

<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**

**SUNDAY 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	296	0.0	48	0.0	OFF	296	0	48	0.00	0	65.8	65.8	65.8	39.1	39.1
1-2 AM	214	0.0	35	0.0	OFF	214	0	35	0.00	0	66.0	66.0	66.0	39.3	39.3
2-3 AM	168	0.0	27	0.0	OFF	168	0	27	0.00	0	66.1	66.1	66.1	39.4	39.4
3-4 AM	133	0.0	22	0.0	OFF	133	0	22	0.00	0	66.1	66.1	66.1	39.5	39.5
4-5 AM	172	0.0	28	0.0	OFF	172	0	28	0.00	0	66.1	66.1	66.1	39.4	39.4
5-6 AM	261	0.0	42	0.0	OFF	261	0	42	0.00	0	65.9	65.9	65.9	39.2	39.2
6-7 AM	406	0.0	66	0.0	OFF	406	0	66	0.00	0	65.6	65.6	65.6	38.9	38.9
7-8 AM	599	0.0	97	0.0	OFF	599	0	97	0.00	0	65.3	65.3	65.3	38.6	38.6
8-9 AM	922	0.0	149	0.0	OFF	922	0	149	0.00	0	64.6	64.6	64.6	37.9	37.9
9-10 AM	1333	0.0	215	0.0	1499	1333	0	215	0.80	0	63.9	50.1	34.8	37.1	37.1
10-11 AM	1744	0.0	282	0.0	1499	1744	0	282	4.03	100	63.2	26.6	30.8	36.3	36.3
11A-NOON	2024	0.0	327	0.0	1499	1525	499	826	10.45	255	62.6	13.8	30.8	35.7	29.5
NOON-1PM	2147	0.0	347	0.0	1499	1516	631	978	11.36	280	62.4	13.0	30.8	35.5	27.6
1-2 PM	2091	0.0	338	0.0	1499	1487	604	941	11.13	274	62.5	13.2	30.8	35.5	28.1
2-3 PM	2142	0.0	347	0.0	1500	1511	631	978	11.36	280	62.4	13.0	30.8	35.5	27.6
3-4 PM	2131	0.0	345	0.0	1499	1498	633	978	11.36	280	62.4	13.0	30.8	35.5	27.6
4-5 PM	2202	0.0	356	0.0	1500	1508	694	1050	11.83	293	62.3	12.5	30.8	35.3	26.7
5-6 PM	1928	0.0	312	0.0	1499	1442	486	798	10.30	251	62.8	14.0	30.8	35.9	29.8
6-7 PM	1685	0.0	273	0.0	1500	1465	220	493	8.83	211	63.2	15.8	30.8	36.3	33.6
7-8 PM	1363	0.0	220	0.0	OFF	1363	0	220	0.13	7	63.8	61.2	61.2	37.0	37.0
8-9 PM	1107	0.0	179	0.0	OFF	1107	0	179	0.00	0	64.3	64.3	64.3	37.5	37.5
9-10 PM	910	0.0	147	0.0	OFF	910	0	147	0.00	0	64.7	64.7	64.7	37.9	37.9
10-11 PM	575	0.0	93	0.0	OFF	575	0	93	0.00	0	65.3	65.3	65.3	38.6	38.6
11PM-MID	451	0.0	73	0.0	OFF	451	0	73	0.00	0	65.5	65.5	65.5	38.8	38.8

"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	0.0133
MAIN ROUTE WITH WORKS	0.0102
DIVERSION	0.0680

