

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

SUNDAY 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	324	0.0	47	0.0	1500	324	0	47	0.45	0	65.8	62.7	44.2	39.2	39.2
1-2 AM	210	0.0	31	0.0	1500	210	0	31	0.44	0	66.0	62.9	44.6	39.4	39.4
2-3 AM	195	0.0	28	0.0	1500	195	0	28	0.44	0	66.0	63.0	44.7	39.4	39.4
3-4 AM	151	0.0	22	0.0	1500	151	0	22	0.44	0	66.1	63.1	44.9	39.5	39.5
4-5 AM	174	0.0	25	0.0	1500	174	0	25	0.44	0	66.1	63.0	44.8	39.4	39.4
5-6 AM	246	0.0	36	0.0	1500	246	0	36	0.45	0	66.0	62.8	44.5	39.3	39.3
6-7 AM	388	0.0	57	0.0	1500	388	0	57	0.46	0	65.6	62.5	44.0	39.1	39.1
7-8 AM	681	0.0	99	0.0	1500	681	0	99	0.49	0	65.1	61.9	42.8	38.5	38.5
8-9 AM	1071	0.0	155	0.0	1499	1071	0	155	0.57	0	64.4	60.7	40.4	37.8	37.8
9-10 AM	1594	0.0	232	0.0	OFF	1594	0	232	0.00	0	63.4	63.4	63.4	36.9	36.9
10-11 AM	2009	0.0	292	0.0	OFF	2009	0	292	0.00	0	62.7	62.7	62.7	36.1	36.1
11A-NOON	2243	0.0	326	0.0	OFF	2243	0	326	0.00	0	62.2	62.2	62.2	35.7	35.7
NOON-1PM	2374	0.0	345	0.0	OFF	2374	0	345	0.00	0	62.0	62.0	62.0	35.5	35.5
1-2 PM	2358	0.0	343	0.0	OFF	2358	0	343	0.00	0	62.0	62.0	62.0	35.5	35.5
2-3 PM	2314	0.0	337	0.0	OFF	2314	0	337	0.00	0	62.1	62.1	62.1	35.6	35.6
3-4 PM	2060	0.0	300	0.0	OFF	2060	0	300	0.00	0	62.5	62.5	62.5	36.0	36.0
4-5 PM	1954	0.0	284	0.0	OFF	1954	0	284	0.00	0	62.7	62.7	62.7	36.2	36.2
5-6 PM	1694	0.0	246	0.0	OFF	1694	0	246	0.00	0	63.2	63.2	63.2	36.7	36.7
6-7 PM	1459	0.0	212	0.0	OFF	1459	0	212	0.00	0	63.7	63.7	63.7	37.1	37.1
7-8 PM	1458	0.0	212	0.0	1500	1458	0	212	0.97	0	63.7	57.8	31.7	37.1	37.1
8-9 PM	1203	0.0	175	0.0	1500	1203	0	175	0.64	0	64.1	60.1	38.3	37.6	37.6
9-10 PM	912	0.0	133	0.0	1500	912	0	133	0.51	0	64.7	61.3	42.0	38.1	38.1
10-11 PM	705	0.0	102	0.0	1500	705	0	102	0.49	0	65.1	61.8	42.7	38.5	38.5
11PM-MID	521	0.0	75	0.0	1500	521	0	75	0.47	0	65.4	62.2	43.4	38.8	38.8

"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	0.0450
MAIN ROUTE WITH WORKS	0.0445
DIVERSION	0.0918

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,473
CONGESTED HOURS PER DAY*	0

