

<b>IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>DIVERSION ROUTE: IH 39 - USH 12 - STH 73</b>	<b>AUGUST</b>
	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	90	0.0	1500	412	0	90	0.46	0	65.6	62.5	43.8	43.4	43.4
1-2 AM	222	0.0	48	0.0	1500	222	0	48	0.44	0	66.0	62.9	44.6	44.0	44.0
2-3 AM	113	0.0	24	0.0	1500	113	0	24	0.43	0	66.2	63.2	45.0	44.3	44.3
3-4 AM	92	0.0	20	0.0	1500	92	0	20	0.43	0	66.2	63.2	45.1	44.4	44.4
4-5 AM	94	0.0	21	0.0	1500	94	0	21	0.43	0	66.2	63.2	45.1	44.4	44.4
5-6 AM	161	0.0	36	0.0	1500	161	0	36	0.44	0	66.1	63.1	44.8	44.2	44.2
6-7 AM	307	0.0	67	0.0	1500	307	0	67	0.45	0	65.8	62.7	44.3	43.8	43.8
7-8 AM	584	0.0	128	0.0	1500	584	0	128	0.48	0	65.3	62.1	43.2	42.9	42.9
8-9 AM	982	0.0	214	0.0	1499	982	0	214	0.52	0	64.6	61.2	41.7	41.7	41.7
9-10 AM	1489	0.0	324	0.0	OFF	1489	0	324	0.00	0	63.6	63.6	63.6	40.1	40.1
10-11 AM	2047	0.0	447	0.0	OFF	2047	0	447	0.00	0	62.6	62.6	62.6	38.4	38.4
11A-NOON	2366	0.0	516	0.0	OFF	2366	0	516	0.00	0	62.0	62.0	62.0	37.4	37.4
NOON-1PM	2285	0.0	499	0.0	OFF	2285	0	499	0.00	0	62.1	62.1	62.1	37.6	37.6
1-2 PM	2125	0.0	463	0.0	OFF	2125	0	463	0.00	0	62.4	62.4	62.4	38.1	38.1
2-3 PM	2074	0.0	452	0.0	OFF	2074	0	452	0.00	0	62.5	62.5	62.5	38.3	38.3
3-4 PM	1979	0.0	432	0.0	OFF	1979	0	432	0.00	0	62.7	62.7	62.7	38.6	38.6
4-5 PM	2027	0.0	443	0.0	OFF	2027	0	443	0.00	0	62.6	62.6	62.6	38.4	38.4
5-6 PM	2003	0.0	436	0.0	OFF	2003	0	436	0.00	0	62.7	62.7	62.7	38.5	38.5
6-7 PM	1558	0.0	340	0.0	OFF	1558	0	340	0.00	0	63.5	63.5	63.5	39.9	39.9
7-8 PM	1328	0.0	290	0.0	1500	1328	0	290	0.80	0	63.9	58.9	34.8	40.6	40.6
8-9 PM	1106	0.0	242	0.0	1500	1106	0	242	0.53	0	64.3	60.9	41.3	41.3	41.3
9-10 PM	809	0.0	177	0.0	1500	809	0	177	0.50	0	64.9	61.6	42.4	42.2	42.2
10-11 PM	581	0.0	127	0.0	1500	581	0	127	0.48	0	65.3	62.1	43.2	42.9	42.9
11PM-MID	375	0.0	82	0.0	1500	375	0	82	0.46	0	65.7	62.6	44.0	43.5	43.5

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0436
MAIN ROUTE WITH WORKS	0.0431
DIVERSION	0.0449

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,173
CONGESTED HOURS PER DAY*	0

