

IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 73 - USH 12	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	361	0.0	65	0.0	1500	361	0	65	0.46	0	65.7	63.9	44.0	38.9	38.9
1-2 AM	295	0.0	53	0.0	1500	295	0	53	0.45	0	65.8	64.1	44.3	39.1	39.1
2-3 AM	342	0.0	62	0.0	1500	342	0	62	0.46	0	65.8	64.0	44.1	39.0	39.0
3-4 AM	348	0.0	63	0.0	1500	348	0	63	0.46	0	65.8	64.0	44.1	38.9	38.9
4-5 AM	547	0.0	98	0.0	1500	547	0	98	0.48	0	65.4	63.5	43.3	38.5	38.5
5-6 AM	1041	0.0	186	0.0	OFF	1041	0	186	0.00	0	64.5	64.5	64.5	37.4	37.4
6-7 AM	1578	0.0	283	0.0	OFF	1578	0	283	0.00	0	63.5	63.5	63.5	36.2	36.3
7-8 AM	1633	0.0	293	0.0	OFF	1633	0	293	0.00	0	63.3	63.3	63.3	36.1	36.1
8-9 AM	1413	0.0	253	0.0	OFF	1413	0	253	0.00	0	63.8	63.8	63.8	36.6	36.6
9-10 AM	1395	0.0	250	0.0	OFF	1395	0	250	0.00	0	63.8	63.8	63.8	36.6	36.6
10-11 AM	1480	0.0	265	0.0	OFF	1480	0	265	0.00	0	63.7	63.7	63.7	36.5	36.5
11A-NOON	1534	0.0	275	0.0	OFF	1534	0	275	0.00	0	63.5	63.5	63.5	36.3	36.3
NOON-1PM	1534	0.0	275	0.0	OFF	1534	0	275	0.00	0	63.5	63.5	63.5	36.3	36.3
1-2 PM	1609	0.0	288	0.0	OFF	1609	0	288	0.00	0	63.4	63.4	63.4	36.1	36.1
2-3 PM	1642	0.0	294	0.0	OFF	1642	0	294	0.00	0	63.3	63.3	63.3	36.1	36.1
3-4 PM	1796	0.0	321	0.0	OFF	1796	0	321	0.00	0	63.0	63.0	63.0	35.8	35.8
4-5 PM	1830	0.0	327	0.0	OFF	1830	0	327	0.00	0	63.0	63.0	63.0	35.7	35.7
5-6 PM	1552	0.0	278	0.0	OFF	1552	0	278	0.00	0	63.5	63.5	63.5	36.3	36.3
6-7 PM	1209	0.0	217	0.0	OFF	1209	0	217	0.00	0	64.1	64.1	64.1	37.1	37.1
7-8 PM	1030	0.0	184	0.0	1500	1030	0	184	0.52	0	64.5	62.5	41.5	37.4	37.4
8-9 PM	946	0.0	170	0.0	1500	946	0	170	0.51	0	64.6	62.7	41.9	37.6	37.6
9-10 PM	793	0.0	142	0.0	1500	793	0	142	0.50	0	64.9	63.0	42.4	38.0	38.0
10-11 PM	615	0.0	110	0.0	1500	615	0	110	0.48	0	65.3	63.4	43.1	38.4	38.4
11PM-MID	411	0.0	73	0.0	1500	411	0	73	0.46	0	65.6	63.8	43.8	38.8	38.8

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0767
MAIN ROUTE WITH WORKS	0.0764
DIVERSION	0.1259

