

<b>IH 39/90: USH 14 TO STH 11 (ROCK COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 11 - USH 14</b>	<b>OCTOBER</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	461	0.0	74	0.0	1500	461	0	74	0.47	0	65.5	56.3	43.7	38.8	38.8
1-2 AM	347	0.0	57	0.0	1500	347	0	57	0.46	0	65.8	56.6	44.1	39.1	39.1
2-3 AM	313	0.0	50	0.0	1500	313	0	50	0.45	0	65.8	56.7	44.2	39.1	39.1
3-4 AM	259	0.0	42	0.0	1500	259	0	42	0.45	0	65.9	56.9	44.5	39.2	39.2
4-5 AM	361	0.0	59	0.0	1500	361	0	59	0.46	0	65.7	56.6	44.0	39.0	39.0
5-6 AM	539	0.0	88	0.0	1500	539	0	88	0.47	0	65.4	56.0	43.3	38.6	38.6
6-7 AM	843	0.0	136	0.0	1500	843	0	136	0.50	0	64.8	55.1	42.2	38.1	38.1
7-8 AM	1363	0.0	220	0.0	1499	1363	0	220	0.88	1	63.8	49.0	34.4	37.0	37.0
8-9 AM	2053	0.0	333	0.0	1500	1780	273	605	7.37	192	62.5	17.9	30.8	35.6	32.2
9-10 AM	2261	0.0	366	0.0	1499	1525	736	1101	12.19	303	62.2	12.2	30.8	35.2	26.1
10-11 AM	2204	0.0	356	0.0	1499	1479	725	1081	12.05	299	62.3	12.4	30.8	35.3	26.3
11A-NOON	2107	0.0	341	0.0	1499	1479	628	969	11.30	278	62.5	13.0	30.8	35.5	27.7
NOON-1PM	2003	0.0	324	0.0	1500	1478	525	849	10.59	259	62.7	13.7	30.8	35.7	29.2
1-2 PM	1791	0.0	289	0.0	1499	1469	322	611	9.36	225	63.0	15.1	30.8	36.1	32.2
2-3 PM	1808	0.0	292	0.0	1500	1499	309	601	9.31	224	63.0	15.2	30.8	36.1	32.3
3-4 PM	1412	0.0	229	0.0	1499	1388	24	253	6.88	160	63.8	19.0	30.8	36.9	36.6
4-5 PM	1478	0.0	239	0.0	1500	1478	0	239	4.06	81	63.7	26.6	30.8	36.8	36.8
5-6 PM	1785	0.0	288	0.0	1500	1635	150	439	7.87	190	63.0	17.2	30.8	36.1	34.3
6-7 PM	1336	0.0	216	0.0	1499	1313	23	239	5.58	135	63.9	21.9	32.1	37.1	36.8
7-8 PM	1102	0.0	178	0.0	1500	1102	0	178	0.59	1	64.3	53.3	40.7	37.5	37.5
8-9 PM	934	0.0	151	0.0	1500	934	0	151	0.51	0	64.6	54.8	41.9	37.9	37.9
9-10 PM	798	0.0	129	0.0	1500	798	0	129	0.50	0	64.9	55.3	42.4	38.1	38.1
10-11 PM	572	0.0	93	0.0	1500	572	0	93	0.48	0	65.3	56.0	43.2	38.6	38.6
11PM-MID	414	0.0	67	0.0	1500	414	0	67	0.46	0	65.6	56.4	43.8	38.9	38.9

*----- 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	0.0141
MAIN ROUTE WITH WORKS	0.0106
DIVERSION	0.0646

