

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

MON-THUR 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	313	0.0	45	0.0	1500	313	0	45	0.45	0	65.8	62.7	44.2	39.2	39.2
2-3 AM	326	0.0	47	0.0	1500	326	0	47	0.45	0	65.8	62.7	44.2	39.2	39.2
3-4 AM	318	0.0	46	0.0	1500	318	0	46	0.45	0	65.8	62.7	44.2	39.2	39.2
4-5 AM	500	0.0	73	0.0	1500	500	0	73	0.47	0	65.5	62.2	43.5	38.8	38.8
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	1371	0.0	200	0.0	OFF	1371	0	200	0.00	0	63.8	63.8	63.8	37.3	37.3
7-8 AM	1504	0.0	218	0.0	OFF	1504	0	218	0.00	0	63.6	63.6	63.6	37.0	37.0
8-9 AM	1381	0.0	201	0.0	OFF	1381	0	201	0.00	0	63.8	63.8	63.8	37.3	37.3
9-10 AM	1449	0.0	211	0.0	OFF	1449	0	211	0.00	0	63.7	63.7	63.7	37.1	37.1
10-11 AM	1646	0.0	239	0.0	OFF	1646	0	239	0.00	0	63.3	63.3	63.3	36.8	36.8
11A-NOON	1704	0.0	247	0.0	OFF	1704	0	247	0.00	0	63.2	63.2	63.2	36.7	36.7
NOON-1PM	1736	0.0	252	0.0	OFF	1736	0	252	0.00	0	63.2	63.2	63.2	36.6	36.6
1-2 PM	1739	0.0	252	0.0	OFF	1739	0	252	0.00	0	63.2	63.2	63.2	36.6	36.6
2-3 PM	1853	0.0	269	0.0	OFF	1853	0	269	0.00	0	62.9	62.9	62.9	36.4	36.4
3-4 PM	1850	0.0	269	0.0	OFF	1850	0	269	0.00	0	63.0	63.0	63.0	36.4	36.4
4-5 PM	1792	0.0	260	0.0	OFF	1792	0	260	0.00	0	63.0	63.0	63.0	36.5	36.5
5-6 PM	1562	0.0	226	0.0	OFF	1562	0	226	0.00	0	63.5	63.5	63.5	36.9	36.9
6-7 PM	1251	0.0	182	0.0	OFF	1251	0	182	0.00	0	64.0	64.0	64.0	37.5	37.5
7-8 PM	1084	0.0	157	0.0	1500	1084	0	157	0.53	0	64.3	60.9	41.4	37.8	37.8
8-9 PM	957	0.0	139	0.0	1500	957	0	139	0.51	0	64.6	61.2	41.9	38.0	38.0
9-10 PM	817	0.0	118	0.0	1500	817	0	118	0.50	0	64.8	61.5	42.4	38.3	38.3
10-11 PM	671	0.0	98	0.0	1500	671	0	98	0.49	0	65.1	61.9	42.8	38.5	38.5
11PM-MID	475	0.0	69	0.0	1500	475	0	69	0.47	0	65.5	62.3	43.6	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	0.0440
MAIN ROUTE WITH WORKS	0.0436
DIVERSION	0.0896

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$589
CONGESTED HOURS PER DAY*	0

