

**IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)
CONTINUOUS (24 HOUR) 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	3000	563	0	183	0.36	0	70.0	65.3	49.7	38.9	38.9
1-2 AM	423	0.0	138	0.0	3000	423	0	138	0.36	0	70.2	65.3	49.7	39.1	39.1
2-3 AM	365	0.0	119	0.0	3000	365	0	119	0.36	0	70.2	65.3	49.7	39.2	39.2
3-4 AM	341	0.0	111	0.0	3000	341	0	111	0.36	0	70.2	65.3	49.7	39.2	39.2
4-5 AM	353	0.0	115	0.0	3000	353	0	115	0.36	0	70.2	65.3	49.7	39.2	39.2
5-6 AM	517	0.0	168	0.0	3000	517	0	168	0.36	0	70.1	65.3	49.7	38.9	38.9
6-7 AM	893	0.0	291	0.0	3000	893	0	291	0.35	0	69.6	65.0	49.7	38.3	38.3
7-8 AM	1491	0.0	486	0.0	3000	1491	0	486	0.34	0	68.9	64.4	49.7	37.4	37.4
8-9 AM	2161	0.0	704	0.0	3000	2161	0	704	0.33	0	68.1	63.8	49.7	36.3	36.3
9-10 AM	2687	0.0	875	0.0	2999	2687	0	875	0.52	0	67.4	61.1	42.8	35.5	35.5
10-11 AM	3117	0.0	1015	0.0	2999	3117	0	1015	1.44	42	66.9	52.2	37.3	34.8	34.8
11A-NOON	3216	0.0	1047	0.0	3000	3216	0	1047	4.73	227	66.8	34.7	37.3	34.7	34.7
NOON-1PM	3048	0.0	993	0.0	2999	3033	15	1008	7.32	363	66.9	27.5	37.3	35.0	34.9
1-2 PM	2822	0.0	920	0.0	2999	2822	0	920	5.90	287	67.3	31.1	37.3	35.3	35.3
2-3 PM	2712	0.0	883	0.0	2999	2712	0	883	1.67	68	67.4	50.7	40.5	35.5	35.5
3-4 PM	2535	0.0	826	0.0	3000	2535	0	826	0.43	0	67.6	62.3	46.0	35.8	35.8
4-5 PM	2332	0.0	760	0.0	3000	2332	0	760	0.33	0	67.8	63.7	49.7	36.1	36.1
5-6 PM	2093	0.0	681	0.0	3000	2093	0	681	0.33	0	68.1	63.9	49.7	36.5	36.5
6-7 PM	1736	0.0	565	0.0	3000	1736	0	565	0.34	0	68.6	64.2	49.7	37.0	37.0
7-8 PM	1380	0.0	449	0.0	3000	1380	0	449	0.34	0	69.0	64.5	49.7	37.6	37.6
8-9 PM	1227	0.0	400	0.0	3000	1227	0	400	0.35	0	69.2	64.6	49.7	37.8	37.8
9-10 PM	1075	0.0	351	0.0	3000	1075	0	351	0.35	0	69.4	64.8	49.7	38.1	38.1
10-11 PM	809	0.0	264	0.0	3000	809	0	264	0.35	0	69.7	65.0	49.7	38.5	38.5
11PM-MID	646	0.0	210	0.0	3000	646	0	210	0.36	0	69.9	65.2	49.7	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	0.0349
MAIN ROUTE WITH WORKS	0.0324
DIVERSION	0.1282

