

<b>IH 39/90: USH 14 TO STH 11 (ROCK COUNTY)</b> <b>NIGHTTIME 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	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	OFF	1333	0	215	0.00	0	63.9	63.9	63.9	37.1	37.1
10-11 AM	1744	0.0	282	0.0	OFF	1744	0	282	0.00	0	63.2	63.2	63.2	36.3	36.3
11A-NOON	2024	0.0	327	0.0	OFF	2024	0	327	0.00	0	62.6	62.6	62.6	35.7	35.7
NOON-1PM	2147	0.0	347	0.0	OFF	2147	0	347	0.00	0	62.4	62.4	62.4	35.5	35.5
1-2 PM	2091	0.0	338	0.0	OFF	2091	0	338	0.00	0	62.5	62.5	62.5	35.5	35.5
2-3 PM	2142	0.0	347	0.0	OFF	2142	0	347	0.00	0	62.4	62.4	62.4	35.5	35.5
3-4 PM	2131	0.0	345	0.0	OFF	2131	0	345	0.00	0	62.4	62.4	62.4	35.5	35.5
4-5 PM	2202	0.0	356	0.0	OFF	2202	0	356	0.00	0	62.3	62.3	62.3	35.3	35.3
5-6 PM	1928	0.0	312	0.0	OFF	1928	0	312	0.00	0	62.8	62.8	62.8	35.9	35.9
6-7 PM	1685	0.0	273	0.0	OFF	1685	0	273	0.00	0	63.2	63.2	63.2	36.3	36.3
7-8 PM	1363	0.0	220	0.0	1500	1363	0	220	0.85	0	63.8	49.4	33.8	37.0	37.0
8-9 PM	1107	0.0	179	0.0	1500	1107	0	179	0.53	0	64.3	54.3	41.3	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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0133
MAIN ROUTE WITH WORKS	0.0128
DIVERSION	0.0339

