

<b>IH 39/90: USH 14 TO STH 11 (ROCK COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  DIVERSION ROUTE: STH 11 - USH 14</b>	<b>AUGUST</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	622	0.0	101	0.0	1500	622	0	101	0.48	0	65.2	55.8	43.0	38.5	38.5
1-2 AM	515	0.0	83	0.0	1500	515	0	83	0.47	0	65.5	56.1	43.5	38.7	38.7
2-3 AM	443	0.0	72	0.0	1500	443	0	72	0.47	0	65.6	56.3	43.7	38.9	38.9
3-4 AM	435	0.0	70	0.0	1500	435	0	70	0.46	0	65.6	56.3	43.8	38.9	38.9
4-5 AM	558	0.0	91	0.0	1500	558	0	91	0.48	0	65.3	56.0	43.3	38.6	38.6
5-6 AM	1059	0.0	171	0.0	1499	1059	0	171	0.57	0	64.4	53.8	40.4	37.6	37.6
6-7 AM	1604	0.0	259	0.0	1499	1604	0	259	1.80	26	63.4	39.2	30.9	36.5	36.5
7-8 AM	1936	0.0	313	0.0	1500	1645	291	604	9.02	222	62.8	15.5	30.8	35.8	32.2
8-9 AM	1976	0.0	319	0.0	1500	1504	472	791	10.26	250	62.7	14.0	30.8	35.8	29.9
9-10 AM	2172	0.0	351	0.0	1500	1546	626	977	11.35	280	62.3	13.0	30.8	35.4	27.6
10-11 AM	2525	0.0	409	0.0	1500	1595	930	1339+	14.10	357	60.6	11.1	30.8	34.7	23.2
11A-NOON	2733	0.0	442	0.0	1499	1572	1161	1603+	16.94	437	58.5	10.0	30.8	34.3	20.3
NOON-1PM	2841	0.0	459	0.0	1499	1505	1337	1796+	18.30	475	57.4	9.6	30.8	34.0	19.2
1-2 PM	2884	0.0	466	0.0	1500	1502	1382	1849+	18.30	476	56.9	9.6	30.8	34.0	19.2
2-3 PM	3100	0.0	501	0.0	1499	1502	1598	2099+	18.28	480	54.8	9.6	30.8	33.5	19.1
3-4 PM	3368	0.0	545	0.0	1500	1500	1868	2413+	18.11	481	52.0	9.6	30.8	33.0	19.1
4-5 PM	3265	0.0	528	0.0	1499	1500	1765	2293+	18.20	481	53.0	9.6	30.8	33.2	19.1
5-6 PM	3148	0.0	509	0.0	1500	1501	1647	2155+	18.27	480	54.3	9.6	30.8	33.4	19.1
6-7 PM	2901	0.0	469	0.0	1500	1499	1402	1872+	18.30	476	56.8	9.6	30.8	33.9	19.1
7-8 PM	2524	0.0	409	0.0	1499	1391	1133	1542+	16.30	417	60.7	10.2	30.8	34.7	21.0
8-9 PM	2355	0.0	381	0.0	1500	1451	905	1286+	13.66	343	62.0	11.2	30.8	35.0	23.8
9-10 PM	2081	0.0	337	0.0	1500	1431	650	987	11.42	282	62.5	12.9	30.8	35.6	27.5
10-11 PM	1503	0.0	243	0.0	1500	1368	135	378	7.78	186	63.6	17.4	30.8	36.7	35.0
11PM-MID	848	0.0	137	0.0	1500	848	0	137	0.80	12	64.8	50.6	42.2	38.1	38.1

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.0234
MAIN ROUTE WITH WORKS	0.0129
DIVERSION	0.1935

