

<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**

**FRIDAY 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	509	0.0	165	0.0	1500	509	0	165	0.53	0	70.1	63.2	43.5	38.9	38.9
1-2 AM	402	0.0	131	0.0	1500	402	0	131	0.52	0	70.2	63.4	43.9	39.1	39.1
2-3 AM	337	0.0	110	0.0	1500	337	0	110	0.51	0	70.2	63.5	44.2	39.2	39.2
3-4 AM	352	0.0	114	0.0	1500	352	0	114	0.52	0	70.2	63.5	44.1	39.2	39.2
4-5 AM	497	0.0	162	0.0	1500	497	0	162	0.53	0	70.1	63.2	43.5	38.9	38.9
5-6 AM	914	0.0	297	0.0	1499	914	0	297	0.58	0	69.6	62.3	42.0	38.3	38.3
6-7 AM	1940	0.0	632	0.0	1499	1722	218	850	4.65	108	68.3	35.4	30.8	36.7	35.6
7-8 AM	2944	0.0	959	0.0	1499	1535	1409	2367+	10.35	246	67.1	22.1	30.8	35.1	28.3
8-9 AM	2705	0.0	881	0.0	1500	1467	1238	2119+	9.75	229	67.4	23.0	30.8	35.5	29.6
9-10 AM	2568	0.0	836	0.0	1500	1493	1075	1911+	9.28	216	67.6	23.8	30.8	35.7	30.6
10-11 AM	2759	0.0	899	0.0	1499	1520	1239	2138+	9.79	230	67.3	23.0	30.8	35.4	29.4
11A-NOON	3096	0.0	1009	0.0	1500	1533	1563	2572+	10.90	260	66.9	21.4	30.8	34.9	27.3
NOON-1PM	3359	0.0	1095	0.0	1500	1523	1836	2930+	11.95	288	66.6	20.0	30.8	34.5	25.6
1-2 PM	3304	0.0	1076	0.0	1500	1495	1809	2884+	11.81	284	66.6	20.2	30.8	34.6	25.8
2-3 PM	3646	0.0	1188	0.0	1500	1551	2094	3282+	13.11	320	66.0	18.7	30.8	34.0	23.9
3-4 PM	4157	0.0	1354	0.0	1500	1577	2581	3935+	15.59	393	62.5	16.2	30.8	33.2	20.8
4-5 PM	4249	0.0	1384	0.0	1500	1492	2758	4142+	16.59	420	61.9	15.5	30.8	33.1	19.8
5-6 PM	3662	0.0	1193	0.0	1500	1405	2257	3450+	13.74	338	65.8	18.1	30.8	34.0	23.1
6-7 PM	3338	0.0	1087	0.0	1499	1462	1876	2963+	12.06	291	66.6	19.9	30.8	34.5	25.5
7-8 PM	2634	0.0	858	0.0	1500	1437	1197	2055+	9.60	226	67.4	23.3	30.8	35.6	29.9
8-9 PM	2189	0.0	713	0.0	1499	1472	717	1430+	8.30	190	68.0	25.6	30.8	36.3	32.9
9-10 PM	1934	0.0	630	0.0	1499	1484	450	1080	7.67	173	68.3	27.0	30.8	36.7	34.5
10-11 PM	1483	0.0	483	0.0	1500	1414	69	552	6.24	136	68.9	30.5	30.8	37.4	37.1
11PM-MID	926	0.0	301	0.0	1500	926	0	301	0.80	7	69.6	59.8	41.9	38.3	38.3

+ 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	0.0489
MAIN ROUTE WITH WORKS	0.0248
DIVERSION	0.4279