PIA: Personal Injury Accidents

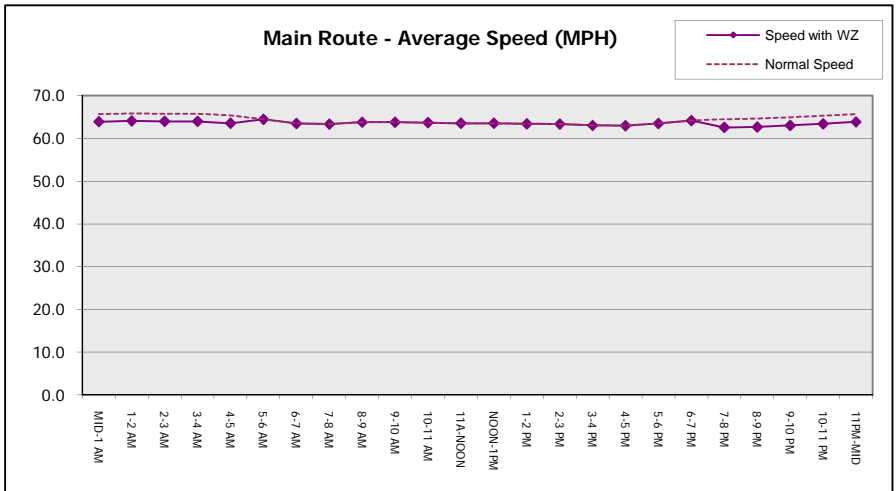
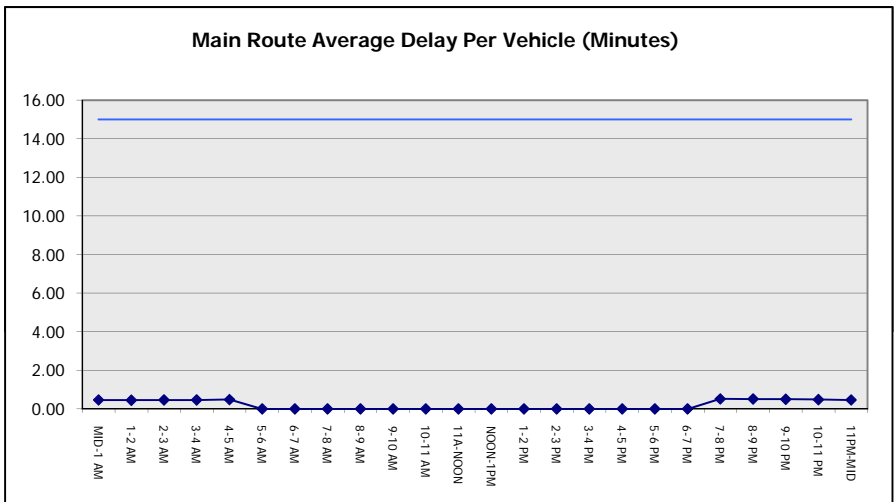
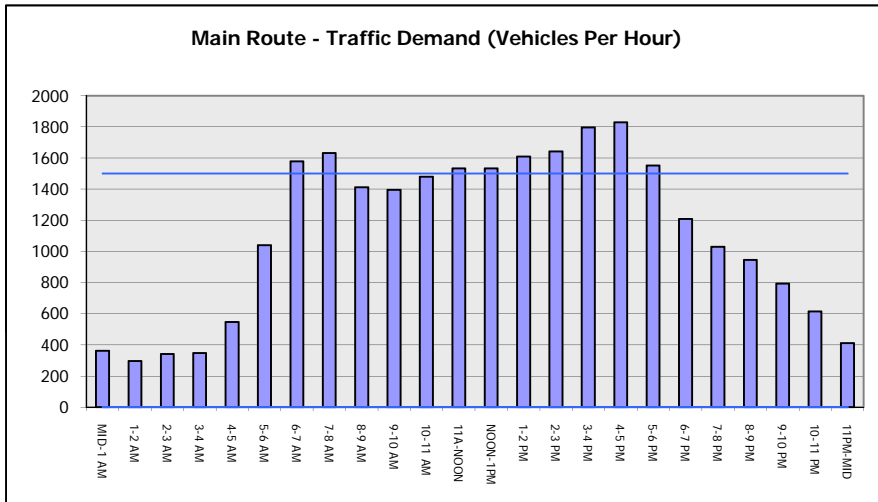
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$563
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**IH 39/90: BELTLINE TO STH 73 (DANE COUNTY)
 NIGHTTIME CLOSURE
 DIVERSION ROUTE: STH 73 - USH 12**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



