

<b>IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)</b> <b>CONTINUOUS (24 HOUR) 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 30 - USH 51</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	344	0.0	112	0.0	1500	344	0	112	0.51	0	70.2	63.5	44.1	39.2	39.2
1-2 AM	279	0.0	91	0.0	1500	279	0	91	0.51	0	70.2	63.6	44.3	39.3	39.3
2-3 AM	251	0.0	82	0.0	1500	251	0	82	0.50	0	70.2	63.6	44.5	39.4	39.4
3-4 AM	289	0.0	94	0.0	1500	289	0	94	0.51	0	70.2	63.5	44.3	39.3	39.3
4-5 AM	435	0.0	141	0.0	1500	435	0	141	0.53	0	70.2	63.3	43.8	39.1	39.1
5-6 AM	934	0.0	304	0.0	1499	934	0	304	0.59	0	69.6	62.1	41.7	38.3	38.3
6-7 AM	2030	0.0	661	0.0	1499	1700	330	991	5.33	126	68.2	33.0	30.8	36.6	35.0
7-8 AM	3174	0.0	1034	0.0	1499	1577	1597	2631+	11.06	265	66.8	21.1	30.8	34.8	27.1
8-9 AM	2540	0.0	827	0.0	1500	1427	1113	1940+	9.34	219	67.6	23.7	30.9	35.8	30.4
9-10 AM	1851	0.0	603	0.0	1499	1460	392	994	7.53	169	68.4	27.3	30.9	36.8	35.0
10-11 AM	1851	0.0	603	0.0	1499	1505	346	949	7.45	167	68.4	27.4	30.8	36.8	35.1
11A-NOON	1964	0.0	639	0.0	1500	1507	457	1096	7.70	173	68.3	26.9	30.8	36.6	34.5
NOON-1PM	2034	0.0	662	0.0	1500	1504	530	1192	7.87	178	68.2	26.5	30.8	36.6	34.0
1-2 PM	2116	0.0	690	0.0	1500	1507	609	1299+	8.06	183	68.1	26.1	30.8	36.5	33.5
2-3 PM	2368	0.0	771	0.0	1500	1522	846	1617+	8.66	200	67.8	25.0	30.8	36.0	32.0
3-4 PM	2960	0.0	965	0.0	1500	1554	1406	2371+	10.36	246	67.1	22.1	30.8	35.1	28.3
4-5 PM	3494	0.0	1137	0.0	1500	1546	1948	3085+	12.45	302	66.4	19.4	30.8	34.3	24.9
5-6 PM	3181	0.0	1036	0.0	1500	1446	1736	2771+	11.47	276	66.8	20.6	30.8	34.8	26.4
6-7 PM	2020	0.0	658	0.0	1500	1411	609	1267+	8.01	184	68.2	26.3	31.5	36.6	33.7
7-8 PM	1391	0.0	453	0.0	1499	1371	20	473	5.43	119	69.0	32.9	31.8	37.6	37.4
8-9 PM	1168	0.0	381	0.0	1500	1168	0	381	0.75	2	69.3	60.2	39.4	37.9	37.9
9-10 PM	1027	0.0	334	0.0	1500	1027	0	334	0.59	0	69.4	62.0	41.6	38.1	38.1
10-11 PM	772	0.0	251	0.0	1500	772	0	251	0.56	0	69.8	62.6	42.5	38.6	38.6
11PM-MID	527	0.0	172	0.0	1500	527	0	172	0.54	0	70.0	63.2	43.4	38.9	38.9

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.0354
MAIN ROUTE WITH WORKS	0.0228
DIVERSION	0.2514

