

<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>AUGUST</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	432	0.0	140	0.0	1500	432	0	140	0.53	0	70.2	63.3	43.8	39.1	39.1
1-2 AM	312	0.0	102	0.0	1500	312	0	102	0.51	0	70.2	63.5	44.2	39.2	39.2
2-3 AM	272	0.0	89	0.0	1500	272	0	89	0.51	0	70.2	63.6	44.4	39.3	39.3
3-4 AM	291	0.0	95	0.0	1500	291	0	95	0.51	0	70.2	63.5	44.3	39.3	39.3
4-5 AM	455	0.0	149	0.0	1500	455	0	149	0.53	0	70.2	63.3	43.7	39.0	39.0
5-6 AM	923	0.0	300	0.0	1499	923	0	300	0.58	0	69.6	62.2	42.0	38.3	38.3
6-7 AM	2006	0.0	653	0.0	1499	1698	308	961	5.27	124	68.2	33.3	30.8	36.6	35.1
7-8 AM	2996	0.0	976	0.0	1499	1561	1435	2411+	10.47	249	67.0	22.0	30.8	35.0	28.1
8-9 AM	2564	0.0	835	0.0	1500	1449	1114	1949+	9.37	219	67.6	23.7	30.8	35.7	30.4
9-10 AM	2123	0.0	692	0.0	1500	1473	650	1342+	8.14	185	68.1	26.0	30.8	36.4	33.3
10-11 AM	2195	0.0	715	0.0	1499	1509	686	1401+	8.25	188	68.0	25.8	30.8	36.3	33.0
11A-NOON	2351	0.0	766	0.0	1500	1511	841	1607+	8.64	199	67.8	25.0	30.8	36.1	32.0
NOON-1PM	2387	0.0	777	0.0	1500	1503	884	1662+	8.75	202	67.8	24.8	30.8	36.0	31.7
1-2 PM	2550	0.0	831	0.0	1500	1514	1036	1867+	9.18	214	67.6	24.0	30.8	35.8	30.7
2-3 PM	2776	0.0	904	0.0	1500	1523	1253	2157+	9.84	232	67.3	22.9	30.8	35.4	29.4
3-4 PM	3339	0.0	1087	0.0	1500	1557	1782	2869+	11.76	283	66.6	20.2	30.8	34.5	25.9
4-5 PM	3537	0.0	1152	0.0	1500	1511	2026	3178+	12.77	310	66.3	19.1	30.8	34.2	24.5
5-6 PM	3251	0.0	1059	0.0	1500	1453	1798	2857+	11.73	283	66.7	20.3	30.8	34.7	26.0
6-7 PM	2210	0.0	720	0.0	1500	1416	794	1514+	8.47	196	68.0	25.3	31.3	36.3	32.5
7-8 PM	1627	0.0	531	0.0	1499	1471	156	686	7.04	156	68.7	28.4	30.8	37.2	36.5
8-9 PM	1396	0.0	454	0.0	1499	1395	1	455	5.26	112	69.0	33.5	31.3	37.6	37.6
9-10 PM	1128	0.0	367	0.0	1500	1128	0	367	0.76	3	69.3	60.1	39.9	38.0	38.0
10-11 PM	851	0.0	277	0.0	1500	851	0	277	0.57	0	69.7	62.4	42.2	38.4	38.4
11PM-MID	599	0.0	195	0.0	1500	599	0	195	0.54	0	70.0	63.0	43.2	38.8	38.8

+ 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	0.0386
MAIN ROUTE WITH WORKS	0.0234
DIVERSION	0.2921