PIA: Personal Injury Accidents

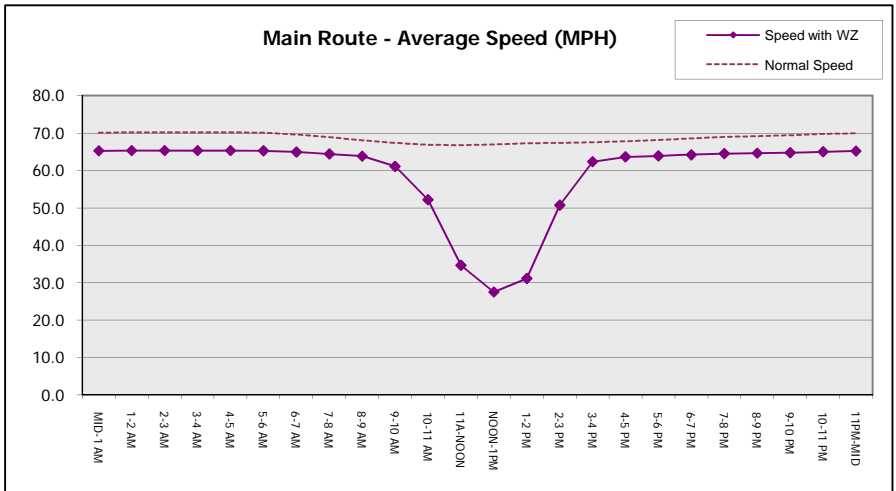
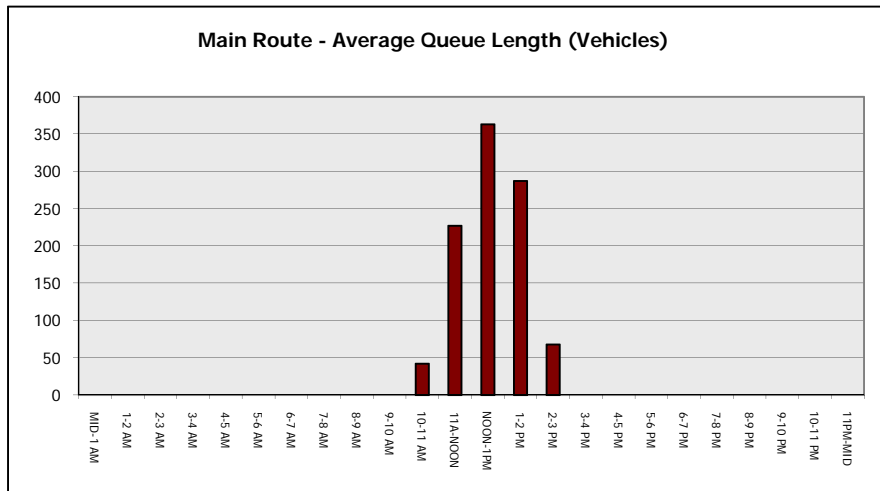
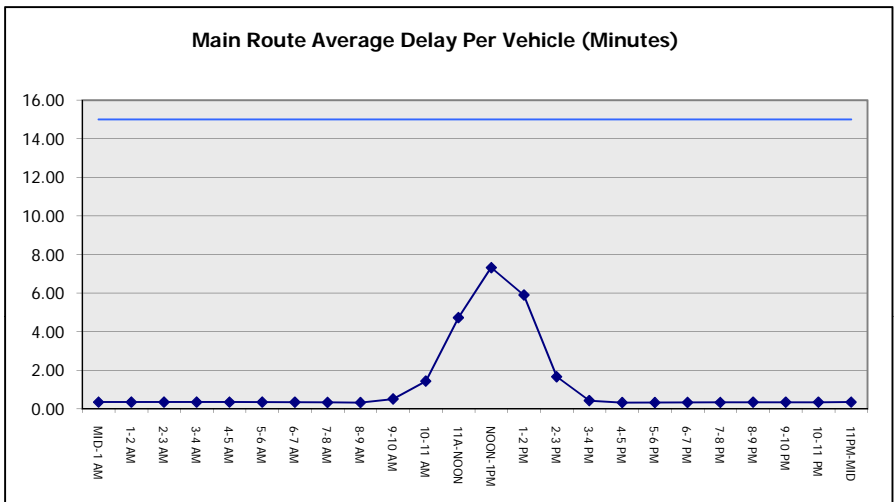
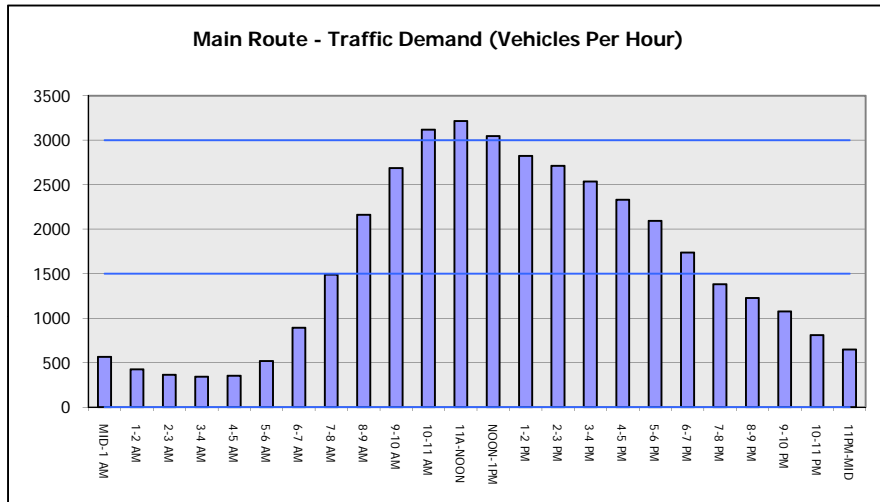
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$19,602
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)
CONTINUOUS (24 HOUR) 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) 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					
	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	3000	570	0	185	0.36	0	70.0	65.3	49.7	38.9	38.9
1-2 AM	366	0.0	119	0.0	3000	366	0	119	0.36	0	70.2	65.3	49.7	39.2	39.2
2-3 AM	336	0.0	110	0.0	3000	336	0	110	0.36	0	70.2	65.3	49.7	39.2	39.2
3-4 AM	295	0.0	96	0.0	3000	295	0	96	0.36	0	70.2	65.3	49.7	39.3	39.3
4-5 AM	323	0.0	106	0.0	3000	323	0	106	0.36	0	70.2	65.3	49.7	39.2	39.2
5-6 AM	408	0.0	133	0.0	3000	408	0	133	0.36	0	70.2	65.3	49.7	39.1	39.1
6-7 AM	723	0.0	235	0.0	3000	723	0	235	0.35	0	69.9	65.1	49.7	38.6	38.6
7-8 AM	1097	0.0	357	0.0	3000	1097	0	357	0.35	0	69.4	64.8	49.7	38.0	38.0
8-9 AM	1555	0.0	506	0.0	3000	1555	0	506	0.34	0	68.8	64.4	49.7	37.3	37.3
9-10 AM	1966	0.0	640	0.0	3000	1966	0	640	0.34	0	68.3	64.0	49.7	36.6	36.6
10-11 AM	2435	0.0	793	0.0	3000	2435	0	793	0.36	0	67.7	63.2	48.4	35.9	35.9
