

**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
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	3000	509	0	165	0.36	0	70.1	65.3	49.7	38.9	38.9
1-2 AM	402	0.0	131	0.0	3000	402	0	131	0.36	0	70.2	65.3	49.7	39.1	39.1
2-3 AM	337	0.0	110	0.0	3000	337	0	110	0.36	0	70.2	65.3	49.7	39.2	39.2
3-4 AM	352	0.0	114	0.0	3000	352	0	114	0.36	0	70.2	65.3	49.7	39.2	39.2
4-5 AM	497	0.0	162	0.0	3000	497	0	162	0.36	0	70.1	65.3	49.7	38.9	38.9
5-6 AM	914	0.0	297	0.0	3000	914	0	297	0.35	0	69.6	65.0	49.7	38.3	38.3
6-7 AM	1940	0.0	632	0.0	2999	1940	0	632	0.34	0	68.3	64.0	49.7	36.7	36.7
7-8 AM	2944	0.0	959	0.0	2999	2944	0	959	0.76	4	67.1	58.3	38.5	35.1	35.1
8-9 AM	2705	0.0	881	0.0	3000	2705	0	881	0.55	0	67.4	60.8	42.4	35.5	35.5
9-10 AM	2568	0.0	836	0.0	3000	2568	0	836	0.45	0	67.6	62.0	45.2	35.7	35.7
10-11 AM	2759	0.0	899	0.0	2999	2759	0	899	0.57	0	67.3	60.5	41.4	35.4	35.4
11A-NOON	3096	0.0	1009	0.0	2999	3096	0	1009	1.23	29	66.9	53.9	37.3	34.9	34.9
NOON-1PM	3359	0.0	1095	0.0	3000	3359	0	1095	5.32	269	66.6	32.7	37.3	34.5	34.5
1-2 PM	3304	0.0	1076	0.0	2999	2958	345	1421+	8.18	412	66.6	25.6	37.3	34.6	32.9
2-3 PM	3646	0.0	1188	0.0	3000	3065	581	1769+	8.84	451	66.0	24.3	37.3	34.0	31.2
3-4 PM	4157	0.0	1354	0.0	3000	3089	1069	2423+	10.12	538	62.5	21.9	37.3	33.2	28.1
4-5 PM	4249	0.0	1384	0.0	2999	2991	1259	2643+	10.68	572	61.9	21.1	37.3	33.1	27.0
5-6 PM	3662	0.0	1193	0.0	2999	2885	778	1971+	9.28	477	65.8	23.6	37.3	34.0	30.2
6-7 PM	3338	0.0	1087	0.0	3000	2950	388	1475+	8.28	418	66.6	25.5	37.3	34.5	32.7
7-8 PM	2634	0.0	858	0.0	2999	2620	14	872	4.49	232	67.4	35.8	39.6	35.6	35.5
8-9 PM	2189	0.0	713	0.0	3000	2189	0	713	0.33	0	68.0	63.8	49.7	36.3	36.3
9-10 PM	1934	0.0	630	0.0	3000	1934	0	630	0.34	0	68.3	64.0	49.7	36.7	36.7
10-11 PM	1483	0.0	483	0.0	3000	1483	0	483	0.34	0	68.9	64.5	49.7	37.4	37.4
11PM-MID	926	0.0	301	0.0	3000	926	0	301	0.35	0	69.6	65.0	49.7	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	0.0416
DIVERSION	0.2244

