

<b>IH 39/90: BELTLINE TO STH 73 (DANE COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>DIVERSION ROUTE: STH 73 - USH 12</b>	<b>OCTOBER</b>
	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	OFF	361	0	65	0.00	0	65.7	65.7	65.7	38.9	38.9
1-2 AM	295	0.0	53	0.0	OFF	295	0	53	0.00	0	65.8	65.8	65.8	39.1	39.1
2-3 AM	342	0.0	62	0.0	OFF	342	0	62	0.00	0	65.8	65.8	65.8	39.0	39.0
3-4 AM	348	0.0	63	0.0	OFF	348	0	63	0.00	0	65.8	65.8	65.8	38.9	38.9
4-5 AM	547	0.0	98	0.0	OFF	547	0	98	0.00	0	65.4	65.4	65.4	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	1500	1395	0	250	0.89	0	63.8	60.6	33.1	36.6	36.6
10-11 AM	1480	0.0	265	0.0	1499	1480	0	265	1.00	0	63.7	60.1	31.2	36.5	36.5
11A-NOON	1534	0.0	275	0.0	1499	1534	0	275	1.58	15	63.5	58.1	30.8	36.3	36.3
NOON-1PM	1534	0.0	275	0.0	1499	1534	0	275	2.82	48	63.5	54.5	30.8	36.3	36.3
1-2 PM	1609	0.0	288	0.0	1500	1609	0	288	5.37	119	63.4	48.1	30.8	36.1	36.1
2-3 PM	1642	0.0	294	0.0	1499	1642	0	294	9.90	242	63.3	40.0	30.8	36.1	36.1
3-4 PM	1796	0.0	321	0.0	1500	1770	26	347	17.69	458	63.0	30.9	30.8	35.8	35.5
4-5 PM	1830	0.0	327	0.0	OFF	1830	0	327	1.55	79	63.0	57.8	57.8	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	OFF	1030	0	184	0.00	0	64.5	64.5	64.5	37.4	37.4
8-9 PM	946	0.0	170	0.0	OFF	946	0	170	0.00	0	64.6	64.6	64.6	37.6	37.6
9-10 PM	793	0.0	142	0.0	OFF	793	0	142	0.00	0	64.9	64.9	64.9	38.0	38.0
10-11 PM	615	0.0	110	0.0	OFF	615	0	110	0.00	0	65.3	65.3	65.3	38.4	38.4
11PM-MID	411	0.0	73	0.0	OFF	411	0	73	0.00	0	65.6	65.6	65.6	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	0.0767
MAIN ROUTE WITH WORKS	0.0759
DIVERSION	0.1265

PIA: Personal Injury Accidents

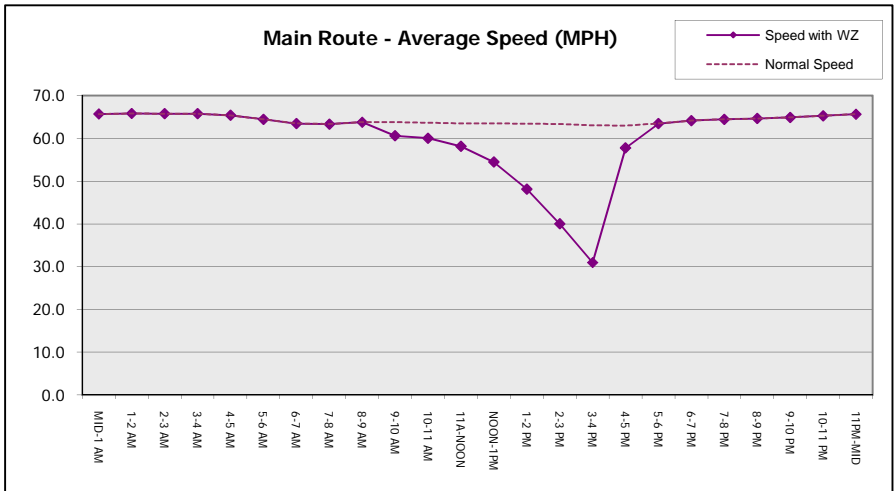
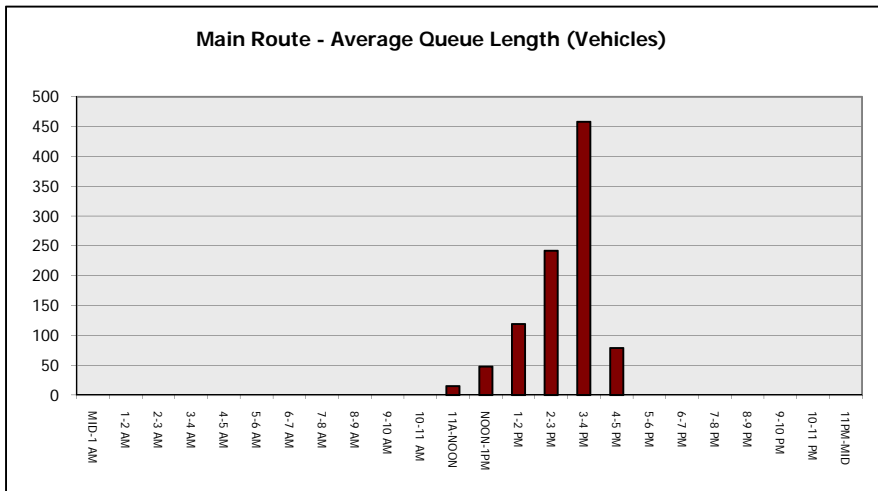
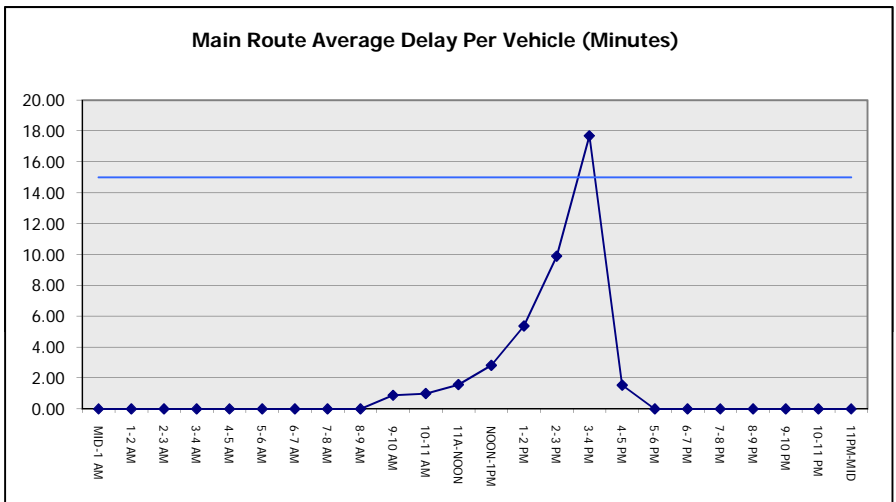
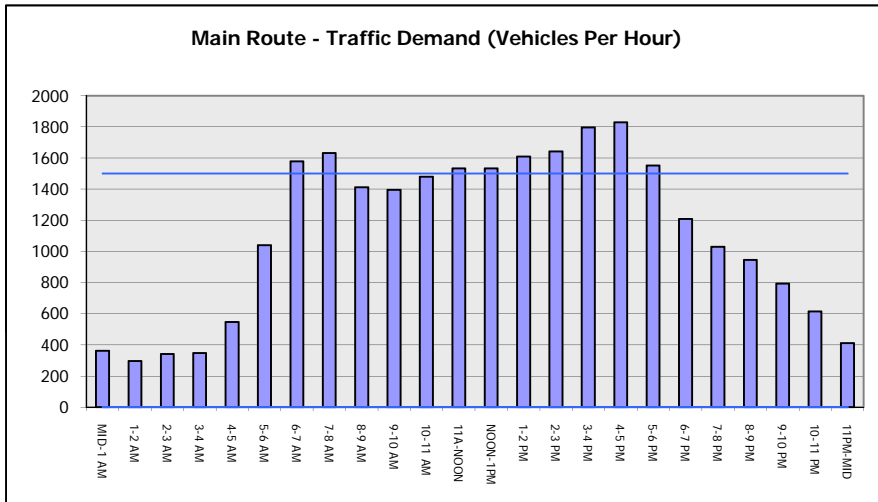
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$12,314
CONGESTED HOURS PER DAY*	1

