

<b>IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>DIVERSION ROUTE: USH 14 - USH 51</b>	<b>AUGUST</b>
	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	480	0.0	58	0.0	OFF	480	0	58	0.00	0	65.5	65.5	65.5	39.0	39.0
1-2 AM	374	0.0	45	0.0	OFF	374	0	45	0.00	0	65.7	65.7	65.7	39.2	39.2
2-3 AM	362	0.0	44	0.0	OFF	362	0	44	0.00	0	65.7	65.7	65.7	39.2	39.2
3-4 AM	305	0.0	37	0.0	OFF	305	0	37	0.00	0	65.8	65.8	65.8	39.3	39.3
4-5 AM	341	0.0	41	0.0	OFF	341	0	41	0.00	0	65.8	65.8	65.8	39.2	39.2
5-6 AM	535	0.0	65	0.0	OFF	535	0	65	0.00	0	65.4	65.4	65.4	38.9	38.9
6-7 AM	859	0.0	104	0.0	OFF	859	0	104	0.00	0	64.8	64.8	64.8	38.4	38.4
7-8 AM	1317	0.0	160	0.0	OFF	1317	0	160	0.00	0	64.0	64.0	64.0	37.8	37.8
8-9 AM	1795	0.0	217	0.0	1499	1795	0	217	4.87	118	63.0	44.2	30.8	37.1	37.1
9-10 AM	2257	0.0	273	0.0	1499	1729	529	802	16.81	436	62.2	25.3	30.8	36.3	29.8
10-11 AM	2518	0.0	305	0.0	1499	1611	906	1211+	22.37	591	60.7	21.1	30.8	36.0	24.7
11A-NOON	2423	0.0	293	0.0	1499	1453	970	1263+	23.48	615	61.7	20.5	30.8	36.1	24.0
NOON-1PM	2210	0.0	268	0.0	1499	1399	811	1079	20.54	534	62.3	22.4	30.8	36.4	26.3
1-2 PM	2004	0.0	243	0.0	1500	1421	584	827	17.20	441	62.7	25.1	30.8	36.7	29.5
2-3 PM	1847	0.0	223	0.0	1500	1450	397	620	14.95	379	63.0	27.3	30.8	36.9	32.0
3-4 PM	1711	0.0	207	0.0	1500	1461	250	456	13.43	336	63.2	29.0	30.8	37.2	34.1
4-5 PM	1543	0.0	186	0.0	1499	1458	85	271	11.91	294	63.5	30.9	30.8	37.4	36.4
5-6 PM	1394	0.0	169	0.0	1499	1394	0	169	9.66	234	63.8	34.3	30.8	37.6	37.6
6-7 PM	1228	0.0	148	0.0	OFF	1228	0	148	0.14	5	64.1	63.3	63.3	37.9	37.9
7-8 PM	1041	0.0	126	0.0	OFF	1041	0	126	0.00	0	64.5	64.5	64.5	38.2	38.2
8-9 PM	970	0.0	117	0.0	OFF	970	0	117	0.00	0	64.6	64.6	64.6	38.3	38.3
9-10 PM	793	0.0	96	0.0	OFF	793	0	96	0.00	0	64.9	64.9	64.9	38.6	38.6
10-11 PM	583	0.0	71	0.0	OFF	583	0	71	0.00	0	65.3	65.3	65.3	38.9	38.9
11PM-MID	453	0.0	55	0.0	OFF	453	0	55	0.00	0	65.5	65.5	65.5	39.1	39.1

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

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.0560
MAIN ROUTE WITH WORKS	0.0464
DIVERSION	0.1338

