

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

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	622	0.0	101	0.0	OFF	622	0	101	0.00	0	65.2	65.2	65.2	38.5	38.5
1-2 AM	515	0.0	83	0.0	OFF	515	0	83	0.00	0	65.5	65.5	65.5	38.7	38.7
2-3 AM	443	0.0	72	0.0	OFF	443	0	72	0.00	0	65.6	65.6	65.6	38.9	38.9
3-4 AM	435	0.0	70	0.0	OFF	435	0	70	0.00	0	65.6	65.6	65.6	38.9	38.9
4-5 AM	558	0.0	91	0.0	OFF	558	0	91	0.00	0	65.3	65.3	65.3	38.6	38.6
5-6 AM	1059	0.0	171	0.0	OFF	1059	0	171	0.00	0	64.4	64.4	64.4	37.6	37.6
6-7 AM	1604	0.0	259	0.0	OFF	1604	0	259	0.00	0	63.4	63.4	63.4	36.5	36.5
7-8 AM	1936	0.0	313	0.0	OFF	1936	0	313	0.00	0	62.8	62.8	62.8	35.8	35.8
8-9 AM	1976	0.0	319	0.0	OFF	1976	0	319	0.00	0	62.7	62.7	62.7	35.8	35.8
9-10 AM	2172	0.0	351	0.0	1499	1803	369	720	8.74	226	62.3	15.8	30.8	35.4	30.8
10-11 AM	2525	0.0	409	0.0	1500	1594	931	1339+	14.11	357	60.6	11.1	30.8	34.7	23.2
11A-NOON	2733	0.0	442	0.0	1499	1572	1161	1603+	16.94	437	58.5	10.0	30.8	34.3	20.3
NOON-1PM	2841	0.0	459	0.0	1499	1505	1337	1796+	18.30	475	57.4	9.6	30.8	34.0	19.2
1-2 PM	2884	0.0	466	0.0	1500	1502	1382	1849+	18.30	476	56.9	9.6	30.8	34.0	19.2
2-3 PM	3100	0.0	501	0.0	1499	1502	1598	2099+	18.28	480	54.8	9.6	30.8	33.5	19.1
3-4 PM	3368	0.0	545	0.0	1500	1500	1868	2413+	18.11	481	52.0	9.6	30.8	33.0	19.1
4-5 PM	3265	0.0	528	0.0	OFF	3265	0	528	2.69	155	53.0	30.0	30.0	33.2	33.2
5-6 PM	3148	0.0	509	0.0	OFF	3148	0	509	0.00	0	54.3	54.3	54.3	33.4	33.4
6-7 PM	2901	0.0	469	0.0	OFF	2901	0	469	0.00	0	56.8	56.8	56.8	33.9	33.9
7-8 PM	2524	0.0	409	0.0	OFF	2524	0	409	0.00	0	60.7	60.7	60.7	34.7	34.7
8-9 PM	2355	0.0	381	0.0	OFF	2355	0	381	0.00	0	62.0	62.0	62.0	35.0	35.0
9-10 PM	2081	0.0	337	0.0	OFF	2081	0	337	0.00	0	62.5	62.5	62.5	35.6	35.6
10-11 PM	1503	0.0	243	0.0	OFF	1503	0	243	0.00	0	63.6	63.6	63.6	36.7	36.7
11PM-MID	848	0.0	137	0.0	OFF	848	0	137	0.00	0	64.8	64.8	64.8	38.1	38.1

"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	0.0234
MAIN ROUTE WITH WORKS	0.0184
DIVERSION	0.1264

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$87,269
CONGESTED HOURS PER DAY*	5

