

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

**AUGUST**

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	496	0.0	72	0.0	1500	496	0	72	0.47	0	65.5	62.3	43.5	38.9	38.9
1-2 AM	387	0.0	57	0.0	1500	387	0	57	0.46	0	65.6	62.5	44.0	39.1	39.1
2-3 AM	375	0.0	55	0.0	1500	375	0	55	0.46	0	65.7	62.5	44.0	39.1	39.1
3-4 AM	316	0.0	46	0.0	1500	316	0	46	0.45	0	65.8	62.7	44.2	39.2	39.2
4-5 AM	353	0.0	51	0.0	1500	353	0	51	0.46	0	65.7	62.6	44.1	39.1	39.1
5-6 AM	554	0.0	80	0.0	1500	554	0	80	0.48	0	65.3	62.1	43.3	38.8	38.8
6-7 AM	889	0.0	129	0.0	1500	889	0	129	0.51	0	64.7	61.4	42.0	38.1	38.1
7-8 AM	1363	0.0	198	0.0	1499	1363	0	198	0.84	0	63.8	58.6	34.2	37.3	37.3
8-9 AM	1859	0.0	270	0.0	OFF	1859	0	270	0.00	0	62.9	62.9	62.9	36.4	36.4
9-10 AM	2339	0.0	340	0.0	OFF	2339	0	340	0.00	0	62.0	62.0	62.0	35.5	35.5
10-11 AM	2609	0.0	379	0.0	OFF	2609	0	379	0.00	0	59.8	59.8	59.8	35.0	35.0
11A-NOON	2510	0.0	364	0.0	OFF	2510	0	364	0.00	0	60.8	60.8	60.8	35.2	35.2
NOON-1PM	2288	0.0	332	0.0	OFF	2288	0	332	0.00	0	62.1	62.1	62.1	35.6	35.6
1-2 PM	2075	0.0	302	0.0	OFF	2075	0	302	0.00	0	62.5	62.5	62.5	36.0	36.0
2-3 PM	1913	0.0	278	0.0	OFF	1913	0	278	0.00	0	62.8	62.8	62.8	36.3	36.3
3-4 PM	1772	0.0	257	0.0	OFF	1772	0	257	0.00	0	63.1	63.1	63.1	36.6	36.6
4-5 PM	1598	0.0	232	0.0	OFF	1598	0	232	0.00	0	63.4	63.4	63.4	36.9	36.9
5-6 PM	1444	0.0	210	0.0	OFF	1444	0	210	0.00	0	63.7	63.7	63.7	37.1	37.1
6-7 PM	1272	0.0	184	0.0	1500	1272	0	184	0.73	0	64.0	59.4	36.3	37.4	37.4
7-8 PM	1078	0.0	156	0.0	1500	1078	0	156	0.53	0	64.4	60.9	41.4	37.8	37.8
8-9 PM	1004	0.0	146	0.0	1500	1004	0	146	0.52	0	64.5	61.1	41.7	37.9	37.9
9-10 PM	821	0.0	119	0.0	1500	821	0	119	0.50	0	64.8	61.5	42.3	38.3	38.3
10-11 PM	603	0.0	87	0.0	1500	603	0	87	0.48	0	65.3	62.0	43.1	38.7	38.7
11PM-MID	468	0.0	68	0.0	1500	468	0	68	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	0.0483
MAIN ROUTE WITH WORKS	0.0477
DIVERSION	0.0985

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,474
CONGESTED HOURS PER DAY*	0

