

IH 39/90: USH 14 TO STH 11 (ROCK COUNTY) CONTINUOUS (24 HOUR) 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	1500	370	0	60	0.46	0	65.7	56.5	44.0	39.0	39.0
1-2 AM	240	0.0	39	0.0	1500	240	0	39	0.45	0	66.0	56.9	44.5	39.2	39.2
2-3 AM	221	0.0	36	0.0	1500	221	0	36	0.44	0	66.0	57.0	44.6	39.3	39.3
3-4 AM	173	0.0	28	0.0	1500	173	0	28	0.44	0	66.1	57.1	44.8	39.4	39.4
4-5 AM	198	0.0	32	0.0	1500	198	0	32	0.44	0	66.0	57.1	44.7	39.4	39.4
5-6 AM	280	0.0	45	0.0	1500	280	0	45	0.45	0	65.9	56.8	44.3	39.2	39.2
6-7 AM	442	0.0	71	0.0	1500	442	0	71	0.47	0	65.6	56.3	43.7	38.9	38.9
7-8 AM	776	0.0	126	0.0	1500	776	0	126	0.50	0	65.0	55.3	42.5	38.2	38.2
8-9 AM	1219	0.0	197	0.0	1499	1219	0	197	0.67	0	64.1	52.0	37.8	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	1500	1499	161	430	8.56	203	63.3	16.1	30.8	36.4	34.4
8-9 PM	1370	0.0	221	0.0	1499	1361	9	231	6.11	144	63.8	20.6	31.4	37.0	36.9
9-10 PM	1039	0.0	168	0.0	1500	1039	0	168	0.65	4	64.5	52.5	41.3	37.6	37.6
10-11 PM	803	0.0	130	0.0	1500	803	0	130	0.50	0	64.9	55.3	42.4	38.1	38.1
11PM-MID	593	0.0	96	0.0	1500	593	0	96	0.48	0	65.3	55.9	43.2	38.6	38.6

+ 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	0.0104
DIVERSION	0.1010

PIA: Personal Injury Accidents

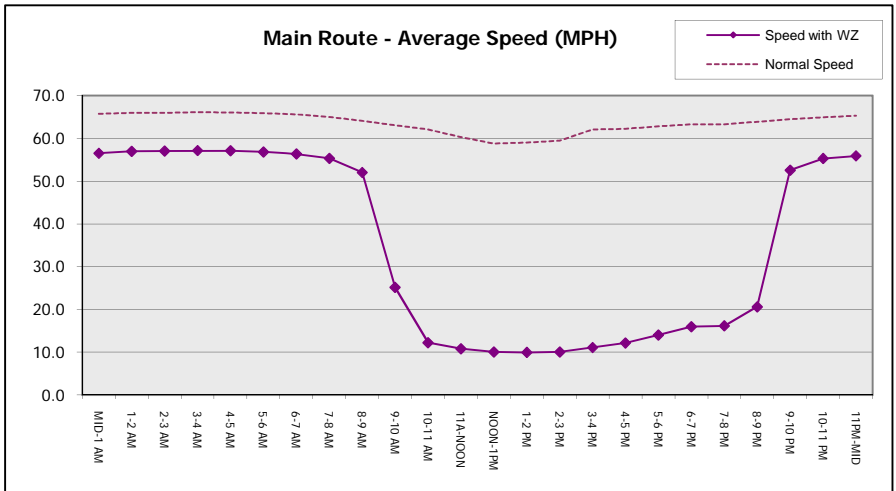
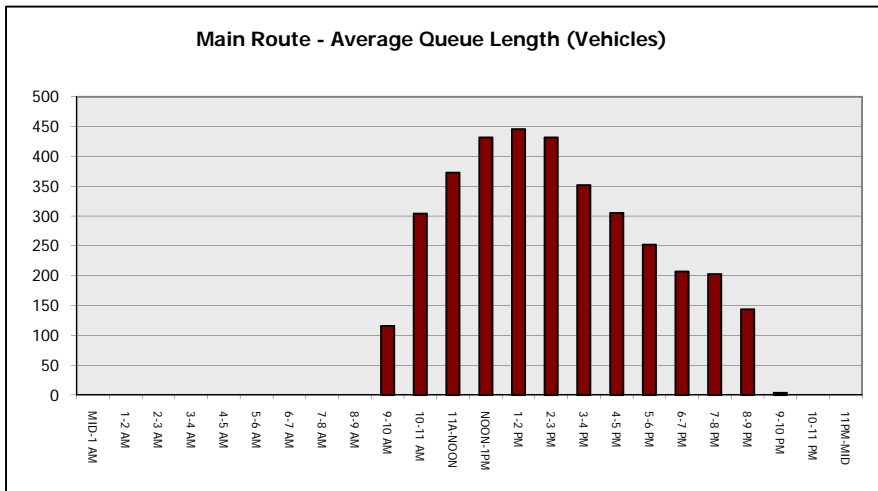
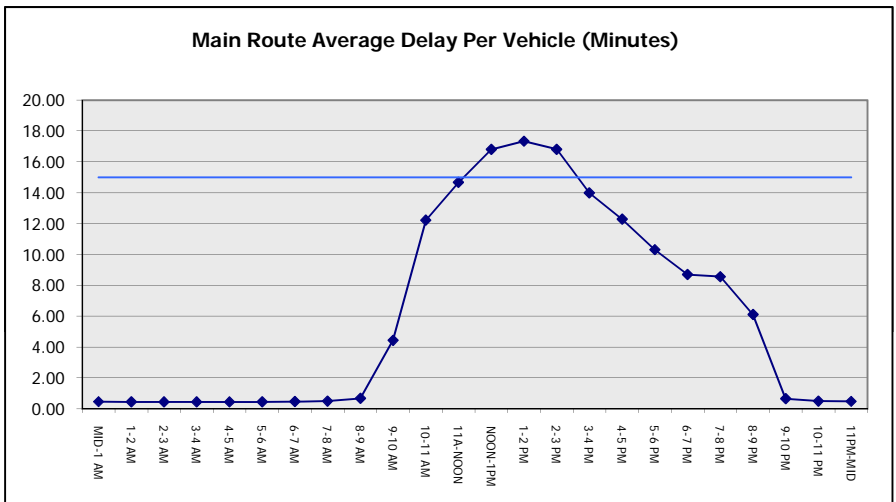
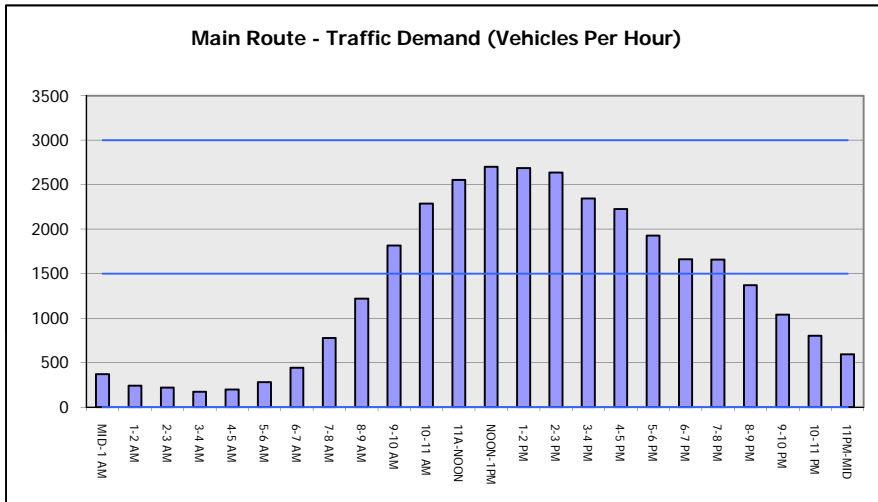
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$109,196
CONGESTED HOURS PER DAY*	3