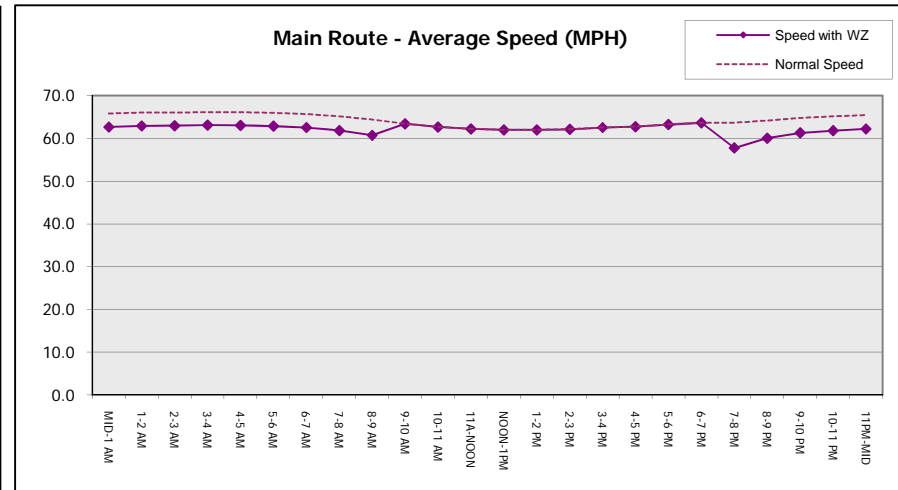
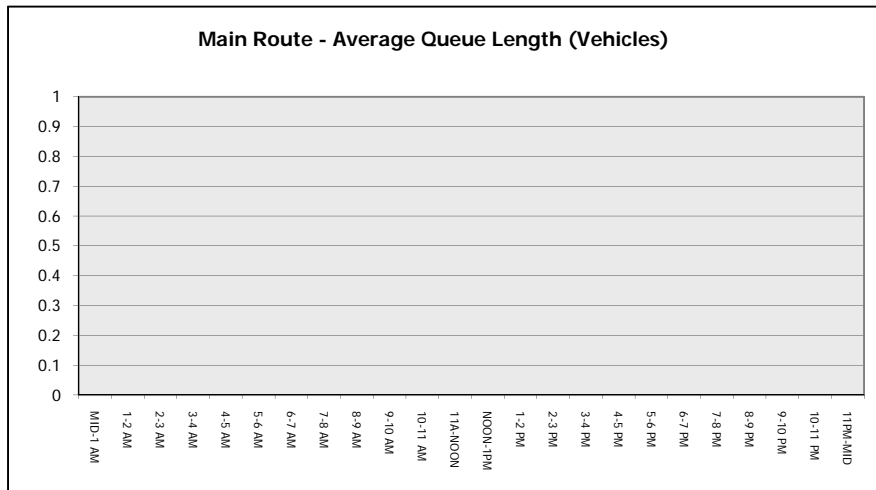
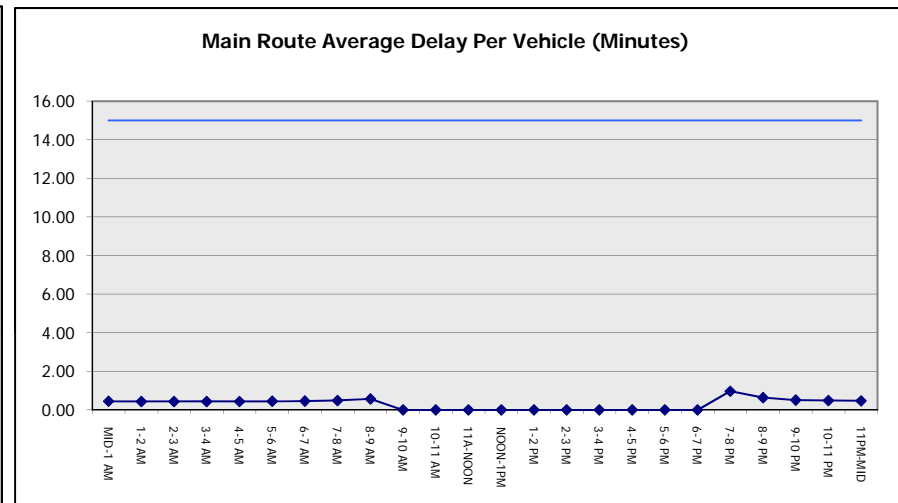
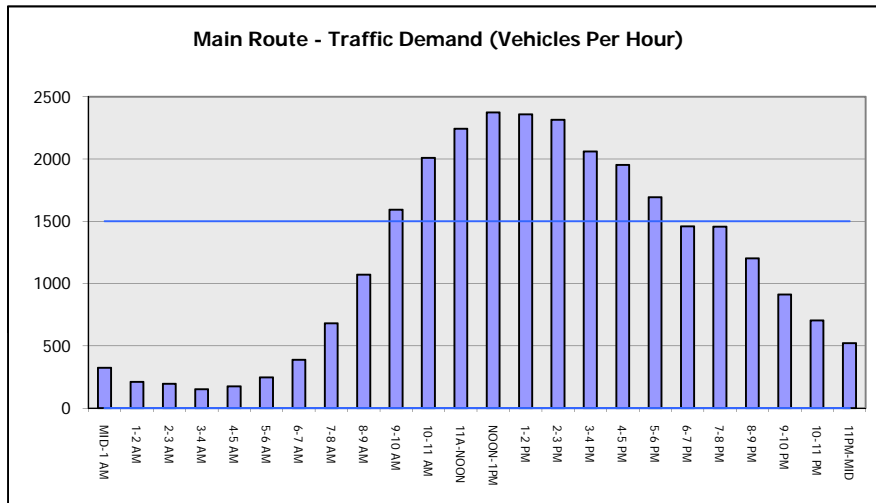
*Delays Exceeding 15 Minutes

