

IH 39/90: USH 14 TO STH 11 (ROCK COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 11 - USH 14	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	370	0.0	60	0.0	OFF	370	0	60	0.00	0	65.7	65.7	65.7	39.0	39.0
1-2 AM	240	0.0	39	0.0	OFF	240	0	39	0.00	0	66.0	66.0	66.0	39.2	39.2
2-3 AM	221	0.0	36	0.0	OFF	221	0	36	0.00	0	66.0	66.0	66.0	39.3	39.3
3-4 AM	173	0.0	28	0.0	OFF	173	0	28	0.00	0	66.1	66.1	66.1	39.4	39.4
4-5 AM	198	0.0	32	0.0	OFF	198	0	32	0.00	0	66.0	66.0	66.0	39.4	39.4
5-6 AM	280	0.0	45	0.0	OFF	280	0	45	0.00	0	65.9	65.9	65.9	39.2	39.2
6-7 AM	442	0.0	71	0.0	OFF	442	0	71	0.00	0	65.6	65.6	65.6	38.9	38.9
7-8 AM	776	0.0	126	0.0	OFF	776	0	126	0.00	0	65.0	65.0	65.0	38.2	38.2
8-9 AM	1219	0.0	197	0.0	OFF	1219	0	197	0.00	0	64.1	64.1	64.1	37.3	37.3
9-10 AM	1815	0.0	293	0.0	1499	1781	34	327	4.44	116	63.0	25.2	30.8	36.1	35.7
10-11 AM	2289	0.0	371	0.0	1499	1554	736	1106	12.22	304	62.1	12.2	30.8	35.1	26.0
11A-NOON	2555	0.0	413	0.0	1500	1568	987	1400+	14.67	373	60.3	10.8	30.8	34.6	22.5
NOON-1PM	2703	0.0	438	0.0	1499	1549	1155	1592+	16.81	432	58.8	10.1	30.8	34.3	20.4
1-2 PM	2686	0.0	434	0.0	1499	1490	1196	1631+	17.34	446	59.0	9.9	30.8	34.3	20.0
2-3 PM	2635	0.0	426	0.0	1500	1471	1164	1590+	16.82	432	59.5	10.1	30.8	34.5	20.4
3-4 PM	2346	0.0	380	0.0	1499	1406	940	1320+	13.99	352	62.0	11.1	30.8	35.0	23.5
4-5 PM	2226	0.0	360	0.0	1500	1471	755	1115	12.29	305	62.2	12.2	30.8	35.3	25.9
5-6 PM	1929	0.0	312	0.0	1499	1442	487	799	10.31	252	62.8	14.0	30.8	35.9	29.8
6-7 PM	1661	0.0	269	0.0	1500	1468	194	462	8.70	207	63.3	16.0	30.8	36.4	34.0
7-8 PM	1660	0.0	269	0.0	OFF	1660	0	269	0.14	8	63.3	60.3	60.3	36.4	36.4
8-9 PM	1370	0.0	221	0.0	OFF	1370	0	221	0.00	0	63.8	63.8	63.8	37.0	37.0
9-10 PM	1039	0.0	168	0.0	OFF	1039	0	168	0.00	0	64.5	64.5	64.5	37.6	37.6
10-11 PM	803	0.0	130	0.0	OFF	803	0	130	0.00	0	64.9	64.9	64.9	38.1	38.1
11PM-MID	593	0.0	96	0.0	OFF	593	0	96	0.00	0	65.3	65.3	65.3	38.6	38.6

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0159
MAIN ROUTE WITH WORKS	0.0111
DIVERSION	0.0997

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$100,197
CONGESTED HOURS PER DAY*	3

