

**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

SATURDAY 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	466	0.0	84	0.0	1500	466	0	84	0.47	0	65.5	63.7	43.7	38.7	38.7
1-2 AM	351	0.0	63	0.0	1500	351	0	63	0.46	0	65.7	64.0	44.1	38.9	38.9
2-3 AM	316	0.0	57	0.0	1500	316	0	57	0.45	0	65.8	64.0	44.2	39.1	39.1
3-4 AM	262	0.0	47	0.0	1500	262	0	47	0.45	0	65.9	64.1	44.5	39.2	39.2
4-5 AM	365	0.0	66	0.0	1500	365	0	66	0.46	0	65.7	63.9	44.0	38.9	38.9
5-6 AM	545	0.0	97	0.0	1500	545	0	97	0.48	0	65.4	63.5	43.3	38.6	38.6
6-7 AM	852	0.0	153	0.0	1500	852	0	153	0.50	0	64.8	62.9	42.2	37.8	37.8
7-8 AM	1378	0.0	247	0.0	1499	1378	0	247	0.98	3	63.8	60.3	34.2	36.7	36.7
8-9 AM	2075	0.0	371	0.0	1500	2075	0	371	9.92	274	62.5	39.6	30.8	35.1	35.1
9-10 AM	2284	0.0	409	0.0	1499	1802	482	891	29.15	772	62.1	23.1	30.8	34.7	28.7
10-11 AM	2228	0.0	399	0.0	1499	1510	717	1116	34.19	904	62.2	20.9	30.8	34.8	25.9
11A-NOON	2129	0.0	381	0.0	1499	1440	689	1070	33.13	874	62.4	21.3	30.8	35.0	26.5
NOON-1PM	2025	0.0	362	0.0	1499	1425	600	962	30.75	809	62.6	22.4	30.8	35.3	27.8
1-2 PM	1810	0.0	324	0.0	1499	1381	429	754	26.78	700	63.0	24.5	30.8	35.7	30.4
2-3 PM	1827	0.0	327	0.0	1500	1491	336	664	25.22	657	63.0	25.4	30.8	35.7	31.5
3-4 PM	1427	0.0	255	0.0	1499	1321	106	361	20.75	534	63.7	28.6	30.8	36.6	35.3
4-5 PM	1494	0.0	268	0.0	1500	1494	0	268	17.59	446	63.6	31.1	30.8	36.4	36.4
5-6 PM	1804	0.0	323	0.0	1500	1664	140	463	21.92	568	63.0	27.6	30.8	35.7	34.0
6-7 PM	1351	0.0	242	0.0	1499	1270	81	323	19.58	503	63.8	29.5	30.8	36.8	35.7
7-8 PM	1114	0.0	200	0.0	1499	1114	0	200	8.00	209	64.3	43.5	34.2	37.3	37.3
8-9 PM	944	0.0	169	0.0	1500	944	0	170	0.51	0	64.6	62.7	41.9	37.6	37.6
9-10 PM	806	0.0	144	0.0	1500	806	0	144	0.50	0	64.9	63.0	42.4	37.9	37.9
10-11 PM	579	0.0	104	0.0	1500	579	0	104	0.48	0	65.3	63.5	43.2	38.4	38.4
11PM-MID	419	0.0	75	0.0	1500	419	0	75	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	0.0822
MAIN ROUTE WITH WORKS	0.0703
DIVERSION	0.2282