PIA: Personal Injury Accidents

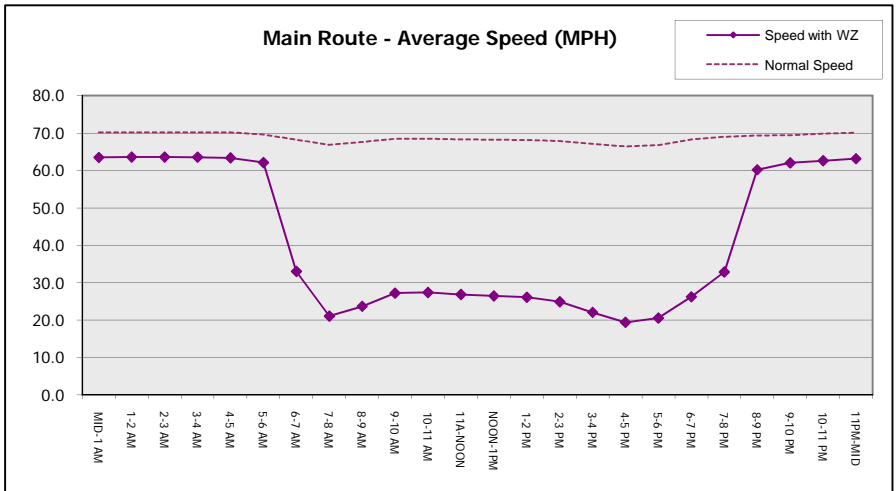
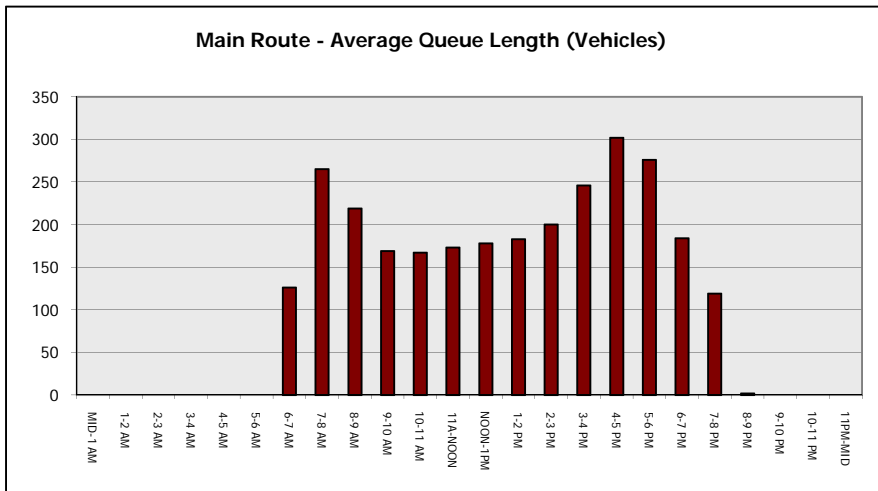
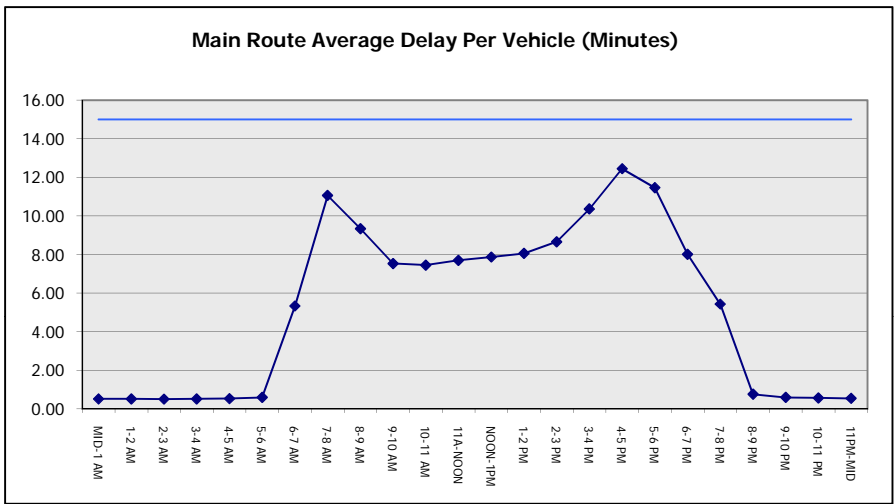
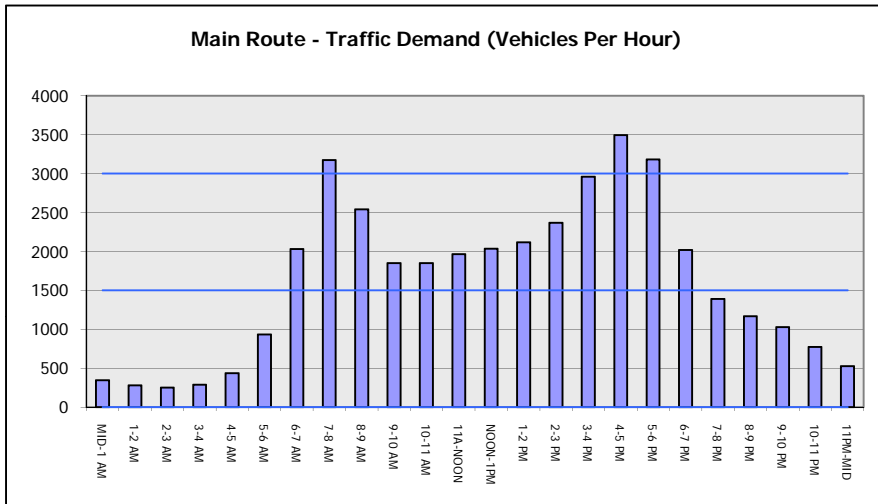
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$74,888
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)**  
**CONTINUOUS (24 HOUR) 2 LANE CLOSURE**  
**DIVERSION ROUTE: STH 30 - USH 51**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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



