

IH 39/90: USH 14 TO STH 11 (ROCK COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 11 - USH 14	MAY
	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	367	0.0	60	0.0	1500	367	0	60	0.46	0	65.7	56.6	44.0	39.0	39.0
1-2 AM	314	0.0	50	0.0	1500	314	0	50	0.45	0	65.8	56.7	44.2	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	344	0.0	56	0.0	1500	344	0	56	0.46	0	65.8	56.6	44.1	39.1	39.1
4-5 AM	525	0.0	84	0.0	1500	525	0	84	0.47	0	65.4	56.1	43.4	38.7	38.7
5-6 AM	1088	0.0	176	0.0	1499	1088	0	176	0.58	0	64.3	53.6	40.0	37.6	37.6
6-7 AM	1490	0.0	241	0.0	1499	1490	0	241	1.14	4	63.6	45.8	31.4	36.8	36.8
7-8 AM	1456	0.0	236	0.0	1499	1456	0	236	1.18	5	63.7	45.4	31.5	36.8	36.8
8-9 AM	1344	0.0	217	0.0	1500	1344	0	217	0.82	0	63.9	49.8	34.3	37.1	37.1
9-10 AM	1369	0.0	221	0.0	1499	1369	0	221	0.86	0	63.8	49.4	33.7	37.0	37.0
10-11 AM	1500	0.0	243	0.0	1499	1500	0	243	1.10	2	63.6	46.2	31.0	36.7	36.7
11A-NOON	1535	0.0	248	0.0	1500	1535	0	248	1.99	26	63.5	37.8	30.8	36.6	36.6
NOON-1PM	1527	0.0	247	0.0	1499	1527	0	247	3.11	56	63.5	30.8	30.8	36.7	36.7
1-2 PM	1596	0.0	258	0.0	1500	1596	0	258	5.24	116	63.4	22.7	30.8	36.5	36.5
2-3 PM	1613	0.0	260	0.0	1499	1531	82	343	8.16	192	63.4	16.8	30.8	36.5	35.5
3-4 PM	1652	0.0	268	0.0	1500	1503	149	416	8.51	202	63.3	16.3	30.8	36.4	34.6
4-5 PM	1564	0.0	253	0.0	1499	1485	78	332	8.18	193	63.5	16.8	30.8	36.6	35.6
5-6 PM	1375	0.0	222	0.0	1499	1375	0	222	5.93	137	63.8	21.1	31.2	37.0	37.0
6-7 PM	1136	0.0	184	0.0	1500	1136	0	184	0.74	5	64.3	51.2	40.0	37.4	37.4
7-8 PM	1062	0.0	172	0.0	1500	1062	0	172	0.53	0	64.4	54.5	41.5	37.6	37.6
8-9 PM	993	0.0	161	0.0	1500	993	0	161	0.52	0	64.5	54.7	41.7	37.8	37.8
9-10 PM	819	0.0	133	0.0	1500	819	0	133	0.50	0	64.8	55.2	42.3	38.1	38.1
10-11 PM	644	0.0	104	0.0	1500	644	0	104	0.48	0	65.2	55.7	43.0	38.4	38.4
11PM-MID	419	0.0	68	0.0	1500	419	0	68	0.46	0	65.6	56.4	43.8	38.9	38.9

----- 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	0.0129
MAIN ROUTE WITH WORKS	0.0110
DIVERSION	0.0351

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$17,767
CONGESTED HOURS PER DAY*	0

