

<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>OCTOBER</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	251	0.0	31	0.0	1500	251	0	31	0.45	0	65.9	63.3	44.5	39.4	39.4
1-2 AM	182	0.0	22	0.0	1500	182	0	22	0.44	0	66.1	63.5	44.8	39.5	39.5
2-3 AM	142	0.0	17	0.0	1500	142	0	17	0.44	0	66.1	63.6	44.9	39.6	39.6
3-4 AM	112	0.0	13	0.0	1500	112	0	13	0.43	0	66.2	63.7	45.0	39.6	39.6
4-5 AM	145	0.0	17	0.0	1500	145	0	17	0.44	0	66.1	63.6	44.9	39.6	39.6
5-6 AM	222	0.0	27	0.0	1500	222	0	27	0.44	0	66.0	63.4	44.6	39.4	39.4
6-7 AM	344	0.0	41	0.0	1500	344	0	41	0.46	0	65.8	63.1	44.1	39.2	39.2
7-8 AM	507	0.0	62	0.0	1500	507	0	62	0.47	0	65.5	62.7	43.5	39.0	39.0
8-9 AM	782	0.0	95	0.0	1500	782	0	95	0.50	0	65.0	62.2	42.5	38.6	38.6
9-10 AM	1130	0.0	137	0.0	OFF	1130	0	137	0.00	0	64.3	64.3	64.3	38.1	38.1
10-11 AM	1478	0.0	179	0.0	OFF	1478	0	179	0.00	0	63.7	63.7	63.7	37.5	37.5
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	1821	0.0	220	0.0	OFF	1821	0	220	0.00	0	63.0	63.0	63.0	37.0	37.0
1-2 PM	1773	0.0	214	0.0	OFF	1773	0	214	0.00	0	63.1	63.1	63.1	37.1	37.1
2-3 PM	1816	0.0	219	0.0	OFF	1816	0	219	0.00	0	63.0	63.0	63.0	37.0	37.0
3-4 PM	1807	0.0	218	0.0	OFF	1807	0	218	0.00	0	63.0	63.0	63.0	37.0	37.0
4-5 PM	1866	0.0	225	0.0	OFF	1866	0	225	0.00	0	62.9	62.9	62.9	36.9	36.9
5-6 PM	1635	0.0	198	0.0	OFF	1635	0	198	0.00	0	63.3	63.3	63.3	37.3	37.3
6-7 PM	1429	0.0	173	0.0	OFF	1429	0	173	0.00	0	63.7	63.7	63.7	37.6	37.6
7-8 PM	1156	0.0	140	0.0	1500	1156	0	140	0.58	0	64.2	61.0	39.9	38.0	38.0
8-9 PM	938	0.0	113	0.0	1500	938	0	113	0.51	0	64.6	61.8	41.9	38.3	38.3
9-10 PM	772	0.0	94	0.0	1500	772	0	94	0.50	0	65.0	62.2	42.5	38.6	38.6
10-11 PM	488	0.0	59	0.0	1500	488	0	59	0.47	0	65.5	62.8	43.5	39.0	39.0
11PM-MID	383	0.0	46	0.0	1500	383	0	46	0.46	0	65.7	63.0	44.0	39.2	39.2

"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	0.0437
MAIN ROUTE WITH WORKS	0.0433
DIVERSION	0.0459

