

**IH 39/90: BELTLINE TO STH 73 (DANE COUNTY)
CONTINUOUS (24 HOUR) 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	1499	1041	0	186	0.55	0	64.5	62.3	40.7	37.4	37.4
6-7 AM	1578	0.0	283	0.0	1499	1578	0	283	1.74	20	63.5	57.6	30.8	36.2	36.3
7-8 AM	1633	0.0	293	0.0	1500	1633	0	293	6.47	149	63.3	45.8	30.8	36.1	36.1
8-9 AM	1413	0.0	253	0.0	1499	1413	0	253	7.51	175	63.8	44.1	30.8	36.6	36.6
9-10 AM	1395	0.0	250	0.0	1500	1395	0	250	3.55	69	63.8	52.7	31.1	36.6	36.6
10-11 AM	1480	0.0	265	0.0	1500	1480	0	265	1.19	4	63.7	59.4	31.0	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	1499	1552	278	606	24.28	631	63.0	26.0	30.8	35.7	32.2
5-6 PM	1552	0.0	278	0.0	1499	1371	181	460	22.21	573	63.5	27.4	30.8	36.3	34.0
6-7 PM	1209	0.0	217	0.0	1499	1209	0	217	14.94	381	64.1	33.9	31.1	37.1	37.1
7-8 PM	1030	0.0	184	0.0	1499	1030	0	184	2.37	55	64.5	56.4	39.5	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

----- 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	0.0736
DIVERSION	0.1385

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

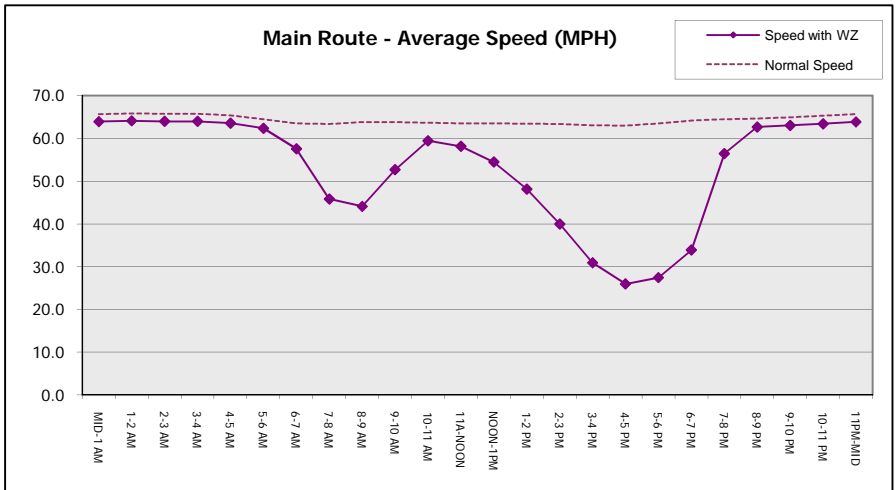
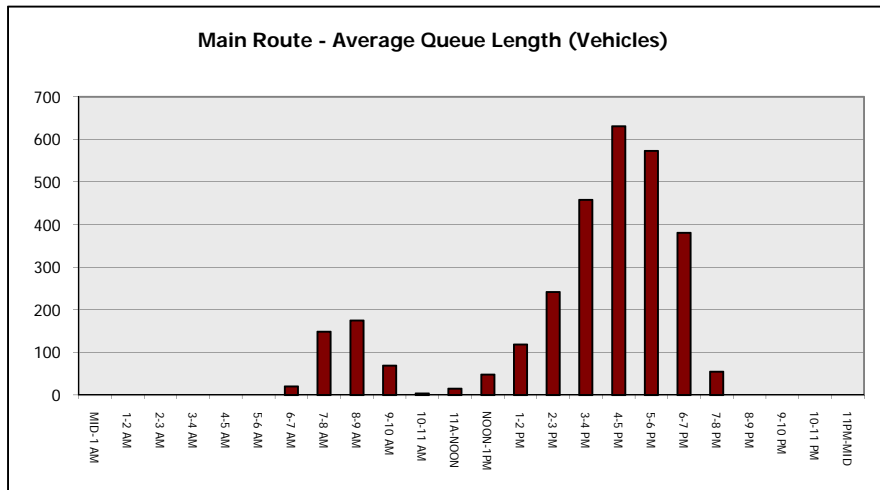
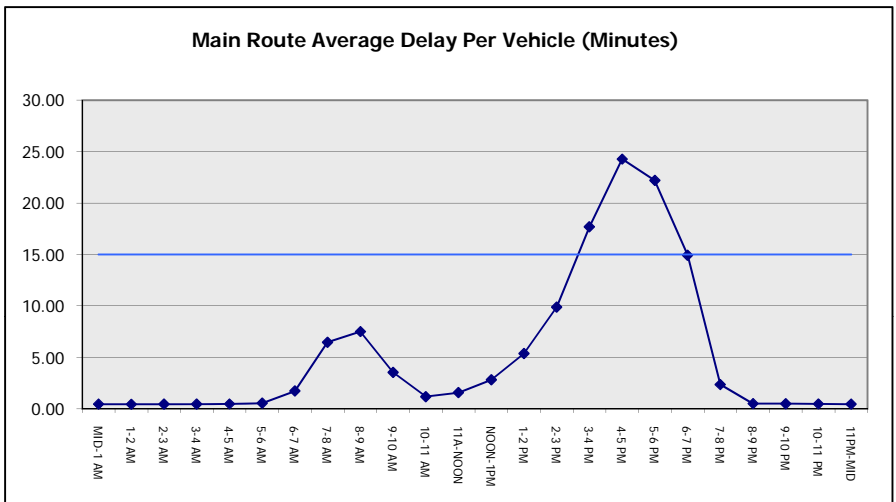
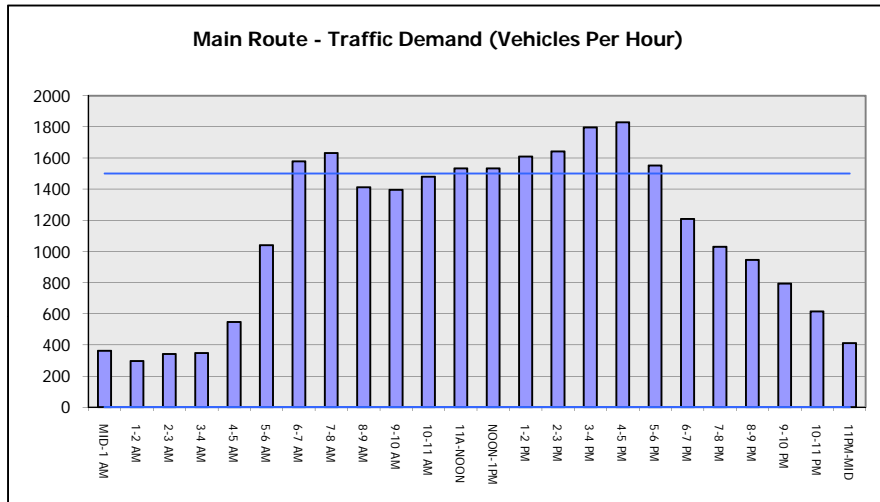
ROAD USER COSTS PER DAY (DOLLARS)	\$45,587
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