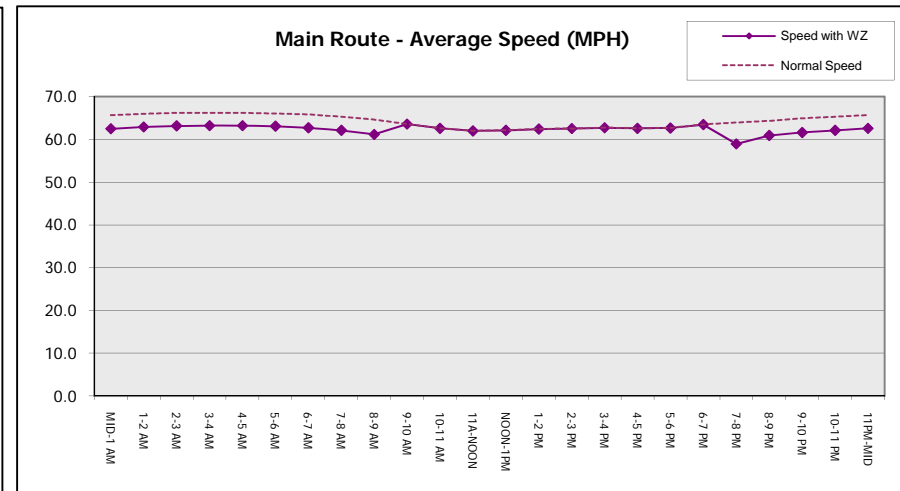
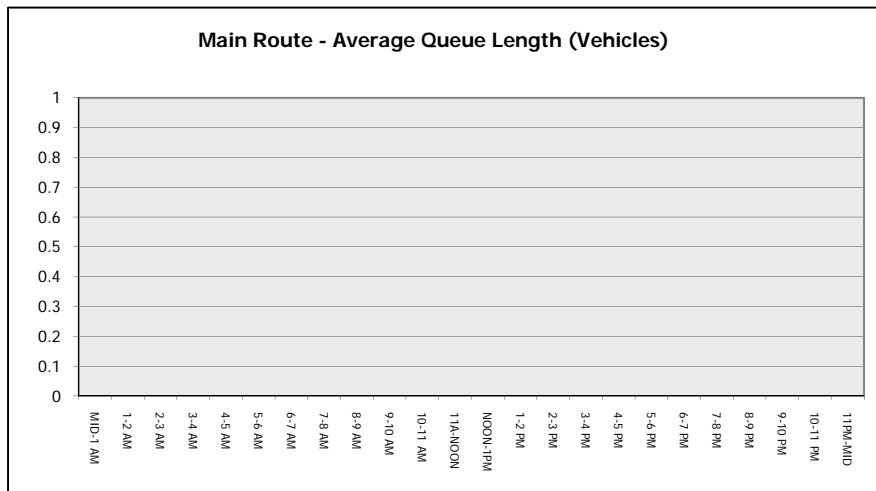
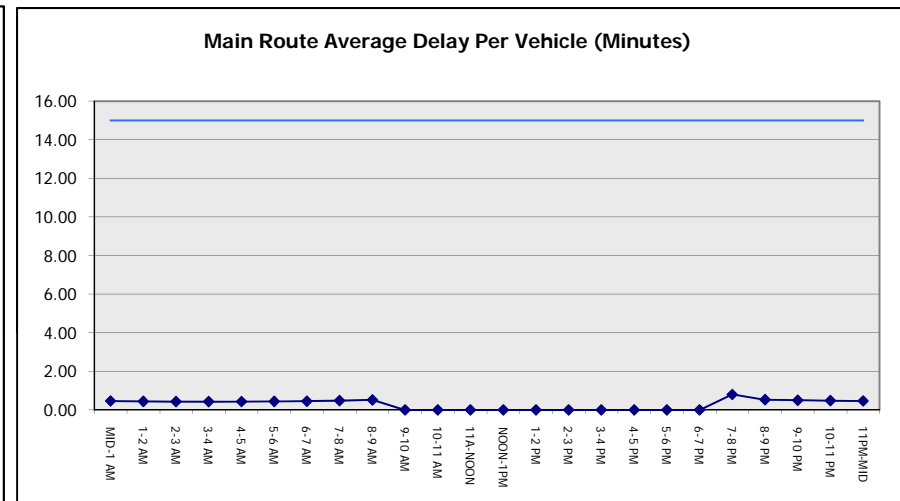
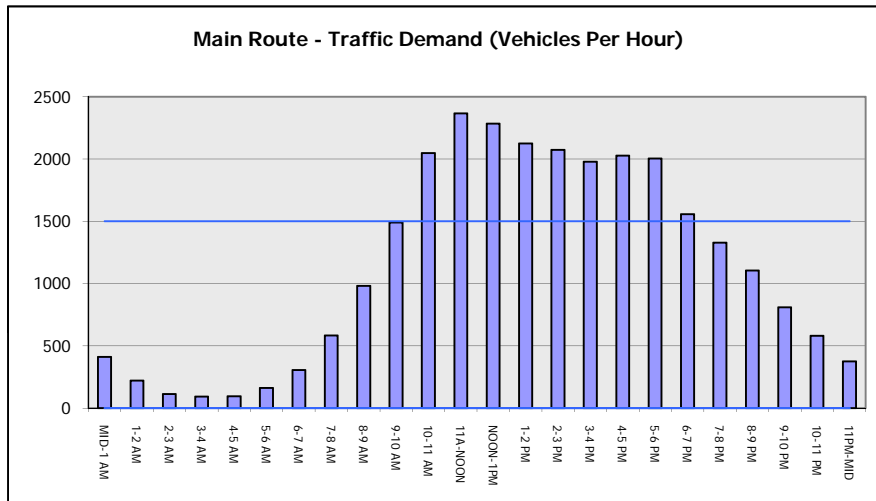
\*Delays Exceeding 15 Minutes

**IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY)  
 NIGHTTIME CLOSURE  
 DIVERSION ROUTE: IH 39 - USH 12 - STH 73**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SUNDAY WESTBOUND DIRECTION**



<b>IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: IH 39 - USH 12 - STH 73</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
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	468	0.0	101	0.0	1500	468	0	101	0.47	0	65.5	62.3	43.7	43.3	43.3
1-2 AM	222	0.0	48	0.0	1500	222	0	48	0.44	0	66.0	62.9	44.6	44.0	44.0
2-3 AM	162	0.0	36	0.0	1500	162	0	36	0.44	0	66.1	63.1	44.8	44.2	44.2
3-4 AM	133	0.0	29	0.0	1500	133	0	29	0.44	0	66.1	63.2	45.0	44.3	44.3
4-5 AM	121	0.0	26	0.0	1500	121	0	26	0.43	0	66.1	63.2	45.0	44.3	44.3
5-6 AM	161	0.0	36	0.0	1500	161	0	36	0.44	0	66.1	63.1	44.8	44.2	44.2
6-7 AM	238	0.0	52	0.0	1500	238	0	52	0.45	0	66.0	62.9	44.5	44.0	44.0
7-8 AM	394	0.0	86	0.0	1500	394	0	86	0.46	0	65.6	62.5	43.9	43.5	43.5
8-9 AM	725	0.0	158	0.0	1500	725	0	158	0.49	0	65.0	61.8	42.7	42.5	42.5
9-10 AM	1216	0.0	265	0.0	OFF	1216	0	265	0.00	0	64.1	64.1	64.1	40.9	40.9
10-11 AM	1859	0.0	406	0.0	OFF	1859	0	406	0.00	0	62.9	62.9	62.9	38.9	38.9
11A-NOON	2412	0.0	526	0.0	OFF	2412	0	526	0.00	0	61.8	61.8	61.8	37.2	37.2
NOON-1PM	2578	0.0	563	0.0	OFF	2578	0	563	0.00	0	60.1	60.1	60.1	36.7	36.7
1-2 PM	2644	0.0	576	0.0	OFF	2644	0	576	0.00	0	59.4	59.4	59.4	36.5	36.5
2-3 PM	2856	0.0	622	0.0	OFF	2856	0	622	0.00	0	57.3	57.3	57.3	35.8	35.8
3-4 PM	2990	0.0	652	0.0	OFF	2990	0	652	0.00	0	55.9	55.9	55.9	35.4	35.4
4-5 PM	2970	0.0	648	0.0	OFF	2970	0	648	0.00	0	56.1	56.1	56.1	35.5	35.5
5-6 PM	3058	0.0	667	0.0	OFF	3058	0	667	0.00	0	55.2	55.2	55.2	35.2	35.2
6-7 PM	2586	0.0	564	0.0	OFF	2586	0	564	0.00	0	60.0	60.0	60.0	36.7	36.7
7-8 PM	2367	0.0	516	0.0	1499	2294	73	589	15.19	447	62.0	24.3	30.8	37.4	36.3
8-9 PM	1924	0.0	420	0.0	1500	1412	513	932	29.66	776	62.8	15.4	30.8	38.8	31.4
9-10 PM	1362	0.0	297	0.0	1499	1230	133	430	21.90	568	63.8	19.3	30.8	40.5	38.6
10-11 PM	872	0.0	190	0.0	1499	872	0	190	5.26	174	64.8	41.5	38.2	42.0	42.0
11PM-MID	449	0.0	98	0.0	1500	449	0	98	0.47	0	65.6	62.4	43.7	43.3	43.3

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0559
MAIN ROUTE WITH WORKS	0.0541
DIVERSION	0.0630

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$38,541
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding 15 Minutes

**IH 94: IH 39/STH 30 TO STH 73 (DANE COUNTY)  
NIGHTTIME CLOSURE  
DIVERSION ROUTE: IH 39 - USH 12 - STH 73**

**AUGUST**  
Analyzed for 2009  
Construction Season

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

