

<b>IH 94: STH 73 TO STH 26 (DANE AND JEFFERSON COUNTIES)</b> <b>NIGHTTIME CLOSURE</b> <b>DIVERSION ROUTE: STH 73 - USH 12 - USH 18 - STH 89</b>	<b>AUGUST</b>
	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	218	0.0	29	0.0	1500	218	0	29	0.44	0	66.0	62.6	44.6	34.5	34.5
1-2 AM	143	0.0	19	0.0	1500	143	0	19	0.44	0	66.1	62.8	44.9	34.6	34.6
2-3 AM	132	0.0	18	0.0	1500	132	0	18	0.44	0	66.1	62.8	45.0	34.6	34.6
3-4 AM	110	0.0	15	0.0	1500	110	0	15	0.43	0	66.2	62.9	45.0	34.6	34.6
4-5 AM	163	0.0	22	0.0	1500	163	0	22	0.44	0	66.1	62.7	44.8	34.5	34.5
5-6 AM	361	0.0	48	0.0	OFF	361	0	48	0.00	0	65.7	65.7	65.7	34.3	34.3
6-7 AM	816	0.0	109	0.0	OFF	816	0	109	0.00	0	64.9	64.9	64.9	33.6	33.6
7-8 AM	1159	0.0	155	0.0	OFF	1159	0	155	0.00	0	64.2	64.2	64.2	33.1	33.1
8-9 AM	1307	0.0	174	0.0	OFF	1307	0	174	0.00	0	64.0	64.0	64.0	32.9	32.9
9-10 AM	1488	0.0	198	0.0	OFF	1488	0	198	0.00	0	63.6	63.6	63.6	32.6	32.6
10-11 AM	1572	0.0	209	0.0	OFF	1572	0	209	0.00	0	63.5	63.5	63.5	32.5	32.5
11A-NOON	1584	0.0	211	0.0	OFF	1584	0	211	0.00	0	63.4	63.4	63.4	32.5	32.5
NOON-1PM	1736	0.0	231	0.0	OFF	1736	0	231	0.00	0	63.2	63.2	63.2	32.2	32.2
1-2 PM	1782	0.0	238	0.0	OFF	1782	0	238	0.00	0	63.1	63.1	63.1	32.2	32.2
2-3 PM	1891	0.0	252	0.0	OFF	1891	0	252	0.00	0	62.8	62.8	62.8	32.0	32.0
3-4 PM	2007	0.0	268	0.0	OFF	2007	0	268	0.00	0	62.7	62.7	62.7	31.9	31.9
4-5 PM	2100	0.0	279	0.0	OFF	2100	0	279	0.00	0	62.5	62.5	62.5	31.7	31.7
5-6 PM	2168	0.0	289	0.0	OFF	2168	0	289	0.00	0	62.3	62.3	62.3	31.6	31.6
6-7 PM	2032	0.0	271	0.0	OFF	2032	0	271	0.00	0	62.6	62.6	62.6	31.8	31.8
7-8 PM	1404	0.0	187	0.0	1499	1404	0	187	1.08	6	63.8	56.6	33.5	32.7	32.7
8-9 PM	939	0.0	125	0.0	1500	939	0	125	0.51	0	64.6	60.9	41.9	33.4	33.4
9-10 PM	721	0.0	96	0.0	1500	721	0	96	0.49	0	65.0	61.4	42.7	33.7	33.7
10-11 PM	628	0.0	84	0.0	1500	628	0	84	0.48	0	65.2	61.7	43.0	33.8	33.8
11PM-MID	493	0.0	66	0.0	1500	493	0	66	0.47	0	65.5	62.0	43.5	34.0	34.0

"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	0.0390
MAIN ROUTE WITH WORKS	0.0387
DIVERSION	0.1064

