

<b>IH 39/90: USH 14 TO STH 11 (ROCK COUNTY)</b> <b>OFF-PEAK DAY 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	OFF	455	0	73	0.00	0	65.5	65.5	65.5	38.8	38.8
1-2 AM	372	0.0	60	0.0	OFF	372	0	60	0.00	0	65.7	65.7	65.7	39.0	39.0
2-3 AM	401	0.0	65	0.0	OFF	401	0	65	0.00	0	65.6	65.6	65.6	38.9	38.9
3-4 AM	367	0.0	60	0.0	OFF	367	0	60	0.00	0	65.7	65.7	65.7	39.0	39.0
4-5 AM	505	0.0	81	0.0	OFF	505	0	81	0.00	0	65.5	65.5	65.5	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	1499	1753	13	298	4.69	118	63.1	24.3	30.8	36.2	36.0
10-11 AM	2024	0.0	327	0.0	1499	1517	506	834	10.50	256	62.6	13.8	30.8	35.7	29.4
11A-NOON	2219	0.0	359	0.0	1500	1535	684	1044	11.79	292	62.2	12.6	30.8	35.3	26.8
NOON-1PM	2273	0.0	368	0.0	1499	1510	763	1130	12.40	308	62.2	12.0	30.8	35.1	25.7
1-2 PM	2385	0.0	386	0.0	1500	1531	854	1240+	13.26	332	61.9	11.5	30.8	35.0	24.3
2-3 PM	2530	0.0	409	0.0	1500	1548	983	1391+	14.60	370	60.6	10.8	30.8	34.7	22.7
3-4 PM	2765	0.0	447	0.0	1500	1583	1182	1629+	17.14	443	58.2	9.9	30.8	34.2	20.1
4-5 PM	2904	0.0	469	0.0	OFF	2904	0	469	1.86	103	56.8	36.1	36.1	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	OFF	2248	0	363	0.00	0	62.2	62.2	62.2	35.2	35.2
8-9 PM	1965	0.0	318	0.0	OFF	1965	0	318	0.00	0	62.7	62.7	62.7	35.8	35.8
9-10 PM	1457	0.0	236	0.0	OFF	1457	0	236	0.00	0	63.7	63.7	63.7	36.8	36.8
10-11 PM	1018	0.0	165	0.0	OFF	1018	0	165	0.00	0	64.5	64.5	64.5	37.7	37.7
11PM-MID	609	0.0	99	0.0	OFF	609	0	99	0.00	0	65.3	65.3	65.3	38.5	38.5

"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	0.0195
MAIN ROUTE WITH WORKS	0.0163
DIVERSION	0.0882

PIA: Personal Injury Accidents

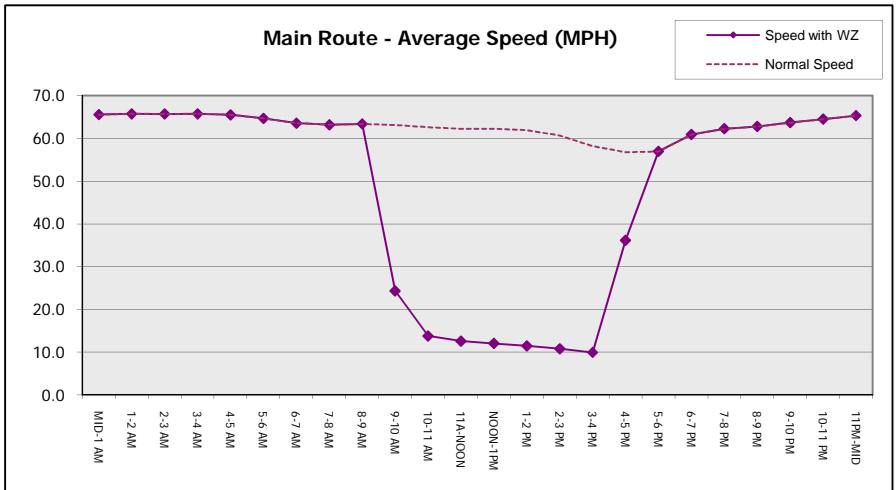
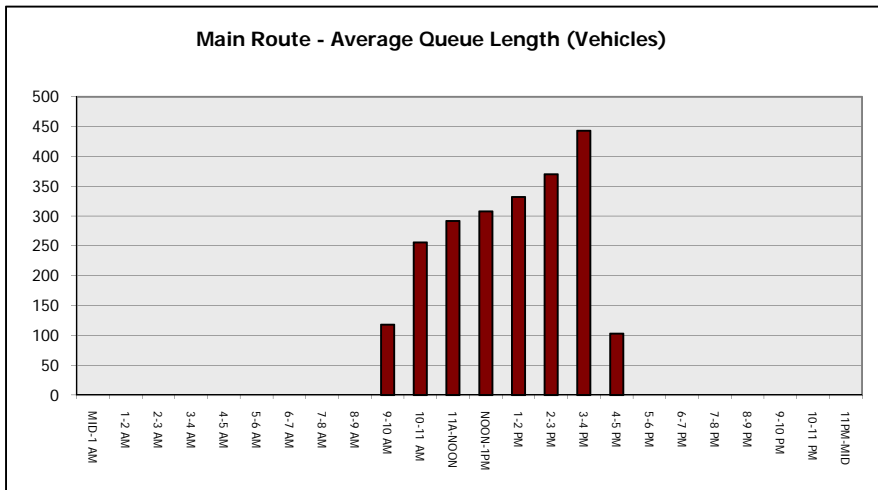
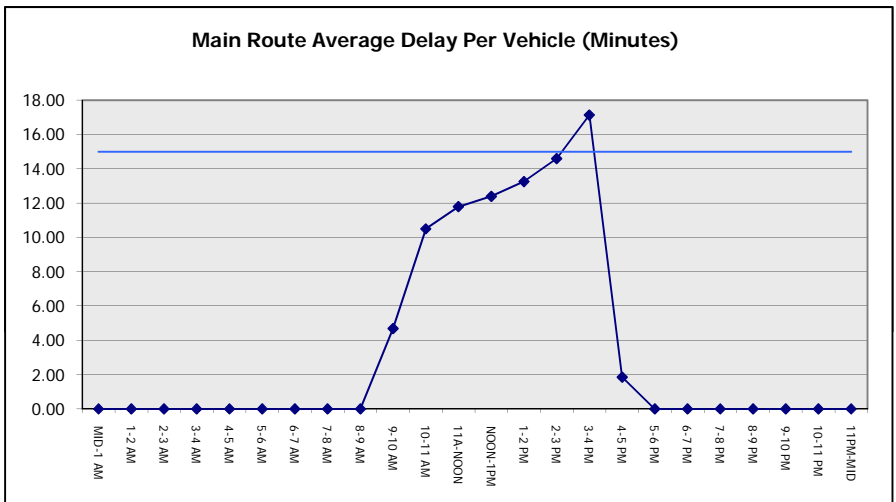
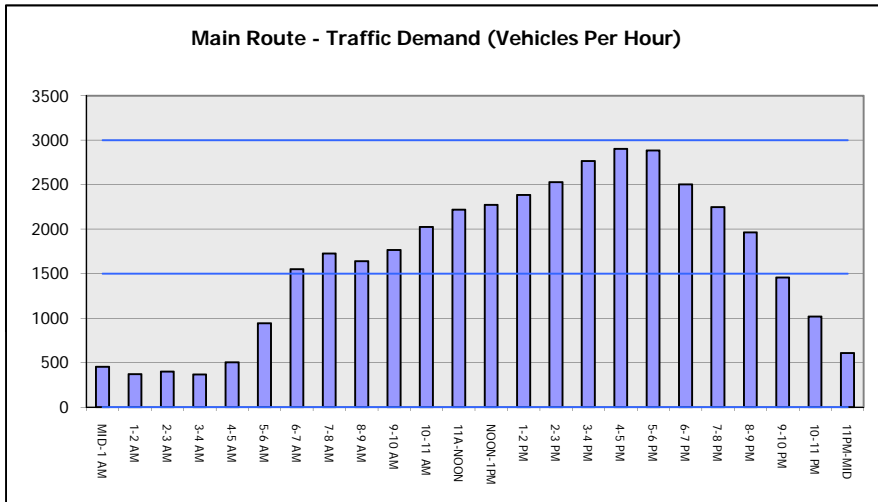
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$52,125
CONGESTED HOURS PER DAY*	1