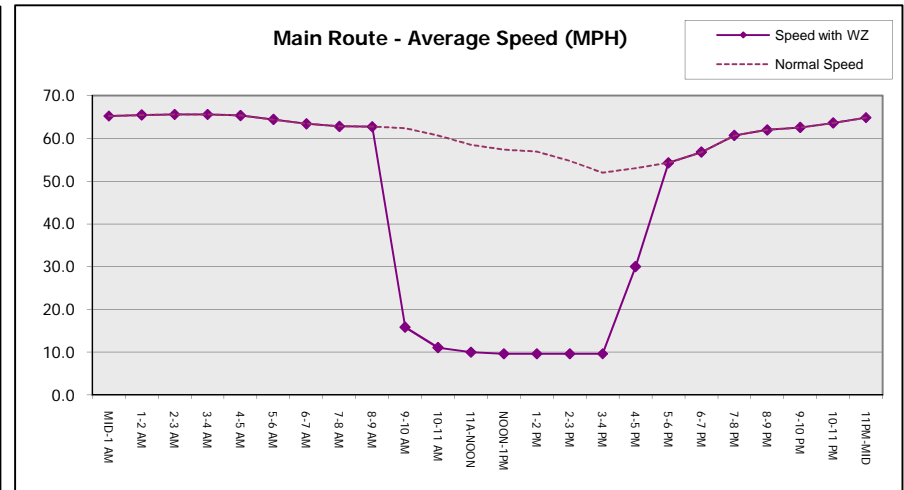
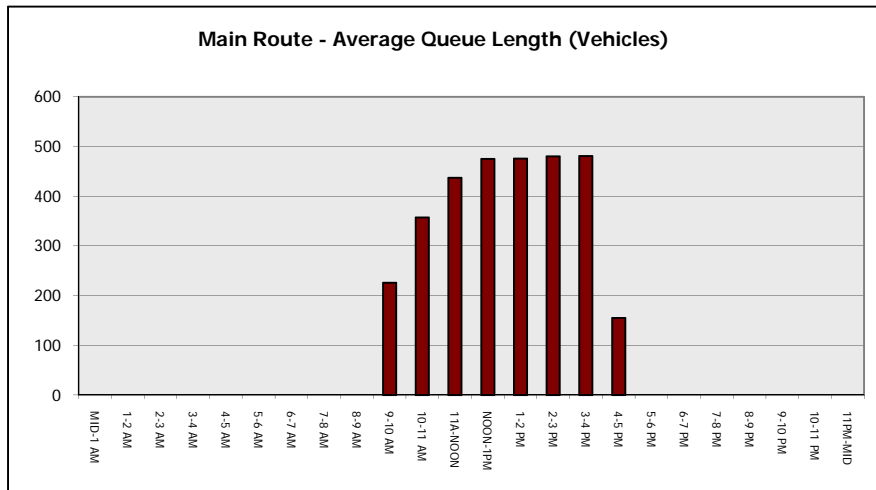
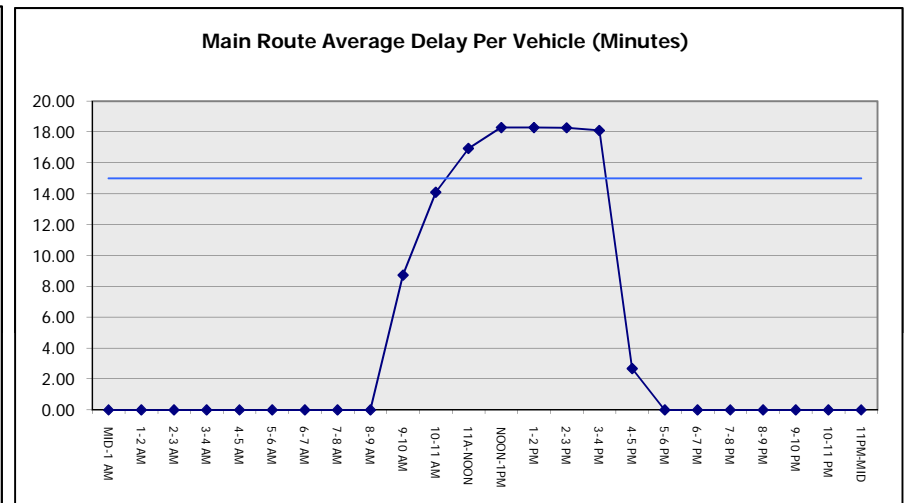
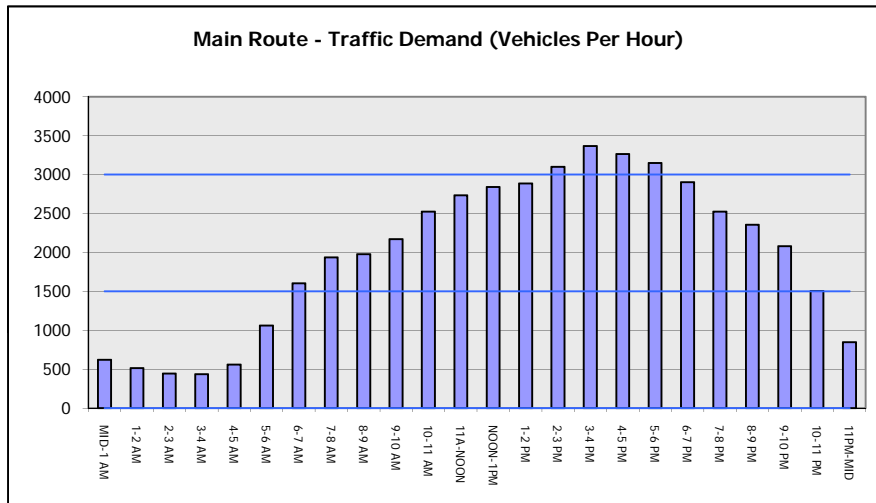
*Delays Exceeding 15 Minutes