PIA: Personal Injury Accidents

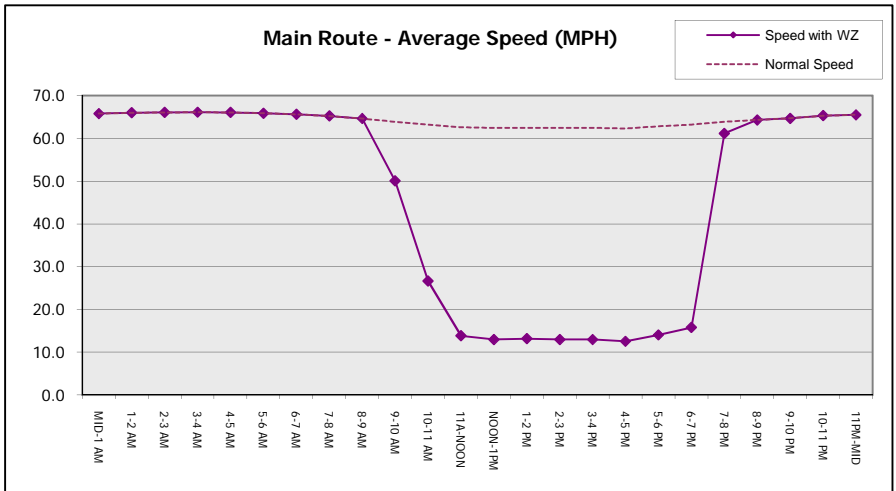
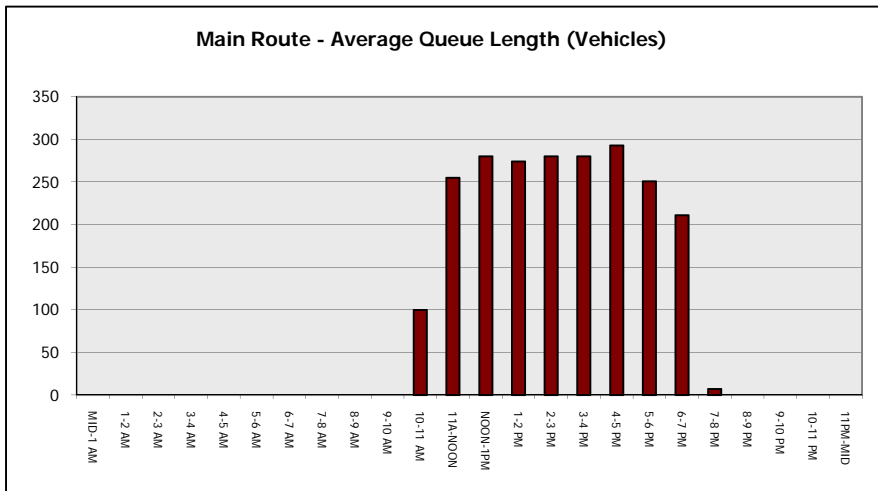
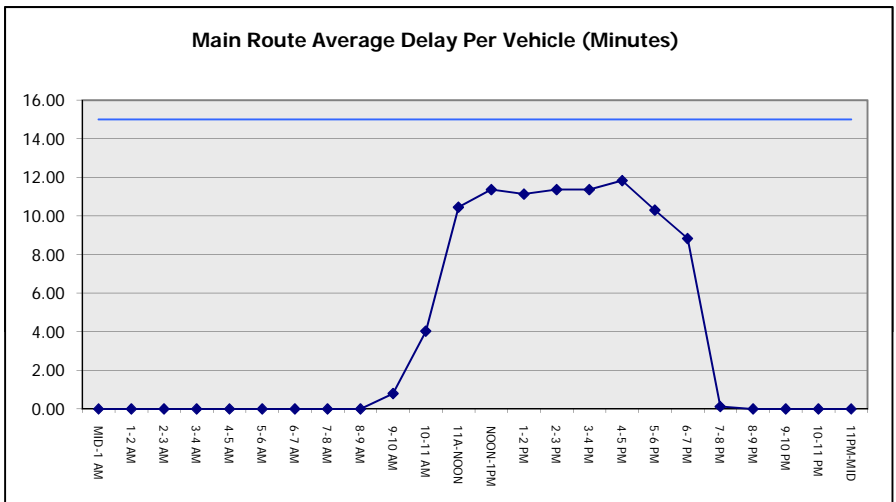
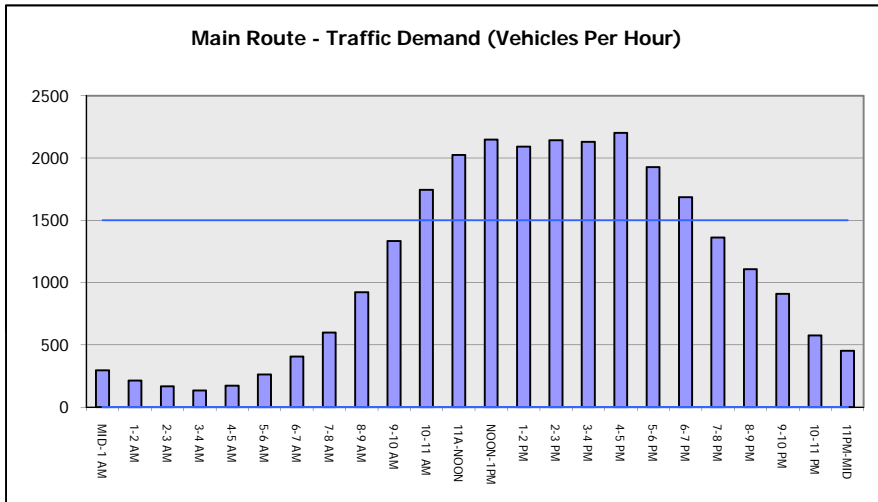
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$60,607
CONGESTED HOURS PER DAY*	0