PIA: Personal Injury Accidents

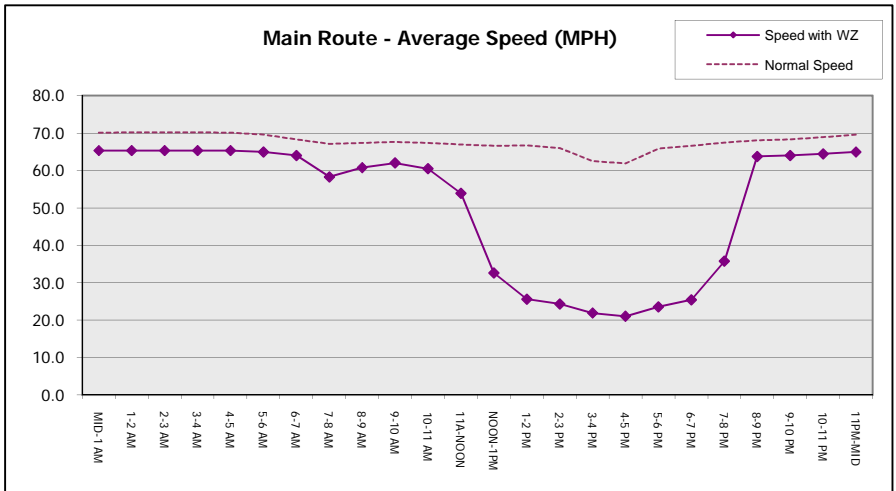
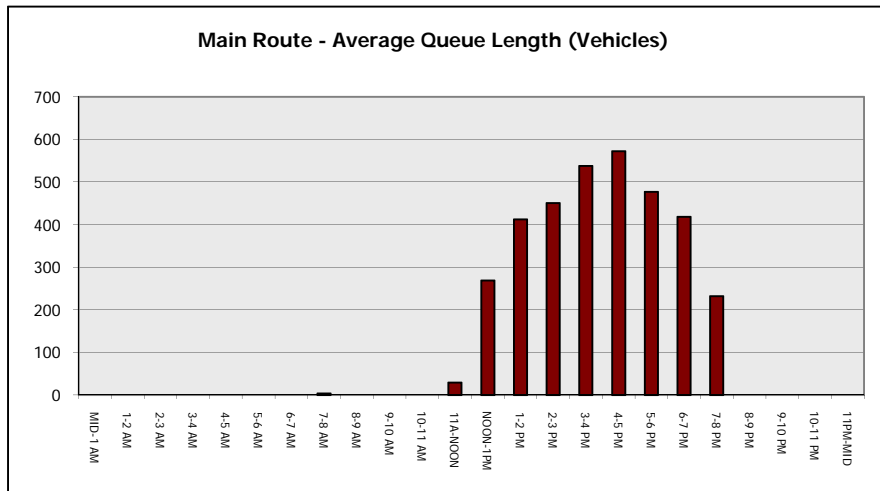
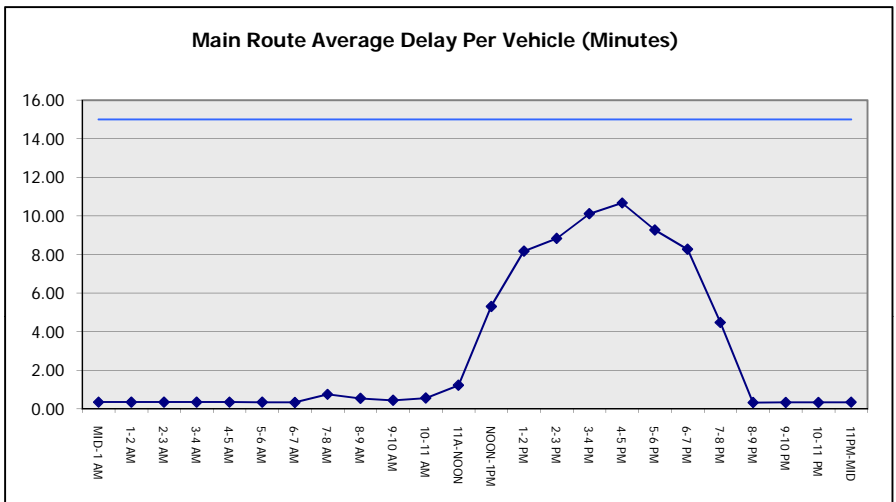
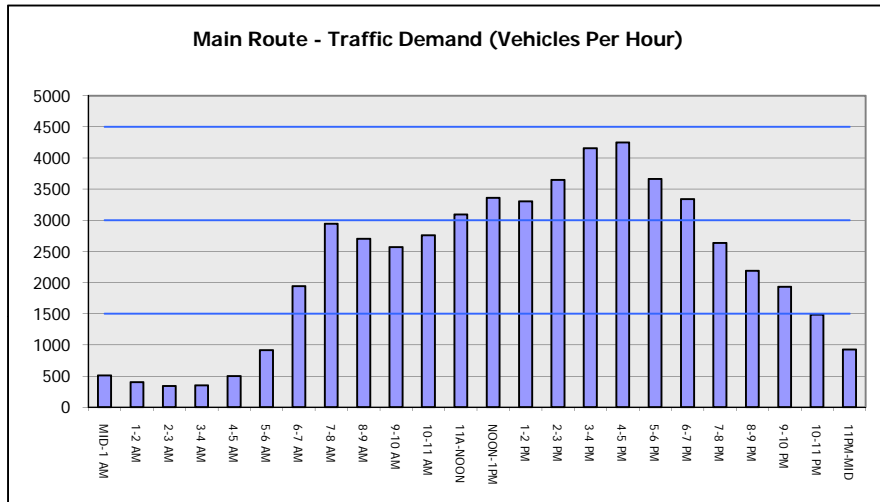
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$60,737
CONGESTED HOURS PER DAY*	0