<b>IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)</b> <b>CONTINUOUS (24 HOUR) 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 30 - USH 51</b>	<b>OCTOBER</b>
	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	323	0.0	106	0.0	1500	323	0	106	0.51	0	70.2	63.5	44.2	39.2	39.2
1-2 AM	275	0.0	90	0.0	1500	275	0	90	0.51	0	70.2	63.6	44.4	39.3	39.3
2-3 AM	278	0.0	91	0.0	1500	278	0	91	0.51	0	70.2	63.6	44.3	39.3	39.3
3-4 AM	336	0.0	110	0.0	1500	336	0	110	0.51	0	70.2	63.5	44.2	39.2	39.2
4-5 AM	435	0.0	142	0.0	1500	435	0	142	0.53	0	70.2	63.3	43.8	39.1	39.1
5-6 AM	1024	0.0	334	0.0	1499	1024	0	334	0.68	0	69.5	61.0	39.4	38.1	38.1
6-7 AM	2405	0.0	784	0.0	1499	1728	677	1460+	8.34	197	67.8	25.5	31.7	36.0	32.7
7-8 AM	3033	0.0	988	0.0	1499	1527	1505	2493+	10.68	254	66.9	21.7	30.8	35.0	27.8
8-9 AM	2320	0.0	755	0.0	1500	1435	885	1641+	8.71	202	67.9	24.8	31.0	36.1	31.9
9-10 AM	1990	0.0	649	0.0	1499	1483	507	1156	7.81	176	68.2	26.6	30.8	36.6	34.2
10-11 AM	1937	0.0	631	0.0	1500	1499	437	1068	7.65	172	68.3	27.0	30.8	36.7	34.6
11A-NOON	2025	0.0	659	0.0	1500	1506	519	1178	7.84	177	68.2	26.6	30.8	36.6	34.1
NOON-1PM	2059	0.0	671	0.0	1500	1502	557	1228+	7.93	180	68.2	26.4	30.8	36.5	33.8
1-2 PM	2178	0.0	709	0.0	1500	1509	668	1378+	8.20	187	68.0	25.8	30.8	36.3	33.1
2-3 PM	2393	0.0	780	0.0	1500	1518	876	1655+	8.74	202	67.8	24.8	30.8	36.0	31.8
3-4 PM	2768	0.0	901	0.0	1500	1534	1234	2135+	9.78	230	67.3	23.0	30.8	35.4	29.4
4-5 PM	3311	0.0	1079	0.0	1500	1545	1765	2844+	11.68	281	66.6	20.3	30.8	34.5	26.0
5-6 PM	2941	0.0	958	0.0	1500	1448	1494	2452+	10.58	252	67.1	21.8	30.8	35.1	27.9
6-7 PM	1991	0.0	649	0.0	1500	1431	560	1209+	7.90	180	68.2	26.5	31.2	36.6	33.9
7-8 PM	1475	0.0	480	0.0	1499	1424	51	532	6.30	137	68.9	30.4	30.8	37.4	37.2
8-9 PM	1193	0.0	388	0.0	1500	1193	0	388	1.23	16	69.2	55.5	38.0	37.9	37.9
9-10 PM	999	0.0	325	0.0	1500	999	0	325	0.59	0	69.5	62.1	41.7	38.2	38.2
10-11 PM	753	0.0	246	0.0	1500	753	0	246	0.56	0	69.8	62.7	42.5	38.6	38.6
11PM-MID	521	0.0	170	0.0	1500	521	0	170	0.54	0	70.1	63.2	43.4	38.9	38.9

+ 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	0.0353
MAIN ROUTE WITH WORKS	0.0229
DIVERSION	0.2493

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$73,941
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)**  
**CONTINUOUS (24 HOUR) 2 LANE CLOSURE**  
**DIVERSION ROUTE: STH 30 - USH 51**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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