PIA: Personal Injury Accidents

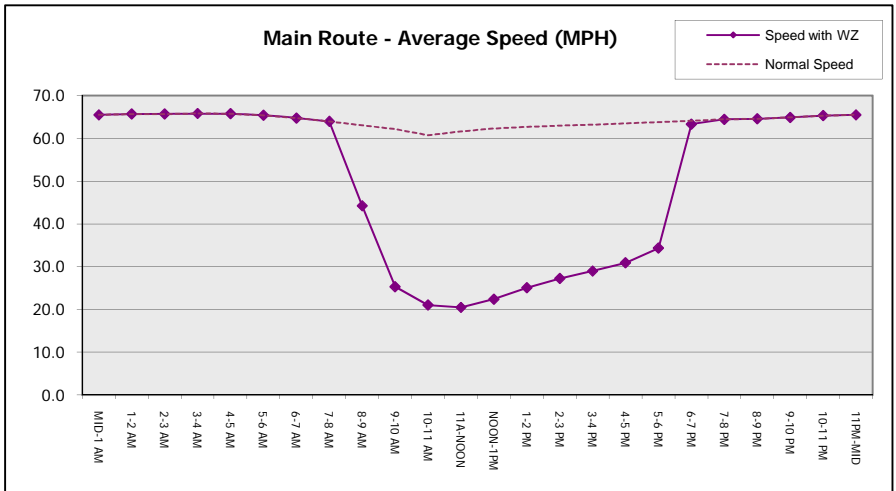
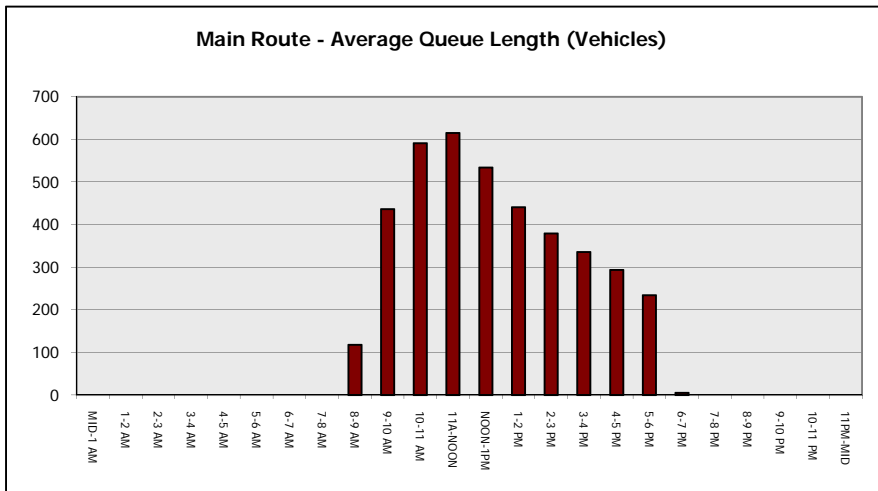
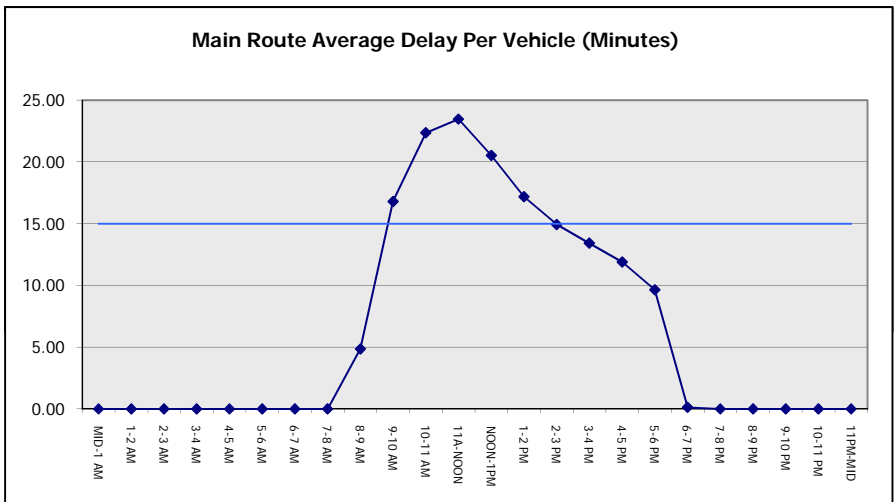
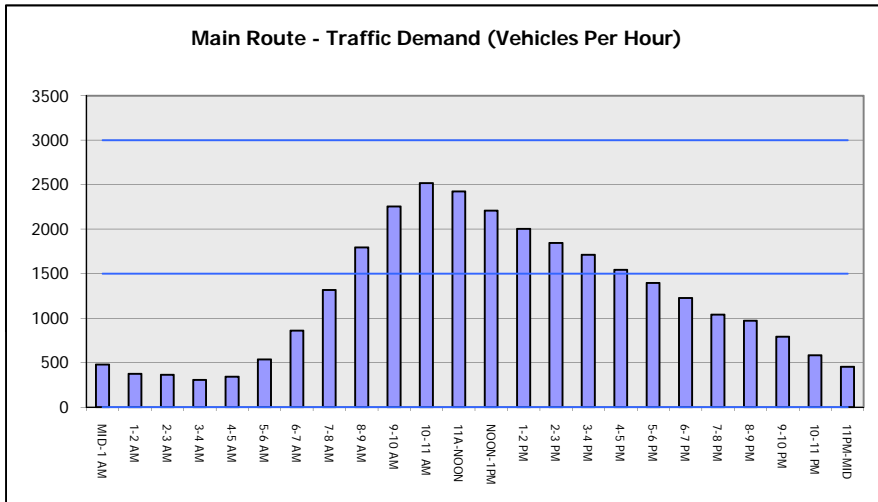
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$95,448
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding 15 Minutes

