

<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>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	565	0.0	92	0.0	OFF	565	0	92	0.00	0	65.3	65.3	65.3	38.6	38.6
1-2 AM	441	0.0	71	0.0	OFF	441	0	71	0.00	0	65.6	65.6	65.6	38.9	38.9
2-3 AM	427	0.0	69	0.0	OFF	427	0	69	0.00	0	65.6	65.6	65.6	38.9	38.9
3-4 AM	359	0.0	59	0.0	OFF	359	0	59	0.00	0	65.7	65.7	65.7	39.0	39.0
4-5 AM	401	0.0	65	0.0	OFF	401	0	65	0.00	0	65.6	65.6	65.6	38.9	38.9
5-6 AM	631	0.0	102	0.0	OFF	631	0	102	0.00	0	65.2	65.2	65.2	38.5	38.5
6-7 AM	1013	0.0	164	0.0	OFF	1013	0	164	0.00	0	64.5	64.5	64.5	37.7	37.7
7-8 AM	1552	0.0	251	0.0	OFF	1552	0	251	0.00	0	63.5	63.5	63.5	36.6	36.6
8-9 AM	2117	0.0	343	0.0	1499	1805	312	655	7.63	201	62.4	17.5	30.8	35.5	31.6
9-10 AM	2663	0.0	430	0.0	1500	1650	1013	1443+	15.11	388	59.2	10.6	30.8	34.4	22.0
10-11 AM	2971	0.0	481	0.0	1499	1516	1455	1936+	18.29	477	56.1	9.6	30.8	33.8	19.1
11A-NOON	2858	0.0	462	0.0	1500	1504	1354	1816+	18.30	475	57.2	9.6	30.8	34.0	19.2
NOON-1PM	2606	0.0	422	0.0	1499	1425	1182	1604+	17.04	438	59.8	10.0	30.8	34.5	20.3
1-2 PM	2364	0.0	382	0.0	1500	1423	940	1322+	14.01	353	62.0	11.1	30.8	35.0	23.4
2-3 PM	2178	0.0	352	0.0	1500	1459	719	1071	11.99	297	62.3	12.4	30.8	35.4	26.5
3-4 PM	2018	0.0	326	0.0	1500	1469	549	875	10.73	263	62.6	13.5	30.8	35.7	28.9
4-5 PM	1820	0.0	294	0.0	1500	1468	352	646	9.52	230	63.0	14.9	30.8	36.1	31.7
5-6 PM	1644	0.0	266	0.0	1500	1476	167	433	8.58	204	63.3	16.1	30.8	36.5	34.3
6-7 PM	1448	0.0	235	0.0	OFF	1448	0	235	0.13	7	63.7	61.0	61.0	36.8	36.8
7-8 PM	1227	0.0	199	0.0	OFF	1227	0	199	0.00	0	64.1	64.1	64.1	37.3	37.3
8-9 PM	1144	0.0	185	0.0	OFF	1144	0	185	0.00	0	64.3	64.3	64.3	37.4	37.4
9-10 PM	936	0.0	151	0.0	OFF	936	0	151	0.00	0	64.6	64.6	64.6	37.9	37.9
10-11 PM	688	0.0	111	0.0	OFF	688	0	111	0.00	0	65.1	65.1	65.1	38.4	38.4
11PM-MID	534	0.0	86	0.0	OFF	534	0	86	0.00	0	65.4	65.4	65.4	38.7	38.7

"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	0.0171
MAIN ROUTE WITH WORKS	0.0121
DIVERSION	0.1058