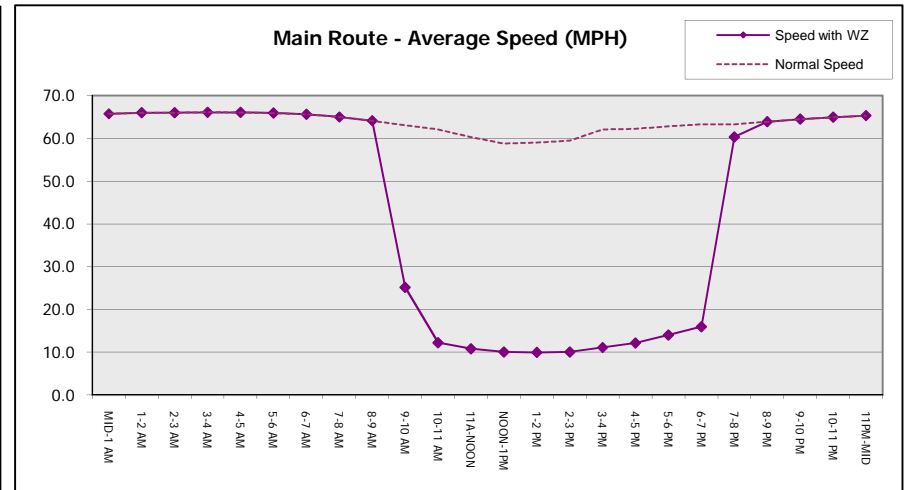
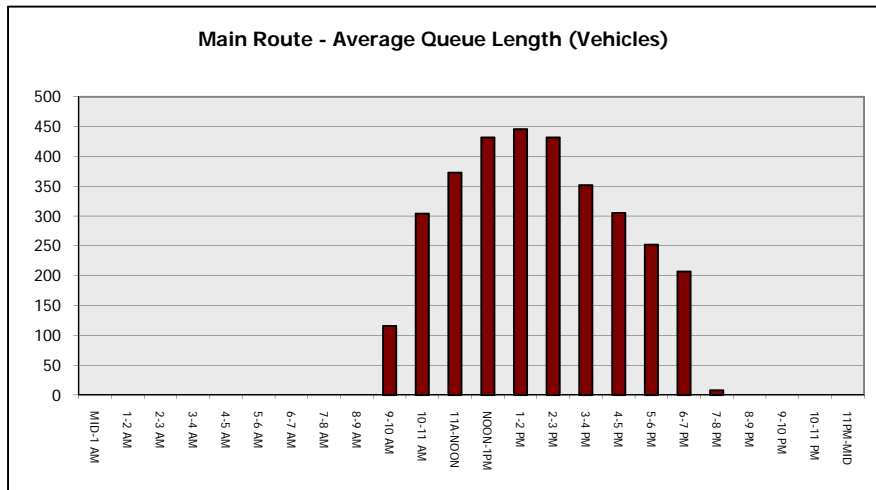
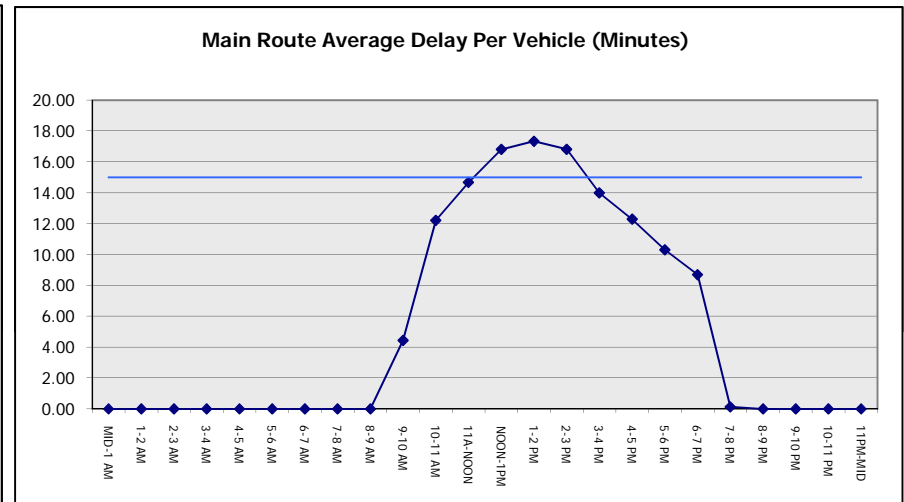
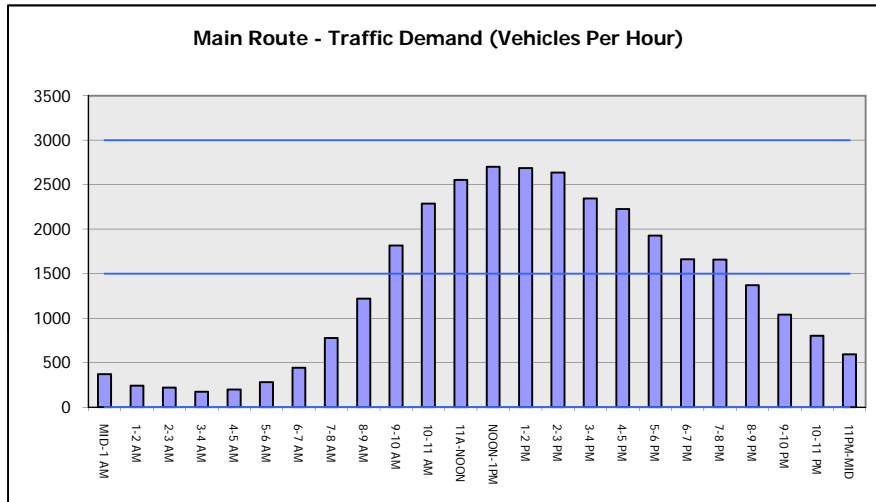
*Delays Exceeding 15 Minutes