11A-NOON	2804	0.0	914	0.0	3000	2804	0	914	0.60	0	67.3	60.1	40.5	35.3	35.3
NOON-1PM	2901	0.0	945	0.0	3000	2901	0	945	0.66	0	67.1	59.4	38.8	35.2	35.2
1-2 PM	2948	0.0	960	0.0	3000	2948	0	960	0.69	0	67.1	59.0	38.1	35.1	35.1
2-3 PM	2931	0.0	954	0.0	3000	2931	0	954	0.68	0	67.1	59.2	38.3	35.1	35.1
3-4 PM	2718	0.0	885	0.0	3000	2718	0	885	0.54	0	67.4	60.9	42.1	35.5	35.5
4-5 PM	2610	0.0	850	0.0	3000	2610	0	850	0.47	0	67.5	61.7	44.3	35.6	35.6
5-6 PM	2315	0.0	754	0.0	3000	2315	0	754	0.33	0	67.9	63.7	49.7	36.1	36.1
6-7 PM	2029	0.0	661	0.0	3000	2029	0	661	0.33	0	68.2	64.0	49.7	36.6	36.6
7-8 PM	1716	0.0	559	0.0	3000	1716	0	559	0.34	0	68.6	64.2	49.7	37.1	37.1
8-9 PM	1540	0.0	501	0.0	3000	1540	0	501	0.34	0	68.8	64.4	49.7	37.3	37.3
9-10 PM	1370	0.0	446	0.0	3000	1370	0	446	0.34	0	69.1	64.5	49.7	37.6	37.6
10-11 PM	1034	0.0	337	0.0	3000	1034	0	337	0.35	0	69.4	64.8	49.7	38.1	38.1
11PM-MID	748	0.0	244	0.0	3000	748	0	244	0.35	0	69.8	65.1	49.7	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	0.0342
MAIN ROUTE WITH WORKS	0.0317
DIVERSION	0.1254

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$4,762
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) CLOSURE
DIVERSION ROUTE: STH 30 - USH 51

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