PIA: Personal Injury Accidents

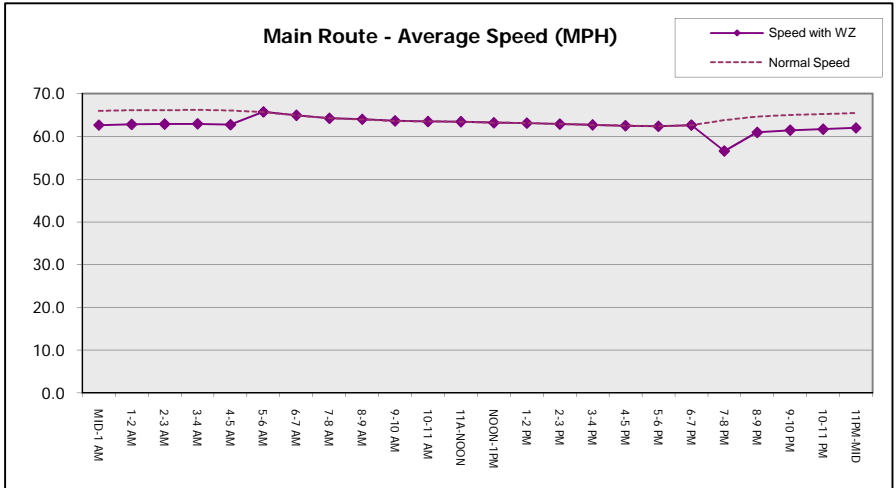
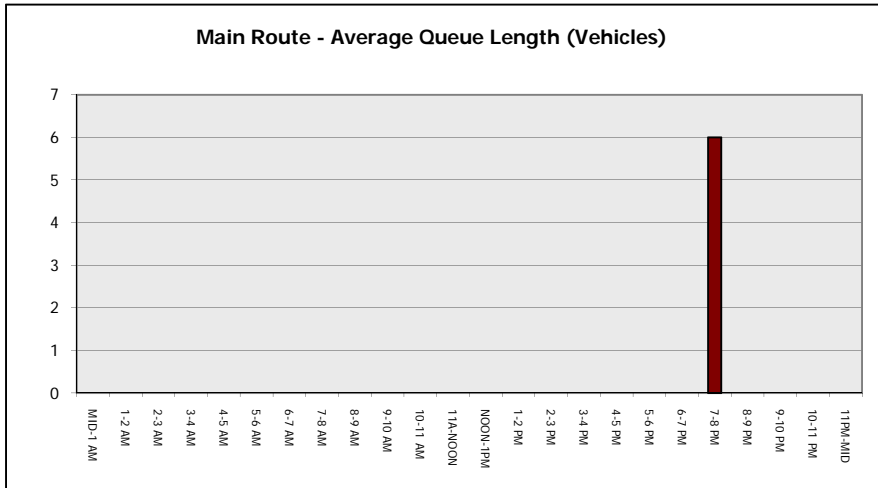
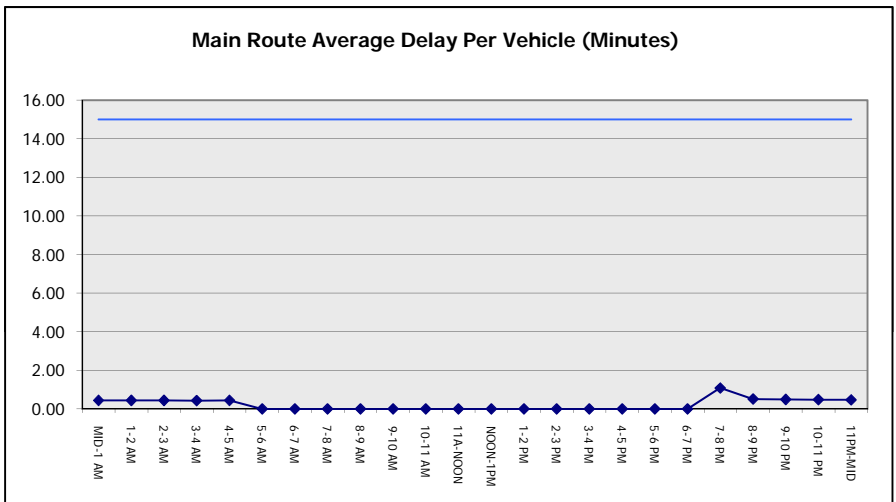
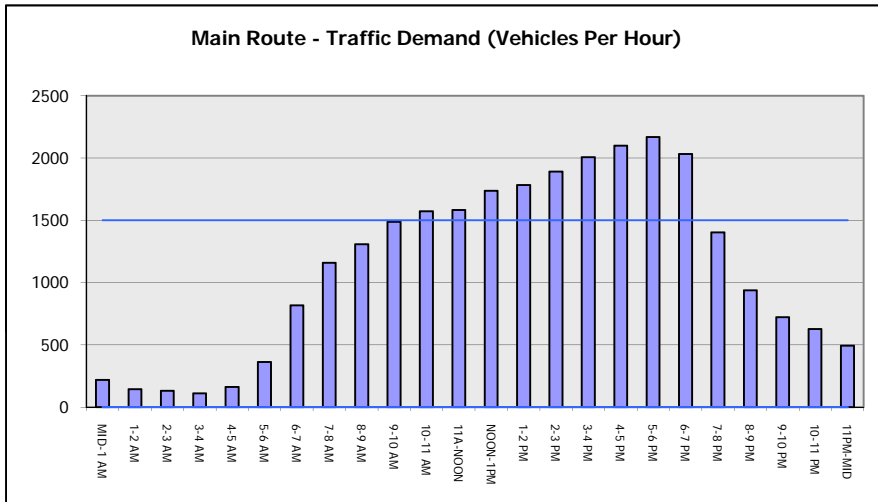
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$680
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 94: STH 73 TO STH 26 (DANE AND JEFFERSON COUNTIES)**  
**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: STH 73 - USH 12 - USH 18 - STH 89**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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



