

<b>IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES)</b> <b>CONTINUOUS (24 HOUR) 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	1500	898	0	109	0.51	0	64.7	61.9	42.0	38.4	38.4
6-7 AM	1324	0.0	161	0.0	1500	1324	0	161	0.80	0	63.9	59.7	34.8	37.8	37.8
7-8 AM	1450	0.0	176	0.0	1500	1450	0	176	0.96	0	63.7	58.7	31.9	37.6	37.6
8-9 AM	1334	0.0	162	0.0	1500	1334	0	162	0.81	0	63.9	59.6	34.6	37.8	37.8
9-10 AM	1400	0.0	169	0.0	1499	1400	0	169	0.89	0	63.8	59.1	33.0	37.6	37.6
10-11 AM	1588	0.0	192	0.0	1499	1588	0	192	2.31	36	63.4	52.7	30.8	37.4	37.4
11A-NOON	1644	0.0	199	0.0	1500	1644	0	199	6.73	157	63.3	39.8	30.8	37.3	37.3
NOON-1PM	1678	0.0	203	0.0	1499	1586	91	294	11.84	294	63.3	31.0	30.8	37.2	36.1
1-2 PM	1679	0.0	203	0.0	1499	1503	176	379	12.75	317	63.3	29.8	30.8	37.2	35.0
2-3 PM	1792	0.0	216	0.0	1500	1530	262	478	13.60	341	63.0	28.8	30.8	37.1	33.8
3-4 PM	1789	0.0	216	0.0	1499	1495	294	510	13.90	349	63.0	28.4	30.8	37.1	33.4
4-5 PM	1728	0.0	209	0.0	1500	1478	251	460	13.45	337	63.2	28.9	30.8	37.1	34.0
5-6 PM	1507	0.0	182	0.0	1499	1432	75	257	11.70	288	63.6	31.2	30.8	37.5	36.6
6-7 PM	1212	0.0	146	0.0	1499	1212	0	146	5.04	127	64.1	44.3	34.0	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