**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

SUNDAY 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	
SUNDAY	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	392	0.0	57	0.0	1500	392	0	57	0.46	0	65.6	62.5	43.9	39.1	39.1
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	271	0.0	39	0.0	1500	271	0	39	0.45	0	65.9	62.8	44.4	39.2	39.2
3-4 AM	212	0.0	31	0.0	1500	212	0	31	0.44	0	66.0	62.9	44.6	39.4	39.4
4-5 AM	190	0.0	28	0.0	1500	190	0	28	0.44	0	66.0	63.0	44.7	39.4	39.4
5-6 AM	219	0.0	32	0.0	1500	219	0	32	0.44	0	66.0	62.9	44.6	39.4	39.4
6-7 AM	398	0.0	58	0.0	1500	398	0	58	0.46	0	65.6	62.5	43.9	39.0	39.0
7-8 AM	668	0.0	97	0.0	1500	668	0	97	0.49	0	65.1	61.9	42.8	38.6	38.6
8-9 AM	1065	0.0	154	0.0	1499	1065	0	154	0.57	0	64.4	60.7	40.3	37.8	37.8
9-10 AM	1663	0.0	242	0.0	OFF	1663	0	242	0.00	0	63.3	63.3	63.3	36.8	36.8
10-11 AM	2395	0.0	348	0.0	OFF	2395	0	348	0.00	0	61.9	61.9	61.9	35.4	35.4
11A-NOON	2913	0.0	423	0.0	OFF	2913	0	423	0.00	0	56.6	56.6	56.6	34.5	34.5
NOON-1PM	3072	0.0	447	0.0	OFF	3072	0	447	0.00	0	55.0	55.0	55.0	34.2	34.2
1-2 PM	3199	0.0	465	0.0	OFF	3199	0	465	0.00	0	53.7	53.7	53.7	34.0	34.0
2-3 PM	3252	0.0	472	0.0	OFF	3252	0	472	0.00	0	53.2	53.2	53.2	33.9	33.9
3-4 PM	3349	0.0	486	0.0	OFF	3349	0	486	0.00	0	52.2	52.2	52.2	33.7	33.7
4-5 PM	3086	0.0	449	0.0	OFF	3086	0	449	0.00	0	54.9	54.9	54.9	34.2	34.2
5-6 PM	3078	0.0	447	0.0	OFF	3078	0	447	0.00	0	55.0	55.0	55.0	34.2	34.2
6-7 PM	2893	0.0	420	0.0	OFF	2893	0	420	0.00	0	56.9	56.9	56.9	34.5	34.5
7-8 PM	2527	0.0	367	0.0	1499	2343	184	551	17.02	500	60.6	22.3	30.8	35.2	32.9
8-9 PM	2085	0.0	303	0.0	1500	1417	668	970	31.56	828	62.5	14.6	30.8	36.0	27.7
9-10 PM	1476	0.0	214	0.0	1500	1237	239	453	23.83	620	63.7	18.0	30.8	37.1	34.1
10-11 PM	897	0.0	131	0.0	1499	897	0	131	7.05	229	64.7	36.8	37.0	38.1	38.1
11PM-MID	623	0.0	91	0.0	1500	623	0	91	0.48	0	65.2	62.0	43.0	38.6	38.6

"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	0.0640
MAIN ROUTE WITH WORKS	0.0616
DIVERSION	0.1548

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$45,463
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

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 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
SUNDAY EASTBOUND DIRECTION

