

<b>IH 39/90: USH 14 TO STH 11 (ROCK COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>DIVERSION ROUTE: STH 11 - USH 14</b>	<b>OCTOBER</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	455	0.0	73	0.0	1500	455	0	73	0.47	0	65.5	56.3	43.7	38.8	38.8
1-2 AM	372	0.0	60	0.0	1500	372	0	60	0.46	0	65.7	56.5	44.0	39.0	39.0
2-3 AM	401	0.0	65	0.0	1500	401	0	65	0.46	0	65.6	56.4	43.9	38.9	38.9
3-4 AM	367	0.0	60	0.0	1500	367	0	60	0.46	0	65.7	56.6	44.0	39.0	39.0
4-5 AM	505	0.0	81	0.0	1500	505	0	81	0.47	0	65.5	56.1	43.5	38.8	38.8
5-6 AM	942	0.0	152	0.0	OFF	942	0	152	0.00	0	64.6	64.6	64.6	37.9	37.9
6-7 AM	1549	0.0	250	0.0	OFF	1549	0	250	0.00	0	63.5	63.5	63.5	36.6	36.6
7-8 AM	1727	0.0	279	0.0	OFF	1727	0	279	0.00	0	63.2	63.2	63.2	36.3	36.3
8-9 AM	1642	0.0	266	0.0	OFF	1642	0	266	0.00	0	63.3	63.3	63.3	36.5	36.5
9-10 AM	1765	0.0	285	0.0	OFF	1765	0	285	0.00	0	63.1	63.1	63.1	36.2	36.2
10-11 AM	2024	0.0	327	0.0	OFF	2024	0	327	0.00	0	62.6	62.6	62.6	35.7	35.7
11A-NOON	2219	0.0	359	0.0	OFF	2219	0	359	0.00	0	62.2	62.2	62.2	35.3	35.3
NOON-1PM	2273	0.0	368	0.0	OFF	2273	0	368	0.00	0	62.2	62.2	62.2	35.1	35.1
1-2 PM	2385	0.0	386	0.0	OFF	2385	0	386	0.00	0	61.9	61.9	61.9	35.0	35.0
2-3 PM	2530	0.0	409	0.0	OFF	2530	0	409	0.00	0	60.6	60.6	60.6	34.7	34.7
3-4 PM	2765	0.0	447	0.0	OFF	2765	0	447	0.00	0	58.2	58.2	58.2	34.2	34.2
4-5 PM	2904	0.0	469	0.0	OFF	2904	0	469	0.00	0	56.8	56.8	56.8	33.9	33.9
5-6 PM	2885	0.0	466	0.0	OFF	2885	0	466	0.00	0	56.9	56.9	56.9	34.0	34.0
6-7 PM	2504	0.0	405	0.0	OFF	2504	0	405	0.00	0	60.9	60.9	60.9	34.7	34.7
7-8 PM	2248	0.0	363	0.0	1499	1796	452	815	10.39	266	62.2	14.0	30.8	35.2	29.6
8-9 PM	1965	0.0	318	0.0	1500	1436	529	847	10.58	259	62.7	13.7	30.8	35.8	29.2
9-10 PM	1457	0.0	236	0.0	1500	1378	79	314	7.45	176	63.7	17.9	30.8	36.8	35.8
10-11 PM	1018	0.0	165	0.0	1500	1018	0	165	0.94	16	64.5	48.6	40.6	37.7	37.7
11PM-MID	609	0.0	99	0.0	1500	609	0	99	0.48	0	65.3	55.8	43.1	38.5	38.5

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

*----- 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	0.0195
MAIN ROUTE WITH WORKS	0.0184
DIVERSION	0.0577

