

<b>IH 39/90: USH 14 TO STH 11 (ROCK COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  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	1500	296	0	48	0.45	0	65.8	56.8	44.3	39.1	39.1
1-2 AM	214	0.0	35	0.0	1500	214	0	35	0.44	0	66.0	57.0	44.6	39.3	39.3
2-3 AM	168	0.0	27	0.0	1500	168	0	27	0.44	0	66.1	57.1	44.8	39.4	39.4
3-4 AM	133	0.0	22	0.0	1500	133	0	22	0.44	0	66.1	57.3	45.0	39.5	39.5
4-5 AM	172	0.0	28	0.0	1500	172	0	28	0.44	0	66.1	57.1	44.8	39.4	39.4
5-6 AM	261	0.0	42	0.0	1500	261	0	42	0.45	0	65.9	56.9	44.5	39.2	39.2
6-7 AM	406	0.0	66	0.0	1500	406	0	66	0.46	0	65.6	56.4	43.8	38.9	38.9
7-8 AM	599	0.0	97	0.0	1500	599	0	97	0.48	0	65.3	55.8	43.2	38.6	38.6
8-9 AM	922	0.0	149	0.0	1500	922	0	149	0.51	0	64.6	54.9	42.0	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	1499	1355	8	228	5.91	139	63.8	21.1	31.5	37.0	36.9
8-9 PM	1107	0.0	179	0.0	1500	1107	0	179	0.68	4	64.3	52.1	40.4	37.5	37.5
9-10 PM	910	0.0	147	0.0	1500	910	0	147	0.51	0	64.7	55.0	42.0	37.9	37.9
10-11 PM	575	0.0	93	0.0	1500	575	0	93	0.48	0	65.3	55.9	43.2	38.6	38.6
11PM-MID	451	0.0	73	0.0	1500	451	0	73	0.47	0	65.5	56.3	43.7	38.8	38.8

*----- 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	0.0097
DIVERSION	0.0680

