

<b>IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES)</b> <b>NIGHTTIME CLOSURE</b> <b>DIVERSION ROUTE: USH 14 - USH 51</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	388	0.0	47	0.0	1500	388	0	47	0.46	0	65.6	63.0	44.0	39.2	39.2
1-2 AM	299	0.0	37	0.0	1500	299	0	37	0.45	0	65.8	63.2	44.3	39.3	39.3
2-3 AM	315	0.0	38	0.0	1500	315	0	38	0.45	0	65.8	63.2	44.2	39.2	39.2
3-4 AM	308	0.0	37	0.0	1500	308	0	37	0.45	0	65.8	63.2	44.3	39.3	39.3
4-5 AM	483	0.0	59	0.0	1500	483	0	59	0.47	0	65.5	62.8	43.6	39.0	39.0
5-6 AM	898	0.0	109	0.0	OFF	898	0	109	0.00	0	64.7	64.7	64.7	38.4	38.4
6-7 AM	1324	0.0	161	0.0	OFF	1324	0	161	0.00	0	63.9	63.9	63.9	37.8	37.8
7-8 AM	1450	0.0	176	0.0	OFF	1450	0	176	0.00	0	63.7	63.7	63.7	37.6	37.6
8-9 AM	1334	0.0	162	0.0	OFF	1334	0	162	0.00	0	63.9	63.9	63.9	37.8	37.8
9-10 AM	1400	0.0	169	0.0	OFF	1400	0	169	0.00	0	63.8	63.8	63.8	37.6	37.6
10-11 AM	1588	0.0	192	0.0	OFF	1588	0	192	0.00	0	63.4	63.4	63.4	37.4	37.4
11A-NOON	1644	0.0	199	0.0	OFF	1644	0	199	0.00	0	63.3	63.3	63.3	37.3	37.3
NOON-1PM	1678	0.0	203	0.0	OFF	1678	0	203	0.00	0	63.3	63.3	63.3	37.2	37.2
1-2 PM	1679	0.0	203	0.0	OFF	1679	0	203	0.00	0	63.3	63.3	63.3	37.2	37.2
2-3 PM	1792	0.0	216	0.0	OFF	1792	0	216	0.00	0	63.0	63.0	63.0	37.1	37.1
3-4 PM	1789	0.0	216	0.0	OFF	1789	0	216	0.00	0	63.0	63.0	63.0	37.1	37.1
4-5 PM	1728	0.0	209	0.0	OFF	1728	0	209	0.00	0	63.2	63.2	63.2	37.1	37.1
5-6 PM	1507	0.0	182	0.0	OFF	1507	0	182	0.00	0	63.6	63.6	63.6	37.5	37.5
6-7 PM	1212	0.0	146	0.0	OFF	1212	0	146	0.00	0	64.1	64.1	64.1	37.9	37.9
7-8 PM	1050	0.0	127	0.0	1500	1050	0	127	0.52	0	64.5	61.5	41.5	38.2	38.2
8-9 PM	925	0.0	112	0.0	1500	925	0	112	0.51	0	64.6	61.8	41.9	38.4	38.4
9-10 PM	790	0.0	96	0.0	1500	790	0	96	0.50	0	64.9	62.1	42.4	38.6	38.6
10-11 PM	649	0.0	78	0.0	1500	649	0	78	0.49	0	65.2	62.4	43.0	38.8	38.8
11PM-MID	459	0.0	56	0.0	1500	459	0	56	0.47	0	65.5	62.8	43.7	39.1	39.1

"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	0.0510
MAIN ROUTE WITH WORKS	0.0506
DIVERSION	0.0535

