

IH 39/90: USH 14 TO STH 11 (ROCK COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 11 - USH 14	OCTOBER
	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	455	0.0	73	0.0	1500	455	0	73	0.47	0	65.5	56.3	43.7	38.8	38.8
1-2 AM	372	0.0	60	0.0	1500	372	0	60	0.46	0	65.7	56.5	44.0	39.0	39.0
2-3 AM	401	0.0	65	0.0	1500	401	0	65	0.46	0	65.6	56.4	43.9	38.9	38.9
3-4 AM	367	0.0	60	0.0	1500	367	0	60	0.46	0	65.7	56.6	44.0	39.0	39.0
4-5 AM	505	0.0	81	0.0	1500	505	0	81	0.47	0	65.5	56.1	43.5	38.8	38.8
5-6 AM	942	0.0	152	0.0	1499	942	0	152	0.51	0	64.6	54.8	41.9	37.9	37.9
6-7 AM	1549	0.0	250	0.0	1499	1549	0	250	1.56	18	63.5	41.4	31.3	36.6	36.6
7-8 AM	1727	0.0	279	0.0	1500	1643	85	364	6.95	166	63.2	18.8	30.8	36.3	35.2
8-9 AM	1642	0.0	266	0.0	1499	1486	156	422	8.53	202	63.3	16.2	30.8	36.5	34.5
9-10 AM	1765	0.0	285	0.0	1500	1523	242	527	8.97	215	63.1	15.6	30.8	36.2	33.2
10-11 AM	2024	0.0	327	0.0	1500	1545	479	807	10.34	252	62.6	14.0	30.8	35.7	29.7
11A-NOON	2219	0.0	359	0.0	1500	1535	684	1044	11.79	292	62.2	12.6	30.8	35.3	26.8
NOON-1PM	2273	0.0	368	0.0	1499	1510	763	1130	12.40	308	62.2	12.0	30.8	35.1	25.7
1-2 PM	2385	0.0	386	0.0	1500	1531	854	1240+	13.26	332	61.9	11.5	30.8	35.0	24.3
2-3 PM	2530	0.0	409	0.0	1500	1548	983	1391+	14.60	370	60.6	10.8	30.8	34.7	22.7
3-4 PM	2765	0.0	447	0.0	1500	1583	1182	1629+	17.14	443	58.2	9.9	30.8	34.2	20.1
4-5 PM	2904	0.0	469	0.0	1499	1500	1404	1873+	18.30	476	56.8	9.6	30.8	33.9	19.1
5-6 PM	2885	0.0	466	0.0	1500	1500	1386	1852+	18.30	476	56.9	9.6	30.8	34.0	19.2
6-7 PM	2504	0.0	405	0.0	1499	1383	1121	1526+	16.12	412	60.9	10.3	30.8	34.7	21.2
7-8 PM	2248	0.0	363	0.0	1500	1432	816	1179	12.78	319	62.2	11.8	30.8	35.2	25.1
8-9 PM	1965	0.0	318	0.0	1500	1441	524	842	10.55	258	62.7	13.8	30.8	35.8	29.3
9-10 PM	1457	0.0	236	0.0	1500	1378	79	314	7.45	176	63.7	17.9	30.8	36.8	35.8
10-11 PM	1018	0.0	165	0.0	1500	1018	0	165	0.94	16	64.5	48.6	40.6	37.7	37.7
11PM-MID	609	0.0	99	0.0	1500	609	0	99	0.48	0	65.3	55.8	43.1	38.5	38.5

+ 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	0.0195
MAIN ROUTE WITH WORKS	0.0123
DIVERSION	0.1329

