

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

FRIDAY 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	546	0.0	79	0.0	1500	546	0	79	0.48	0	65.4	62.2	43.3	38.8	38.8
1-2 AM	452	0.0	66	0.0	1500	452	0	66	0.47	0	65.5	62.3	43.7	38.9	38.9
2-3 AM	389	0.0	57	0.0	1500	389	0	57	0.46	0	65.6	62.5	43.9	39.1	39.1
3-4 AM	382	0.0	56	0.0	1500	382	0	56	0.46	0	65.7	62.5	44.0	39.1	39.1
4-5 AM	490	0.0	71	0.0	1500	490	0	71	0.47	0	65.5	62.3	43.5	38.9	38.9
5-6 AM	930	0.0	135	0.0	OFF	930	0	135	0.00	0	64.6	64.6	64.6	38.1	38.1
6-7 AM	1408	0.0	205	0.0	OFF	1408	0	205	0.00	0	63.8	63.8	63.8	37.2	37.2
7-8 AM	1701	0.0	247	0.0	OFF	1701	0	247	0.00	0	63.2	63.2	63.2	36.7	36.7
8-9 AM	1736	0.0	252	0.0	OFF	1736	0	252	0.00	0	63.2	63.2	63.2	36.6	36.6
9-10 AM	1908	0.0	277	0.0	OFF	1908	0	277	0.00	0	62.8	62.8	62.8	36.3	36.3
10-11 AM	2216	0.0	322	0.0	OFF	2216	0	322	0.00	0	62.3	62.3	62.3	35.8	35.8
11A-NOON	2400	0.0	349	0.0	OFF	2400	0	349	0.00	0	61.9	61.9	61.9	35.4	35.4
NOON-1PM	2494	0.0	362	0.0	OFF	2494	0	362	0.00	0	60.9	60.9	60.9	35.3	35.3
1-2 PM	2533	0.0	367	0.0	OFF	2533	0	367	0.00	0	60.5	60.5	60.5	35.2	35.2
2-3 PM	2722	0.0	395	0.0	OFF	2722	0	395	0.00	0	58.6	58.6	58.6	34.8	34.8
3-4 PM	2958	0.0	429	0.0	OFF	2958	0	429	0.00	0	56.2	56.2	56.2	34.4	34.4
4-5 PM	2867	0.0	417	0.0	OFF	2867	0	417	0.00	0	57.1	57.1	57.1	34.6	34.6
5-6 PM	2764	0.0	401	0.0	OFF	2764	0	401	0.00	0	58.2	58.2	58.2	34.8	34.8
6-7 PM	2547	0.0	370	0.0	OFF	2547	0	370	0.00	0	60.4	60.4	60.4	35.1	35.1
7-8 PM	2216	0.0	322	0.0	1499	2181	35	357	12.77	368	62.3	26.8	30.8	35.8	35.3
8-9 PM	2068	0.0	301	0.0	1499	1577	491	791	28.50	745	62.5	15.7	30.8	36.0	29.9
9-10 PM	1827	0.0	266	0.0	1499	1388	440	705	27.25	711	63.0	16.3	30.8	36.5	31.0
10-11 PM	1320	0.0	191	0.0	1499	1243	77	268	20.48	529	63.9	20.1	30.8	37.4	36.4
11PM-MID	744	0.0	108	0.0	1499	744	0	108	3.41	114	65.0	47.4	41.2	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 (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	0.0662
MAIN ROUTE WITH WORKS	0.0639
DIVERSION	0.1582

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$43,825
CONGESTED HOURS PER DAY*	3