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

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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



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

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
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		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	499	0.0	61	0.0	OFF	499	0	61	0.00	0	65.5	65.5	65.5	39.0	39.0
1-2 AM	344	0.0	41	0.0	OFF	344	0	41	0.00	0	65.8	65.8	65.8	39.2	39.2
2-3 AM	328	0.0	40	0.0	OFF	328	0	40	0.00	0	65.8	65.8	65.8	39.2	39.2
3-4 AM	315	0.0	38	0.0	OFF	315	0	38	0.00	0	65.8	65.8	65.8	39.2	39.2
4-5 AM	334	0.0	40	0.0	OFF	334	0	40	0.00	0	65.8	65.8	65.8	39.2	39.2
5-6 AM	343	0.0	41	0.0	OFF	343	0	41	0.00	0	65.8	65.8	65.8	39.2	39.2
6-7 AM	521	0.0	63	0.0	OFF	521	0	63	0.00	0	65.4	65.4	65.4	38.9	38.9
7-8 AM	852	0.0	103	0.0	OFF	852	0	103	0.00	0	64.8	64.8	64.8	38.4	38.4
8-9 AM	1188	0.0	144	0.0	1499	1188	0	144	0.63	0	64.1	60.7	38.8	37.9	37.9
9-10 AM	1545	0.0	187	0.0	1499	1545	0	187	1.59	17	63.5	55.7	31.3	37.4	37.4
10-11 AM	1952	0.0	236	0.0	1500	1830	122	358	9.77	254	62.7	33.9	30.8	36.8	35.3
11A-NOON	2162	0.0	261	0.0	1499	1583	579	840	17.31	445	62.3	25.0	30.8	36.5	29.3
NOON-1PM	2382	0.0	288	0.0	1500	1588	793	1082	20.52	534	62.0	22.4	30.8	36.1	26.3
1-2 PM	2412	0.0	292	0.0	1499	1511	901	1193	22.28	582	61.8	21.2	30.8	36.1	24.9
2-3 PM	2274	0.0	275	0.0	1499	1439	835	1109	20.98	545	62.2	22.1	30.8	36.3	26.0
3-4 PM	2288	0.0	277	0.0	1500	1499	789	1066	20.31	527	62.1	22.5	30.8	36.3	26.5
4-5 PM	2080	0.0	252	0.0	1499	1417	664	916	18.29	472	62.5	24.2	30.8	36.6	28.4
5-6 PM	1991	0.0	241	0.0	1500	1461	529	770	16.54	423	62.7	25.7	30.8	36.8	30.2
6-7 PM	1634	0.0	198	0.0	OFF	1634	0	198	0.64	33	63.3	60.0	60.0	37.3	37.3
7-8 PM	1375	0.0	167	0.0	OFF	1375	0	167	0.00	0	63.8	63.8	63.8	37.7	37.7
8-9 PM	1219	0.0	147	0.0	OFF	1219	0	147	0.00	0	64.1	64.1	64.1	37.9	37.9
9-10 PM	1035	0.0	126	0.0	OFF	1035	0	126	0.00	0	64.5	64.5	64.5	38.2	38.2
10-11 PM	820	0.0	99	0.0	OFF	820	0	99	0.00	0	64.8	64.8	64.8	38.5	38.5
11PM-MID	579	0.0	70	0.0	OFF	579	0	70	0.00	0	65.3	65.3	65.3	38.9	38.9

"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	0.0582
MAIN ROUTE WITH WORKS	0.0472
DIVERSION	0.1474

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$97,267
CONGESTED HOURS PER DAY*	7

\*Delays Exceeding 15 Minutes

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

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

