

<b>IH 39/90: USH 14 TO STATE LINE (ROCK COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - USH 11</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	405	0.0	59	0.0	1500	405	0	59	0.46	0	65.6	62.5	43.9	39.0	39.0
1-2 AM	305	0.0	44	0.0	1500	305	0	44	0.45	0	65.8	62.7	44.3	39.2	39.2
2-3 AM	275	0.0	40	0.0	1500	275	0	40	0.45	0	65.9	62.8	44.4	39.2	39.2
3-4 AM	227	0.0	33	0.0	1500	227	0	33	0.44	0	66.0	62.9	44.6	39.3	39.3
4-5 AM	317	0.0	46	0.0	1500	317	0	46	0.45	0	65.8	62.7	44.2	39.2	39.2
5-6 AM	474	0.0	69	0.0	1500	474	0	69	0.47	0	65.5	62.3	43.6	38.9	38.9
6-7 AM	740	0.0	107	0.0	1500	740	0	107	0.49	0	65.0	61.7	42.6	38.4	38.4
7-8 AM	1197	0.0	174	0.0	1499	1197	0	174	0.66	0	64.1	59.9	38.1	37.6	37.6
8-9 AM	1802	0.0	262	0.0	OFF	1802	0	262	0.00	0	63.0	63.0	63.0	36.5	36.5
9-10 AM	1985	0.0	288	0.0	OFF	1985	0	288	0.00	0	62.7	62.7	62.7	36.1	36.1
10-11 AM	1935	0.0	281	0.0	OFF	1935	0	281	0.00	0	62.8	62.8	62.8	36.3	36.3
11A-NOON	1850	0.0	269	0.0	OFF	1850	0	269	0.00	0	63.0	63.0	63.0	36.4	36.4
NOON-1PM	1758	0.0	255	0.0	OFF	1758	0	255	0.00	0	63.1	63.1	63.1	36.6	36.6
1-2 PM	1572	0.0	229	0.0	OFF	1572	0	229	0.00	0	63.5	63.5	63.5	36.9	36.9
2-3 PM	1587	0.0	231	0.0	OFF	1587	0	231	0.00	0	63.4	63.4	63.4	36.9	36.9
3-4 PM	1240	0.0	180	0.0	OFF	1240	0	180	0.00	0	64.1	64.1	64.1	37.5	37.5
4-5 PM	1298	0.0	188	0.0	OFF	1298	0	188	0.00	0	64.0	64.0	64.0	37.4	37.4
5-6 PM	1568	0.0	228	0.0	OFF	1568	0	228	0.00	0	63.5	63.5	63.5	36.9	36.9
6-7 PM	1174	0.0	171	0.0	1500	1174	0	171	0.60	0	64.2	60.3	39.3	37.6	37.6
7-8 PM	969	0.0	141	0.0	1500	969	0	141	0.52	0	64.6	61.2	41.8	38.0	38.0
8-9 PM	819	0.0	119	0.0	1500	819	0	119	0.50	0	64.8	61.5	42.3	38.3	38.3
9-10 PM	700	0.0	102	0.0	1500	700	0	102	0.49	0	65.1	61.8	42.8	38.5	38.5
10-11 PM	502	0.0	73	0.0	1500	502	0	73	0.47	0	65.5	62.2	43.5	38.8	38.8
11PM-MID	363	0.0	53	0.0	1500	363	0	53	0.46	0	65.7	62.6	44.0	39.1	39.1

"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	0.0399
MAIN ROUTE WITH WORKS	0.0393
DIVERSION	0.0813