PIA: Personal Injury Accidents

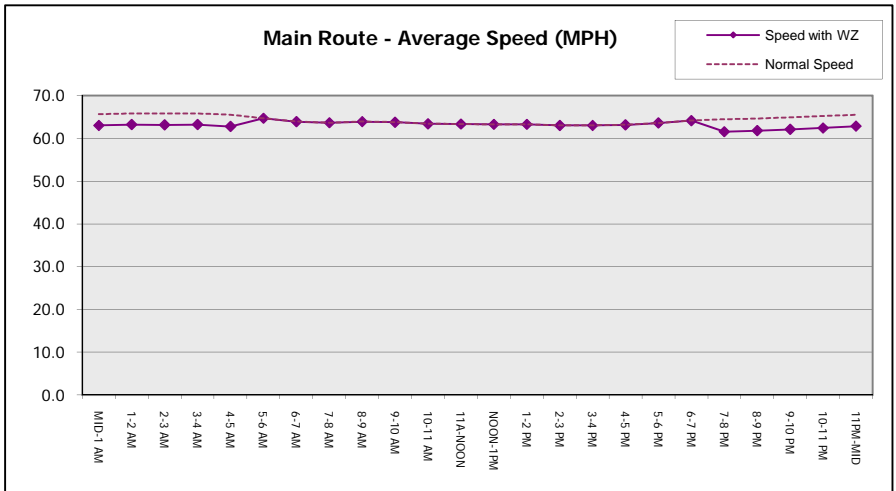
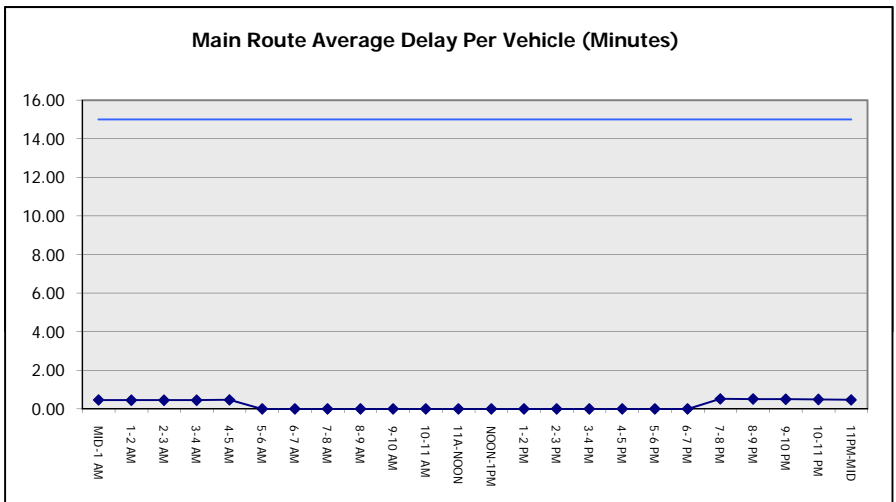
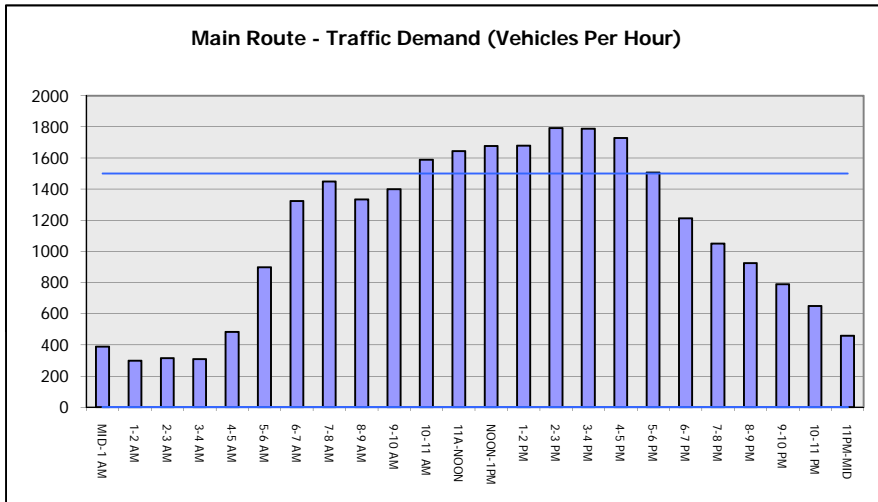
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$566
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES)**  
**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: USH 14 - USH 51**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR WESTBOUND DIRECTION**