PIA: Personal Injury Accidents

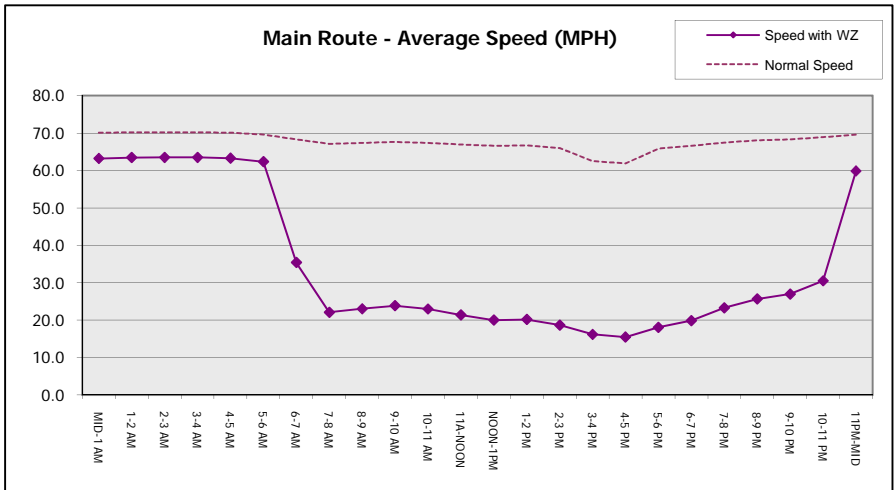
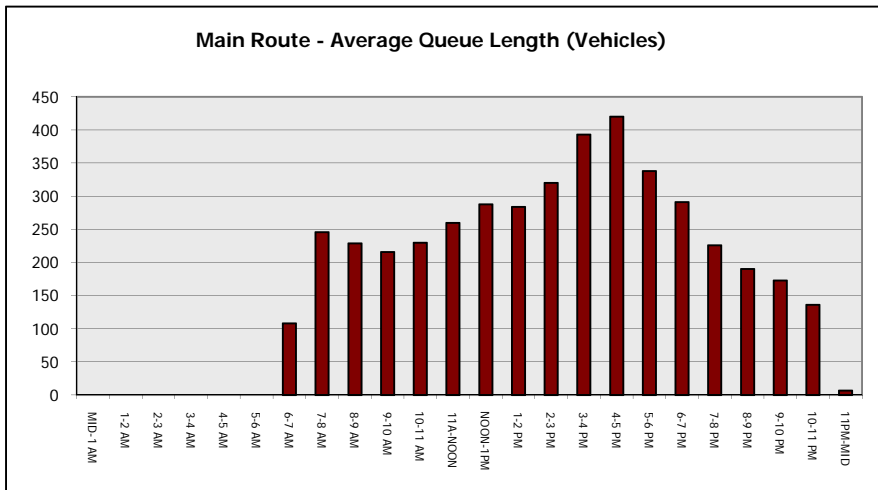
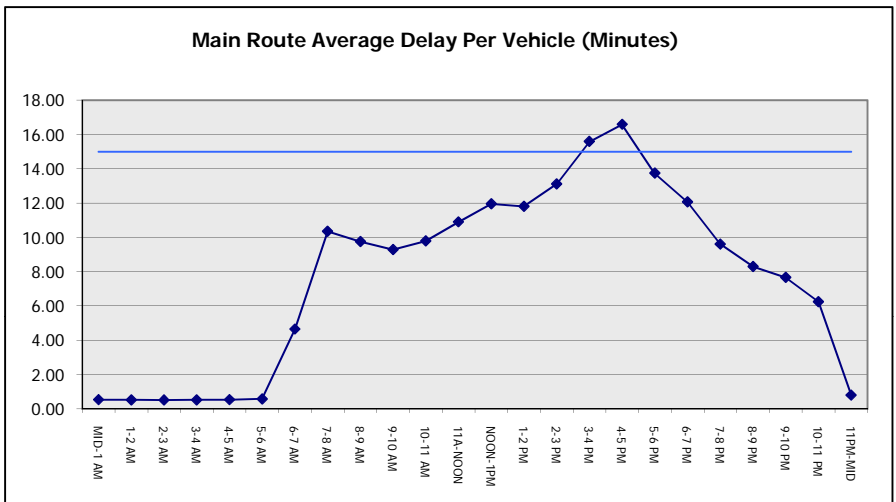
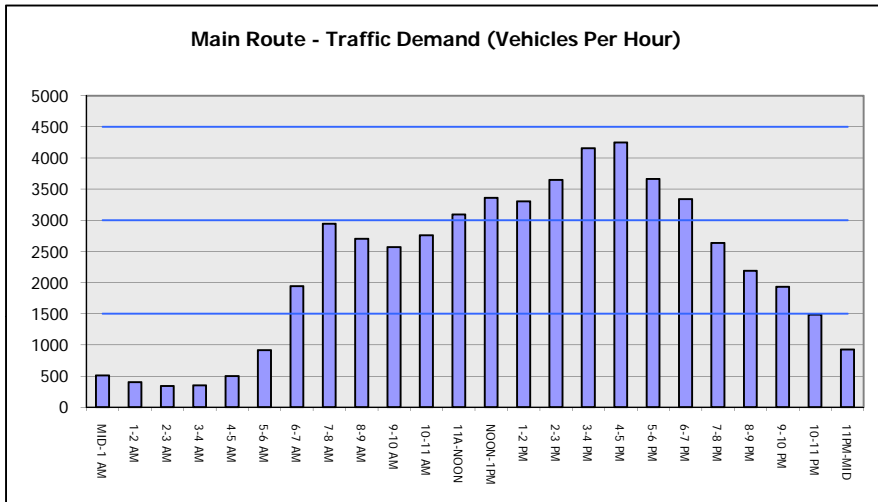
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$152,797
CONGESTED HOURS PER DAY*	2