PIA: Personal Injury Accidents

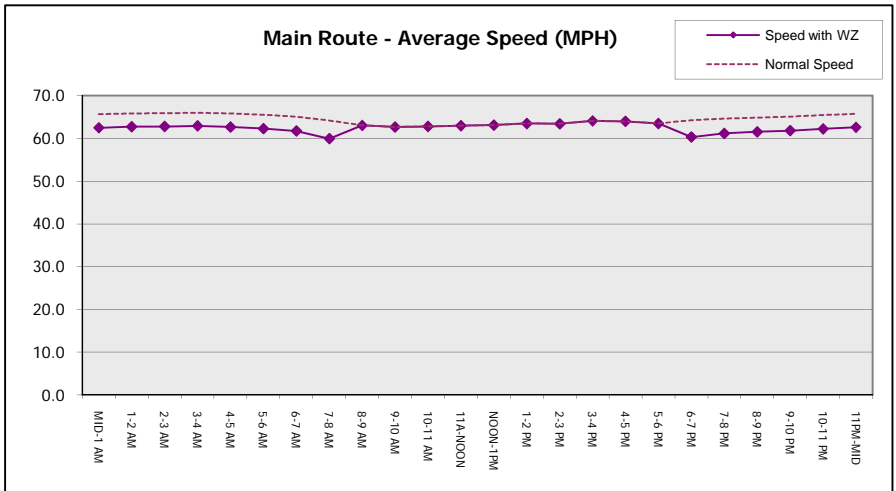
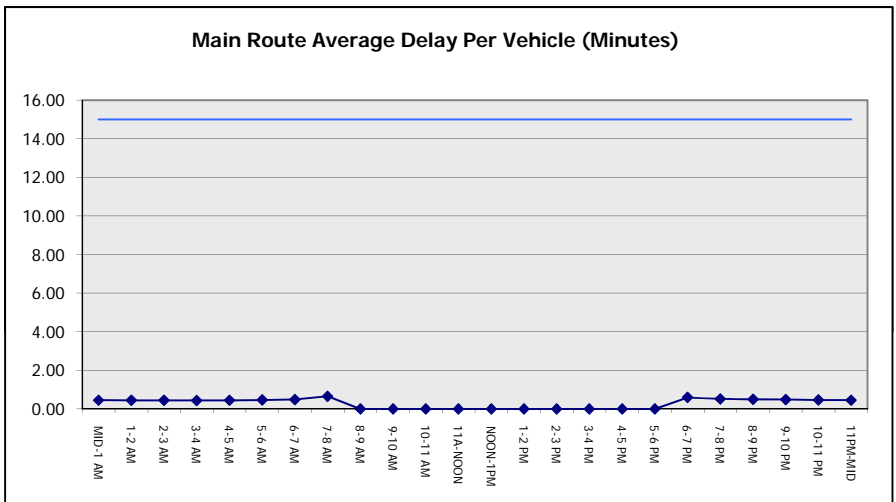
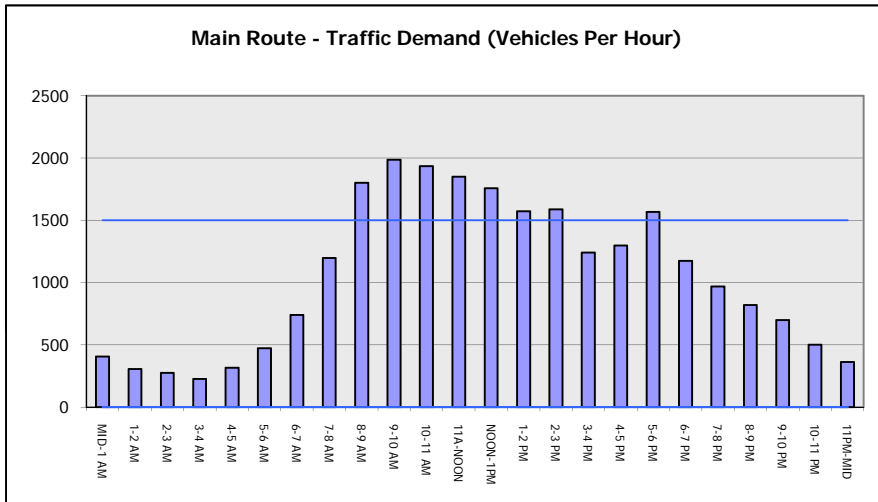
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,045
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90: USH 14 TO STATE LINE (ROCK COUNTY)  
 NIGHTTIME CLOSURE  
 DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - USH 11**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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