PIA: Personal Injury Accidents

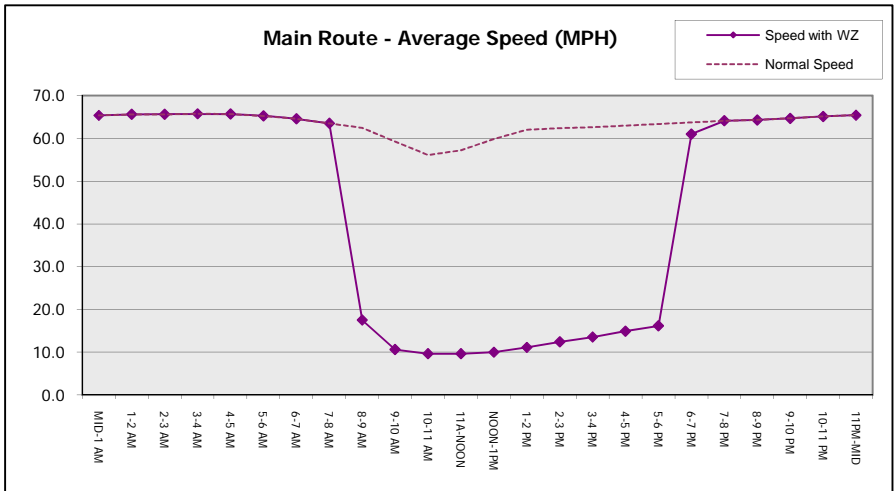
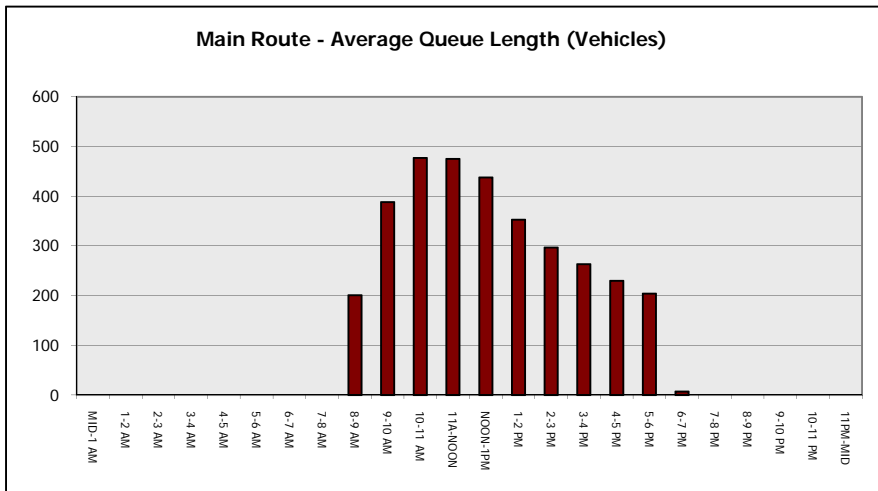
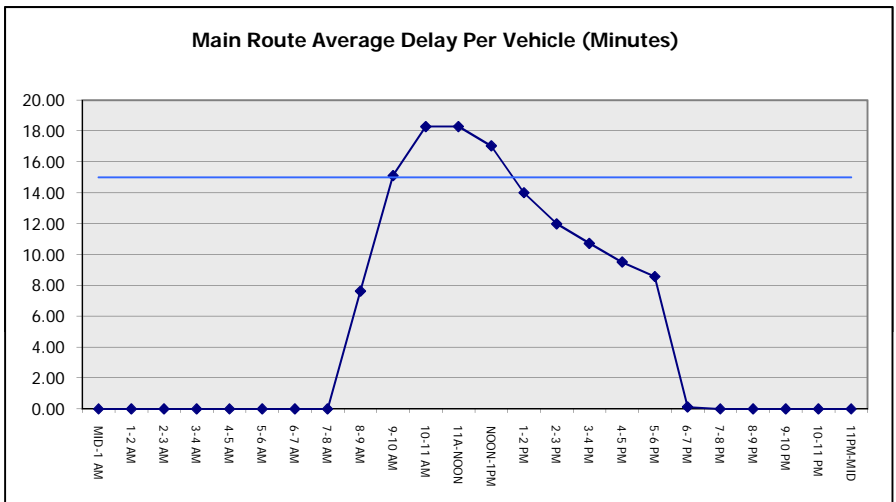
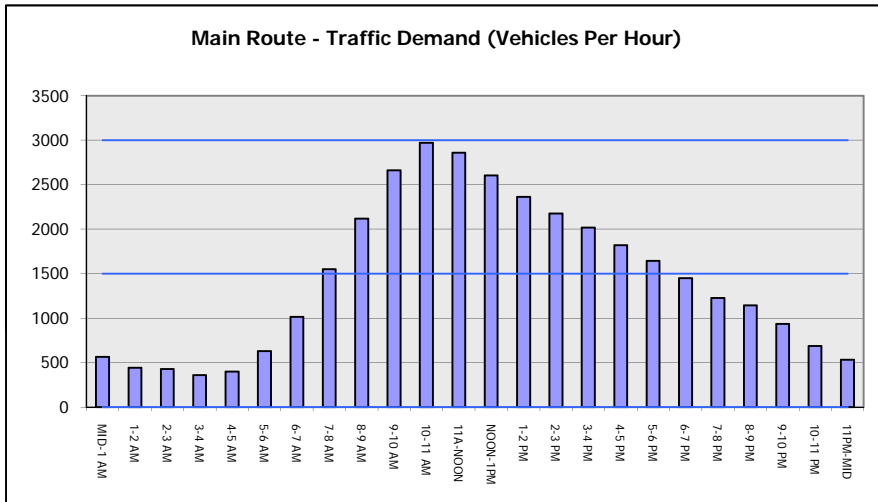
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$103,668
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding 15 Minutes