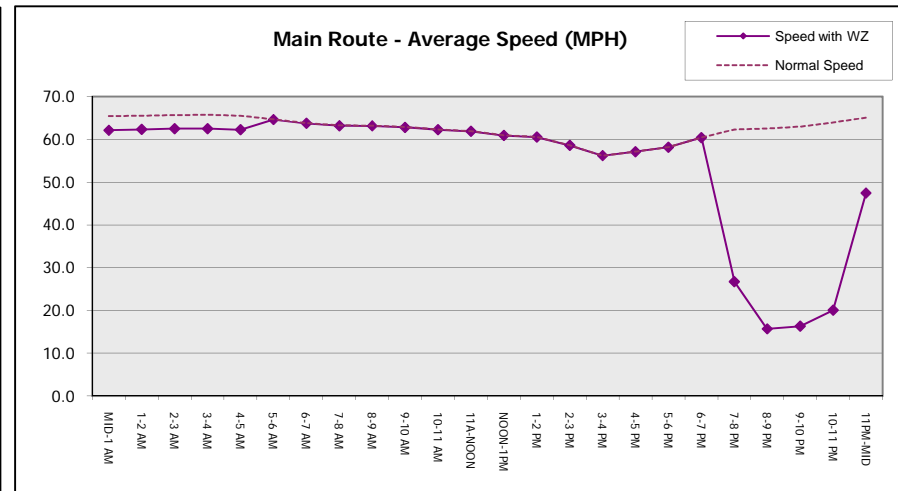
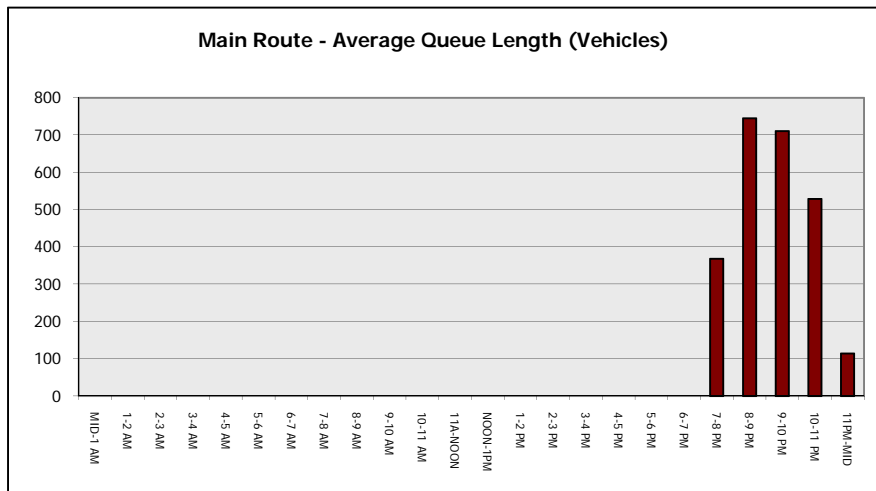
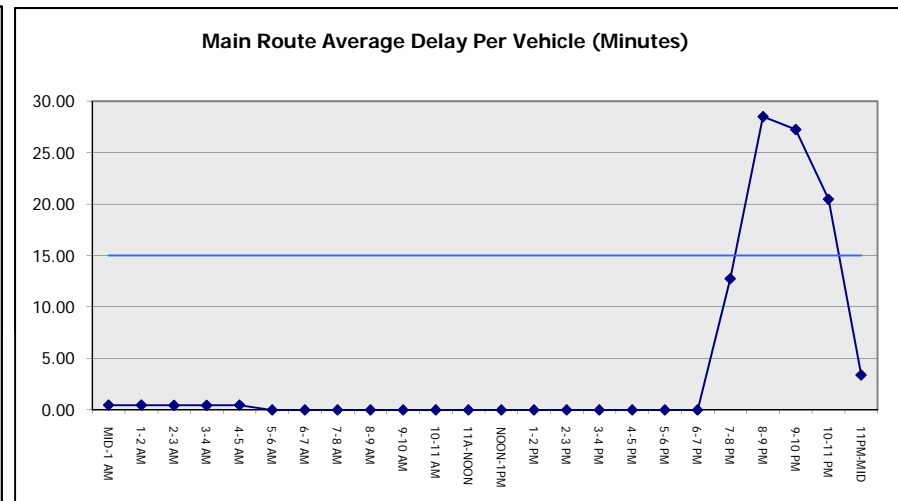
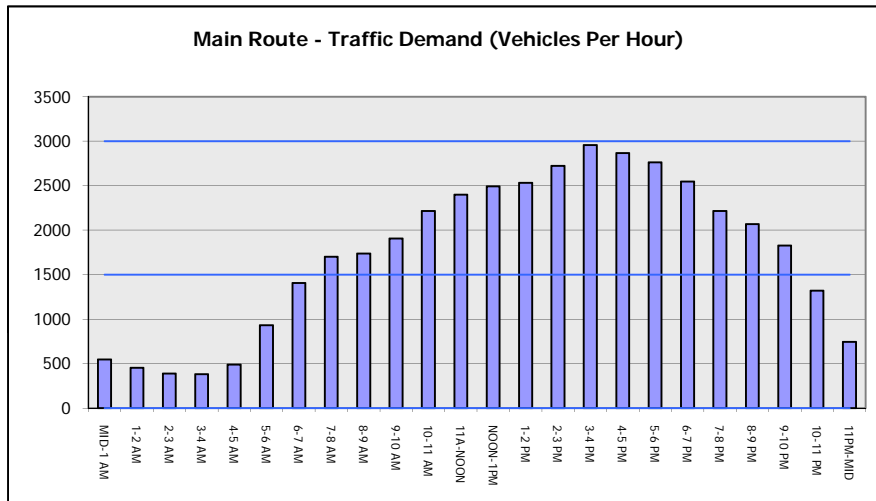
*Delays Exceeding 15 Minutes

