

<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>AUGUST</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	565	0.0	92	0.0	1500	565	0	92	0.48	0	65.3	56.0	43.3	38.6	38.6
1-2 AM	441	0.0	71	0.0	1500	441	0	71	0.47	0	65.6	56.3	43.7	38.9	38.9
2-3 AM	427	0.0	69	0.0	1500	427	0	69	0.46	0	65.6	56.4	43.8	38.9	38.9
3-4 AM	359	0.0	59	0.0	1500	359	0	59	0.46	0	65.7	56.6	44.0	39.0	39.0
4-5 AM	401	0.0	65	0.0	1500	401	0	65	0.46	0	65.6	56.4	43.9	38.9	38.9
5-6 AM	631	0.0	102	0.0	1500	631	0	102	0.48	0	65.2	55.8	43.0	38.5	38.5
6-7 AM	1013	0.0	164	0.0	1499	1013	0	164	0.53	0	64.5	54.5	41.5	37.7	37.7
7-8 AM	1552	0.0	251	0.0	1499	1552	0	251	1.66	23	63.5	40.6	31.7	36.6	36.6
8-9 AM	2117	0.0	343	0.0	OFF	2117	0	343	0.04	2	62.4	61.5	61.5	35.5	35.5
9-10 AM	2663	0.0	430	0.0	OFF	2663	0	430	0.00	0	59.2	59.2	59.2	34.4	34.4
10-11 AM	2971	0.0	481	0.0	OFF	2971	0	481	0.00	0	56.1	56.1	56.1	33.8	33.8
11A-NOON	2858	0.0	462	0.0	OFF	2858	0	462	0.00	0	57.2	57.2	57.2	34.0	34.0
NOON-1PM	2606	0.0	422	0.0	OFF	2606	0	422	0.00	0	59.8	59.8	59.8	34.5	34.5
1-2 PM	2364	0.0	382	0.0	OFF	2364	0	382	0.00	0	62.0	62.0	62.0	35.0	35.0
2-3 PM	2178	0.0	352	0.0	OFF	2178	0	352	0.00	0	62.3	62.3	62.3	35.4	35.4
3-4 PM	2018	0.0	326	0.0	OFF	2018	0	326	0.00	0	62.6	62.6	62.6	35.7	35.7
4-5 PM	1820	0.0	294	0.0	OFF	1820	0	294	0.00	0	63.0	63.0	63.0	36.1	36.1
5-6 PM	1644	0.0	266	0.0	OFF	1644	0	266	0.00	0	63.3	63.3	63.3	36.5	36.5
6-7 PM	1448	0.0	235	0.0	1499	1448	0	235	0.96	0	63.7	47.9	31.9	36.8	36.8
7-8 PM	1227	0.0	199	0.0	1500	1227	0	199	0.67	0	64.1	52.0	37.6	37.3	37.3
8-9 PM	1144	0.0	185	0.0	1500	1144	0	185	0.56	0	64.3	53.8	40.4	37.4	37.4
9-10 PM	936	0.0	151	0.0	1500	936	0	151	0.51	0	64.6	54.8	41.9	37.9	37.9
10-11 PM	688	0.0	111	0.0	1500	688	0	111	0.49	0	65.1	55.6	42.8	38.4	38.4
11PM-MID	534	0.0	86	0.0	1500	534	0	86	0.47	0	65.4	56.0	43.3	38.7	38.7

"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	0.0171
MAIN ROUTE WITH WORKS	0.0163
DIVERSION	0.0434