\*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**  
**FRIDAY 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**

FRIDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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		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	448	0.0	146	0.0	1500	448	0	146	0.53	0	70.2	63.3	43.7	39.1	39.1
1-2 AM	379	0.0	123	0.0	1500	379	0	123	0.52	0	70.2	63.4	44.0	39.1	39.1
2-3 AM	338	0.0	110	0.0	1500	338	0	110	0.51	0	70.2	63.5	44.2	39.2	39.2
3-4 AM	337	0.0	110	0.0	1500	337	0	110	0.51	0	70.2	63.5	44.2	39.2	39.2
4-5 AM	439	0.0	143	0.0	1500	439	0	143	0.53	0	70.2	63.3	43.7	39.1	39.1
5-6 AM	946	0.0	308	0.0	1499	946	0	308	0.61	0	69.6	61.9	41.1	38.3	38.3
6-7 AM	2210	0.0	720	0.0	1499	1709	501	1221+	7.09	164	68.0	28.2	30.8	36.3	33.8
7-8 AM	2806	0.0	914	0.0	1499	1528	1279	2192+	9.92	234	67.3	22.8	30.8	35.3	29.2
8-9 AM	2289	0.0	745	0.0	1500	1454	834	1579+	8.59	198	67.9	25.1	30.9	36.1	32.2
9-10 AM	2156	0.0	702	0.0	1499	1496	659	1361+	8.17	186	68.1	25.9	30.8	36.4	33.2
10-11 AM	2385	0.0	776	0.0	1499	1519	865	1642+	8.71	201	67.8	24.8	30.8	36.0	31.9
11A-NOON	2654	0.0	864	0.0	1500	1520	1134	1998+	9.47	221	67.4	23.5	30.8	35.6	30.1
NOON-1PM	2750	0.0	896	0.0	1500	1508	1242	2138+	9.79	230	67.3	23.0	30.8	35.5	29.4
1-2 PM	2967	0.0	966	0.0	1500	1522	1445	2411+	10.47	248	67.1	22.0	30.8	35.1	28.1
2-3 PM	3265	0.0	1063	0.0	1500	1529	1735	2799+	11.55	277	66.7	20.5	30.8	34.7	26.3
3-4 PM	3376	0.0	1100	0.0	1500	1510	1866	2966+	12.06	291	66.5	19.9	30.8	34.5	25.5
4-5 PM	3469	0.0	1130	0.0	1500	1506	1962	3093+	12.48	302	66.4	19.4	30.8	34.3	24.8
5-6 PM	3265	0.0	1063	0.0	1500	1468	1797	2860+	11.74	283	66.7	20.2	30.8	34.7	26.0
6-7 PM	2577	0.0	839	0.0	1500	1438	1140	1979+	9.43	221	67.5	23.6	30.8	35.7	30.2
7-8 PM	2022	0.0	658	0.0	1499	1465	556	1215+	7.91	179	68.2	26.5	30.8	36.6	33.9
8-9 PM	1709	0.0	557	0.0	1499	1484	225	782	7.19	160	68.6	28.1	30.8	37.1	36.0
9-10 PM	1468	0.0	478	0.0	1500	1443	25	503	6.33	137	68.9	30.3	30.8	37.4	37.3
10-11 PM	1144	0.0	373	0.0	1500	1144	0	373	1.22	17	69.3	55.6	38.8	37.9	37.9
11PM-MID	837	0.0	273	0.0	1500	837	0	273	0.57	0	69.7	62.5	42.2	38.4	38.4

+ 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	0.0419
MAIN ROUTE WITH WORKS	0.0244
DIVERSION	0.3298

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$109,310
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**  
**FRIDAY EASTBOUND DIRECTION**

