

**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

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	519	0.0	170	0.0	3000	519	0	170	0.36	0	70.1	65.3	49.7	38.9	38.9
1-2 AM	363	0.0	118	0.0	3000	363	0	118	0.36	0	70.2	65.3	49.7	39.2	39.2
2-3 AM	315	0.0	103	0.0	3000	315	0	103	0.36	0	70.2	65.3	49.7	39.2	39.2
3-4 AM	288	0.0	94	0.0	3000	288	0	94	0.36	0	70.2	65.3	49.7	39.3	39.3
4-5 AM	326	0.0	106	0.0	3000	326	0	106	0.36	0	70.2	65.3	49.7	39.2	39.2
5-6 AM	536	0.0	175	0.0	3000	536	0	175	0.36	0	70.0	65.3	49.7	38.9	38.9
6-7 AM	829	0.0	270	0.0	3000	829	0	270	0.35	0	69.7	65.0	49.7	38.4	38.4
7-8 AM	1368	0.0	446	0.0	3000	1368	0	446	0.34	0	69.1	64.5	49.7	37.6	37.6
8-9 AM	1912	0.0	623	0.0	3000	1912	0	623	0.34	0	68.4	64.0	49.7	36.8	36.8
9-10 AM	2241	0.0	730	0.0	3000	2241	0	730	0.33	0	67.9	63.8	49.7	36.2	36.2
10-11 AM	2567	0.0	836	0.0	3000	2567	0	836	0.45	0	67.6	62.1	45.3	35.7	35.7
11A-NOON	2560	0.0	834	0.0	3000	2560	0	834	0.44	0	67.6	62.2	45.4	35.7	35.7
NOON-1PM	2550	0.0	831	0.0	3000	2550	0	831	0.43	0	67.6	62.2	45.6	35.8	35.8
1-2 PM	2426	0.0	790	0.0	3000	2426	0	790	0.35	0	67.7	63.3	48.7	36.0	36.0
2-3 PM	2779	0.0	905	0.0	3000	2779	0	905	0.58	0	67.3	60.4	40.9	35.4	35.4
3-4 PM	2811	0.0	916	0.0	3000	2811	0	916	0.60	0	67.3	60.1	40.4	35.3	35.3
4-5 PM	2544	0.0	829	0.0	3000	2544	0	829	0.43	0	67.6	62.3	45.8	35.8	35.8
5-6 PM	2489	0.0	811	0.0	3000	2489	0	811	0.40	0	67.6	62.7	47.1	35.8	35.8
6-7 PM	2014	0.0	656	0.0	3000	2014	0	656	0.33	0	68.2	64.0	49.7	36.6	36.6
7-8 PM	1543	0.0	502	0.0	3000	1543	0	502	0.34	0	68.8	64.4	49.7	37.3	37.3
8-9 PM	1196	0.0	389	0.0	3000	1196	0	389	0.35	0	69.2	64.7	49.7	37.9	37.9
9-10 PM	1079	0.0	352	0.0	3000	1079	0	352	0.35	0	69.4	64.8	49.7	38.1	38.1
10-11 PM	802	0.0	261	0.0	3000	802	0	261	0.35	0	69.7	65.0	49.7	38.5	38.5
11PM-MID	566	0.0	184	0.0	3000	566	0	184	0.36	0	70.0	65.3	49.7	38.9	38.9

----- 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	0.0332
MAIN ROUTE WITH WORKS	0.0308
DIVERSION	0.1217