PIA: Personal Injury Accidents

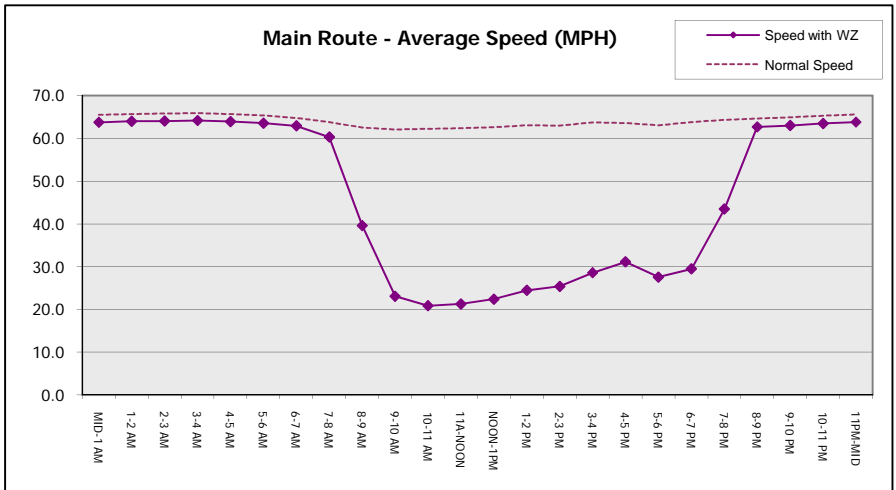
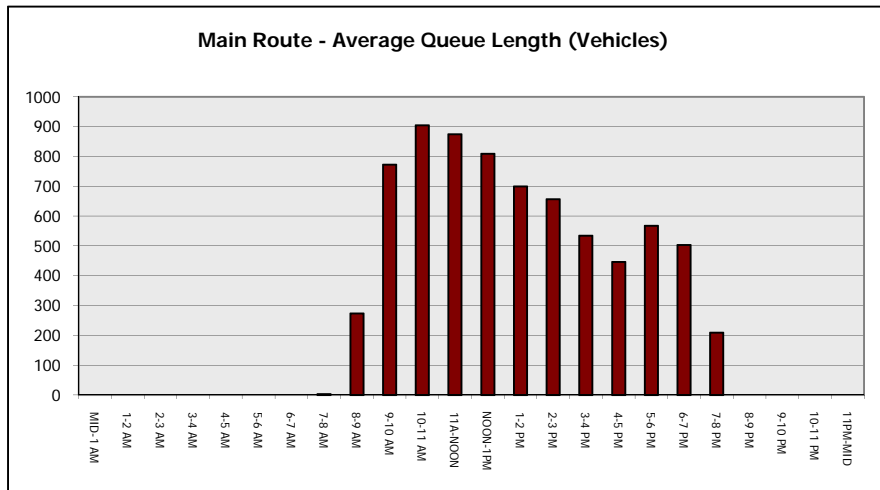
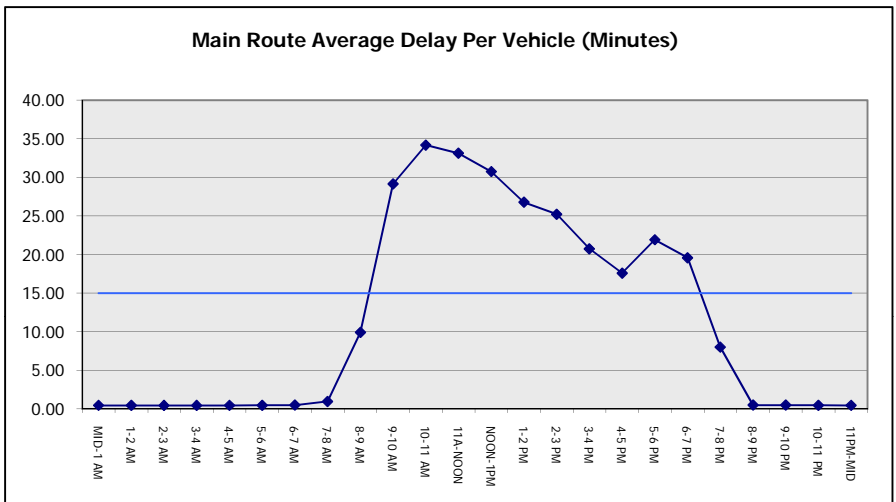
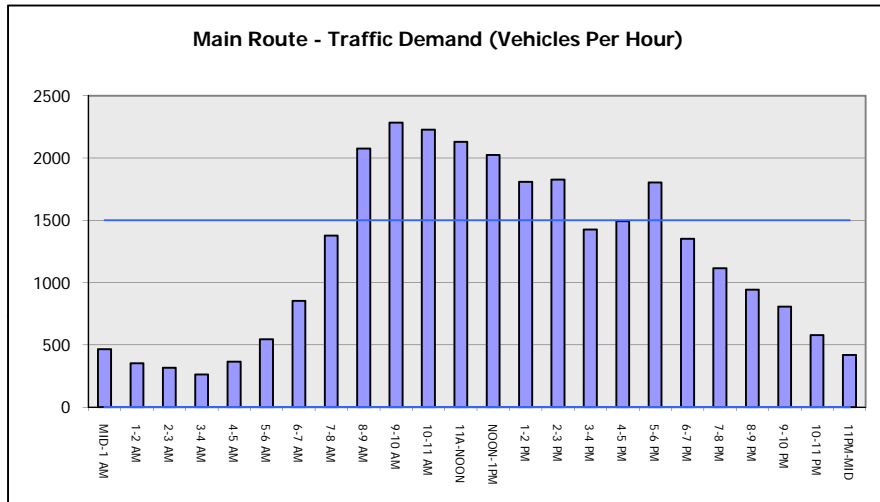
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$156,199
CONGESTED HOURS PER DAY*	10