PIA: Personal Injury Accidents

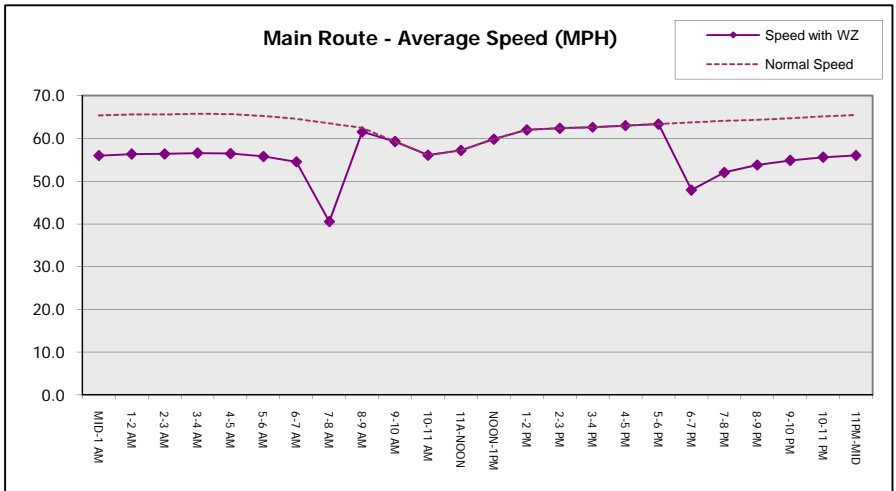
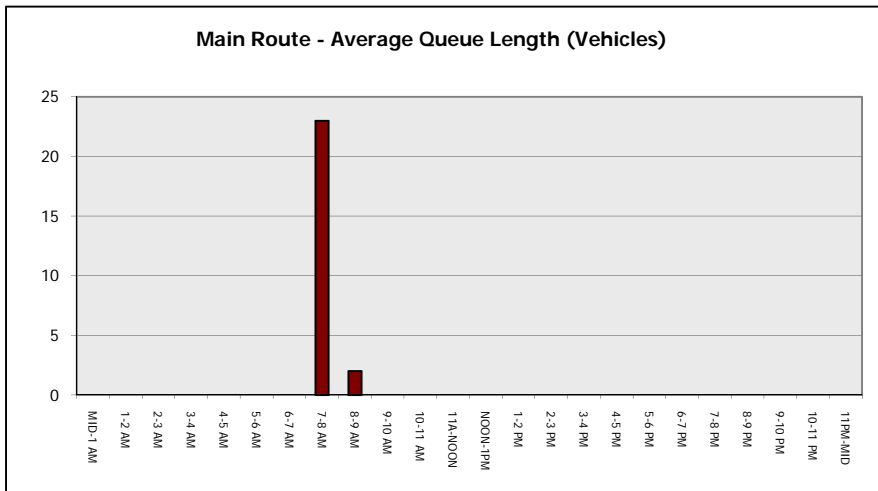
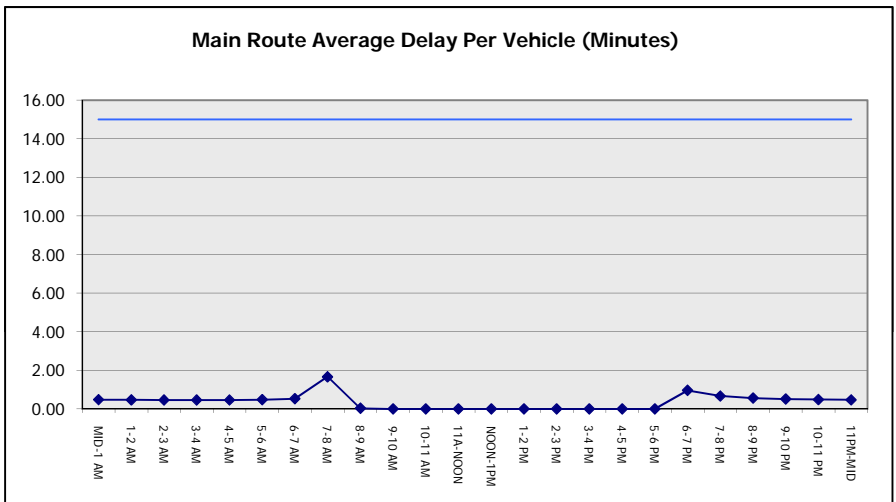
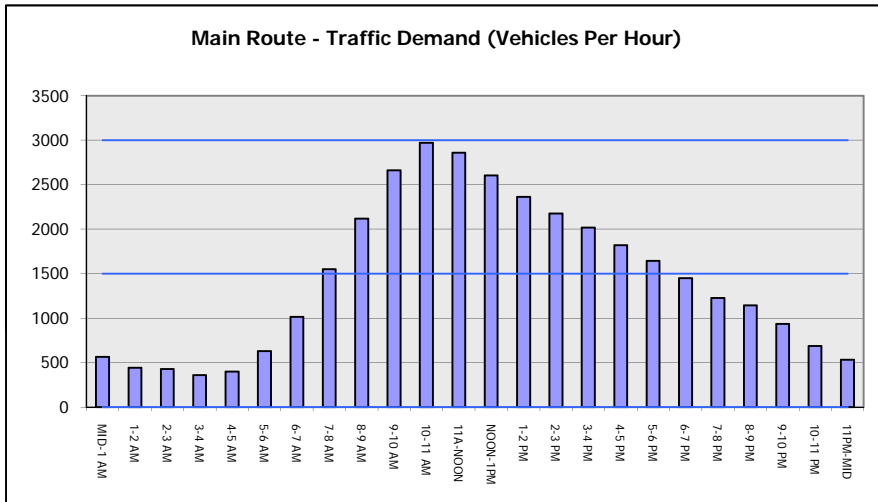
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,300
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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