\*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**  
**SUNDAY 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**

SUNDAY 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	341	0.0	56	0.0	OFF	341	0	56	0.00	0	65.8	65.8	65.8	39.1	39.1
1-2 AM	261	0.0	42	0.0	OFF	261	0	42	0.00	0	65.9	65.9	65.9	39.2	39.2
2-3 AM	212	0.0	34	0.0	OFF	212	0	34	0.00	0	66.0	66.0	66.0	39.3	39.3
3-4 AM	178	0.0	29	0.0	OFF	178	0	29	0.00	0	66.1	66.1	66.1	39.4	39.4
4-5 AM	181	0.0	29	0.0	OFF	181	0	29	0.00	0	66.1	66.1	66.1	39.4	39.4
5-6 AM	225	0.0	36	0.0	OFF	225	0	36	0.00	0	66.0	66.0	66.0	39.3	39.3
6-7 AM	375	0.0	61	0.0	OFF	375	0	61	0.00	0	65.7	65.7	65.7	39.0	39.0
7-8 AM	624	0.0	101	0.0	OFF	624	0	101	0.00	0	65.2	65.2	65.2	38.5	38.5
8-9 AM	1062	0.0	172	0.0	OFF	1062	0	172	0.00	0	64.4	64.4	64.4	37.6	37.6
9-10 AM	1617	0.0	262	0.0	1499	1617	0	262	1.91	32	63.3	38.4	31.1	36.5	36.5
10-11 AM	2202	0.0	356	0.0	1499	1693	509	865	10.45	263	62.3	13.8	30.8	35.3	29.0
11A-NOON	2654	0.0	429	0.0	1500	1628	1025	1455+	15.23	390	59.3	10.6	30.8	34.4	21.9
NOON-1PM	3014	0.0	488	0.0	1499	1518	1496	1984+	18.28	478	55.6	9.6	30.8	33.7	19.1
1-2 PM	3089	0.0	499	0.0	1500	1507	1582	2081+	18.28	479	54.8	9.6	30.8	33.5	19.1
2-3 PM	3252	0.0	526	0.0	1500	1500	1752	2278+	18.21	481	53.2	9.6	30.8	33.2	19.1
3-4 PM	3285	0.0	531	0.0	1500	1500	1785	2316+	18.18	481	52.8	9.6	30.8	33.2	19.1
4-5 PM	3201	0.0	518	0.0	1500	1502	1700	2218+	18.24	480	53.7	9.6	30.8	33.3	19.1
5-6 PM	2731	0.0	442	0.0	1500	1456	1275	1716+	17.93	464	58.5	9.7	30.8	34.3	19.5
6-7 PM	2415	0.0	390	0.0	1500	1390	1025	1415+	14.93	379	61.8	10.7	30.8	34.9	22.4
7-8 PM	1845	0.0	299	0.0	OFF	1845	0	299	0.39	24	63.0	55.5	55.5	36.0	36.0
8-9 PM	1365	0.0	220	0.0	OFF	1365	0	220	0.00	0	63.8	63.8	63.8	37.0	37.0
9-10 PM	918	0.0	148	0.0	OFF	918	0	148	0.00	0	64.6	64.6	64.6	37.9	37.9
10-11 PM	626	0.0	101	0.0	OFF	626	0	101	0.00	0	65.2	65.2	65.2	38.5	38.5
11PM-MID	452	0.0	73	0.0	OFF	452	0	73	0.00	0	65.5	65.5	65.5	38.8	38.8

"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	0.0178
MAIN ROUTE WITH WORKS	0.0108
DIVERSION	0.1395

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$143,427
CONGESTED HOURS PER DAY*	7

\*Delays Exceeding 15 Minutes

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

**OCTOBER**  
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Construction Season

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