**IH 39/90: BELTLINE TO STH 73 (DANE COUNTY)
 CONTINUOUS (24 HOUR) 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) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 73 - USH 12	OCTOBER
	Analyzed for 2009 Construction Season

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	1500	747	0	134	0.49	0	65.0	63.1	42.6	38.1	38.1
6-7 AM	1095	0.0	196	0.0	1500	1095	0	196	0.53	0	64.3	62.3	41.4	37.3	37.3
7-8 AM	1438	0.0	257	0.0	1500	1438	0	257	0.94	0	63.7	60.3	32.1	36.6	36.6
8-9 AM	1389	0.0	249	0.0	1500	1389	0	249	0.88	0	63.8	60.6	33.2	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	1500	1567	749	1163	35.33	936	62.1	20.4	30.8	34.6	25.3
5-6 PM	2099	0.0	376	0.0	1500	1361	738	1114	34.20	904	62.5	20.9	30.8	35.1	25.9
6-7 PM	1558	0.0	279	0.0	1500	1196	362	642	24.99	654	63.5	25.6	30.8	36.3	31.8
7-8 PM	1192	0.0	213	0.0	1499	1192	0	213	14.82	379	64.1	34.0	31.2	37.1	37.1
8-9 PM	978	0.0	175	0.0	1500	978	0	175	2.00	45	64.6	57.6	40.6	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

----- 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	0.0726
DIVERSION	0.2114

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$94,416
CONGESTED HOURS PER DAY*	6

*Delays Exceeding 15 Minutes

IH 39/90: BELTLINE TO STH 73 (DANE COUNTY)
CONTINUOUS (24 HOUR) 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