PIA: Personal Injury Accidents

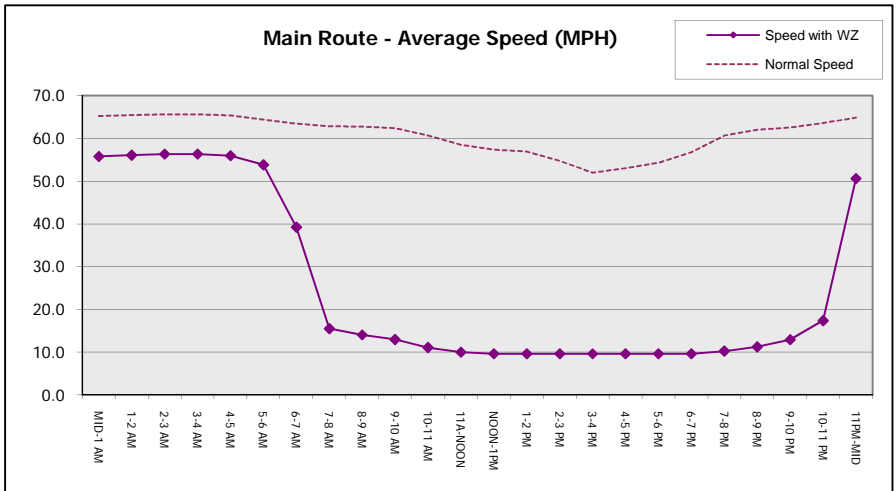
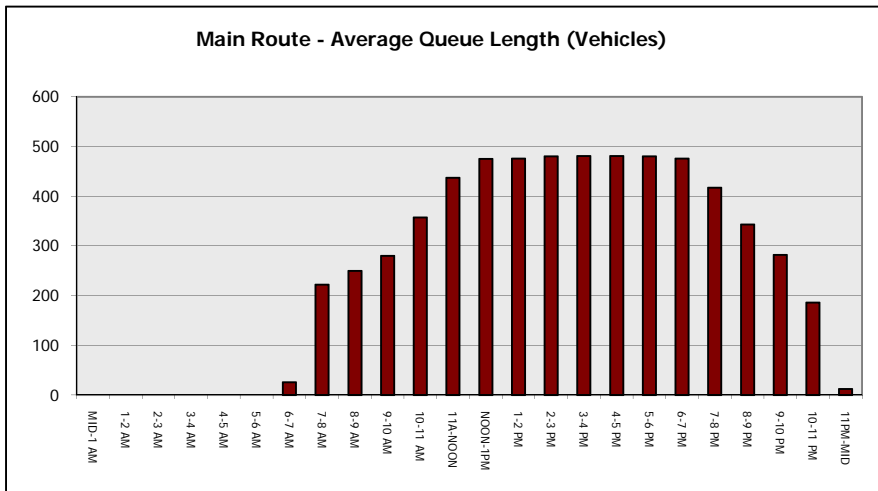
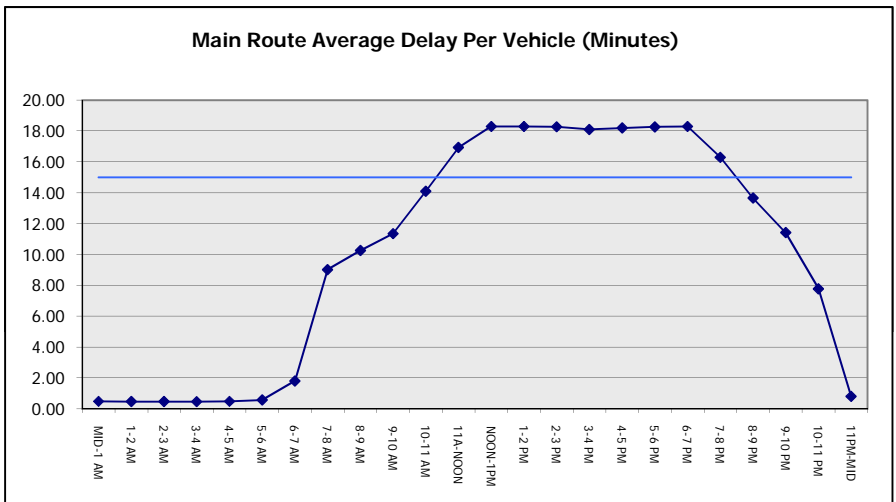
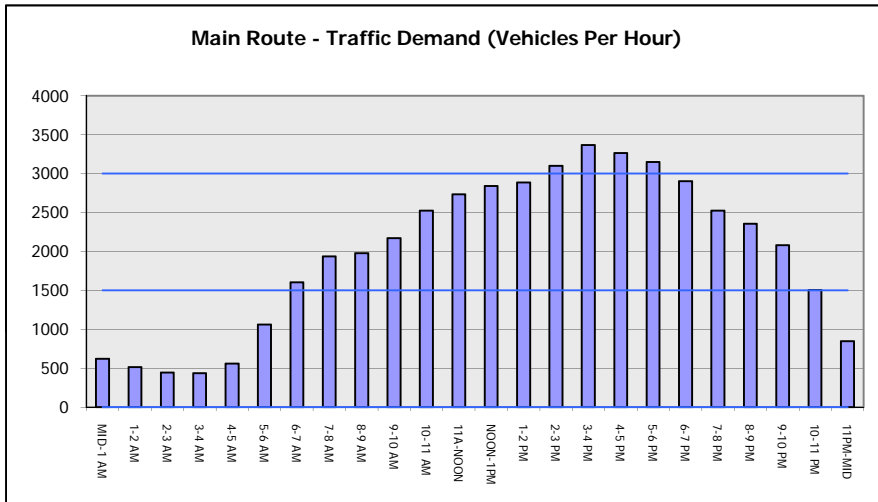
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$176,658
CONGESTED HOURS PER DAY*	9

