

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

MON-THUR 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	461	0.0	74	0.0	1500	461	0	74	0.47	0	65.5	56.3	43.7	38.8	38.8
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	372	0.0	60	0.0	1500	372	0	60	0.46	0	65.7	56.5	44.0	39.0	39.0
3-4 AM	362	0.0	59	0.0	1500	362	0	59	0.46	0	65.7	56.6	44.0	39.0	39.0
4-5 AM	569	0.0	93	0.0	1500	569	0	93	0.48	0	65.3	56.0	43.2	38.6	38.6
5-6 AM	1059	0.0	171	0.0	1499	1059	0	171	0.56	0	64.4	53.9	40.4	37.6	37.6
6-7 AM	1562	0.0	252	0.0	1499	1562	0	252	1.57	17	63.5	41.3	31.0	36.6	36.6
7-8 AM	1713	0.0	277	0.0	1500	1642	71	348	6.83	163	63.2	19.0	30.8	36.3	35.4
8-9 AM	1573	0.0	254	0.0	1499	1478	95	349	8.24	195	63.5	16.6	30.8	36.6	35.4
9-10 AM	1650	0.0	267	0.0	1500	1516	134	401	8.44	200	63.3	16.3	30.8	36.5	34.8
10-11 AM	1875	0.0	304	0.0	1500	1533	342	646	9.52	230	62.9	14.9	30.8	36.0	31.7
11A-NOON	1940	0.0	314	0.0	1499	1507	434	748	10.03	243	62.8	14.3	30.8	35.8	30.4
NOON-1PM	1976	0.0	320	0.0	1499	1505	472	792	10.26	250	62.7	14.0	30.8	35.8	29.9
1-2 PM	1980	0.0	320	0.0	1499	1503	477	797	10.29	251	62.7	14.0	30.8	35.8	29.9
2-3 PM	2110	0.0	342	0.0	1500	1524	586	928	11.04	271	62.5	13.3	30.8	35.5	28.2
3-4 PM	2107	0.0	341	0.0	1499	1495	613	953	11.21	276	62.5	13.1	30.8	35.5	27.9
4-5 PM	2041	0.0	330	0.0	1500	1482	560	890	10.82	265	62.6	13.5	30.8	35.6	28.7
5-6 PM	1778	0.0	287	0.0	1499	1453	325	612	9.36	226	63.1	15.1	30.8	36.2	32.2
6-7 PM	1425	0.0	231	0.0	1500	1402	22	253	7.15	167	63.7	18.4	30.8	36.9	36.6
7-8 PM	1234	0.0	200	0.0	1500	1234	0	200	1.45	27	64.1	42.7	36.2	37.3	37.3
8-9 PM	1090	0.0	176	0.0	1500	1090	0	176	0.53	0	64.3	54.4	41.4	37.6	37.6
9-10 PM	931	0.0	150	0.0	1500	931	0	150	0.51	0	64.6	54.9	41.9	37.9	37.9
10-11 PM	765	0.0	124	0.0	1500	765	0	124	0.50	0	65.0	55.3	42.5	38.2	38.2
11PM-MID	540	0.0	88	0.0	1500	540	0	88	0.47	0	65.4	56.0	43.3	38.6	38.6

----- 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	0.0155
MAIN ROUTE WITH WORKS	0.0117
DIVERSION	0.0715