PIA: Personal Injury Accidents

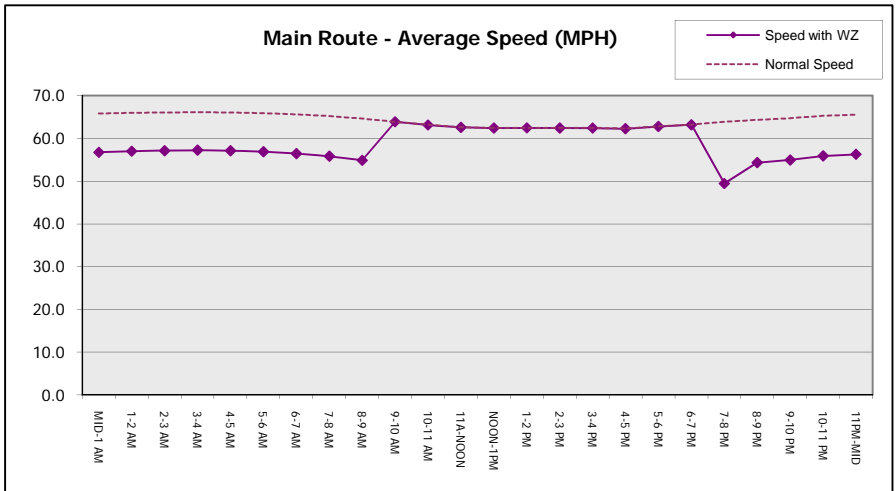
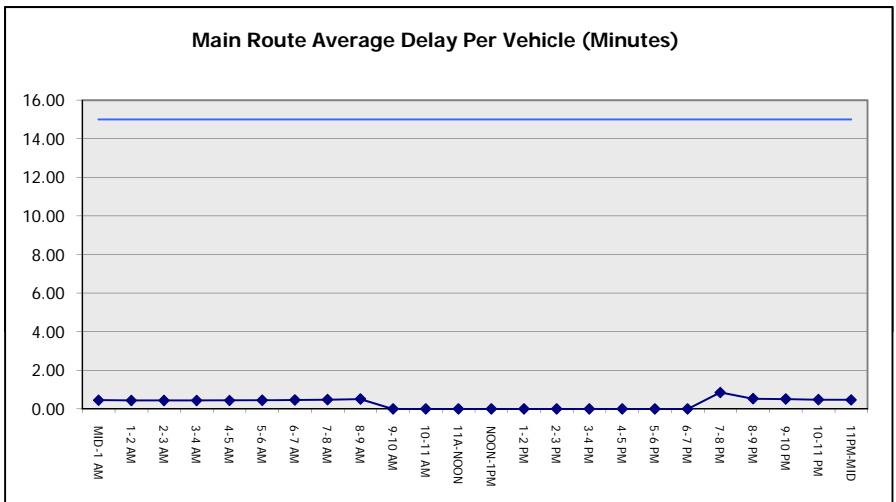
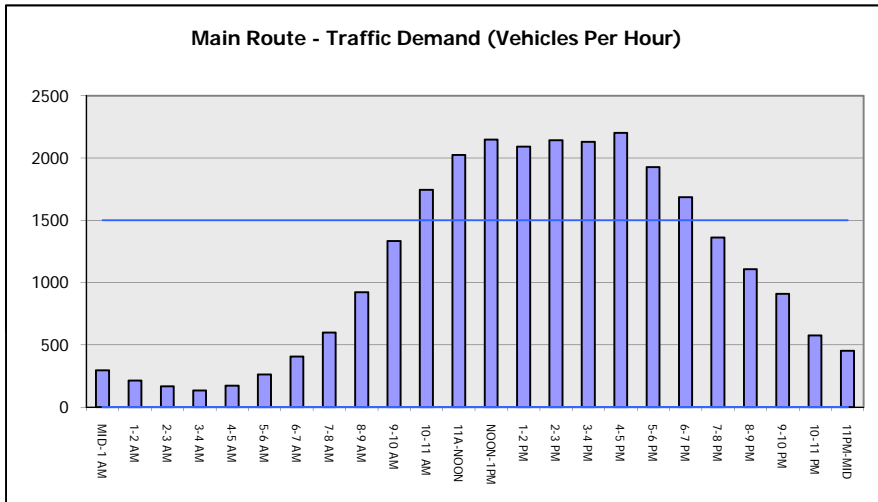
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,150
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90: USH 14 TO STH 11 (ROCK COUNTY)  
 NIGHTTIME 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) NIGHTTIME CLOSURE DIVERSION ROUTE: STH 11 - USH 14</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
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	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	OFF	1617	0	262	0.00	0	63.3	63.3	63.3	36.5	36.5
10-11 AM	2202	0.0	356	0.0	OFF	2202	0	356	0.00	0	62.3	62.3	62.3	35.3	35.3
11A-NOON	2654	0.0	429	0.0	OFF	2654	0	429	0.00	0	59.3	59.3	59.3	34.4	34.4
NOON-1PM	3014	0.0	488	0.0	OFF	3014	0	488	0.00	0	55.6	55.6	55.6	33.7	33.7
1-2 PM	3089	0.0	499	0.0	OFF	3089	0	499	0.00	0	54.8	54.8	54.8	33.5	33.5
2-3 PM	3252	0.0	526	0.0	OFF	3252	0	526	0.00	0	53.2	53.2	53.2	33.2	33.2
3-4 PM	3285	0.0	531	0.0	OFF	3285	0	531	0.00	0	52.8	52.8	52.8	33.2	33.2
4-5 PM	3201	0.0	518	0.0	OFF	3201	0	518	0.00	0	53.7	53.7	53.7	33.3	33.3
5-6 PM	2731	0.0	442	0.0	OFF	2731	0	442	0.00	0	58.5	58.5	58.5	34.3	34.3
6-7 PM	2415	0.0	390	0.0	OFF	2415	0	390	0.00	0	61.8	61.8	61.8	34.9	34.9
7-8 PM	1845	0.0	299	0.0	1499	1710	135	434	6.91	168	63.0	18.9	30.8	36.0	34.3
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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0172
DIVERSION	0.0465

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$6,631
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**OCTOBER**  
Analyzed for 2009  
Construction Season

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