<b>IH 94: STH 73 TO STH 26 (DANE AND JEFFERSON COUNTIES)</b> <b>NIGHTTIME CLOSURE</b> <b>DIVERSION ROUTE: STH 73 - USH 12 - USH 18 - STH 89</b>	<b>AUGUST</b>
	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	218	0.0	29	0.0	1500	218	0	29	0.44	0	66.0	62.6	44.6	34.5	34.5	
1-2 AM	121	0.0	16	0.0	1500	121	0	16	0.43	0	66.1	62.8	45.0	34.6	34.6	
2-3 AM	103	0.0	14	0.0	1500	103	0	14	0.43	0	66.2	62.9	45.1	34.7	34.7	
3-4 AM	136	0.0	18	0.0	1500	136	0	18	0.44	0	66.1	62.8	45.0	34.6	34.6	
4-5 AM	222	0.0	29	0.0	1500	222	0	29	0.44	0	66.0	62.6	44.6	34.5	34.5	
5-6 AM	439	0.0	59	0.0	OFF	439	0	59	0.00	0	65.6	65.6	65.6	34.2	34.2	
6-7 AM	767	0.0	103	0.0	OFF	767	0	103	0.00	0	65.0	65.0	65.0	33.7	33.7	
7-8 AM	1012	0.0	135	0.0	OFF	1012	0	135	0.00	0	64.5	64.5	64.5	33.3	33.3	
8-9 AM	925	0.0	123	0.0	OFF	925	0	123	0.00	0	64.6	64.6	64.6	33.4	33.4	
9-10 AM	972	0.0	130	0.0	OFF	972	0	130	0.00	0	64.6	64.6	64.6	33.3	33.3	
10-11 AM	1080	0.0	144	0.0	OFF	1080	0	144	0.00	0	64.4	64.4	64.4	33.2	33.2	
11A-NOON	1152	0.0	154	0.0	OFF	1152	0	154	0.00	0	64.2	64.2	64.2	33.1	33.1	
NOON-1PM	1276	0.0	170	0.0	OFF	1276	0	170	0.00	0	64.0	64.0	64.0	32.9	32.9	
1-2 PM	1468	0.0	196	0.0	OFF	1468	0	196	0.00	0	63.7	63.7	63.7	32.6	32.6	
2-3 PM	1614	0.0	215	0.0	OFF	1614	0	215	0.00	0	63.4	63.4	63.4	32.4	32.4	
3-4 PM	1759	0.0	234	0.0	OFF	1759	0	234	0.00	0	63.1	63.1	63.1	32.2	32.2	
4-5 PM	1840	0.0	245	0.0	OFF	1840	0	245	0.00	0	63.0	63.0	63.0	32.1	32.1	
5-6 PM	1757	0.0	234	0.0	OFF	1757	0	234	0.00	0	63.1	63.1	63.1	32.2	32.2	
6-7 PM	1366	0.0	182	0.0	OFF	1366	0	182	0.00	0	63.8	63.8	63.8	32.8	32.8	
7-8 PM	1055	0.0	140	0.0	1500	1055	0	140	0.52	0	64.4	60.7	41.5	33.2	33.2	
8-9 PM	871	0.0	116	0.0	1500	871	0	116	0.51	0	64.8	61.1	42.2	33.5	33.5	
9-10 PM	748	0.0	99	0.0	1500	748	0	99	0.49	0	65.0	61.4	42.6	33.7	33.7	
10-11 PM	543	0.0	72	0.0	1500	543	0	72	0.48	0	65.4	61.9	43.3	34.0	34.0	
11PM-MID	398	0.0	53	0.0	1500	398	0	53	0.46	0	65.6	62.2	43.9	34.2	34.2	

"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	0.0316
MAIN ROUTE WITH WORKS	0.0313
DIVERSION	0.0862

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$455
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: STH 73 - USH 12 - USH 18 - STH 89**

**AUGUST**  
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**FRIDAY EASTBOUND DIRECTION**