**AUGUST**  
 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)</b> <b>NIGHTTIME CLOSURE</b> <b>DIVERSION ROUTE: STH 11 - USH 14</b>	<b>AUGUST</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 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	589	0.0	96	0.0	1500	589	0	96	0.48	0	65.3	55.9	43.2	38.6	38.6
1-2 AM	406	0.0	66	0.0	1500	406	0	66	0.46	0	65.6	56.4	43.8	38.9	38.9
2-3 AM	387	0.0	63	0.0	1500	387	0	63	0.46	0	65.6	56.5	44.0	38.9	38.9
3-4 AM	372	0.0	60	0.0	1500	372	0	60	0.46	0	65.7	56.5	44.0	39.0	39.0
4-5 AM	393	0.0	64	0.0	1500	393	0	64	0.46	0	65.6	56.4	43.9	38.9	38.9
5-6 AM	405	0.0	66	0.0	1500	405	0	66	0.46	0	65.6	56.4	43.9	38.9	38.9
6-7 AM	615	0.0	99	0.0	1500	615	0	99	0.48	0	65.3	55.8	43.1	38.5	38.5
7-8 AM	1006	0.0	163	0.0	1499	1006	0	163	0.52	0	64.5	54.6	41.7	37.7	37.7
8-9 AM	1401	0.0	226	0.0	OFF	1401	0	226	0.00	0	63.8	63.8	63.8	36.9	36.9
9-10 AM	1822	0.0	294	0.0	OFF	1822	0	294	0.00	0	63.0	63.0	63.0	36.1	36.1
10-11 AM	2302	0.0	373	0.0	OFF	2302	0	373	0.00	0	62.1	62.1	62.1	35.1	35.1
11A-NOON	2550	0.0	412	0.0	OFF	2550	0	412	0.00	0	60.4	60.4	60.4	34.7	34.7
NOON-1PM	2810	0.0	454	0.0	OFF	2810	0	454	0.00	0	57.7	57.7	57.7	34.1	34.1
1-2 PM	2845	0.0	460	0.0	OFF	2845	0	460	0.00	0	57.4	57.4	57.4	34.0	34.0
2-3 PM	2683	0.0	433	0.0	OFF	2683	0	433	0.00	0	59.0	59.0	59.0	34.3	34.3
3-4 PM	2700	0.0	436	0.0	OFF	2700	0	436	0.00	0	58.8	58.8	58.8	34.3	34.3
4-5 PM	2454	0.0	397	0.0	OFF	2454	0	397	0.00	0	61.4	61.4	61.4	34.8	34.8
5-6 PM	2348	0.0	380	0.0	OFF	2348	0	380	0.00	0	62.0	62.0	62.0	35.0	35.0
6-7 PM	1927	0.0	312	0.0	1499	1728	200	511	7.41	183	62.8	17.9	30.8	35.9	33.4
7-8 PM	1622	0.0	263	0.0	1500	1463	160	422	8.53	203	63.3	16.2	30.8	36.5	34.5
8-9 PM	1438	0.0	233	0.0	1500	1434	4	237	7.21	167	63.7	18.4	30.8	36.8	36.8
9-10 PM	1220	0.0	198	0.0	1499	1220	0	198	1.59	34	64.1	41.4	36.5	37.3	37.3
10-11 PM	968	0.0	156	0.0	1500	968	0	156	0.52	0	64.6	54.8	41.8	37.8	37.8
11PM-MID	682	0.0	110	0.0	1500	682	0	110	0.49	0	65.1	55.6	42.8	38.4	38.4

"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	0.0177
MAIN ROUTE WITH WORKS	0.0168
DIVERSION	0.0479

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$11,785
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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**NIGHTTIME CLOSURE**  
**DIVERSION ROUTE: STH 11 - USH 14**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