PIA: Personal Injury Accidents

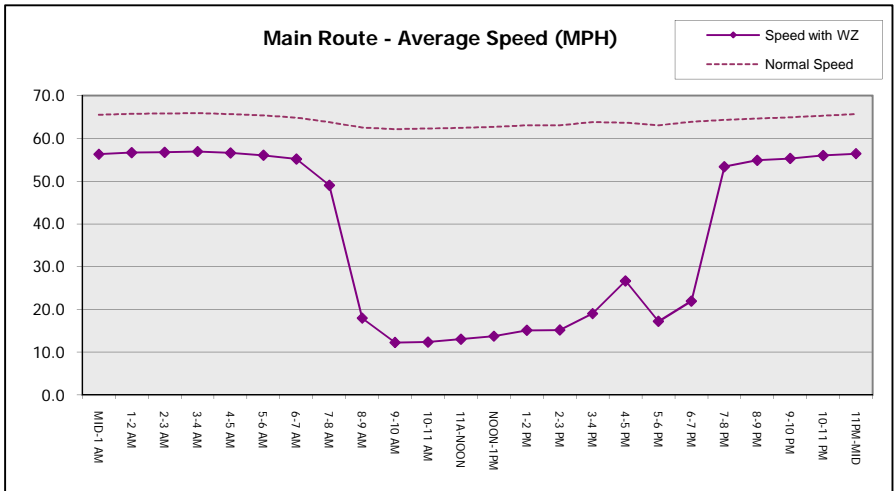
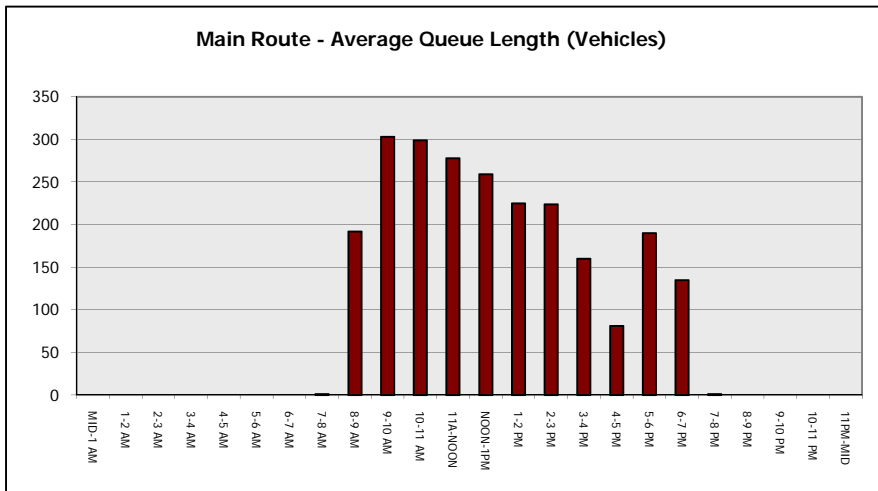
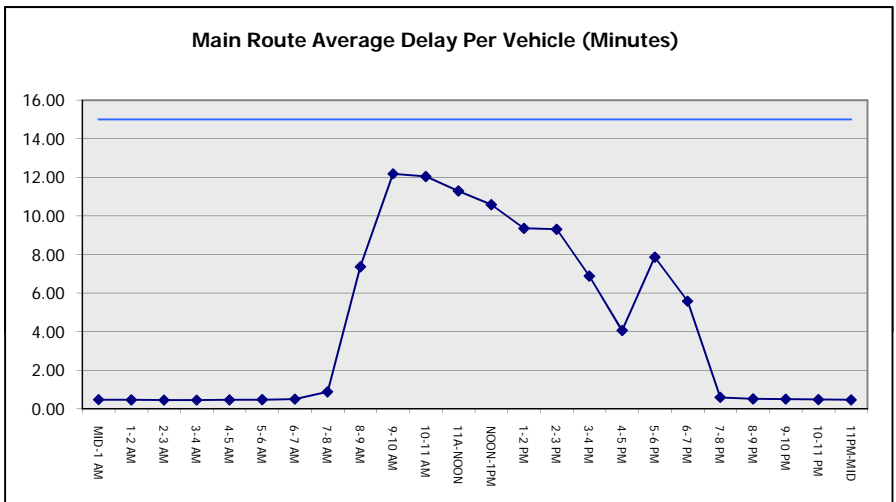
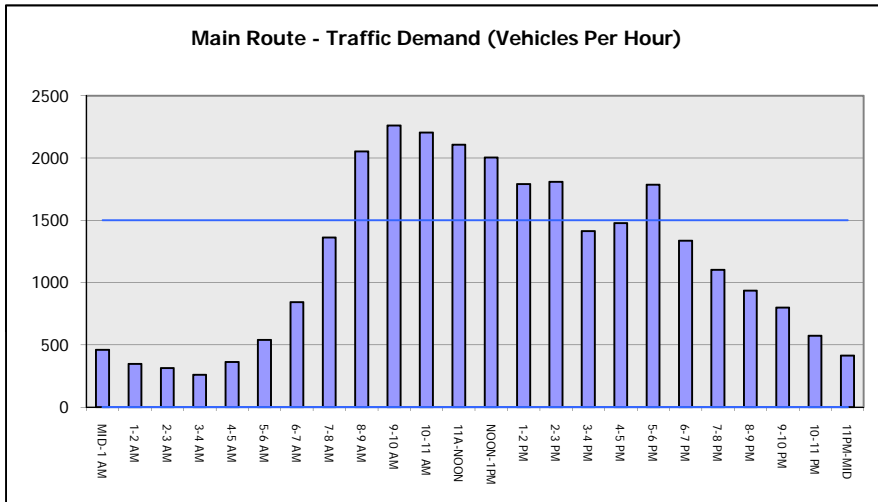
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$58,044
CONGESTED HOURS PER DAY*	0