PIA: Personal Injury Accidents

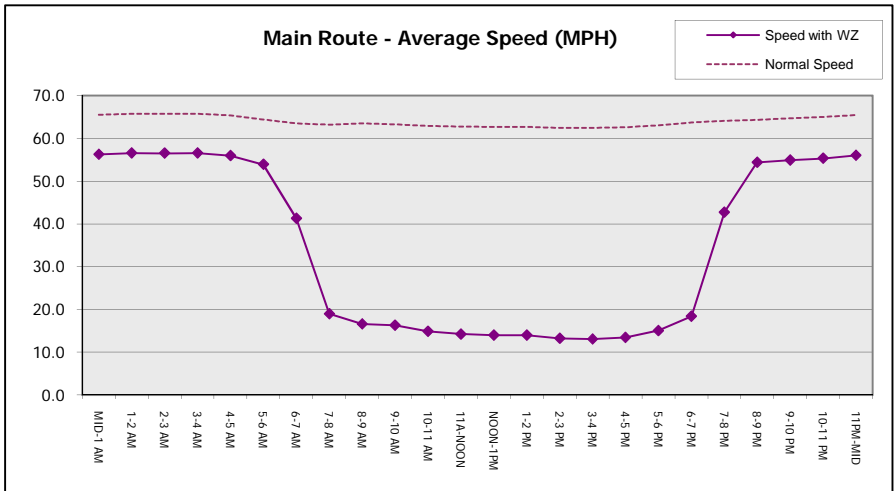
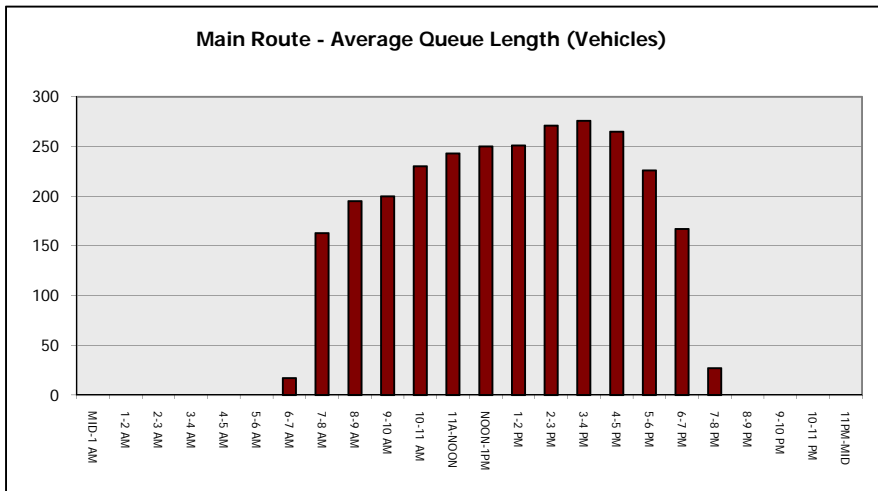
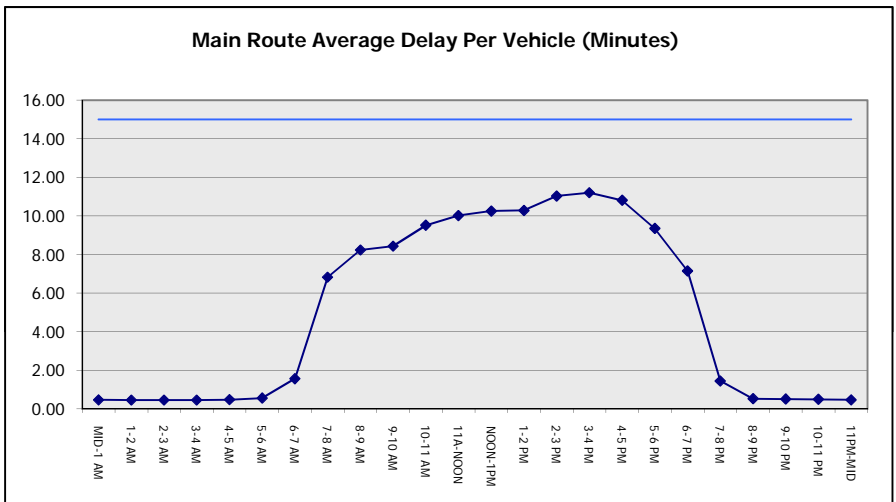
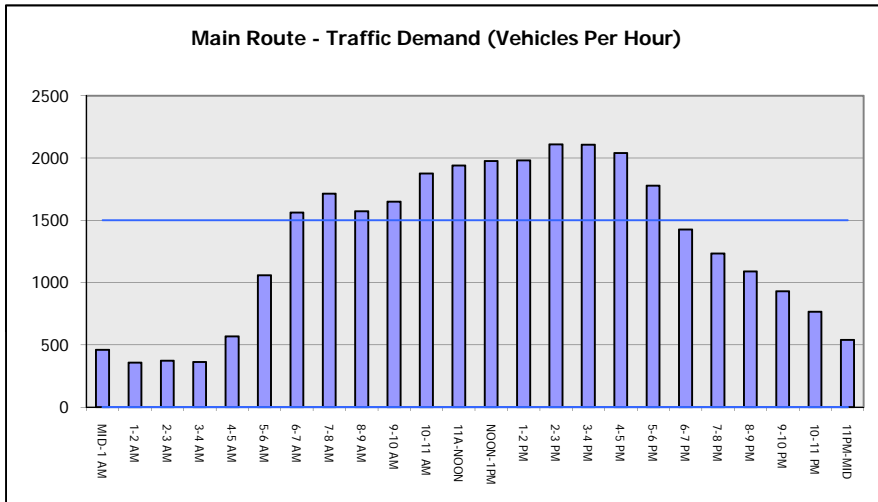
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$55,557
CONGESTED HOURS PER DAY*	0