PIA: Personal Injury Accidents

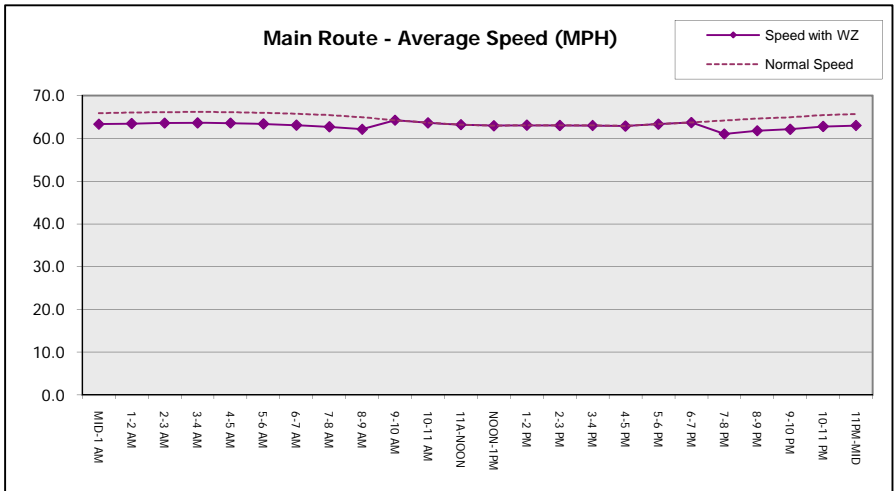
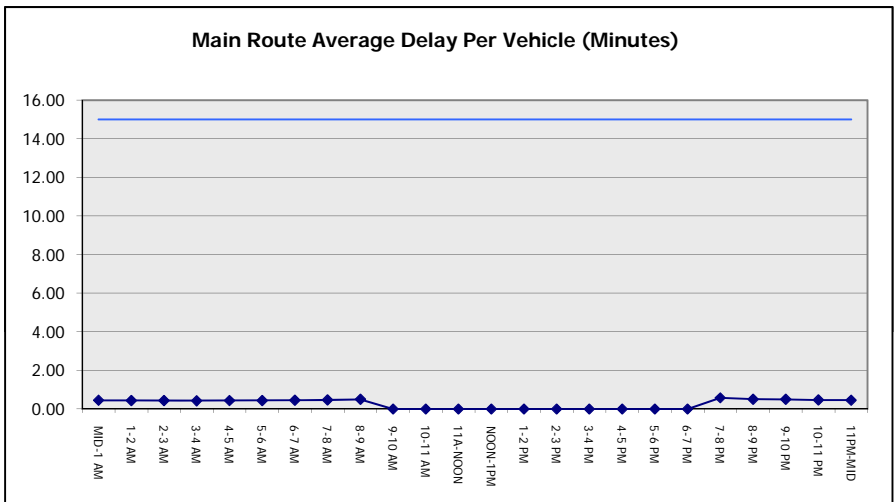
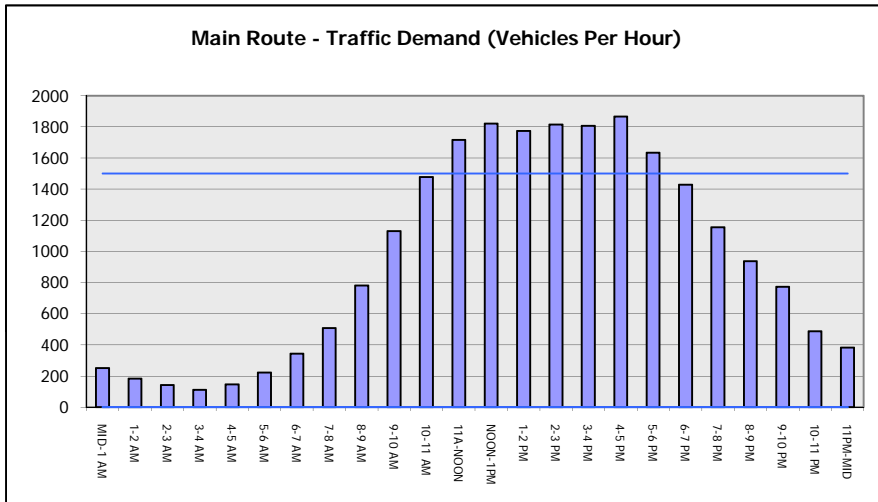
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$755
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY 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>OCTOBER</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	289	0.0	35	0.0	1500	289	0	35	0.45	0	65.8	63.2	44.3	39.3	39.3
1-2 AM	222	0.0	27	0.0	1500	222	0	27	0.44	0	66.0	63.4	44.6	39.4	39.4
2-3 AM	180	0.0	22	0.0	1500	180	0	22	0.44	0	66.1	63.5	44.8	39.5	39.5
3-4 AM	151	0.0	19	0.0	1500	151	0	19	0.44	0	66.1	63.5	44.9	39.5	39.5
4-5 AM	153	0.0	19	0.0	1500	153	0	19	0.44	0	66.1	63.5	44.9	39.5	39.5
5-6 AM	191	0.0	24	0.0	1500	191	0	24	0.44	0	66.0	63.5	44.7	39.4	39.4
6-7 AM	318	0.0	38	0.0	1500	318	0	38	0.45	0	65.8	63.2	44.2	39.2	39.2
7-8 AM	529	0.0	64	0.0	1500	529	0	64	0.47	0	65.4	62.7	43.4	38.9	38.9
8-9 AM	901	0.0	109	0.0	1500	901	0	109	0.51	0	64.7	61.9	42.0	38.4	38.4
9-10 AM	1371	0.0	166	0.0	OFF	1371	0	166	0.00	0	63.8	63.8	63.8	37.7	37.7
10-11 AM	1866	0.0	225	0.0	OFF	1866	0	225	0.00	0	62.9	62.9	62.9	36.9	36.9
11A-NOON	2249	0.0	272	0.0	OFF	2249	0	272	0.00	0	62.2	62.2	62.2	36.4	36.4
NOON-1PM	2555	0.0	309	0.0	OFF	2555	0	309	0.00	0	60.3	60.3	60.3	35.9	35.9
1-2 PM	2620	0.0	317	0.0	OFF	2620	0	317	0.00	0	59.7	59.7	59.7	35.8	35.8
2-3 PM	2757	0.0	333	0.0	OFF	2757	0	333	0.00	0	58.2	58.2	58.2	35.6	35.6
3-4 PM	2784	0.0	337	0.0	OFF	2784	0	337	0.00	0	58.0	58.0	58.0	35.6	35.6
4-5 PM	2714	0.0	328	0.0	OFF	2714	0	328	0.00	0	58.7	58.7	58.7	35.6	35.6
5-6 PM	2315	0.0	280	0.0	OFF	2315	0	280	0.00	0	62.1	62.1	62.1	36.3	36.3
6-7 PM	2047	0.0	248	0.0	OFF	2047	0	248	0.00	0	62.6	62.6	62.6	36.6	36.6
7-8 PM	1564	0.0	189	0.0	1499	1564	0	189	3.20	59	63.5	49.5	30.8	37.4	37.4
8-9 PM	1157	0.0	140	0.0	1500	1157	0	140	0.91	8	64.2	59.4	38.8	38.0	38.0
9-10 PM	778	0.0	95	0.0	1500	778	0	95	0.50	0	65.0	62.2	42.5	38.6	38.6
10-11 PM	530	0.0	64	0.0	1500	530	0	64	0.47	0	65.4	62.7	43.4	38.9	38.9
11PM-MID	383	0.0	46	0.0	1500	383	0	46	0.46	0	65.7	63.0	44.0	39.2	39.2

"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	0.0585
MAIN ROUTE WITH WORKS	0.0580
DIVERSION	0.0614

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,952
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**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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