\*Delays Exceeding 15 Minutes

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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							TOTAL			AVERAGE SPEEDS IN MPH					
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	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	OFF	399	0	65	0.00	0	65.6	65.6	65.6	38.9	38.9	
1-2 AM	344	0.0	56	0.0	OFF	344	0	56	0.00	0	65.8	65.8	65.8	39.1	39.1	
2-3 AM	336	0.0	55	0.0	OFF	336	0	55	0.00	0	65.8	65.8	65.8	39.1	39.1	
3-4 AM	407	0.0	66	0.0	OFF	407	0	66	0.00	0	65.6	65.6	65.6	38.9	38.9	
4-5 AM	469	0.0	76	0.0	OFF	469	0	76	0.00	0	65.5	65.5	65.5	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	1499	1578	0	255	2.05	30	63.5	37.4	30.8	36.6	36.6	
10-11 AM	1705	0.0	276	0.0	1500	1643	62	338	6.68	159	63.2	19.3	30.8	36.3	35.5	
11A-NOON	1868	0.0	302	0.0	1499	1520	349	650	9.54	230	62.9	14.9	30.8	36.0	31.7	
NOON-1PM	2064	0.0	334	0.0	1500	1535	529	863	10.66	261	62.5	13.7	30.8	35.6	29.0	
1-2 PM	2233	0.0	361	0.0	1500	1534	699	1060	11.90	295	62.2	12.5	30.8	35.3	26.6	
2-3 PM	2365	0.0	382	0.0	1499	1533	832	1214+	13.04	326	62.0	11.6	30.8	35.0	24.7	
3-4 PM	2555	0.0	413	0.0	1500	1558	997	1410+	14.78	375	60.3	10.7	30.8	34.6	22.4	
4-5 PM	2681	0.0	433	0.0	OFF	2681	0	433	1.15	60	59.1	43.3	43.3	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	OFF	1617	0	262	0.00	0	63.3	63.3	63.3	36.5	36.5	
8-9 PM	1238	0.0	201	0.0	OFF	1238	0	201	0.00	0	64.1	64.1	64.1	37.3	37.3	
9-10 PM	1098	0.0	178	0.0	OFF	1098	0	178	0.00	0	64.3	64.3	64.3	37.5	37.5	
10-11 PM	883	0.0	143	0.0	OFF	883	0	143	0.00	0	64.8	64.8	64.8	37.9	37.9	
11PM-MID	612	0.0	99	0.0	OFF	612	0	99	0.00	0	65.3	65.3	65.3	38.5	38.5	

"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	0.0164
MAIN ROUTE WITH WORKS	0.0140
DIVERSION	0.0686

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$38,784
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**OFF-PEAK DAY CLOSURE**  
**DIVERSION ROUTE: STH 11 - USH 14**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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