PIA: Personal Injury Accidents

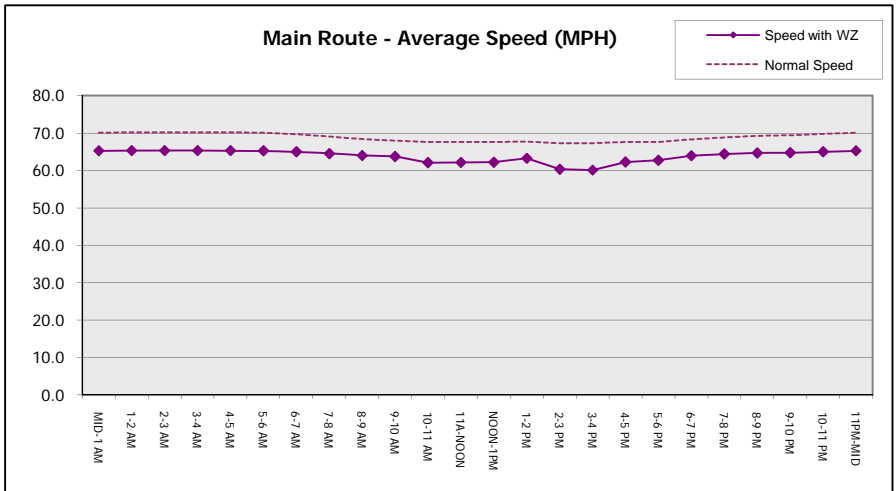
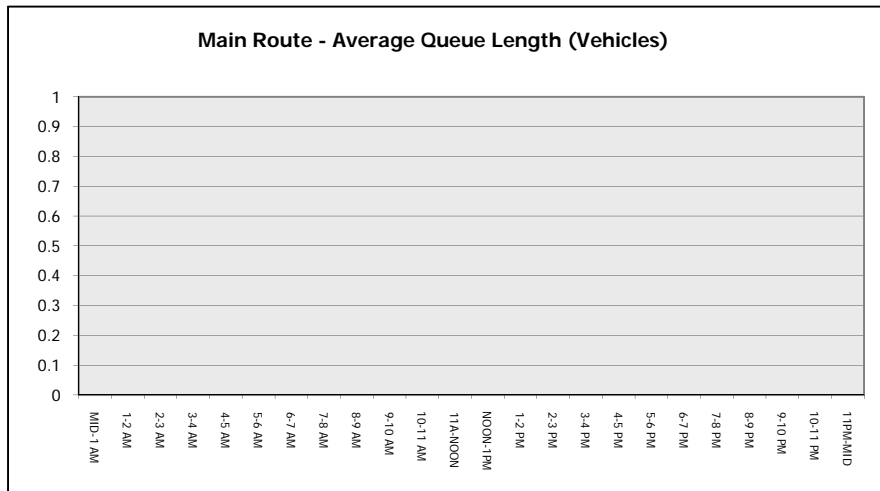
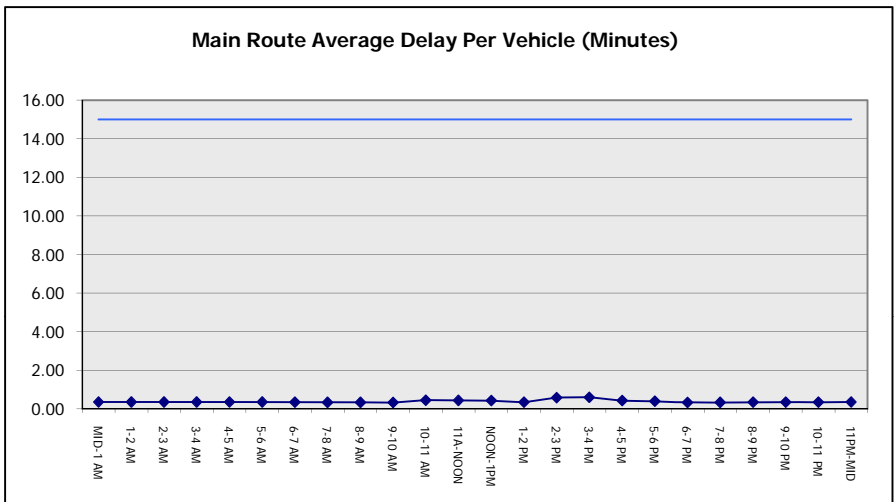
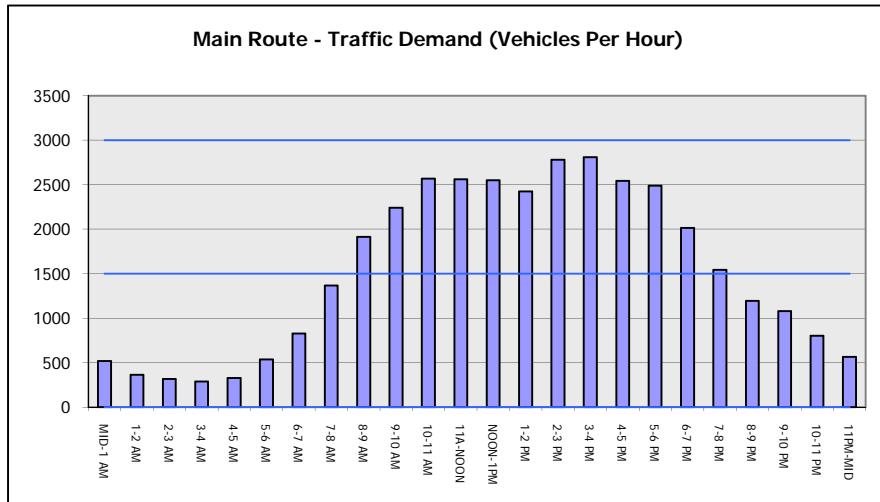
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,720
CONGESTED HOURS PER DAY*	0

