

**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

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	563	0.0	183	0.0	1500	563	0	183	0.54	0	70.0	63.0	43.3	38.9	38.9
1-2 AM	423	0.0	138	0.0	1500	423	0	138	0.52	0	70.2	63.3	43.8	39.1	39.1
2-3 AM	365	0.0	119	0.0	1500	365	0	119	0.52	0	70.2	63.5	44.0	39.2	39.2
3-4 AM	341	0.0	111	0.0	1500	341	0	111	0.51	0	70.2	63.5	44.1	39.2	39.2
4-5 AM	353	0.0	115	0.0	1500	353	0	115	0.52	0	70.2	63.5	44.1	39.2	39.2
5-6 AM	517	0.0	168	0.0	1500	517	0	168	0.53	0	70.1	63.2	43.5	38.9	38.9
6-7 AM	893	0.0	291	0.0	1500	893	0	291	0.58	0	69.6	62.3	42.0	38.3	38.3
7-8 AM	1491	0.0	486	0.0	1499	1491	0	486	1.59	18	68.9	52.1	32.7	37.4	37.4
8-9 AM	2161	0.0	704	0.0	1500	1625	536	1240+	7.76	178	68.1	26.8	30.8	36.3	33.8
9-10 AM	2687	0.0	875	0.0	1499	1536	1151	2026+	9.53	223	67.4	23.4	30.8	35.5	30.0
10-11 AM	3117	0.0	1015	0.0	1500	1536	1581	2596+	10.96	262	66.9	21.2	30.8	34.8	27.3
11A-NOON	3216	0.0	1047	0.0	1500	1503	1713	2760+	11.43	274	66.8	20.6	30.8	34.7	26.5
NOON-1PM	3048	0.0	993	0.0	1500	1480	1569	2562+	10.87	259	66.9	21.4	30.8	35.0	27.4
1-2 PM	2822	0.0	920	0.0	1500	1480	1342	2262+	10.09	238	67.3	22.5	30.8	35.3	28.9
2-3 PM	2712	0.0	883	0.0	1500	1491	1221	2104+	9.71	228	67.4	23.1	30.8	35.5	29.6
3-4 PM	2535	0.0	826	0.0	1500	1485	1050	1876+	9.20	214	67.6	24.0	30.8	35.8	30.7
4-5 PM	2332	0.0	760	0.0	1500	1485	848	1607+	8.64	199	67.8	25.0	30.8	36.1	32.0
5-6 PM	2093	0.0	681	0.0	1500	1483	610	1291+	8.04	183	68.1	26.1	30.8	36.5	33.5
6-7 PM	1736	0.0	565	0.0	1500	1478	258	823	7.25	161	68.6	27.9	30.8	37.0	35.8
7-8 PM	1380	0.0	449	0.0	1499	1373	7	456	4.92	105	69.0	34.7	31.6	37.6	37.6
8-9 PM	1227	0.0	400	0.0	1500	1227	0	400	0.81	1	69.2	59.4	37.6	37.8	37.8
9-10 PM	1075	0.0	351	0.0	1500	1075	0	351	0.59	0	69.4	61.9	41.4	38.1	38.1
10-11 PM	809	0.0	264	0.0	1500	809	0	264	0.57	0	69.7	62.5	42.4	38.5	38.5
11PM-MID	646	0.0	210	0.0	1500	646	0	210	0.55	0	69.9	62.8	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	0.0349
MAIN ROUTE WITH WORKS	0.0224
DIVERSION	0.2494