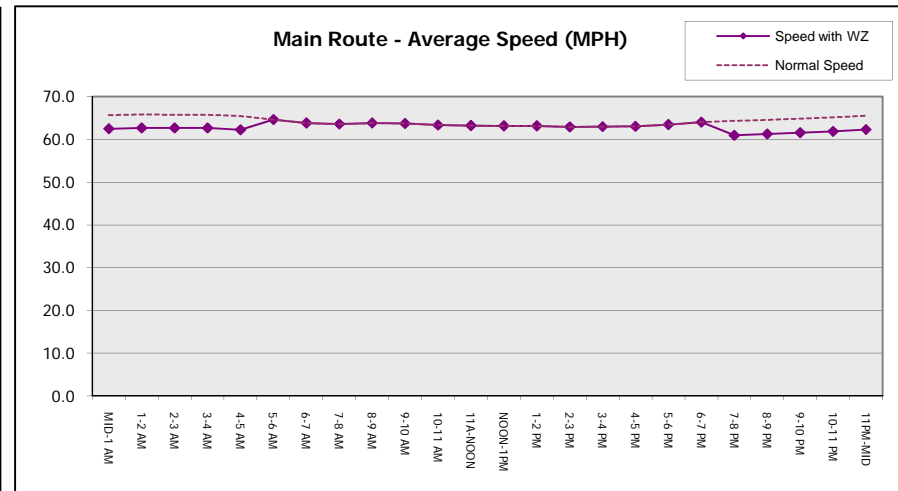
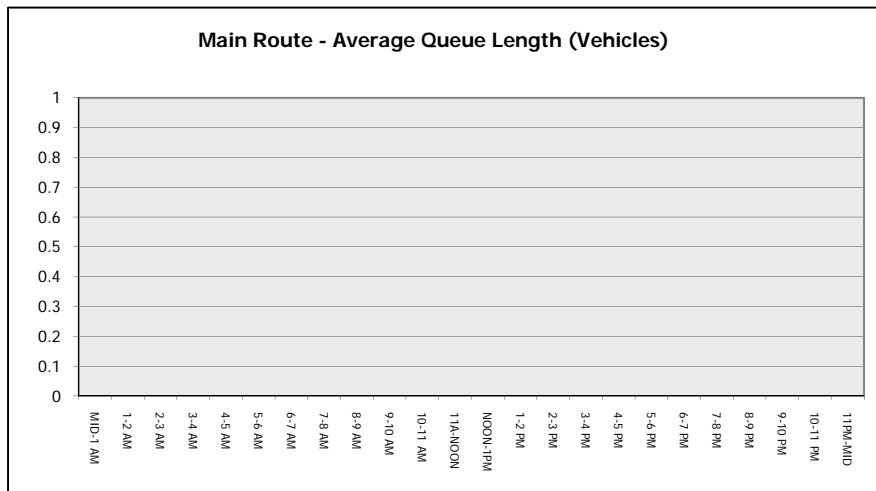
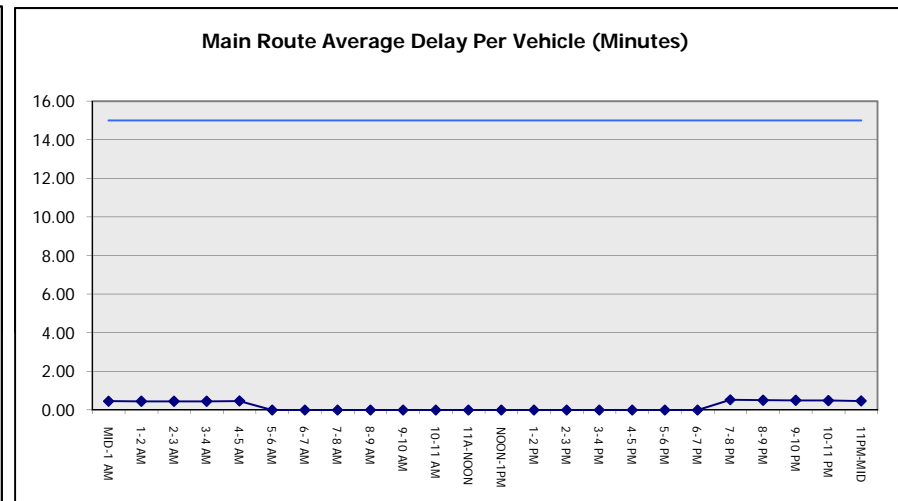
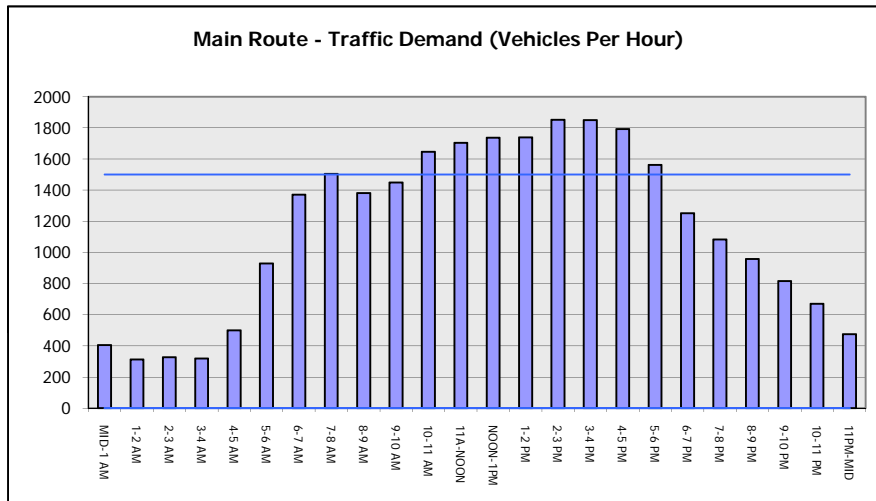
*Delays Exceeding 15 Minutes