*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
MON-THUR 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

MON-THUR 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 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	454	0.0	73	0.0	1500	454	0	73	0.47	0	65.5	56.3	43.7	38.8	38.8
1-2 AM	369	0.0	60	0.0	1500	369	0	60	0.46	0	65.7	56.6	44.0	39.0	39.0
2-3 AM	388	0.0	63	0.0	1500	388	0	63	0.46	0	65.6	56.5	44.0	38.9	38.9
3-4 AM	447	0.0	72	0.0	1500	447	0	72	0.47	0	65.6	56.3	43.7	38.9	38.9
4-5 AM	553	0.0	90	0.0	1500	553	0	90	0.48	0	65.3	56.0	43.3	38.6	38.6
5-6 AM	727	0.0	117	0.0	1500	727	0	117	0.49	0	65.0	55.5	42.7	38.3	38.3
6-7 AM	1063	0.0	172	0.0	1500	1063	0	172	0.53	0	64.4	54.5	41.5	37.6	37.6
7-8 AM	1434	0.0	232	0.0	1499	1434	0	232	0.94	0	63.7	48.3	32.2	36.9	36.9
8-9 AM	1527	0.0	247	0.0	1499	1527	0	247	1.27	7	63.5	44.3	30.8	36.7	36.7
9-10 AM	1684	0.0	273	0.0	1500	1684	0	273	4.72	110	63.2	24.3	30.8	36.3	36.3
10-11 AM	1858	0.0	301	0.0	1499	1526	332	633	9.46	228	62.9	15.0	30.8	36.0	31.9
11A-NOON	2025	0.0	327	0.0	1500	1526	499	826	10.45	255	62.6	13.8	30.8	35.7	29.5
NOON-1PM	2079	0.0	337	0.0	1499	1508	571	908	10.93	268	62.5	13.4	30.8	35.6	28.4
1-2 PM	2165	0.0	350	0.0	1500	1520	645	995	11.47	283	62.3	12.9	30.8	35.4	27.4
2-3 PM	2337	0.0	378	0.0	1500	1543	794	1172	12.71	317	62.0	11.9	30.8	35.0	25.2
3-4 PM	2514	0.0	407	0.0	1500	1548	966	1372+	14.42	365	60.7	10.9	30.8	34.7	22.9
4-5 PM	2555	0.0	413	0.0	1499	1503	1052	1464+	15.36	391	60.3	10.6	30.8	34.6	21.8
5-6 PM	2361	0.0	382	0.0	1499	1426	935	1317+	13.96	351	62.0	11.2	30.8	35.0	23.5
6-7 PM	1824	0.0	294	0.0	1499	1396	428	723	9.91	242	63.0	14.5	30.8	36.1	30.7
7-8 PM	1476	0.0	239	0.0	1500	1433	43	282	7.64	179	63.7	17.6	30.8	36.8	36.3
8-9 PM	1287	0.0	208	0.0	1499	1287	0	208	2.39	58	64.0	35.1	34.0	37.1	37.1
9-10 PM	1069	0.0	173	0.0	1500	1069	0	173	0.53	0	64.4	54.5	41.4	37.6	37.6
10-11 PM	817	0.0	132	0.0	1500	817	0	132	0.50	0	64.8	55.2	42.4	38.1	38.1
11PM-MID	551	0.0	90	0.0	1500	551	0	90	0.48	0	65.3	56.0	43.3	38.6	38.6

+ 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	0.0166
MAIN ROUTE WITH WORKS	0.0117
DIVERSION	0.0906

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$68,550
CONGESTED HOURS PER DAY*	1

*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
MON-THUR EASTBOUND DIRECTION