\*Delays Exceeding 15 Minutes

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

**AUGUST**  
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)                  CONTINUOUS (24 HOUR) CLOSURE                  DIVERSION ROUTE: STH 11 - USH 14</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

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	544	0.0	88	0.0	1500	544	0	88	0.48	0	65.4	56.0	43.3	38.6	38.6
1-2 AM	442	0.0	71	0.0	1500	442	0	71	0.47	0	65.6	56.3	43.7	38.9	38.9
2-3 AM	445	0.0	72	0.0	1500	445	0	72	0.47	0	65.6	56.3	43.7	38.9	38.9
3-4 AM	503	0.0	81	0.0	1500	503	0	81	0.47	0	65.5	56.1	43.5	38.8	38.8
4-5 AM	531	0.0	85	0.0	1500	531	0	85	0.47	0	65.4	56.1	43.4	38.7	38.7
5-6 AM	651	0.0	105	0.0	1500	651	0	105	0.49	0	65.1	55.7	42.9	38.4	38.4
6-7 AM	896	0.0	145	0.0	1500	896	0	145	0.51	0	64.7	55.0	42.0	37.9	37.9
7-8 AM	1359	0.0	220	0.0	1499	1359	0	220	0.84	0	63.8	49.6	34.1	37.0	37.0
8-9 AM	1547	0.0	250	0.0	1499	1547	0	250	1.44	13	63.5	42.5	30.9	36.6	36.6
9-10 AM	1817	0.0	293	0.0	1500	1686	131	424	6.82	168	63.0	19.1	30.8	36.1	34.5
10-11 AM	2042	0.0	330	0.0	1499	1535	507	838	10.52	257	62.6	13.8	30.8	35.6	29.3
11A-NOON	2264	0.0	366	0.0	1500	1545	719	1086	12.08	300	62.2	12.4	30.8	35.2	26.3
NOON-1PM	2395	0.0	387	0.0	1499	1534	862	1249+	13.33	334	61.9	11.4	30.8	35.0	24.3
1-2 PM	2613	0.0	423	0.0	1500	1570	1043	1466+	15.34	392	59.7	10.6	30.8	34.5	21.8
2-3 PM	2745	0.0	444	0.0	1499	1551	1195	1638+	17.41	450	58.4	9.9	30.8	34.2	19.9
3-4 PM	2815	0.0	455	0.0	1499	1502	1314	1769+	18.30	475	57.6	9.6	30.8	34.1	19.2
4-5 PM	2871	0.0	464	0.0	1500	1501	1370	1834+	18.30	476	57.1	9.6	30.8	34.0	19.2
5-6 PM	2757	0.0	446	0.0	1500	1472	1284	1730+	18.06	467	58.2	9.7	30.8	34.2	19.4
6-7 PM	2226	0.0	360	0.0	1499	1333	892	1253+	13.43	340	62.2	11.6	30.8	35.3	24.3
7-8 PM	1986	0.0	321	0.0	1500	1457	528	850	10.59	259	62.7	13.7	30.8	35.8	29.2
8-9 PM	1586	0.0	256	0.0	1499	1445	141	398	8.44	200	63.4	16.3	30.8	36.6	34.8
9-10 PM	1354	0.0	219	0.0	1499	1354	0	219	5.32	124	63.8	22.6	31.6	37.0	37.0
10-11 PM	1141	0.0	184	0.0	1500	1141	0	184	0.66	2	64.3	52.3	39.7	37.4	37.4
11PM-MID	814	0.0	132	0.0	1500	814	0	132	0.50	0	64.9	55.2	42.4	38.1	38.1

+ 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	0.0189
MAIN ROUTE WITH WORKS	0.0121
DIVERSION	0.1255

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$112,051
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding 15 Minutes

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

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**FRIDAY EASTBOUND DIRECTION**