PIA: Personal Injury Accidents

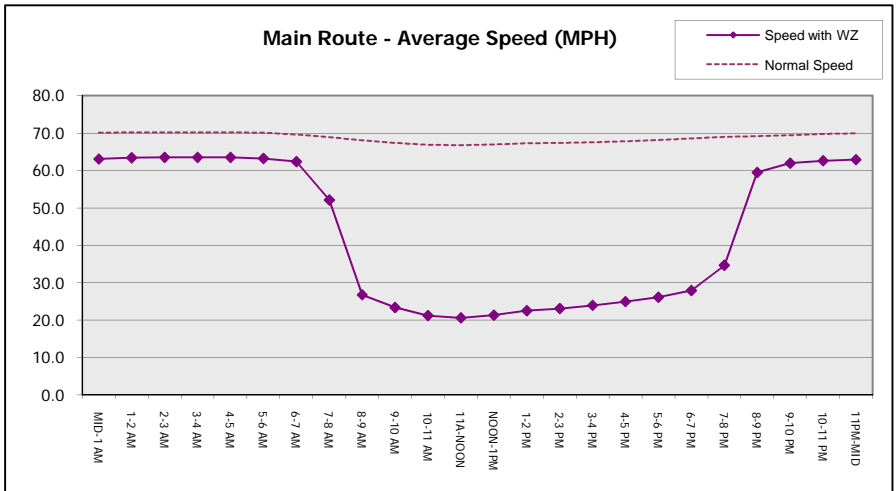
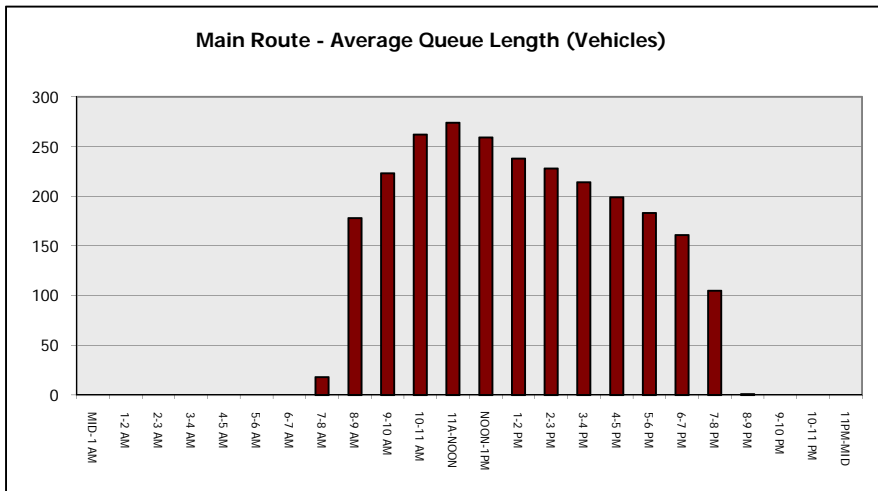
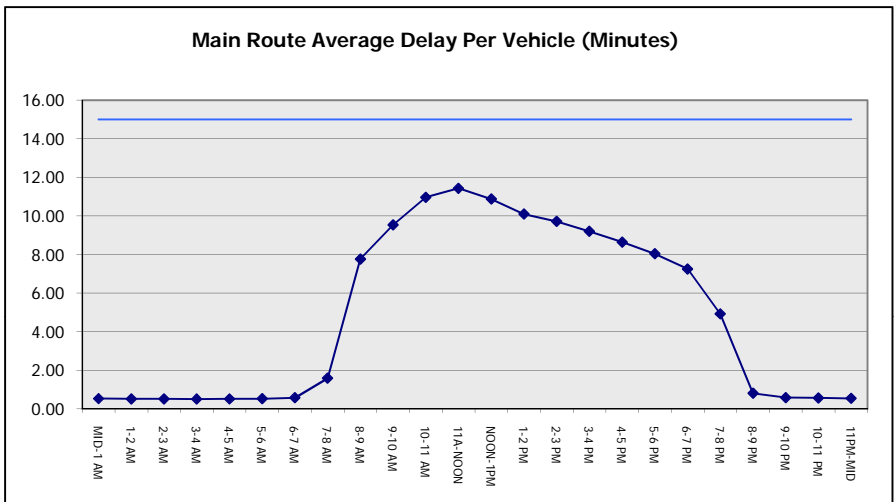
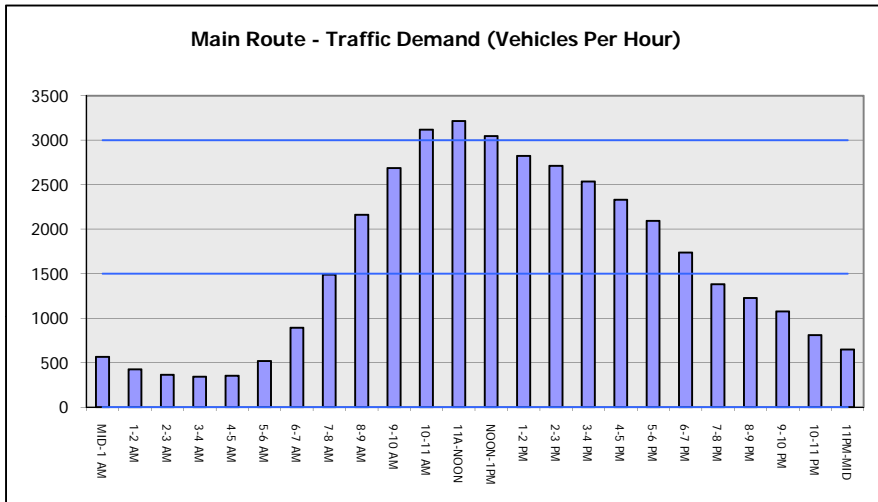
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$90,350
CONGESTED HOURS PER DAY*	0