**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

MON-THUR 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

MON-THUR 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	398	0.0	58	0.0	1500	398	0	58	0.46	0	65.6	62.5	43.9	39.0	39.0
1-2 AM	323	0.0	47	0.0	1500	323	0	47	0.45	0	65.8	62.7	44.2	39.2	39.2
2-3 AM	341	0.0	49	0.0	1500	341	0	49	0.46	0	65.8	62.6	44.2	39.1	39.1
3-4 AM	392	0.0	57	0.0	1500	392	0	57	0.46	0	65.6	62.5	43.9	39.1	39.1
4-5 AM	486	0.0	71	0.0	1500	486	0	71	0.47	0	65.5	62.3	43.5	38.9	38.9
5-6 AM	638	0.0	93	0.0	OFF	638	0	93	0.00	0	65.2	65.2	65.2	38.6	38.6
6-7 AM	934	0.0	136	0.0	OFF	934	0	136	0.00	0	64.6	64.6	64.6	38.1	38.1
7-8 AM	1259	0.0	183	0.0	OFF	1259	0	183	0.00	0	64.0	64.0	64.0	37.4	37.4
8-9 AM	1340	0.0	195	0.0	OFF	1340	0	195	0.00	0	63.9	63.9	63.9	37.3	37.3
9-10 AM	1478	0.0	215	0.0	OFF	1478	0	215	0.00	0	63.7	63.7	63.7	37.1	37.1
10-11 AM	1632	0.0	237	0.0	OFF	1632	0	237	0.00	0	63.3	63.3	63.3	36.8	36.8
11A-NOON	1778	0.0	258	0.0	OFF	1778	0	258	0.00	0	63.1	63.1	63.1	36.5	36.5
NOON-1PM	1825	0.0	266	0.0	OFF	1825	0	266	0.00	0	63.0	63.0	63.0	36.5	36.5
1-2 PM	1901	0.0	276	0.0	OFF	1901	0	276	0.00	0	62.8	62.8	62.8	36.3	36.3
2-3 PM	2052	0.0	299	0.0	OFF	2052	0	299	0.00	0	62.5	62.5	62.5	36.0	36.0
3-4 PM	2207	0.0	320	0.0	OFF	2207	0	320	0.00	0	62.3	62.3	62.3	35.8	35.8
4-5 PM	2243	0.0	326	0.0	OFF	2243	0	326	0.00	0	62.2	62.2	62.2	35.7	35.7
5-6 PM	2073	0.0	302	0.0	OFF	2073	0	302	0.00	0	62.5	62.5	62.5	36.0	36.0
6-7 PM	1602	0.0	233	0.0	OFF	1602	0	233	0.00	0	63.4	63.4	63.4	36.8	36.8
7-8 PM	1296	0.0	188	0.0	1500	1296	0	188	0.76	0	64.0	59.2	35.6	37.4	37.4
8-9 PM	1129	0.0	164	0.0	1500	1129	0	164	0.55	0	64.3	60.7	40.9	37.7	37.7
9-10 PM	939	0.0	136	0.0	1500	939	0	136	0.51	0	64.6	61.2	41.9	38.1	38.1
10-11 PM	718	0.0	104	0.0	1500	718	0	104	0.49	0	65.0	61.7	42.7	38.4	38.4
11PM-MID	484	0.0	70	0.0	1500	484	0	70	0.47	0	65.5	62.3	43.6	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	0.0469
MAIN ROUTE WITH WORKS	0.0465
DIVERSION	0.0956

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$729
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
MON-THUR EASTBOUND DIRECTION

