

**IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)  
CONTINUOUS (24 HOUR) CLOSURE  
DIVERSION ROUTE: STH 30 - USH 51**

**OCTOBER**  
Analyzed for 2009  
Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**  
**SUNDAY 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	412	0.0	134	0.0	3000	412	0	134	0.36	0	70.2	65.3	49.7	39.1	39.1
1-2 AM	290	0.0	94	0.0	3000	290	0	94	0.36	0	70.2	65.3	49.7	39.3	39.3
2-3 AM	262	0.0	85	0.0	3000	262	0	85	0.36	0	70.2	65.3	49.7	39.3	39.3
3-4 AM	204	0.0	66	0.0	3000	204	0	66	0.36	0	70.2	65.3	49.7	39.4	39.4
4-5 AM	171	0.0	55	0.0	3000	171	0	55	0.36	0	70.2	65.3	49.7	39.5	39.5
5-6 AM	277	0.0	90	0.0	3000	277	0	90	0.36	0	70.2	65.3	49.7	39.3	39.3
6-7 AM	408	0.0	133	0.0	3000	408	0	133	0.36	0	70.2	65.3	49.7	39.1	39.1
7-8 AM	701	0.0	228	0.0	3000	701	0	228	0.36	0	69.9	65.1	49.7	38.6	38.6
8-9 AM	1061	0.0	345	0.0	3000	1061	0	345	0.35	0	69.4	64.8	49.7	38.1	38.1
9-10 AM	1536	0.0	500	0.0	3000	1536	0	500	0.34	0	68.8	64.4	49.7	37.3	37.3
10-11 AM	2109	0.0	686	0.0	3000	2109	0	686	0.33	0	68.1	63.9	49.7	36.5	36.5
11A-NOON	2572	0.0	837	0.0	3000	2572	0	837	0.45	0	67.6	62.0	45.1	35.7	35.7
NOON-1PM	2691	0.0	877	0.0	3000	2691	0	877	0.53	0	67.4	61.0	42.6	35.5	35.5
1-2 PM	2699	0.0	879	0.0	3000	2699	0	879	0.53	0	67.4	61.0	42.5	35.5	35.5
2-3 PM	2670	0.0	870	0.0	3000	2670	0	870	0.51	0	67.4	61.2	43.0	35.6	35.6
3-4 PM	2713	0.0	884	0.0	3000	2713	0	884	0.54	0	67.4	60.9	42.2	35.5	35.5
4-5 PM	2752	0.0	897	0.0	3000	2752	0	897	0.57	0	67.3	60.5	41.4	35.4	35.4
5-6 PM	2369	0.0	771	0.0	3000	2369	0	771	0.33	0	67.8	63.7	49.7	36.0	36.0
6-7 PM	1971	0.0	642	0.0	3000	1971	0	642	0.34	0	68.3	64.0	49.7	36.6	36.6
7-8 PM	1537	0.0	500	0.0	3000	1537	0	500	0.34	0	68.8	64.4	49.7	37.3	37.3
8-9 PM	1125	0.0	366	0.0	3000	1125	0	366	0.35	0	69.4	64.8	49.7	38.0	38.0
9-10 PM	855	0.0	278	0.0	3000	855	0	278	0.35	0	69.7	65.0	49.7	38.4	38.4
10-11 PM	605	0.0	197	0.0	3000	605	0	197	0.36	0	70.0	65.2	49.7	38.8	38.8
11PM-MID	430	0.0	140	0.0	3000	430	0	140	0.36	0	70.2	65.3	49.7	39.1	39.1

*----- 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	0.0294
MAIN ROUTE WITH WORKS	0.0273
DIVERSION	0.1077