*Delays Exceeding 15 Minutes

IH 39/90: USH 14 TO STH 11 (ROCK COUNTY)
CONTINUOUS (24 HOUR) 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) CONTINUOUS (24 HOUR) 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	1500	447	0	72	0.47	0	65.6	56.3	43.7	38.9	38.9
1-2 AM	357	0.0	58	0.0	1500	357	0	58	0.46	0	65.7	56.6	44.0	39.0	39.0
2-3 AM	309	0.0	49	0.0	1500	309	0	49	0.45	0	65.8	56.7	44.3	39.1	39.1
3-4 AM	242	0.0	39	0.0	1500	242	0	39	0.45	0	66.0	56.9	44.5	39.2	39.2
4-5 AM	216	0.0	35	0.0	1500	216	0	35	0.44	0	66.0	57.0	44.6	39.3	39.3
5-6 AM	249	0.0	40	0.0	1500	249	0	40	0.45	0	66.0	56.9	44.5	39.2	39.2
6-7 AM	454	0.0	73	0.0	1500	454	0	73	0.47	0	65.5	56.3	43.7	38.8	38.8
7-8 AM	761	0.0	124	0.0	1500	761	0	124	0.50	0	65.0	55.4	42.5	38.2	38.2
8-9 AM	1213	0.0	197	0.0	1499	1213	0	197	0.67	0	64.1	52.0	37.8	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	1499	1482	1396	1861+	18.28	475	57.0	9.6	30.8	34.0	19.2
8-9 PM	2374	0.0	384	0.0	1499	1335	1038	1422+	15.05	384	62.0	10.7	30.8	35.0	22.4
9-10 PM	1681	0.0	272	0.0	1500	1377	304	576	9.20	224	63.3	15.3	30.8	36.4	32.6
10-11 PM	1021	0.0	165	0.0	1499	1021	0	165	1.66	47	64.5	40.9	38.9	37.7	37.7
11PM-MID	709	0.0	114	0.0	1500	709	0	114	0.49	0	65.1	55.5	42.7	38.3	38.3

+ 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	0.0110
DIVERSION	0.2138

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$220,493
CONGESTED HOURS PER DAY*	11

*Delays Exceeding 15 Minutes

**IH 39/90: USH 14 TO STH 11 (ROCK COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 11 - USH 14**

AUGUST
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY EASTBOUND DIRECTION