*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
SATURDAY WESTBOUND DIRECTION



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

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	570	0.0	185	0.0	1500	570	0	185	0.54	0	70.0	63.0	43.2	38.9	38.9
1-2 AM	366	0.0	119	0.0	1500	366	0	119	0.52	0	70.2	63.4	44.0	39.2	39.2
2-3 AM	336	0.0	110	0.0	1500	336	0	110	0.51	0	70.2	63.5	44.2	39.2	39.2
3-4 AM	295	0.0	96	0.0	1500	295	0	96	0.51	0	70.2	63.5	44.3	39.3	39.3
4-5 AM	323	0.0	106	0.0	1500	323	0	106	0.51	0	70.2	63.5	44.2	39.2	39.2
5-6 AM	408	0.0	133	0.0	1500	408	0	133	0.52	0	70.2	63.4	43.8	39.1	39.1
6-7 AM	723	0.0	235	0.0	1500	723	0	235	0.56	0	69.9	62.7	42.7	38.6	38.6
7-8 AM	1097	0.0	357	0.0	1499	1097	0	357	0.65	0	69.4	61.4	40.1	38.0	38.0
8-9 AM	1555	0.0	506	0.0	1499	1555	0	506	1.74	20	68.8	50.9	31.4	37.3	37.3
9-10 AM	1966	0.0	640	0.0	1500	1602	365	1005	7.37	167	68.3	27.6	30.9	36.6	34.9
10-11 AM	2435	0.0	793	0.0	1499	1530	905	1698+	8.82	204	67.7	24.7	30.8	35.9	31.5
11A-NOON	2804	0.0	914	0.0	1500	1527	1277	2191+	9.92	234	67.3	22.8	30.8	35.3	29.2
NOON-1PM	2901	0.0	945	0.0	1500	1505	1395	2340+	10.29	243	67.1	22.2	30.8	35.2	28.4
1-2 PM	2948	0.0	960	0.0	1500	1503	1445	2404+	10.45	248	67.1	22.0	30.8	35.1	28.2
2-3 PM	2931	0.0	954	0.0	1500	1496	1435	2390+	10.41	247	67.1	22.0	30.8	35.1	28.3
3-4 PM	2718	0.0	885	0.0	1500	1481	1237	2122+	9.76	229	67.4	23.0	30.8	35.5	29.5
4-5 PM	2610	0.0	850	0.0	1500	1491	1119	1969+	9.41	220	67.5	23.6	30.8	35.6	30.2
5-6 PM	2315	0.0	754	0.0	1500	1477	838	1592+	8.61	198	67.9	25.0	30.8	36.1	32.1
6-7 PM	2029	0.0	661	0.0	1500	1481	548	1209+	7.90	179	68.2	26.5	30.8	36.6	33.9
7-8 PM	1716	0.0	559	0.0	1500	1482	234	793	7.21	160	68.6	28.0	30.8	37.1	36.0
8-9 PM	1540	0.0	501	0.0	1499	1489	51	552	6.82	149	68.8	29.0	30.8	37.3	37.1
9-10 PM	1370	0.0	446	0.0	1499	1370	0	446	4.53	96	69.1	36.1	31.8	37.6	37.6
10-11 PM	1034	0.0	337	0.0	1500	1034	0	337	0.60	0	69.4	61.9	41.5	38.1	38.1
11PM-MID	748	0.0	244	0.0	1500	748	0	244	0.56	0	69.8	62.7	42.6	38.6	38.6

+ 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	0.0342
MAIN ROUTE WITH WORKS	0.0226
DIVERSION	0.2361

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$87,067
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
SATURDAY EASTBOUND DIRECTION