PIA: Personal Injury Accidents

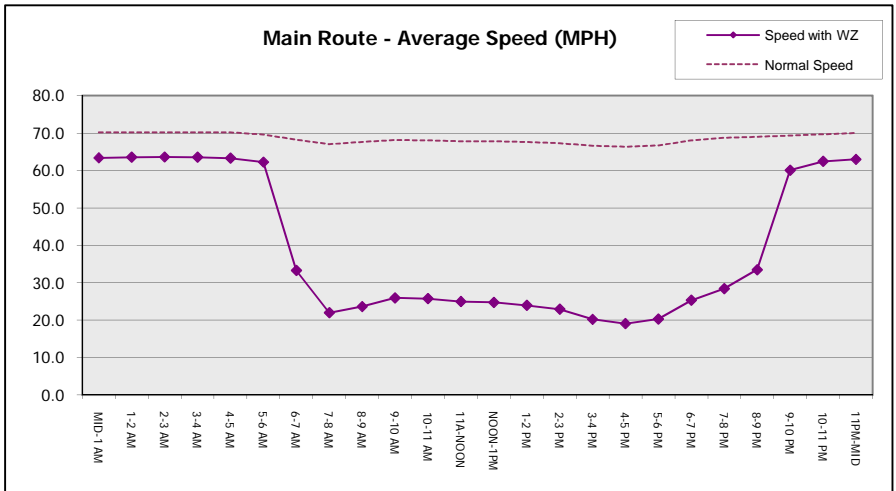
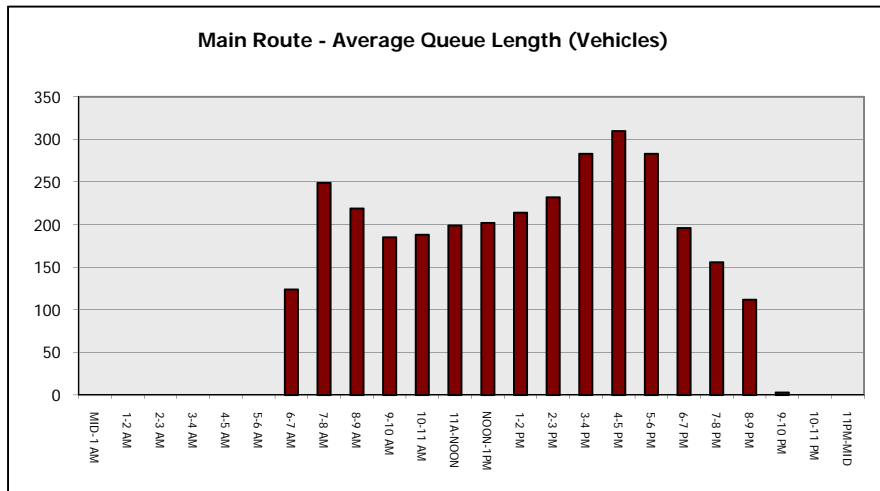
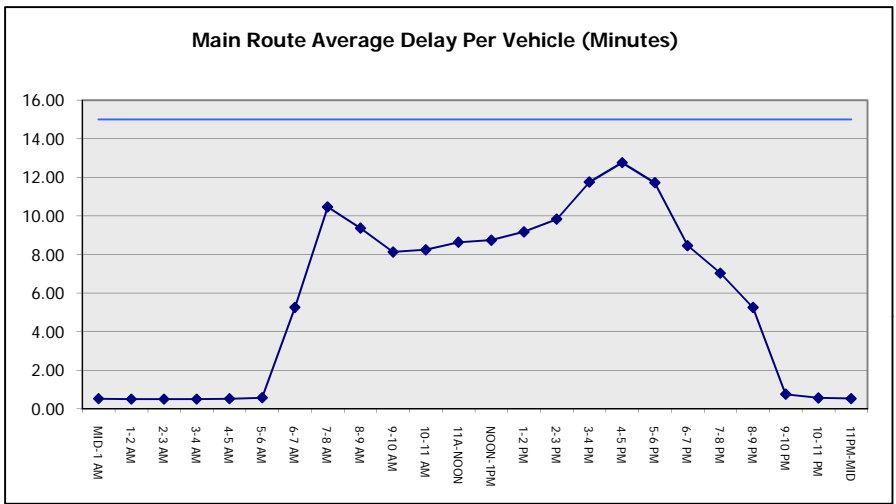
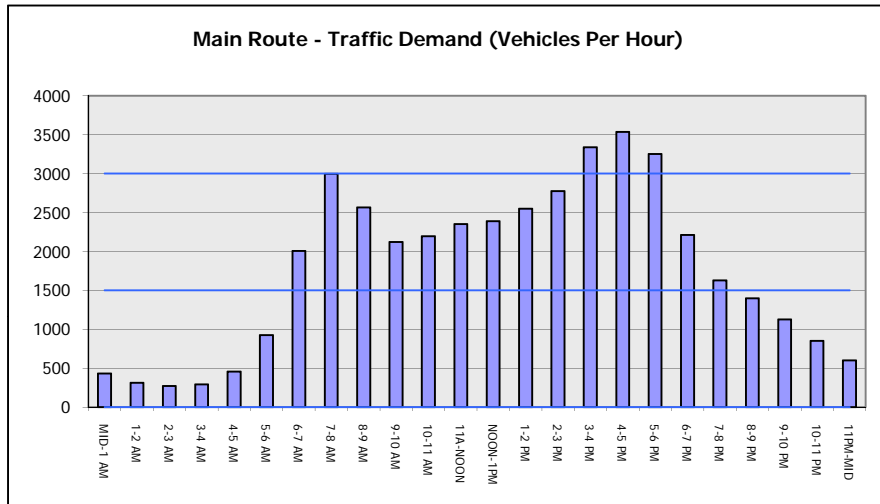
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$89,535
CONGESTED HOURS PER DAY*	0