PIA: Personal Injury Accidents

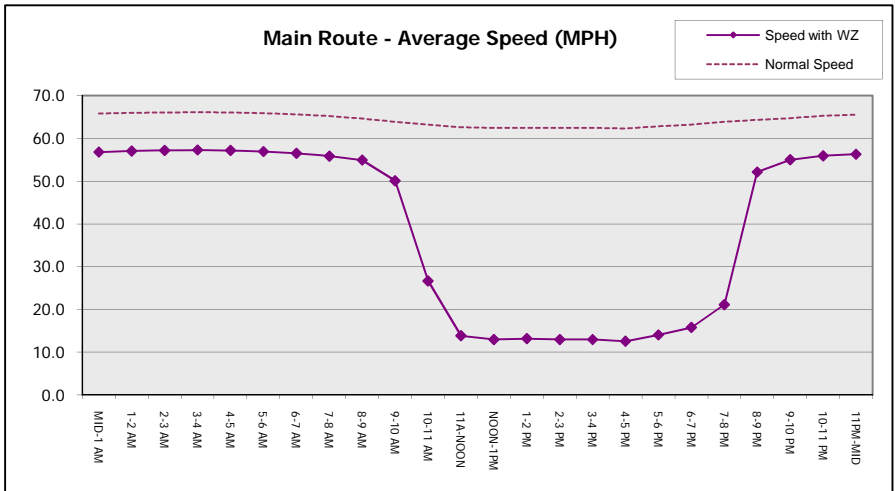
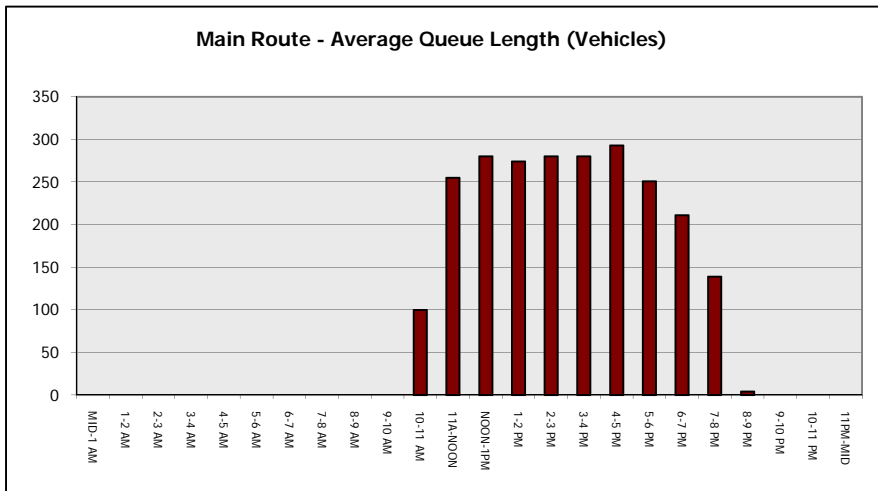
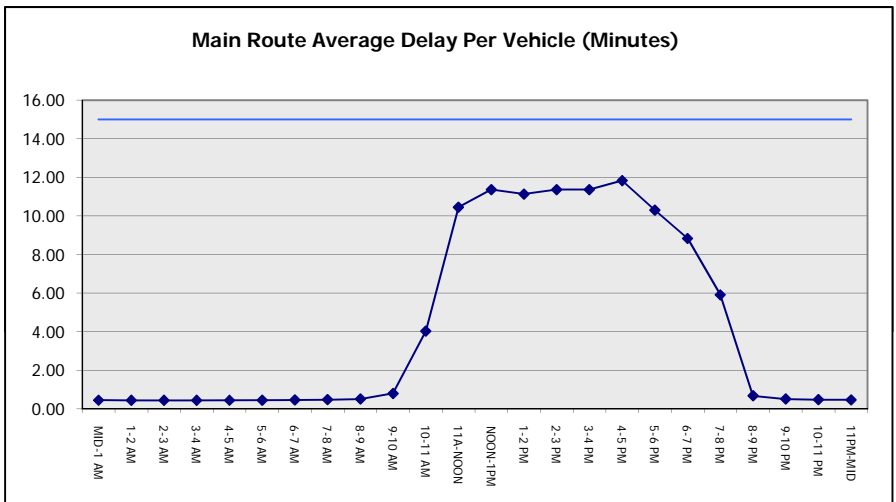
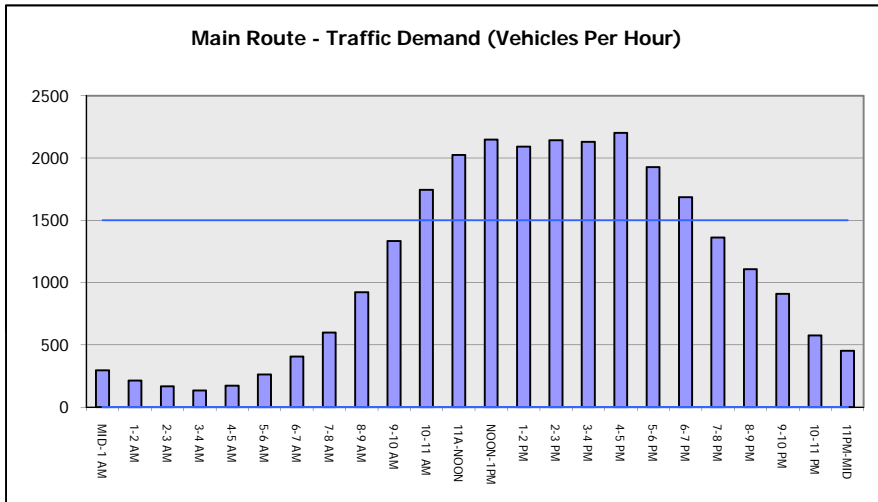
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$64,270
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90: USH 14 TO STH 11 (ROCK COUNTY)  
CONTINUOUS (24 HOUR) 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)                  CONTINUOUS (24 HOUR) CLOSURE                  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			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	341	0.0	56	0.0	1500	341	0	56	0.46	0	65.8	56.6	44.2	39.1	39.1
1-2 AM	261	0.0	42	0.0	1500	261	0	42	0.45	0	65.9	56.9	44.5	39.2	39.2
2-3 AM	212	0.0	34	0.0	1500	212	0	34	0.44	0	66.0	57.0	44.6	39.3	39.3
3-4 AM	178	0.0	29	0.0	1500	178	0	29	0.44	0	66.1	57.1	44.8	39.4	39.4
4-5 AM	181	0.0	29	0.0	1500	181	0	29	0.44	0	66.1	57.1	44.8	39.4	39.4
5-6 AM	225	0.0	36	0.0	1500	225	0	36	0.44	0	66.0	57.0	44.6	39.3	39.3
6-7 AM	375	0.0	61	0.0	1500	375	0	61	0.46	0	65.7	56.5	44.0	39.0	39.0
7-8 AM	624	0.0	101	0.0	1500	624	0	101	0.48	0	65.2	55.8	43.0	38.5	38.5
8-9 AM	1062	0.0	172	0.0	1499	1062	0	172	0.57	0	64.4	53.8	40.4	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	1500	1385	460	758	10.10	248	63.0	14.2	30.8	36.0	30.3
8-9 PM	1365	0.0	220	0.0	1500	1345	20	240	6.36	152	63.8	20.1	31.8	37.0	36.8
9-10 PM	918	0.0	148	0.0	1500	918	0	148	0.60	3	64.6	53.5	42.0	37.9	37.9
10-11 PM	626	0.0	101	0.0	1500	626	0	101	0.48	0	65.2	55.8	43.0	38.5	38.5
11PM-MID	452	0.0	73	0.0	1500	452	0	73	0.47	0	65.5	56.3	43.7	38.8	38.8

+ 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	0.0100
DIVERSION	0.1432

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$153,119
CONGESTED HOURS PER DAY*	7

\*Delays Exceeding 15 Minutes

**IH 39/90: USH 14 TO STH 11 (ROCK COUNTY)  
CONTINUOUS (24 HOUR) CLOSURE  
DIVERSION ROUTE: STH 11 - USH 14**

**OCTOBER**  
Analyzed for 2009  
Construction Season

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