<b>IH 39/90: USH 14 TO STATE LINE (ROCK COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - USH 11</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 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	374	0.0	55	0.0	1500	374	0	55	0.46	0	65.7	62.5	44.0	39.1	39.1
1-2 AM	289	0.0	42	0.0	1500	289	0	42	0.45	0	65.8	62.7	44.3	39.2	39.2
2-3 AM	251	0.0	36	0.0	1500	251	0	36	0.45	0	65.9	62.8	44.5	39.3	39.3
3-4 AM	258	0.0	38	0.0	1500	258	0	38	0.45	0	65.9	62.8	44.5	39.2	39.2
4-5 AM	302	0.0	44	0.0	1500	302	0	44	0.45	0	65.8	62.7	44.3	39.2	39.2
5-6 AM	330	0.0	48	0.0	1500	330	0	48	0.45	0	65.8	62.7	44.2	39.1	39.1
6-7 AM	469	0.0	68	0.0	1500	469	0	68	0.47	0	65.5	62.3	43.6	38.9	38.9
7-8 AM	712	0.0	103	0.0	1500	712	0	103	0.49	0	65.1	61.8	42.7	38.4	38.4
8-9 AM	1074	0.0	155	0.0	OFF	1074	0	155	0.00	0	64.4	64.4	64.4	37.8	37.8
9-10 AM	1362	0.0	198	0.0	OFF	1362	0	198	0.00	0	63.8	63.8	63.8	37.3	37.3
10-11 AM	1497	0.0	217	0.0	OFF	1497	0	217	0.00	0	63.6	63.6	63.6	37.1	37.1
11A-NOON	1556	0.0	227	0.0	OFF	1556	0	227	0.00	0	63.5	63.5	63.5	36.9	36.9
NOON-1PM	1616	0.0	235	0.0	OFF	1616	0	235	0.00	0	63.4	63.4	63.4	36.8	36.8
1-2 PM	1598	0.0	232	0.0	OFF	1598	0	232	0.00	0	63.4	63.4	63.4	36.9	36.9
2-3 PM	1657	0.0	241	0.0	OFF	1657	0	241	0.00	0	63.3	63.3	63.3	36.8	36.8
3-4 PM	1848	0.0	269	0.0	OFF	1848	0	269	0.00	0	63.0	63.0	63.0	36.4	36.4
4-5 PM	1804	0.0	263	0.0	OFF	1804	0	263	0.00	0	63.0	63.0	63.0	36.5	36.5
5-6 PM	1643	0.0	239	0.0	OFF	1643	0	239	0.00	0	63.3	63.3	63.3	36.8	36.8
6-7 PM	1514	0.0	220	0.0	1499	1514	0	220	1.79	20	63.6	53.4	30.9	37.0	37.0
7-8 PM	1204	0.0	175	0.0	1500	1204	0	175	0.66	0	64.1	59.9	38.4	37.6	37.6
8-9 PM	961	0.0	140	0.0	1500	961	0	140	0.52	0	64.6	61.2	41.8	38.0	38.0
9-10 PM	780	0.0	113	0.0	1500	780	0	113	0.50	0	65.0	61.6	42.5	38.3	38.3
10-11 PM	616	0.0	90	0.0	1500	616	0	90	0.48	0	65.3	62.0	43.1	38.6	38.6
11PM-MID	457	0.0	67	0.0	1500	457	0	67	0.47	0	65.5	62.3	43.7	38.9	38.9

"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	0.0385
MAIN ROUTE WITH WORKS	0.0379
DIVERSION	0.0785

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,484
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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 DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - USH 11**

**OCTOBER**  
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 Construction Season

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