\*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**  
**SATURDAY 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**

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		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	425	0.0	69	0.0	1500	425	0	69	0.46	0	65.6	56.4	43.8	38.9	38.9
1-2 AM	330	0.0	54	0.0	1500	330	0	54	0.45	0	65.8	56.6	44.2	39.1	39.1
2-3 AM	286	0.0	46	0.0	1500	286	0	46	0.45	0	65.8	56.8	44.3	39.2	39.2
3-4 AM	294	0.0	47	0.0	1500	294	0	47	0.45	0	65.8	56.8	44.3	39.2	39.2
4-5 AM	344	0.0	56	0.0	1500	344	0	56	0.46	0	65.8	56.6	44.1	39.1	39.1
5-6 AM	376	0.0	61	0.0	1500	376	0	61	0.46	0	65.7	56.5	44.0	39.0	39.0
6-7 AM	534	0.0	86	0.0	1500	534	0	86	0.47	0	65.4	56.0	43.3	38.7	38.7
7-8 AM	811	0.0	131	0.0	1500	811	0	131	0.50	0	64.9	55.2	42.4	38.1	38.1
8-9 AM	1223	0.0	198	0.0	1499	1223	0	198	0.66	0	64.1	52.2	37.9	37.3	37.3
9-10 AM	1551	0.0	251	0.0	1499	1551	0	251	1.47	13	63.5	42.3	30.9	36.6	36.6
10-11 AM	1705	0.0	276	0.0	1500	1671	34	310	6.04	144	63.2	20.7	30.8	36.3	35.9
11A-NOON	1773	0.0	287	0.0	1499	1495	277	565	9.14	219	63.1	15.4	30.8	36.2	32.7
NOON-1PM	1841	0.0	298	0.0	1500	1508	332	630	9.44	227	63.0	15.0	30.8	36.0	31.9
1-2 PM	1820	0.0	294	0.0	1499	1497	323	618	9.39	226	63.0	15.1	30.8	36.1	32.0
2-3 PM	1888	0.0	306	0.0	1500	1516	372	678	9.68	234	62.8	14.7	30.8	36.0	31.3
3-4 PM	2105	0.0	341	0.0	1500	1536	569	910	10.93	268	62.5	13.4	30.8	35.5	28.4
4-5 PM	2055	0.0	333	0.0	1499	1481	574	906	10.92	268	62.5	13.4	30.8	35.6	28.5
5-6 PM	1870	0.0	303	0.0	1499	1467	403	706	9.82	238	62.9	14.5	30.8	36.0	31.0
6-7 PM	1724	0.0	279	0.0	1500	1476	248	527	8.98	215	63.2	15.6	30.8	36.3	33.2
7-8 PM	1372	0.0	222	0.0	1499	1359	13	235	6.21	146	63.8	20.4	31.4	37.0	36.8
8-9 PM	1095	0.0	177	0.0	1500	1095	0	177	0.71	5	64.3	51.6	40.4	37.6	37.6
9-10 PM	888	0.0	144	0.0	1500	888	0	144	0.51	0	64.7	55.0	42.0	37.9	37.9
10-11 PM	701	0.0	113	0.0	1500	701	0	113	0.49	0	65.1	55.5	42.7	38.3	38.3
11PM-MID	521	0.0	84	0.0	1500	521	0	84	0.47	0	65.4	56.1	43.4	38.7	38.7

*----- 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	0.0136
MAIN ROUTE WITH WORKS	0.0104
DIVERSION	0.0589

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$53,091
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**  
**SATURDAY EASTBOUND DIRECTION**