<b>IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES) NIGHTTIME CLOSURE DIVERSION ROUTE: USH 14 - USH 51</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
MON-THUR	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	383	0.0	46	0.0	1500	383	0	46	0.46	0	65.7	63.0	44.0	39.2	39.2
1-2 AM	311	0.0	38	0.0	1500	311	0	38	0.45	0	65.8	63.2	44.2	39.2	39.2
2-3 AM	327	0.0	40	0.0	1500	327	0	40	0.45	0	65.8	63.2	44.2	39.2	39.2
3-4 AM	378	0.0	46	0.0	1500	378	0	46	0.46	0	65.7	63.0	44.0	39.2	39.2
4-5 AM	469	0.0	57	0.0	1500	469	0	57	0.47	0	65.5	62.8	43.6	39.1	39.1
5-6 AM	616	0.0	74	0.0	OFF	616	0	74	0.00	0	65.3	65.3	65.3	38.8	38.8
6-7 AM	901	0.0	109	0.0	OFF	901	0	109	0.00	0	64.7	64.7	64.7	38.4	38.4
7-8 AM	1215	0.0	147	0.0	OFF	1215	0	147	0.00	0	64.1	64.1	64.1	37.9	37.9
8-9 AM	1293	0.0	156	0.0	OFF	1293	0	156	0.00	0	64.0	64.0	64.0	37.8	37.8
9-10 AM	1428	0.0	173	0.0	OFF	1428	0	173	0.00	0	63.7	63.7	63.7	37.6	37.6
10-11 AM	1576	0.0	190	0.0	OFF	1576	0	190	0.00	0	63.5	63.5	63.5	37.4	37.4
11A-NOON	1716	0.0	208	0.0	OFF	1716	0	208	0.00	0	63.2	63.2	63.2	37.1	37.1
NOON-1PM	1763	0.0	213	0.0	OFF	1763	0	213	0.00	0	63.1	63.1	63.1	37.1	37.1
1-2 PM	1833	0.0	222	0.0	OFF	1833	0	222	0.00	0	63.0	63.0	63.0	37.0	37.0
2-3 PM	1979	0.0	240	0.0	OFF	1979	0	240	0.00	0	62.7	62.7	62.7	36.8	36.8
3-4 PM	2131	0.0	257	0.0	OFF	2131	0	257	0.00	0	62.4	62.4	62.4	36.6	36.6
4-5 PM	2166	0.0	262	0.0	OFF	2166	0	262	0.00	0	62.3	62.3	62.3	36.5	36.5
5-6 PM	2001	0.0	242	0.0	OFF	2001	0	242	0.00	0	62.7	62.7	62.7	36.8	36.8
6-7 PM	1544	0.0	187	0.0	OFF	1544	0	187	0.00	0	63.5	63.5	63.5	37.4	37.4
7-8 PM	1253	0.0	151	0.0	1500	1253	0	151	0.70	0	64.0	60.3	36.8	37.9	37.9
8-9 PM	1091	0.0	132	0.0	1500	1091	0	132	0.53	0	64.3	61.5	41.4	38.1	38.1
9-10 PM	907	0.0	109	0.0	1500	907	0	109	0.51	0	64.7	61.9	42.0	38.4	38.4
10-11 PM	695	0.0	83	0.0	1500	695	0	83	0.49	0	65.1	62.3	42.8	38.7	38.7
11PM-MID	467	0.0	57	0.0	1500	467	0	57	0.47	0	65.5	62.8	43.7	39.1	39.1

"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	0.0543
MAIN ROUTE WITH WORKS	0.0539
DIVERSION	0.0570

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$682
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES)**  
**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: USH 14 - USH 51**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR EASTBOUND DIRECTION**