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0471
DIVERSION	0.0725

PIA: Personal Injury Accidents

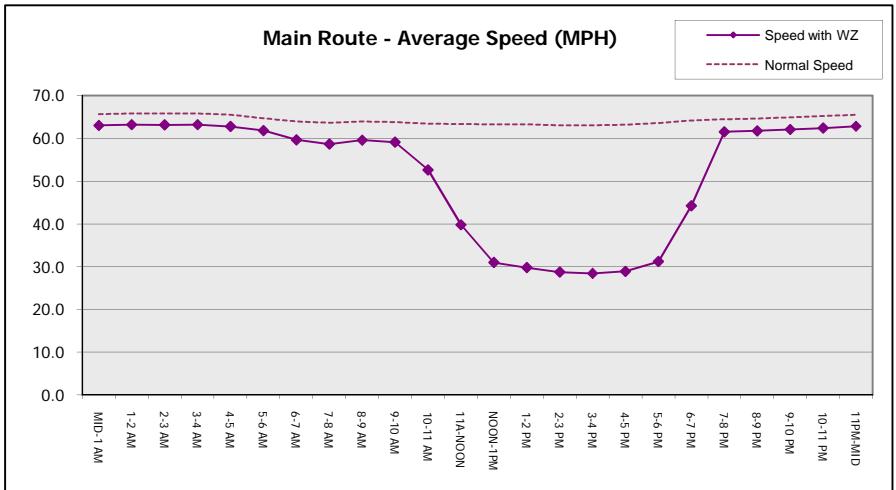
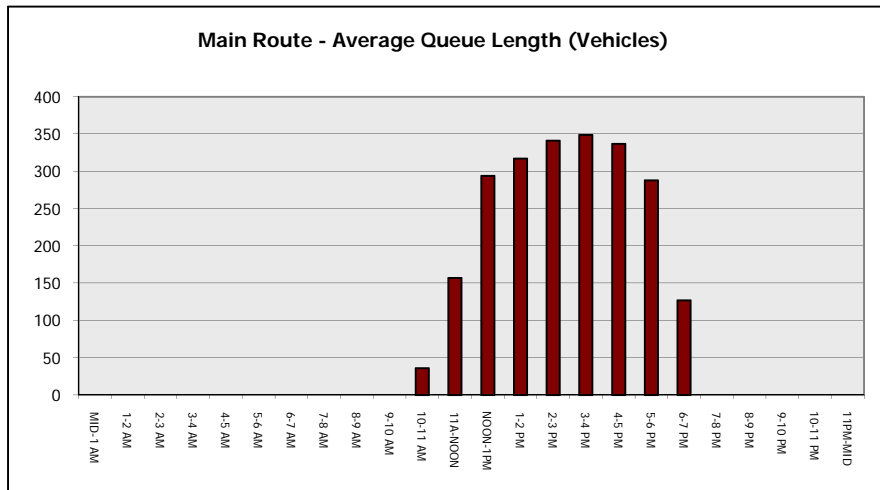
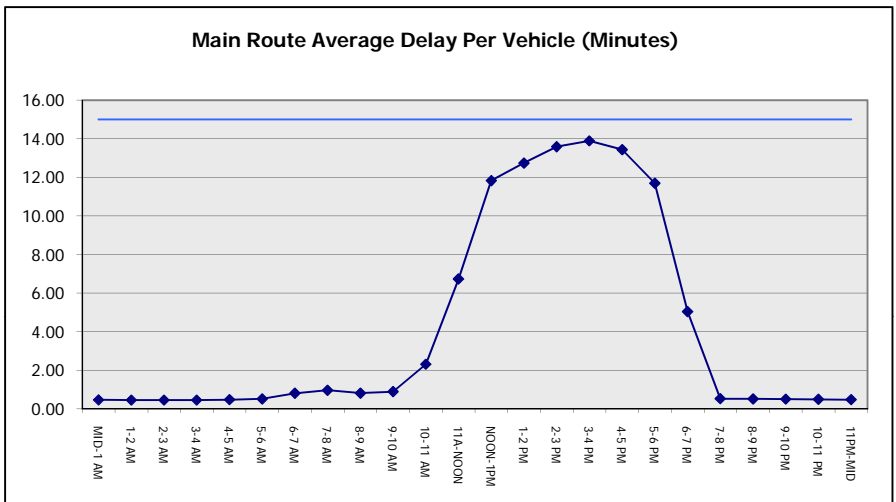
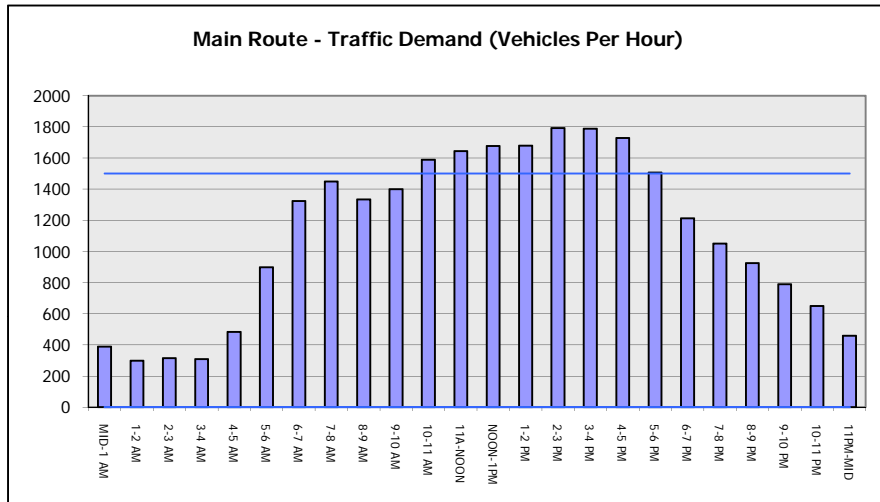
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$37,002
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90: STH 73 TO USH 14 (ROCK AND DANE COUNTIES)  
 CONTINUOUS (24 HOUR) 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)</b> <b>CONTINUOUS (24 HOUR) 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                      EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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	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	1500	616	0	74	0.48	0	65.3	62.5	43.1	38.8	38.8
6-7 AM	901	0.0	109	0.0	1500	901	0	109	0.51	0	64.7	61.9	42.0	38.4	38.4
7-8 AM	1215	0.0	147	0.0	1500	1215	0	147	0.66	0	64.1	60.6	38.0	37.9	37.9
8-9 AM	1293	0.0	156	0.0	1500	1293	0	156	0.76	0	64.0	59.9	35.7	37.8	37.8
9-10 AM	1428	0.0	173	0.0	1499	1428	0	173	0.93	0	63.7	58.9	32.4	37.6	37.6
10-11 AM	1576	0.0	190	0.0	1499	1576	0	190	2.05	29	63.5	53.7	30.8	37.4	37.4
11A-NOON	1716	0.0	208	0.0	1500	1716	0	208	7.35	178	63.2	38.4	30.8	37.1	37.1
NOON-1PM	1763	0.0	213	0.0	1499	1552	211	424	13.12	328	63.1	29.3	30.8	37.1	34.5
1-2 PM	1833	0.0	222	0.0	1499	1523	310	532	14.09	355	63.0	28.2	30.8	37.0	33.2
2-3 PM	1979	0.0	240	0.0	1500	1548	432	672	15.45	393	62.7	26.7	30.8	36.8	31.4
3-4 PM	2131	0.0	257	0.0	1500	1550	581	838	17.29	444	62.4	25.0	30.8	36.6	29.3
4-5 PM	2166	0.0	262	0.0	1499	1506	660	922	18.34	473	62.3	24.1	30.8	36.5	28.3
5-6 PM	2001	0.0	242	0.0	1499	1428	574	815	17.06	438	62.7	25.2	30.8	36.8	29.6
6-7 PM	1544	0.0	187	0.0	1499	1369	175	363	12.66	316	63.5	30.0	30.8	37.4	35.2
7-8 PM	1253	0.0	151	0.0	1499	1253	0	151	6.42	158	64.0	40.7	32.6	37.9	37.9
8-9 PM	1091	0.0	132	0.0	1500	1091	0	132	0.56	0	64.3	61.3	41.0	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

*----- 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	0.0470
DIVERSION	0.1057

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$55,431
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding 15 Minutes

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**CONTINUOUS (24 HOUR) 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**