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

AUGUST
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



IH 39/90: USH 14 TO STATE LINE (ROCK COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - USH 11	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT	
FRIDAY	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	478	0.0	69	0.0	1500	478	0	69	0.47	0	65.5	62.3	43.6	38.9	38.9
1-2 AM	388	0.0	57	0.0	1500	388	0	57	0.46	0	65.6	62.5	44.0	39.1	39.1
2-3 AM	390	0.0	57	0.0	1500	390	0	57	0.46	0	65.6	62.5	43.9	39.1	39.1
3-4 AM	442	0.0	64	0.0	1500	442	0	64	0.47	0	65.6	62.4	43.7	38.9	38.9
4-5 AM	466	0.0	68	0.0	1500	466	0	68	0.47	0	65.5	62.3	43.7	38.9	38.9
5-6 AM	571	0.0	83	0.0	OFF	571	0	83	0.00	0	65.3	65.3	65.3	38.7	38.7
6-7 AM	786	0.0	114	0.0	OFF	786	0	114	0.00	0	64.9	64.9	64.9	38.3	38.3
7-8 AM	1193	0.0	173	0.0	OFF	1193	0	173	0.00	0	64.1	64.1	64.1	37.6	37.6
8-9 AM	1359	0.0	198	0.0	OFF	1359	0	198	0.00	0	63.8	63.8	63.8	37.3	37.3
9-10 AM	1596	0.0	232	0.0	OFF	1596	0	232	0.00	0	63.4	63.4	63.4	36.9	36.9
10-11 AM	1793	0.0	260	0.0	OFF	1793	0	260	0.00	0	63.0	63.0	63.0	36.5	36.5
11A-NOON	1988	0.0	288	0.0	OFF	1988	0	288	0.00	0	62.7	62.7	62.7	36.1	36.1
NOON-1PM	2103	0.0	306	0.0	OFF	2103	0	306	0.00	0	62.5	62.5	62.5	36.0	36.0
1-2 PM	2295	0.0	333	0.0	OFF	2295	0	333	0.00	0	62.1	62.1	62.1	35.6	35.6
2-3 PM	2410	0.0	350	0.0	OFF	2410	0	350	0.00	0	61.8	61.8	61.8	35.4	35.4
3-4 PM	2473	0.0	359	0.0	OFF	2473	0	359	0.00	0	61.2	61.2	61.2	35.3	35.3
4-5 PM	2520	0.0	366	0.0	OFF	2520	0	366	0.00	0	60.7	60.7	60.7	35.2	35.2
5-6 PM	2420	0.0	352	0.0	OFF	2420	0	352	0.00	0	61.7	61.7	61.7	35.4	35.4
6-7 PM	1954	0.0	284	0.0	OFF	1954	0	284	0.00	0	62.7	62.7	62.7	36.2	36.2
7-8 PM	1744	0.0	253	0.0	1499	1744	0	253	5.82	139	63.2	39.1	30.8	36.6	36.6
8-9 PM	1393	0.0	202	0.0	1499	1393	0	202	8.67	207	63.8	33.2	30.8	37.3	37.3
9-10 PM	1188	0.0	173	0.0	1499	1188	0	173	1.81	35	64.1	53.8	37.3	37.6	37.6
10-11 PM	1002	0.0	145	0.0	1500	1002	0	145	0.52	0	64.5	61.1	41.7	37.9	37.9
11PM-MID	715	0.0	104	0.0	1500	715	0	104	0.49	0	65.1	61.7	42.7	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	0.0536
MAIN ROUTE WITH WORKS	0.0530
DIVERSION	0.1092

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$6,864
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
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