\*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**

**AUGUST**  
 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>AUGUST</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	409	0.0	133	0.0	1500	409	0	133	0.52	0	70.2	63.3	43.8	39.1	39.1
1-2 AM	316	0.0	103	0.0	1500	316	0	103	0.51	0	70.2	63.5	44.2	39.2	39.2
2-3 AM	285	0.0	93	0.0	1500	285	0	93	0.51	0	70.2	63.5	44.3	39.3	39.3
3-4 AM	322	0.0	105	0.0	1500	322	0	105	0.51	0	70.2	63.5	44.2	39.2	39.2
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	1042	0.0	340	0.0	1499	1042	0	340	0.69	0	69.4	60.9	39.2	38.1	38.1
6-7 AM	2371	0.0	772	0.0	1499	1725	646	1418+	8.26	195	67.8	25.7	31.7	36.0	32.9
7-8 AM	2992	0.0	974	0.0	1499	1527	1464	2438+	10.54	250	67.0	21.9	30.8	35.0	28.0
8-9 AM	2351	0.0	766	0.0	1500	1441	910	1676+	8.79	203	67.8	24.7	30.9	36.1	31.7
9-10 AM	2121	0.0	691	0.0	1499	1489	632	1322+	8.10	184	68.1	26.0	30.8	36.4	33.3
10-11 AM	2175	0.0	708	0.0	1499	1507	669	1377+	8.20	187	68.0	25.8	30.8	36.3	33.1
11A-NOON	2357	0.0	768	0.0	1499	1513	844	1612+	8.65	199	67.8	25.0	30.8	36.0	32.0
NOON-1PM	2391	0.0	779	0.0	1500	1502	889	1668+	8.76	202	67.8	24.8	30.8	36.0	31.7
1-2 PM	2522	0.0	821	0.0	1500	1511	1010	1832+	9.10	212	67.6	24.2	30.8	35.8	30.9
2-3 PM	2735	0.0	891	0.0	1500	1519	1217	2107+	9.72	228	67.3	23.1	30.8	35.5	29.6
3-4 PM	2990	0.0	974	0.0	1500	1526	1464	2438+	10.54	250	67.0	21.9	30.8	35.0	28.0
4-5 PM	3429	0.0	1117	0.0	1500	1540	1889	3005+	12.19	295	66.4	19.7	30.8	34.3	25.3
5-6 PM	3144	0.0	1024	0.0	1500	1454	1691	2715+	11.31	271	66.8	20.8	30.8	34.8	26.6
6-7 PM	2227	0.0	725	0.0	1500	1427	800	1525+	8.49	196	67.9	25.3	31.1	36.3	32.4
7-8 PM	1695	0.0	553	0.0	1499	1473	223	775	7.18	159	68.6	28.1	30.8	37.1	36.0
8-9 PM	1411	0.0	459	0.0	1499	1405	6	465	5.57	119	69.0	32.5	31.1	37.5	37.5
9-10 PM	1185	0.0	386	0.0	1500	1184	0	386	0.92	6	69.2	58.4	38.8	37.9	37.9
10-11 PM	880	0.0	287	0.0	1500	880	0	287	0.57	0	69.6	62.3	42.1	38.4	38.4
11PM-MID	632	0.0	206	0.0	1500	632	0	206	0.55	0	69.9	62.9	43.0	38.8	38.8

+ 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	0.0385
MAIN ROUTE WITH WORKS	0.0236
DIVERSION	0.2874

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$87,668
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**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