PIA: Personal Injury Accidents

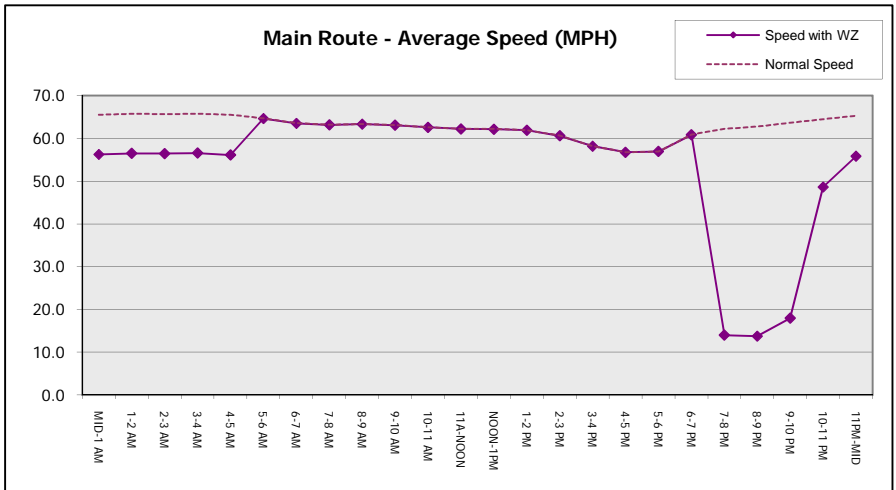
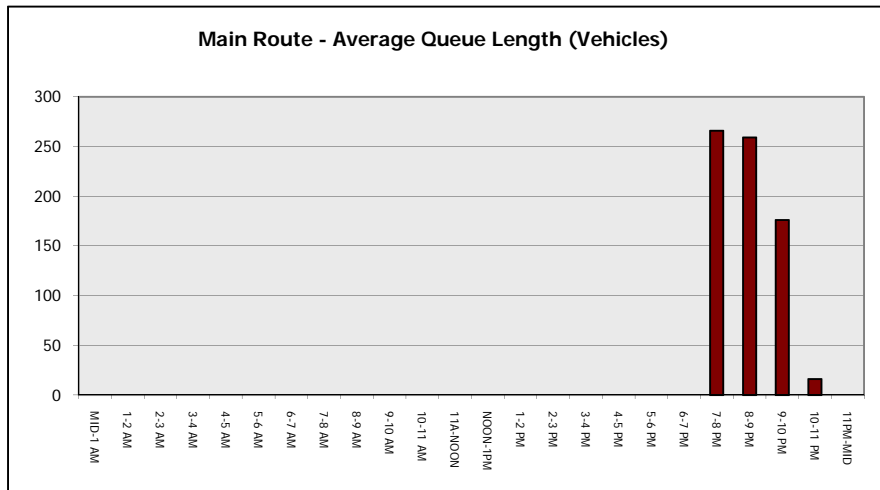
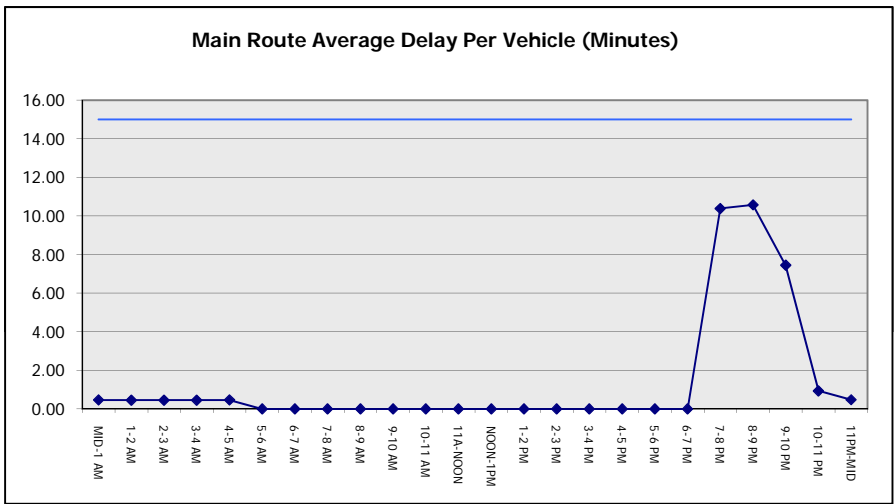
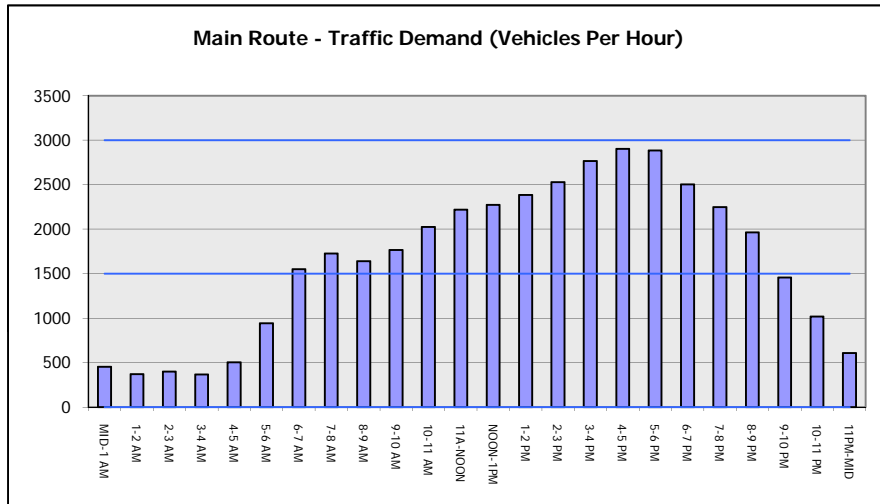
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$14,806
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90: USH 14 TO STH 11 (ROCK COUNTY)  
NIGHTTIME CLOSURE  
DIVERSION ROUTE: STH 11 - USH 14**