IH 39/90: USH 14 TO STH 11 (ROCK COUNTY)
OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 11 - USH 14

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION



IH 39/90: USH 14 TO STH 11 (ROCK COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: STH 11 - USH 14	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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		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	447	0.0	72	0.0	OFF	447	0	72	0.00	0	65.6	65.6	65.6	38.9	38.9
1-2 AM	357	0.0	58	0.0	OFF	357	0	58	0.00	0	65.7	65.7	65.7	39.0	39.0
2-3 AM	309	0.0	49	0.0	OFF	309	0	49	0.00	0	65.8	65.8	65.8	39.1	39.1
3-4 AM	242	0.0	39	0.0	OFF	242	0	39	0.00	0	66.0	66.0	66.0	39.2	39.2
4-5 AM	216	0.0	35	0.0	OFF	216	0	35	0.00	0	66.0	66.0	66.0	39.3	39.3
5-6 AM	249	0.0	40	0.0	OFF	249	0	40	0.00	0	66.0	66.0	66.0	39.2	39.2
6-7 AM	454	0.0	73	0.0	OFF	454	0	73	0.00	0	65.5	65.5	65.5	38.8	38.8
7-8 AM	761	0.0	124	0.0	OFF	761	0	124	0.00	0	65.0	65.0	65.0	38.2	38.2
8-9 AM	1213	0.0	197	0.0	OFF	1213	0	197	0.00	0	64.1	64.1	64.1	37.3	37.3
9-10 AM	1893	0.0	306	0.0	1499	1796	97	402	4.77	128	62.8	24.0	30.8	36.0	34.8
10-11 AM	2728	0.0	441	0.0	1499	1694	1034	1474+	15.32	396	58.6	10.6	30.8	34.3	21.9
11A-NOON	3319	0.0	536	0.0	1499	1499	1820	2356+	18.15	481	52.5	9.6	30.8	33.1	19.1
NOON-1PM	3499	0.0	566	0.0	1500	1500	1999	2565+	18.01	481	50.7	9.6	30.8	32.7	19.1
1-2 PM	3644	0.0	590	0.0	1500	1500	2144	2734+	17.88	481	49.2	9.6	30.8	32.4	19.1
2-3 PM	3704	0.0	599	0.0	1500	1500	2204	2803+	17.82	481	48.6	9.6	30.8	32.3	19.1
3-4 PM	3814	0.0	617	0.0	1500	1500	2314	2931+	17.72	481	47.4	9.6	30.8	32.1	19.1
4-5 PM	3515	0.0	568	0.0	1500	1500	2015	2584+	17.99	481	50.5	9.6	30.8	32.7	19.1
5-6 PM	3506	0.0	567	0.0	1500	1500	2006	2573+	18.00	481	50.5	9.6	30.8	32.7	19.1
6-7 PM	3295	0.0	533	0.0	1500	1499	1796	2329+	18.17	481	52.7	9.6	30.8	33.1	19.1
7-8 PM	2878	0.0	465	0.0	OFF	2878	0	465	1.91	106	57.0	36.0	36.0	34.0	34.0
8-9 PM	2374	0.0	384	0.0	OFF	2374	0	384	0.00	0	62.0	62.0	62.0	35.0	35.0
9-10 PM	1681	0.0	272	0.0	OFF	1681	0	272	0.00	0	63.3	63.3	63.3	36.4	36.4
10-11 PM	1021	0.0	165	0.0	OFF	1021	0	165	0.00	0	64.5	64.5	64.5	37.7	37.7
11PM-MID	709	0.0	114	0.0	OFF	709	0	114	0.00	0	65.1	65.1	65.1	38.3	38.3

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0226
MAIN ROUTE WITH WORKS	0.0130
DIVERSION	0.1926

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$185,704
CONGESTED HOURS PER DAY*	9

*Delays Exceeding 15 Minutes

IH 39/90: USH 14 TO STH 11 (ROCK COUNTY)
OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: STH 11 - USH 14

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

