 30	OCTOBER 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		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	426	0.0	223	0.0	1500	426	0	223	0.52	0	70.2	60.9	43.8	33.8	33.8
1-2 AM	370	0.0	194	0.0	1500	370	0	194	0.52	0	70.2	60.9	44.0	34.0	34.0
2-3 AM	374	0.0	196	0.0	1500	374	0	196	0.52	0	70.2	60.9	44.0	34.0	34.0
3-4 AM	439	0.0	230	0.0	1500	439	0	230	0.53	0	70.2	60.8	43.7	33.8	33.8
4-5 AM	524	0.0	275	0.0	1500	524	0	275	0.54	0	70.1	60.6	43.4	33.7	33.7
5-6 AM	1131	0.0	593	0.0	OFF	1131	0	593	0.00	0	69.3	69.3	69.3	32.3	32.3
6-7 AM	2623	0.0	1375	0.0	OFF	2623	0	1375+	0.00	0	67.5	67.5	67.5	29.1	29.1
7-8 AM	3279	0.0	1718	0.0	OFF	3279	0	1718+	0.00	0	66.6	66.6	66.6	27.6	27.6
8-9 AM	2735	0.0	1434	0.0	OFF	2735	0	1434+	0.00	0	67.3	67.3	67.3	28.8	28.8
9-10 AM	2453	0.0	1286	0.0	OFF	2453	0	1286+	0.00	0	67.7	67.7	67.7	29.4	29.4
10-11 AM	2604	0.0	1366	0.0	OFF	2604	0	1366+	0.00	0	67.5	67.5	67.5	29.1	29.1
11A-NOON	2865	0.0	1502	0.0	OFF	2865	0	1502+	0.00	0	67.2	67.2	67.2	28.5	28.5
NOON-1PM	2974	0.0	1559	0.0	OFF	2974	0	1559+	0.00	0	67.1	67.1	67.1	28.3	28.3
1-2 PM	3191	0.0	1673	0.0	OFF	3191	0	1673+	0.00	0	66.8	66.8	66.8	27.8	27.8
2-3 PM	3513	0.0	1842	0.0	OFF	3513	0	1842+	0.00	0	66.4	66.4	66.4	27.1	27.1
3-4 PM	3848	0.0	2018	0.0	OFF	3848	0	2018+	0.00	0	64.6	64.6	64.6	26.4	26.4
4-5 PM	4272	0.0	2239	0.0	OFF	4272	0	2239+	0.00	0	61.7	61.7	61.7	25.5	25.5
5-6 PM	3897	0.0	2044	0.0	OFF	3897	0	2044+	0.00	0	64.2	64.2	64.2	26.3	26.3
6-7 PM	3020	0.0	1583	0.0	OFF	3020	0	1583+	0.00	0	67.0	67.0	67.0	28.2	28.2
7-8 PM	2391	0.0	1254	0.0	1499	1826	566	1819+	12.47	308	67.8	15.0	32.8	29.6	27.2
8-9 PM	1856	0.0	973	0.0	1499	1451	405	1379+	11.98	285	68.4	15.5	30.8	30.7	29.1
9-10 PM	1517	0.0	795	0.0	1499	1445	72	867	10.69	251	68.9	17.0	30.8	31.5	31.2
10-11 PM	1157	0.0	607	0.0	1499	1157	0	607	2.99	89	69.3	37.2	36.5	32.2	32.2
11PM-MID	804	0.0	422	0.0	1500	804	0	422	0.57	0	69.7	59.9	42.4	33.0	33.0

"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	0.0333
MAIN ROUTE WITH WORKS	0.0320
DIVERSION	0.2981

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$19,338
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