**OCTOBER**  
Analyzed for 2009  
Construction Season

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



<b>IH 39/90: USH 14 TO STH 11 (ROCK COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 11 - USH 14</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
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	399	0.0	65	0.0	1500	399	0	65	0.46	0	65.6	56.4	43.9	38.9	38.9
1-2 AM	344	0.0	56	0.0	1500	344	0	56	0.46	0	65.8	56.6	44.1	39.1	39.1
2-3 AM	336	0.0	55	0.0	1500	336	0	55	0.46	0	65.8	56.6	44.2	39.1	39.1
3-4 AM	407	0.0	66	0.0	1500	407	0	66	0.46	0	65.6	56.4	43.8	38.9	38.9
4-5 AM	469	0.0	76	0.0	1500	469	0	76	0.47	0	65.5	56.3	43.6	38.8	38.8
5-6 AM	581	0.0	94	0.0	OFF	581	0	94	0.00	0	65.3	65.3	65.3	38.6	38.6
6-7 AM	917	0.0	148	0.0	OFF	917	0	148	0.00	0	64.6	64.6	64.6	37.9	37.9
7-8 AM	1268	0.0	205	0.0	OFF	1268	0	205	0.00	0	64.0	64.0	64.0	37.2	37.2
8-9 AM	1432	0.0	232	0.0	OFF	1432	0	232	0.00	0	63.7	63.7	63.7	36.9	36.9
9-10 AM	1578	0.0	255	0.0	OFF	1578	0	255	0.00	0	63.5	63.5	63.5	36.6	36.6
10-11 AM	1705	0.0	276	0.0	OFF	1705	0	276	0.00	0	63.2	63.2	63.2	36.3	36.3
11A-NOON	1868	0.0	302	0.0	OFF	1868	0	302	0.00	0	62.9	62.9	62.9	36.0	36.0
NOON-1PM	2064	0.0	334	0.0	OFF	2064	0	334	0.00	0	62.5	62.5	62.5	35.6	35.6
1-2 PM	2233	0.0	361	0.0	OFF	2233	0	361	0.00	0	62.2	62.2	62.2	35.3	35.3
2-3 PM	2365	0.0	382	0.0	OFF	2365	0	382	0.00	0	62.0	62.0	62.0	35.0	35.0
3-4 PM	2555	0.0	413	0.0	OFF	2555	0	413	0.00	0	60.3	60.3	60.3	34.6	34.6
4-5 PM	2681	0.0	433	0.0	OFF	2681	0	433	0.00	0	59.1	59.1	59.1	34.3	34.3
5-6 PM	2553	0.0	413	0.0	OFF	2553	0	413	0.00	0	60.4	60.4	60.4	34.6	34.6
6-7 PM	2040	0.0	330	0.0	OFF	2040	0	330	0.00	0	62.6	62.6	62.6	35.6	35.6
7-8 PM	1617	0.0	262	0.0	1499	1617	0	262	3.95	83	63.3	27.0	30.8	36.5	36.5
8-9 PM	1238	0.0	201	0.0	1499	1238	0	201	1.62	34	64.1	41.0	36.0	37.3	37.3
9-10 PM	1098	0.0	178	0.0	1500	1098	0	178	0.53	0	64.3	54.4	41.4	37.5	37.5
10-11 PM	883	0.0	143	0.0	1500	883	0	143	0.51	0	64.8	55.0	42.1	37.9	37.9
11PM-MID	612	0.0	99	0.0	1500	612	0	99	0.48	0	65.3	55.8	43.1	38.5	38.5

"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	0.0164
MAIN ROUTE WITH WORKS	0.0159
DIVERSION	0.0417

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,748
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90: USH 14 TO STH 11 (ROCK COUNTY)  
NIGHTTIME CLOSURE  
DIVERSION ROUTE: STH 11 - USH 14**

**OCTOBER**  
Analyzed for 2009  
Construction Season

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