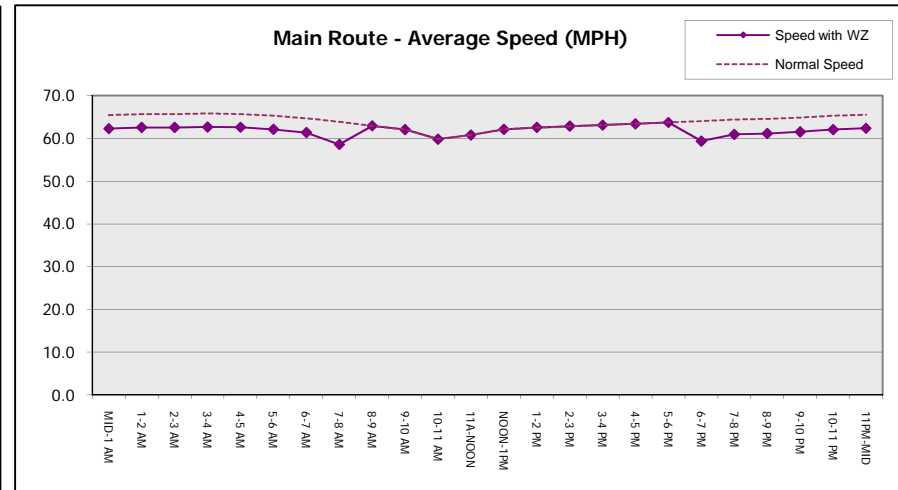
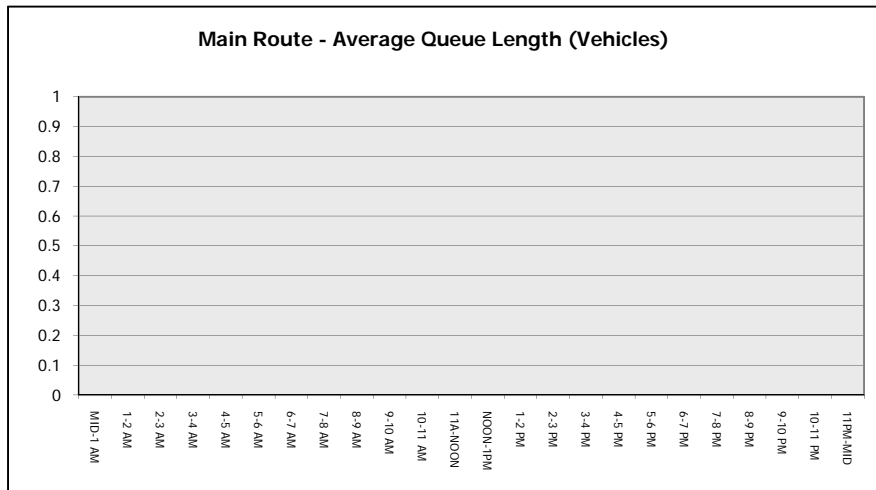
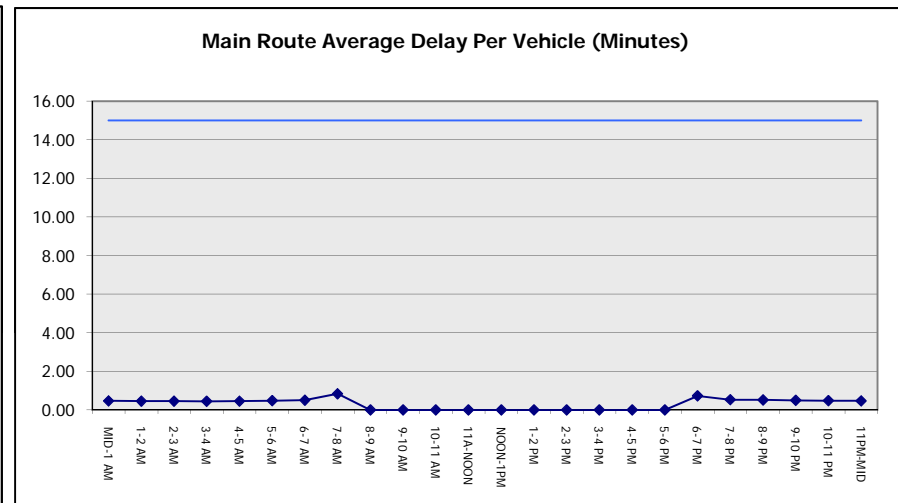
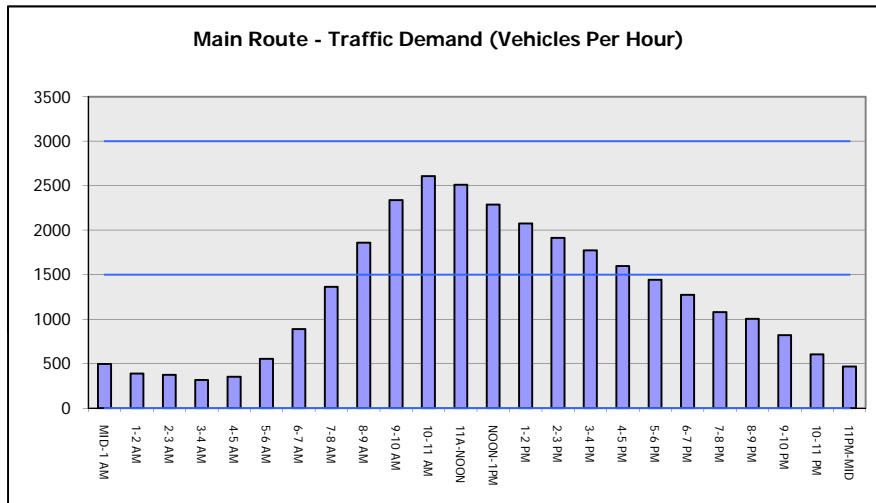
\*Delays Exceeding 15 Minutes