*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
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	OCTOBER
	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		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	450	0.0	146	0.0	3000	450	0	146	0.36	0	70.2	65.3	49.7	39.1	39.1
1-2 AM	321	0.0	105	0.0	3000	321	0	105	0.36	0	70.2	65.3	49.7	39.2	39.2
2-3 AM	293	0.0	95	0.0	3000	293	0	95	0.36	0	70.2	65.3	49.7	39.3	39.3
3-4 AM	273	0.0	89	0.0	3000	273	0	89	0.36	0	70.2	65.3	49.7	39.3	39.3
4-5 AM	315	0.0	103	0.0	3000	315	0	103	0.36	0	70.2	65.3	49.7	39.2	39.2
5-6 AM	403	0.0	131	0.0	3000	403	0	131	0.36	0	70.2	65.3	49.7	39.1	39.1
6-7 AM	758	0.0	247	0.0	3000	758	0	247	0.35	0	69.8	65.1	49.7	38.6	38.6
7-8 AM	1283	0.0	418	0.0	3000	1283	0	418	0.35	0	69.1	64.6	49.7	37.8	37.8
8-9 AM	2229	0.0	726	0.0	3000	2229	0	726	0.33	0	67.9	63.8	49.7	36.3	36.3
9-10 AM	2637	0.0	859	0.0	3000	2637	0	859	0.49	0	67.4	61.5	43.7	35.6	35.6
10-11 AM	2414	0.0	786	0.0	3000	2414	0	786	0.35	0	67.8	63.4	48.9	36.0	36.0
11A-NOON	2313	0.0	753	0.0	3000	2313	0	753	0.33	0	67.9	63.7	49.7	36.1	36.1
NOON-1PM	2310	0.0	752	0.0	3000	2310	0	752	0.33	0	67.9	63.7	49.7	36.1	36.1
1-2 PM	2268	0.0	739	0.0	3000	2268	0	739	0.33	0	67.9	63.7	49.7	36.2	36.2
2-3 PM	2258	0.0	736	0.0	3000	2258	0	736	0.33	0	67.9	63.7	49.7	36.2	36.2
3-4 PM	2237	0.0	728	0.0	3000	2237	0	728	0.33	0	67.9	63.8	49.7	36.3	36.3
4-5 PM	2273	0.0	740	0.0	3000	2273	0	740	0.33	0	67.9	63.7	49.7	36.2	36.2
5-6 PM	2114	0.0	689	0.0	3000	2114	0	689	0.33	0	68.1	63.9	49.7	36.5	36.5
6-7 PM	1858	0.0	606	0.0	3000	1858	0	606	0.34	0	68.4	64.1	49.7	36.8	36.8
7-8 PM	1536	0.0	500	0.0	3000	1536	0	500	0.34	0	68.8	64.4	49.7	37.3	37.3
8-9 PM	1321	0.0	430	0.0	3000	1321	0	430	0.35	0	69.1	64.6	49.7	37.7	37.7
9-10 PM	1112	0.0	362	0.0	3000	1112	0	362	0.35	0	69.4	64.8	49.7	38.0	38.0
10-11 PM	854	0.0	278	0.0	3000	854	0	278	0.35	0	69.7	65.0	49.7	38.4	38.4
11PM-MID	581	0.0	189	0.0	3000	581	0	189	0.36	0	70.0	65.3	49.7	38.8	38.8

----- 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	0.0312
MAIN ROUTE WITH WORKS	0.0289
DIVERSION	0.1143

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,973
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 30 - USH 51

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