IH 39/90: BELTLINE TO STH 73 (DANE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 73 - USH 12	OCTOBER
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SUMMARY OF TRAFFIC MODEL OUTPUT	
MON-THUR	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	355	0.0	64	0.0	1500	355	0	64	0.46	0	65.7	64.0	44.1	38.9	38.9
1-2 AM	300	0.0	53	0.0	1500	300	0	53	0.45	0	65.8	64.0	44.3	39.1	39.1
2-3 AM	331	0.0	60	0.0	1500	331	0	60	0.45	0	65.8	64.0	44.2	39.0	39.0
3-4 AM	399	0.0	71	0.0	1500	399	0	71	0.46	0	65.6	63.8	43.9	38.9	38.9
4-5 AM	515	0.0	92	0.0	1500	515	0	92	0.47	0	65.5	63.6	43.5	38.6	38.6
5-6 AM	747	0.0	134	0.0	OFF	747	0	134	0.00	0	65.0	65.0	65.0	38.1	38.1
6-7 AM	1095	0.0	196	0.0	OFF	1095	0	196	0.00	0	64.3	64.3	64.3	37.3	37.3
7-8 AM	1438	0.0	257	0.0	OFF	1438	0	257	0.00	0	63.7	63.7	63.7	36.6	36.6
8-9 AM	1389	0.0	249	0.0	OFF	1389	0	249	0.00	0	63.8	63.8	63.8	36.6	36.6
9-10 AM	1456	0.0	261	0.0	OFF	1456	0	261	0.00	0	63.7	63.7	63.7	36.5	36.5
10-11 AM	1534	0.0	275	0.0	OFF	1534	0	275	0.00	0	63.5	63.5	63.5	36.3	36.3
11A-NOON	1631	0.0	292	0.0	OFF	1631	0	292	0.00	0	63.3	63.3	63.3	36.1	36.1
NOON-1PM	1714	0.0	307	0.0	OFF	1714	0	307	0.00	0	63.2	63.2	63.2	36.0	36.0
1-2 PM	1837	0.0	330	0.0	OFF	1837	0	330	0.00	0	63.0	63.0	63.0	35.6	35.6
2-3 PM	2009	0.0	360	0.0	OFF	2009	0	360	0.00	0	62.7	62.7	62.7	35.3	35.3
3-4 PM	2230	0.0	400	0.0	OFF	2230	0	400	0.00	0	62.2	62.2	62.2	34.8	34.8
4-5 PM	2316	0.0	414	0.0	OFF	2316	0	414	0.00	0	62.1	62.1	62.1	34.6	34.6
5-6 PM	2099	0.0	376	0.0	OFF	2099	0	376	0.00	0	62.5	62.5	62.5	35.1	35.1
6-7 PM	1558	0.0	279	0.0	OFF	1558	0	279	0.00	0	63.5	63.5	63.5	36.3	36.3
7-8 PM	1192	0.0	213	0.0	1500	1192	0	213	0.63	0	64.1	61.9	38.7	37.1	37.1
8-9 PM	978	0.0	175	0.0	1500	978	0	175	0.52	0	64.6	62.6	41.7	37.6	37.6
9-10 PM	818	0.0	146	0.0	1500	818	0	146	0.50	0	64.8	63.0	42.4	37.9	37.9
10-11 PM	618	0.0	111	0.0	1500	618	0	111	0.48	0	65.2	63.4	43.0	38.4	38.4
11PM-MID	430	0.0	77	0.0	1500	430	0	77	0.46	0	65.6	63.8	43.8	38.8	38.8

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0826
MAIN ROUTE WITH WORKS	0.0822
DIVERSION	0.1354

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$616
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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NIGHTTIME CLOSURE
DIVERSION ROUTE: STH 73 - USH 12

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