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

**AUGUST**  
 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>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	517	0.0	75	0.0	1500	517	0	75	0.47	0	65.4	62.2	43.5	38.8	38.8
1-2 AM	356	0.0	51	0.0	1500	356	0	51	0.46	0	65.7	62.6	44.1	39.1	39.1
2-3 AM	340	0.0	49	0.0	1500	340	0	49	0.46	0	65.8	62.6	44.2	39.1	39.1
3-4 AM	326	0.0	47	0.0	1500	326	0	47	0.45	0	65.8	62.7	44.2	39.2	39.2
4-5 AM	346	0.0	50	0.0	1500	346	0	50	0.46	0	65.8	62.6	44.1	39.1	39.1
5-6 AM	355	0.0	51	0.0	1500	355	0	51	0.46	0	65.7	62.6	44.1	39.1	39.1
6-7 AM	539	0.0	78	0.0	1500	539	0	78	0.47	0	65.4	62.2	43.3	38.8	38.8
7-8 AM	883	0.0	129	0.0	1500	883	0	129	0.51	0	64.8	61.4	42.1	38.1	38.1
8-9 AM	1230	0.0	179	0.0	OFF	1230	0	179	0.00	0	64.1	64.1	64.1	37.5	37.5
9-10 AM	1600	0.0	233	0.0	OFF	1600	0	233	0.00	0	63.4	63.4	63.4	36.8	36.8
10-11 AM	2021	0.0	293	0.0	OFF	2021	0	293	0.00	0	62.6	62.6	62.6	36.1	36.1
11A-NOON	2239	0.0	325	0.0	OFF	2239	0	325	0.00	0	62.2	62.2	62.2	35.7	35.7
NOON-1PM	2468	0.0	358	0.0	OFF	2468	0	358	0.00	0	61.2	61.2	61.2	35.3	35.3
1-2 PM	2498	0.0	363	0.0	OFF	2498	0	363	0.00	0	60.9	60.9	60.9	35.2	35.2
2-3 PM	2355	0.0	342	0.0	OFF	2355	0	342	0.00	0	62.0	62.0	62.0	35.5	35.5
3-4 PM	2371	0.0	344	0.0	OFF	2371	0	344	0.00	0	62.0	62.0	62.0	35.5	35.5
4-5 PM	2155	0.0	313	0.0	OFF	2155	0	313	0.00	0	62.3	62.3	62.3	35.8	35.8
5-6 PM	2062	0.0	300	0.0	OFF	2062	0	300	0.00	0	62.5	62.5	62.5	36.0	36.0
6-7 PM	1692	0.0	246	0.0	1499	1692	0	246	5.08	116	63.2	41.2	30.8	36.7	36.7
7-8 PM	1425	0.0	207	0.0	1499	1425	0	207	7.23	168	63.7	36.0	30.8	37.2	37.2
8-9 PM	1262	0.0	183	0.0	1499	1262	0	183	1.91	35	64.0	53.2	35.3	37.4	37.4
9-10 PM	1071	0.0	155	0.0	1500	1071	0	155	0.53	0	64.4	60.9	41.4	37.8	37.8
10-11 PM	849	0.0	124	0.0	1500	849	0	124	0.50	0	64.8	61.5	42.2	38.2	38.2
11PM-MID	599	0.0	87	0.0	1500	599	0	87	0.48	0	65.3	62.0	43.2	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	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	0.0502
MAIN ROUTE WITH WORKS	0.0495
DIVERSION	0.1023

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$6,294
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**

**AUGUST**  
Analyzed for 2009  
Construction Season

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