\*Delays Exceeding 15 Minutes

**IH 39/90: BELTLINE TO STH 73 (DANE COUNTY)**  
**OFF-PEAK DAY 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**



<b>IH 39/90: BELTLINE TO STH 73 (DANE COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>DIVERSION ROUTE: STH 73 - USH 12</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
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	OFF	355	0	64	0.00	0	65.7	65.7	65.7	38.9	38.9
1-2 AM	300	0.0	53	0.0	OFF	300	0	53	0.00	0	65.8	65.8	65.8	39.1	39.1
2-3 AM	331	0.0	60	0.0	OFF	331	0	60	0.00	0	65.8	65.8	65.8	39.0	39.0
3-4 AM	399	0.0	71	0.0	OFF	399	0	71	0.00	0	65.6	65.6	65.6	38.9	38.9
4-5 AM	515	0.0	92	0.0	OFF	515	0	92	0.00	0	65.5	65.5	65.5	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	1499	1456	0	261	0.97	0	63.7	60.2	31.7	36.5	36.5
10-11 AM	1534	0.0	275	0.0	1499	1534	0	275	1.44	11	63.5	58.6	30.8	36.3	36.3
11A-NOON	1631	0.0	292	0.0	1500	1631	0	292	4.40	94	63.3	50.3	30.8	36.1	36.1
NOON-1PM	1714	0.0	307	0.0	1500	1714	0	307	10.65	266	63.2	38.8	30.8	36.0	36.0
1-2 PM	1837	0.0	330	0.0	1500	1754	83	413	20.03	521	63.0	28.9	30.8	35.6	34.6
2-3 PM	2009	0.0	360	0.0	1499	1621	388	748	26.59	696	62.7	24.5	30.8	35.3	30.4
3-4 PM	2230	0.0	400	0.0	1500	1638	592	992	31.29	826	62.2	22.1	30.8	34.8	27.4
4-5 PM	2316	0.0	414	0.0	OFF	2316	0	414	6.27	236	62.1	45.6	45.6	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	OFF	1192	0	213	0.00	0	64.1	64.1	64.1	37.1	37.1
8-9 PM	978	0.0	175	0.0	OFF	978	0	175	0.00	0	64.6	64.6	64.6	37.6	37.6
9-10 PM	818	0.0	146	0.0	OFF	818	0	146	0.00	0	64.8	64.8	64.8	37.9	37.9
10-11 PM	618	0.0	111	0.0	OFF	618	0	111	0.00	0	65.2	65.2	65.2	38.4	38.4
11PM-MID	430	0.0	77	0.0	OFF	430	0	77	0.00	0	65.6	65.6	65.6	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	0.0788
DIVERSION	0.1631

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$36,342
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding 15 Minutes

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

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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