PIA: Personal Injury Accidents

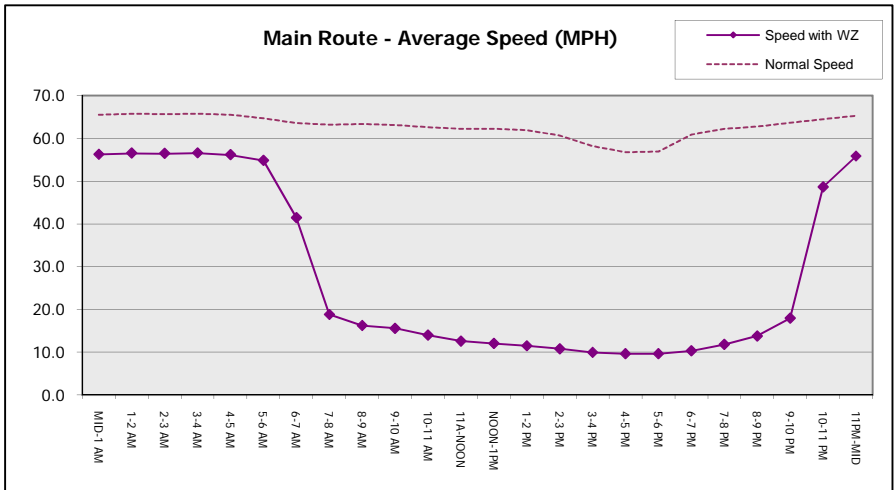
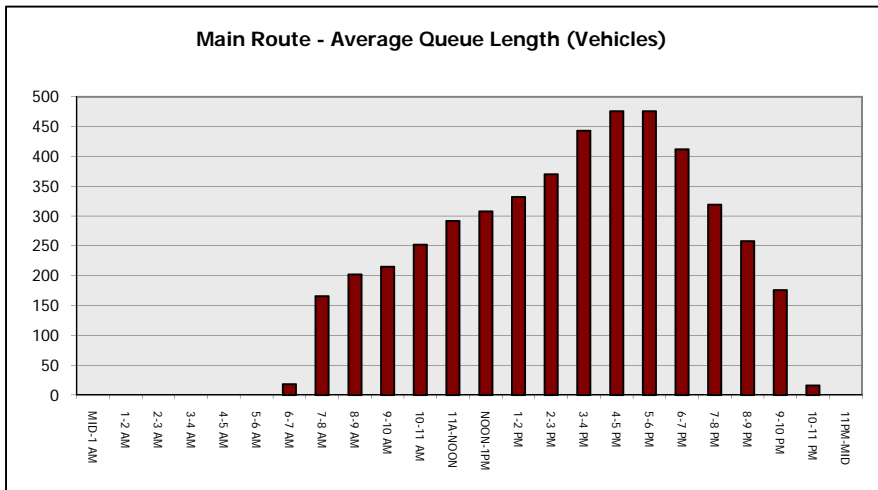
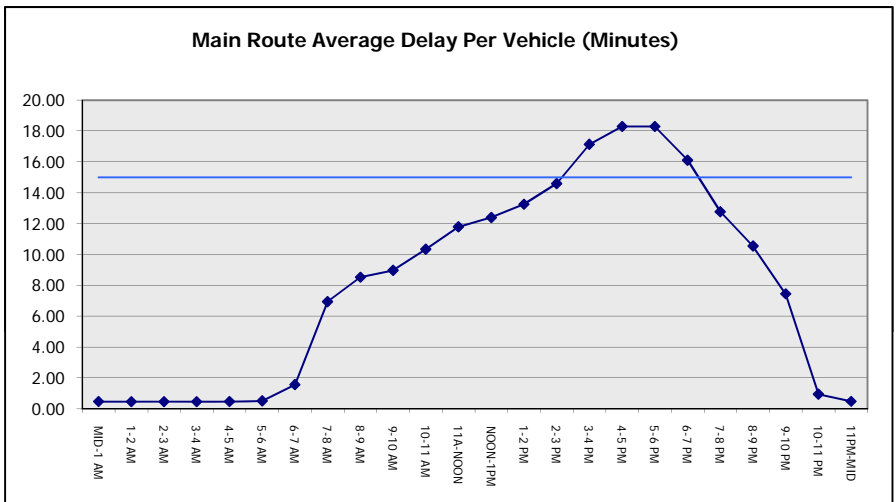
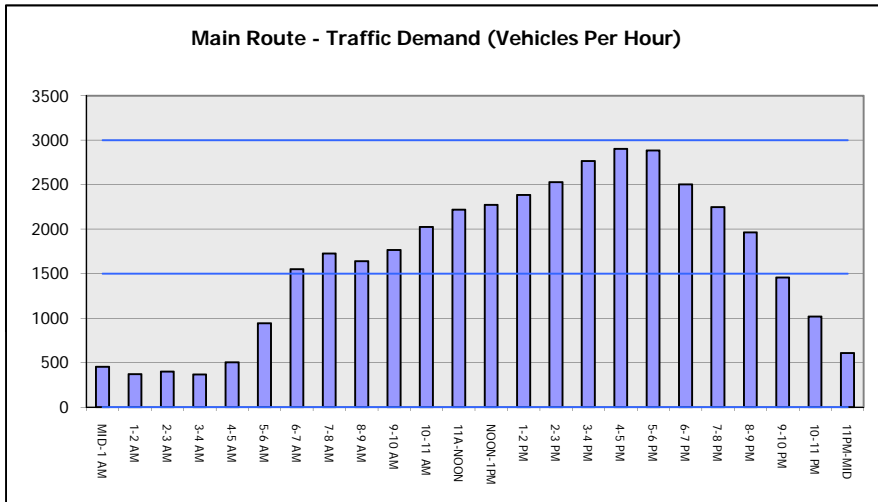
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$118,124
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