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

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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



<b>IH 39/90: USH 14 TO STH 11 (ROCK COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 11 - USH 14</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 DIVERTING	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	589	0.0	96	0.0	OFF	589	0	96	0.00	0	65.3	65.3	65.3	38.6	38.6
1-2 AM	406	0.0	66	0.0	OFF	406	0	66	0.00	0	65.6	65.6	65.6	38.9	38.9
2-3 AM	387	0.0	63	0.0	OFF	387	0	63	0.00	0	65.6	65.6	65.6	38.9	38.9
3-4 AM	372	0.0	60	0.0	OFF	372	0	60	0.00	0	65.7	65.7	65.7	39.0	39.0
4-5 AM	393	0.0	64	0.0	OFF	393	0	64	0.00	0	65.6	65.6	65.6	38.9	38.9
5-6 AM	405	0.0	66	0.0	OFF	405	0	66	0.00	0	65.6	65.6	65.6	38.9	38.9
6-7 AM	615	0.0	99	0.0	OFF	615	0	99	0.00	0	65.3	65.3	65.3	38.5	38.5
7-8 AM	1006	0.0	163	0.0	OFF	1006	0	163	0.00	0	64.5	64.5	64.5	37.7	37.7
8-9 AM	1401	0.0	226	0.0	1499	1401	0	226	0.90	0	63.8	48.7	33.2	36.9	36.9
9-10 AM	1822	0.0	294	0.0	1500	1770	52	347	4.76	123	63.0	24.1	30.8	36.1	35.5
10-11 AM	2302	0.0	373	0.0	1499	1566	735	1108	12.24	305	62.1	12.2	30.8	35.1	26.0
11A-NOON	2550	0.0	412	0.0	1499	1567	983	1395+	14.63	371	60.4	10.8	30.8	34.7	22.6
NOON-1PM	2810	0.0	454	0.0	1500	1564	1247	1701+	17.61	456	57.7	9.8	30.8	34.1	19.7
1-2 PM	2845	0.0	460	0.0	1500	1505	1340	1800+	18.30	475	57.4	9.6	30.8	34.0	19.2
2-3 PM	2683	0.0	433	0.0	1500	1466	1217	1650+	17.62	454	59.0	9.9	30.8	34.3	19.7
3-4 PM	2700	0.0	436	0.0	1500	1502	1198	1634+	17.38	448	58.8	9.9	30.8	34.3	19.9
4-5 PM	2454	0.0	397	0.0	1499	1409	1045	1442+	15.18	385	61.4	10.6	30.8	34.8	22.1
5-6 PM	2348	0.0	380	0.0	1500	1464	884	1264+	13.47	337	62.0	11.4	30.8	35.0	24.1
6-7 PM	1927	0.0	312	0.0	OFF	1927	0	312	0.39	23	62.8	55.5	55.5	35.9	35.9
7-8 PM	1622	0.0	263	0.0	OFF	1622	0	263	0.00	0	63.3	63.3	63.3	36.5	36.5
8-9 PM	1438	0.0	233	0.0	OFF	1438	0	233	0.00	0	63.7	63.7	63.7	36.8	36.8
9-10 PM	1220	0.0	198	0.0	OFF	1220	0	198	0.00	0	64.1	64.1	64.1	37.3	37.3
10-11 PM	968	0.0	156	0.0	OFF	968	0	156	0.00	0	64.6	64.6	64.6	37.8	37.8
11PM-MID	682	0.0	110	0.0	OFF	682	0	110	0.00	0	65.1	65.1	65.1	38.4	38.4

"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	0.0177
MAIN ROUTE WITH WORKS	0.0124
DIVERSION	0.1125

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$110,424
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding 15 Minutes

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

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