PIA: Personal Injury Accidents

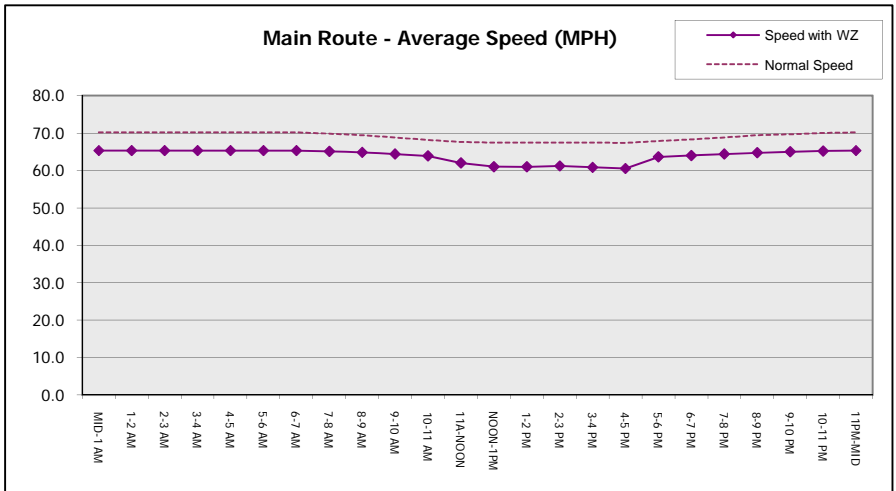
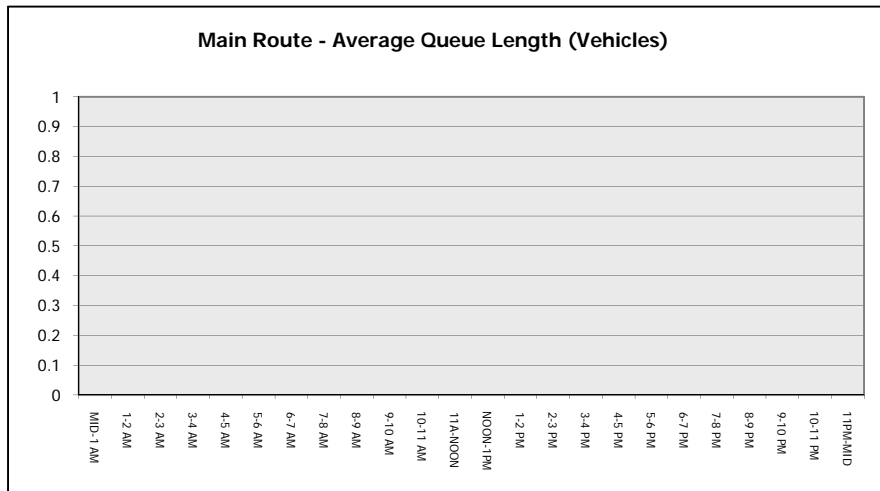
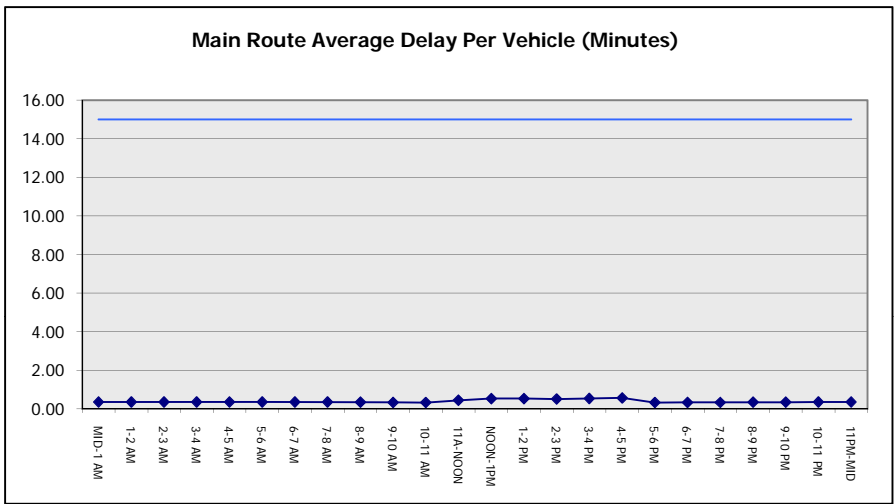
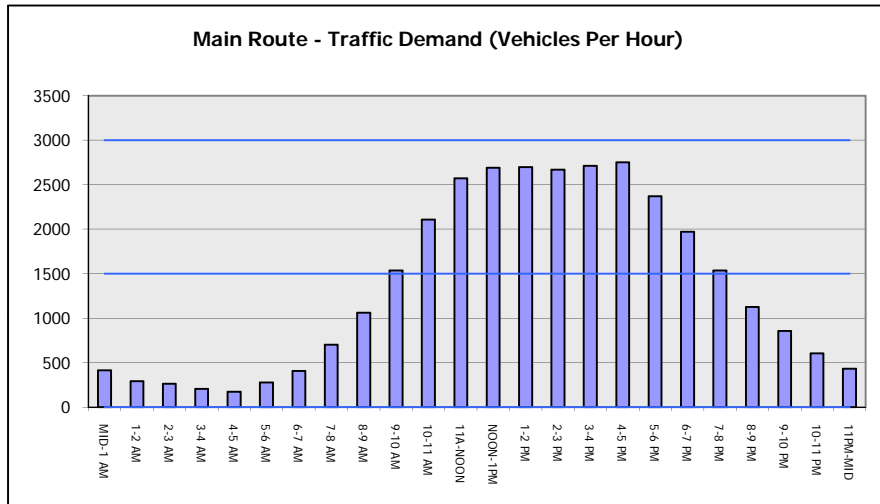
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$3,975
CONGESTED HOURS PER DAY*	0