*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
FRIDAY 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

FRIDAY 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	448	0.0	146	0.0	3000	448	0	146	0.36	0	70.2	65.3	49.7	39.1	39.1
1-2 AM	379	0.0	123	0.0	3000	379	0	123	0.36	0	70.2	65.3	49.7	39.1	39.1
2-3 AM	338	0.0	110	0.0	3000	338	0	110	0.36	0	70.2	65.3	49.7	39.2	39.2
3-4 AM	337	0.0	110	0.0	3000	337	0	110	0.36	0	70.2	65.3	49.7	39.2	39.2
4-5 AM	439	0.0	143	0.0	3000	439	0	143	0.36	0	70.2	65.3	49.7	39.1	39.1
5-6 AM	946	0.0	308	0.0	3000	946	0	308	0.35	0	69.6	64.9	49.7	38.3	38.3
6-7 AM	2210	0.0	720	0.0	3000	2210	0	720	0.33	0	68.0	63.8	49.7	36.3	36.3
7-8 AM	2806	0.0	914	0.0	3000	2806	0	914	0.60	0	67.3	60.1	40.4	35.3	35.3
8-9 AM	2289	0.0	745	0.0	3000	2289	0	745	0.33	0	67.9	63.7	49.7	36.1	36.1
9-10 AM	2156	0.0	702	0.0	3000	2156	0	702	0.33	0	68.1	63.8	49.7	36.4	36.4
10-11 AM	2385	0.0	776	0.0	3000	2385	0	776	0.33	0	67.8	63.7	49.7	36.0	36.0
11A-NOON	2654	0.0	864	0.0	3000	2654	0	864	0.50	0	67.4	61.4	43.4	35.6	35.6
NOON-1PM	2750	0.0	896	0.0	2999	2750	0	896	0.57	0	67.3	60.5	41.5	35.5	35.5
1-2 PM	2967	0.0	966	0.0	2999	2967	0	966	0.76	3	67.1	58.3	38.0	35.1	35.1
2-3 PM	3265	0.0	1063	0.0	3000	3265	0	1063	2.98	135	66.7	42.2	37.3	34.7	34.7
3-4 PM	3376	0.0	1100	0.0	3000	3140	235	1335+	7.84	396	66.5	26.3	37.3	34.5	33.3
4-5 PM	3469	0.0	1130	0.0	3000	3009	460	1590+	8.50	430	66.4	25.0	37.3	34.3	32.1
5-6 PM	3265	0.0	1063	0.0	2999	2956	309	1372+	8.09	407	66.7	25.8	37.3	34.7	33.2
6-7 PM	2577	0.0	839	0.0	2999	2570	7	846	3.80	208	67.5	38.6	40.9	35.7	35.6
7-8 PM	2022	0.0	658	0.0	3000	2022	0	658	0.33	0	68.2	64.0	49.7	36.6	36.6
8-9 PM	1709	0.0	557	0.0	3000	1709	0	557	0.34	0	68.6	64.2	49.7	37.1	37.1
9-10 PM	1468	0.0	478	0.0	3000	1468	0	478	0.34	0	68.9	64.5	49.7	37.4	37.4
10-11 PM	1144	0.0	373	0.0	3000	1144	0	373	0.35	0	69.3	64.7	49.7	37.9	37.9
11PM-MID	837	0.0	273	0.0	3000	837	0	273	0.35	0	69.7	65.0	49.7	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	0.0380
DIVERSION	0.1640

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$27,735
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
FRIDAY EASTBOUND DIRECTION