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

OCTOBER
 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) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 11 - USH 14	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								AVERAGE SPEEDS IN MPH						
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVERTING	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	399	0.0	65	0.0	1500	399	0	65	0.46	0	65.6	56.4	43.9	38.9	38.9
1-2 AM	344	0.0	56	0.0	1500	344	0	56	0.46	0	65.8	56.6	44.1	39.1	39.1
2-3 AM	336	0.0	55	0.0	1500	336	0	55	0.46	0	65.8	56.6	44.2	39.1	39.1
3-4 AM	407	0.0	66	0.0	1500	407	0	66	0.46	0	65.6	56.4	43.8	38.9	38.9
4-5 AM	469	0.0	76	0.0	1500	469	0	76	0.47	0	65.5	56.3	43.6	38.8	38.8
5-6 AM	581	0.0	94	0.0	1500	581	0	94	0.48	0	65.3	55.9	43.2	38.6	38.6
6-7 AM	917	0.0	148	0.0	1500	917	0	148	0.51	0	64.6	54.9	42.0	37.9	37.9
7-8 AM	1268	0.0	205	0.0	1500	1268	0	205	0.72	0	64.0	51.2	36.4	37.2	37.2
8-9 AM	1432	0.0	232	0.0	1499	1432	0	232	0.94	0	63.7	48.3	32.3	36.9	36.9
9-10 AM	1578	0.0	255	0.0	1499	1578	0	255	2.05	30	63.5	37.4	30.8	36.6	36.6
10-11 AM	1705	0.0	276	0.0	1500	1643	62	338	6.68	159	63.2	19.3	30.8	36.3	35.5
11A-NOON	1868	0.0	302	0.0	1499	1520	349	650	9.54	230	62.9	14.9	30.8	36.0	31.7
NOON-1PM	2064	0.0	334	0.0	1500	1535	529	863	10.66	261	62.5	13.7	30.8	35.6	29.0
1-2 PM	2233	0.0	361	0.0	1500	1534	699	1060	11.90	295	62.2	12.5	30.8	35.3	26.6
2-3 PM	2365	0.0	382	0.0	1499	1533	832	1214+	13.04	326	62.0	11.6	30.8	35.0	24.7
3-4 PM	2555	0.0	413	0.0	1500	1558	997	1410+	14.78	375	60.3	10.7	30.8	34.6	22.4
4-5 PM	2681	0.0	433	0.0	1500	1538	1143	1576+	16.61	427	59.1	10.1	30.8	34.3	20.6
5-6 PM	2553	0.0	413	0.0	1499	1436	1117	1530+	16.12	412	60.4	10.3	30.8	34.6	21.1
6-7 PM	2040	0.0	330	0.0	1499	1368	673	1003	11.54	287	62.6	12.9	30.8	35.6	27.3
7-8 PM	1617	0.0	262	0.0	1500	1443	174	436	8.59	205	63.3	16.1	30.8	36.5	34.3
8-9 PM	1238	0.0	201	0.0	1499	1238	0	201	2.80	79	64.1	32.6	34.8	37.3	37.3
9-10 PM	1098	0.0	178	0.0	1500	1098	0	178	0.53	0	64.3	54.4	41.4	37.5	37.5
10-11 PM	883	0.0	143	0.0	1500	883	0	143	0.51	0	64.8	55.0	42.1	37.9	37.9
11PM-MID	612	0.0	99	0.0	1500	612	0	99	0.48	0	65.3	55.8	43.1	38.5	38.5

+ 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	0.0164
MAIN ROUTE WITH WORKS	0.0114
DIVERSION	0.0926

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$74,740
CONGESTED HOURS PER DAY*	2

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 11 - USH 14

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