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

FRIDAY 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

FRIDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							TOTAL			AVERAGE SPEEDS IN MPH					
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	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	544	0.0	88	0.0	OFF	544	0	88	0.00	0	65.4	65.4	65.4	38.6	38.6	
1-2 AM	442	0.0	71	0.0	OFF	442	0	71	0.00	0	65.6	65.6	65.6	38.9	38.9	
2-3 AM	445	0.0	72	0.0	OFF	445	0	72	0.00	0	65.6	65.6	65.6	38.9	38.9	
3-4 AM	503	0.0	81	0.0	OFF	503	0	81	0.00	0	65.5	65.5	65.5	38.8	38.8	
4-5 AM	531	0.0	85	0.0	OFF	531	0	85	0.00	0	65.4	65.4	65.4	38.7	38.7	
5-6 AM	651	0.0	105	0.0	OFF	651	0	105	0.00	0	65.1	65.1	65.1	38.4	38.4	
6-7 AM	896	0.0	145	0.0	OFF	896	0	145	0.00	0	64.7	64.7	64.7	37.9	37.9	
7-8 AM	1359	0.0	220	0.0	OFF	1359	0	220	0.00	0	63.8	63.8	63.8	37.0	37.0	
8-9 AM	1547	0.0	250	0.0	OFF	1547	0	250	0.00	0	63.5	63.5	63.5	36.6	36.6	
9-10 AM	1817	0.0	293	0.0	1499	1753	63	357	5.11	129	63.0	23.0	30.8	36.1	35.3	
10-11 AM	2042	0.0	330	0.0	1499	1520	522	853	10.60	259	62.6	13.7	30.8	35.6	29.1	
11A-NOON	2264	0.0	366	0.0	1500	1545	719	1086	12.08	300	62.2	12.4	30.8	35.2	26.3	
NOON-1PM	2395	0.0	387	0.0	1499	1534	862	1249+	13.33	334	61.9	11.4	30.8	35.0	24.3	
1-2 PM	2613	0.0	423	0.0	1500	1570	1043	1466+	15.34	392	59.7	10.6	30.8	34.5	21.8	
2-3 PM	2745	0.0	444	0.0	1499	1551	1195	1638+	17.41	450	58.4	9.9	30.8	34.2	19.9	
3-4 PM	2815	0.0	455	0.0	1499	1502	1314	1769+	18.30	475	57.6	9.6	30.8	34.1	19.2	
4-5 PM	2871	0.0	464	0.0	OFF	2871	0	464	1.80	99	57.1	36.8	36.8	34.0	34.0	
5-6 PM	2757	0.0	446	0.0	OFF	2757	0	446	0.00	0	58.2	58.2	58.2	34.2	34.2	
6-7 PM	2226	0.0	360	0.0	OFF	2226	0	360	0.00	0	62.2	62.2	62.2	35.3	35.3	
7-8 PM	1986	0.0	321	0.0	OFF	1986	0	321	0.00	0	62.7	62.7	62.7	35.8	35.8	
8-9 PM	1586	0.0	256	0.0	OFF	1586	0	256	0.00	0	63.4	63.4	63.4	36.6	36.6	
9-10 PM	1354	0.0	219	0.0	OFF	1354	0	219	0.00	0	63.8	63.8	63.8	37.0	37.0	
10-11 PM	1141	0.0	184	0.0	OFF	1141	0	184	0.00	0	64.3	64.3	64.3	37.4	37.4	
11PM-MID	814	0.0	132	0.0	OFF	814	0	132	0.00	0	64.9	64.9	64.9	38.1	38.1	

"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	0.0189
MAIN ROUTE WITH WORKS	0.0154
DIVERSION	0.0924

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$61,686
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

FRIDAY EASTBOUND DIRECTION