\*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**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY WESTBOUND DIRECTION**



<b>IH 39/90/94: USH 51 TO IH 94/STH 30 (DANE COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 30 - USH 51</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	414	0.0	135	0.0	3000	414	0	135	0.36	0	70.2	65.3	49.7	39.1	39.1
1-2 AM	270	0.0	88	0.0	3000	270	0	88	0.36	0	70.2	65.3	49.7	39.3	39.3
2-3 AM	225	0.0	73	0.0	3000	225	0	73	0.36	0	70.2	65.3	49.7	39.4	39.4
3-4 AM	162	0.0	53	0.0	3000	162	0	53	0.36	0	70.2	65.3	49.7	39.5	39.5
4-5 AM	173	0.0	57	0.0	3000	173	0	57	0.36	0	70.2	65.3	49.7	39.5	39.5
5-6 AM	218	0.0	71	0.0	3000	218	0	71	0.36	0	70.2	65.3	49.7	39.4	39.4
6-7 AM	423	0.0	137	0.0	3000	423	0	137	0.36	0	70.2	65.3	49.7	39.1	39.1
7-8 AM	616	0.0	201	0.0	3000	616	0	201	0.36	0	70.0	65.2	49.7	38.8	38.8
8-9 AM	1004	0.0	326	0.0	3000	1004	0	326	0.35	0	69.5	64.8	49.7	38.2	38.2
9-10 AM	1601	0.0	521	0.0	3000	1601	0	521	0.34	0	68.7	64.3	49.7	37.3	37.3
10-11 AM	2174	0.0	708	0.0	3000	2174	0	708	0.33	0	68.1	63.8	49.7	36.3	36.3
11A-NOON	2734	0.0	890	0.0	2999	2734	0	890	0.55	0	67.3	60.7	41.9	35.5	35.5
NOON-1PM	2979	0.0	970	0.0	2999	2979	0	970	0.77	3	67.0	58.2	37.8	35.1	35.1
1-2 PM	3132	0.0	1020	0.0	3000	3132	0	1020	1.96	71	66.8	48.3	37.3	34.8	34.8
2-3 PM	3264	0.0	1063	0.0	3000	3264	0	1063	5.49	271	66.7	32.2	37.3	34.7	34.7
3-4 PM	3335	0.0	1086	0.0	2999	3003	332	1418+	8.17	411	66.6	25.7	37.3	34.5	32.9
4-5 PM	3327	0.0	1083	0.0	3000	2990	336	1419+	8.17	412	66.6	25.7	37.3	34.5	32.9
5-6 PM	2956	0.0	963	0.0	3000	2901	55	1018	7.23	358	67.1	27.8	37.3	35.1	34.8
6-7 PM	2601	0.0	848	0.0	2999	2601	0	848	2.72	143	67.5	43.9	41.2	35.6	35.6
7-8 PM	1989	0.0	648	0.0	3000	1989	0	648	0.33	0	68.2	64.0	49.7	36.6	36.6
8-9 PM	1574	0.0	513	0.0	3000	1574	0	513	0.34	0	68.8	64.3	49.7	37.3	37.3
9-10 PM	1038	0.0	338	0.0	3000	1038	0	338	0.35	0	69.4	64.8	49.7	38.1	38.1
10-11 PM	668	0.0	218	0.0	3000	668	0	218	0.36	0	69.9	65.1	49.7	38.7	38.7
11PM-MID	453	0.0	148	0.0	3000	453	0	148	0.36	0	70.2	65.3	49.7	39.1	39.1

+ 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	0.0338
MAIN ROUTE WITH WORKS	0.0308
DIVERSION	0.1314

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$32,665
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**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY EASTBOUND DIRECTION**