*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
SATURDAY 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

SATURDAY 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	430	0.0	77	0.0	1500	430	0	77	0.46	0	65.6	63.8	43.8	38.8	38.8
1-2 AM	334	0.0	60	0.0	1500	334	0	60	0.45	0	65.8	64.0	44.2	39.0	39.0
2-3 AM	289	0.0	52	0.0	1500	289	0	52	0.45	0	65.8	64.1	44.3	39.1	39.1
3-4 AM	298	0.0	53	0.0	1500	298	0	53	0.45	0	65.8	64.0	44.3	39.1	39.1
4-5 AM	347	0.0	62	0.0	1500	347	0	62	0.46	0	65.8	64.0	44.1	39.0	39.0
5-6 AM	380	0.0	68	0.0	1500	380	0	68	0.46	0	65.7	63.9	44.0	38.9	38.9
6-7 AM	540	0.0	96	0.0	1500	540	0	96	0.47	0	65.4	63.5	43.3	38.6	38.6
7-8 AM	819	0.0	146	0.0	1500	819	0	146	0.50	0	64.8	63.0	42.3	37.9	37.9
8-9 AM	1236	0.0	222	0.0	1499	1236	0	222	0.68	0	64.1	61.6	37.6	37.0	37.0
9-10 AM	1568	0.0	280	0.0	1499	1568	0	280	1.67	18	63.5	57.8	30.8	36.3	36.3
10-11 AM	1722	0.0	309	0.0	1500	1722	0	309	7.13	171	63.2	44.5	30.8	35.9	35.9
11A-NOON	1791	0.0	321	0.0	1500	1779	13	334	16.62	430	63.0	31.9	30.8	35.8	35.6
NOON-1PM	1861	0.0	333	0.0	1499	1594	267	600	24.16	629	62.9	26.0	30.8	35.6	32.3
1-2 PM	1840	0.0	330	0.0	1499	1499	341	670	25.32	660	63.0	25.3	30.8	35.6	31.4
2-3 PM	1908	0.0	342	0.0	1500	1541	366	709	25.94	677	62.8	25.0	30.8	35.5	30.9
3-4 PM	2127	0.0	381	0.0	1500	1618	509	890	29.21	769	62.4	23.1	30.8	35.0	28.7
4-5 PM	2076	0.0	371	0.0	1499	1476	600	971	30.93	814	62.5	22.3	30.8	35.1	27.7
5-6 PM	1891	0.0	339	0.0	1499	1392	499	838	28.30	742	62.8	23.7	30.8	35.5	29.3
6-7 PM	1743	0.0	312	0.0	1500	1411	332	644	24.93	649	63.2	25.6	30.8	35.9	31.7
7-8 PM	1386	0.0	248	0.0	1499	1316	70	318	19.80	508	63.8	29.3	30.8	36.6	35.8
8-9 PM	1107	0.0	198	0.0	1499	1107	0	198	8.95	235	64.3	41.9	34.0	37.3	37.3
9-10 PM	898	0.0	161	0.0	1500	898	0	161	0.53	0	64.7	62.7	42.0	37.8	37.8
10-11 PM	708	0.0	127	0.0	1500	708	0	127	0.49	0	65.1	63.2	42.7	38.2	38.2
11PM-MID	526	0.0	94	0.0	1500	526	0	94	0.47	0	65.4	63.6	43.4	38.6	38.6

----- 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	0.0793
MAIN ROUTE WITH WORKS	0.0691
DIVERSION	0.2081

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$133,675
CONGESTED HOURS PER DAY*	9

*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
SATURDAY EASTBOUND DIRECTION