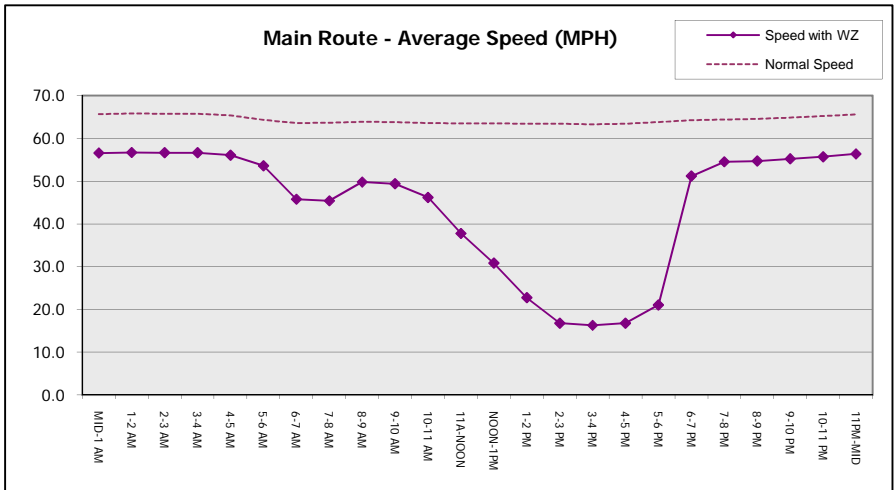
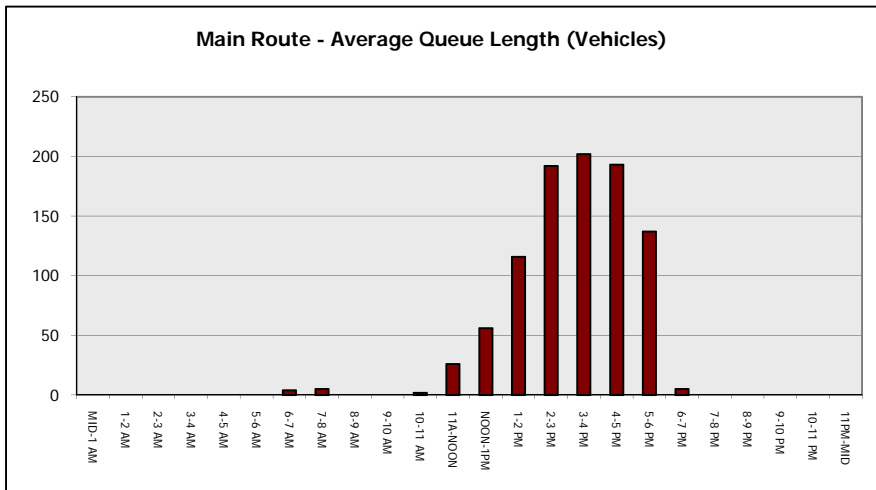
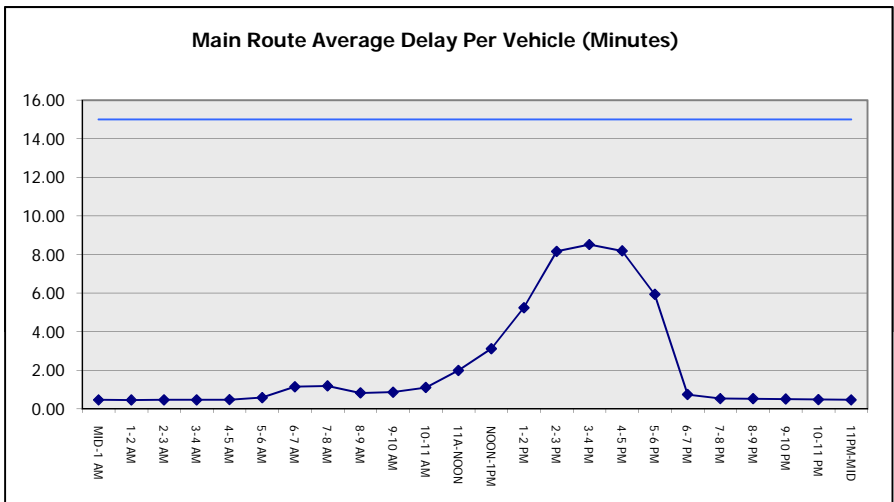
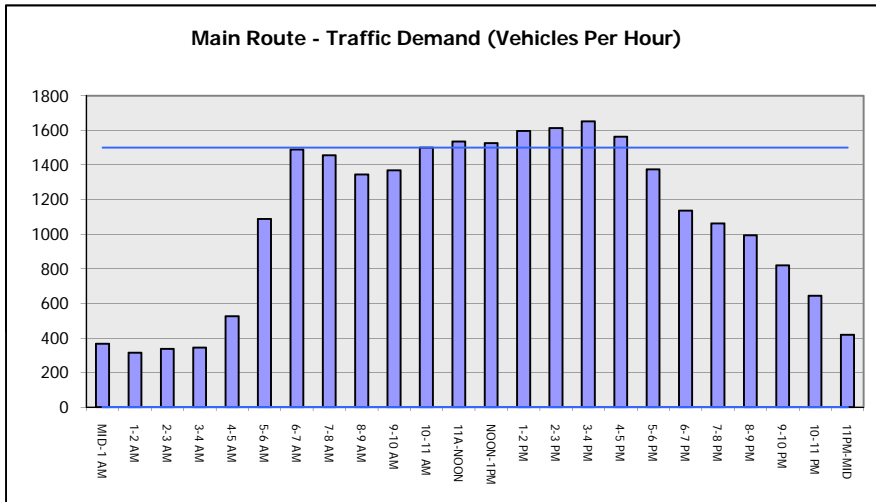
*Delays Exceeding 15 Minutes

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

MAY
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	MAY
	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						
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL 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	354	0.0	58	0.0	1500	354	0	58	0.46	0	65.7	56.6	44.1	39.0	39.0
1-2 AM	302	0.0	48	0.0	1500	302	0	48	0.45	0	65.8	56.8	44.3	39.1	39.1
2-3 AM	326	0.0	53	0.0	1500	326	0	53	0.45	0	65.8	56.7	44.2	39.1	39.1
3-4 AM	376	0.0	61	0.0	1500	376	0	61	0.46	0	65.7	56.5	44.0	39.0	39.0
4-5 AM	482	0.0	78	0.0	1500	482	0	78	0.47	0	65.5	56.2	43.6	38.8	38.8
5-6 AM	662	0.0	107	0.0	1500	662	0	107	0.49	0	65.1	55.6	42.9	38.4	38.4
6-7 AM	977	0.0	158	0.0	1500	977	0	158	0.52	0	64.6	54.7	41.7	37.8	37.8
7-8 AM	1238	0.0	201	0.0	1500	1238	0	201	0.69	0	64.1	51.8	37.3	37.3	37.3
8-9 AM	1321	0.0	213	0.0	1500	1321	0	213	0.79	0	63.9	50.2	35.0	37.1	37.1
9-10 AM	1399	0.0	226	0.0	1499	1399	0	226	0.89	0	63.8	48.8	33.0	36.9	36.9
10-11 AM	1514	0.0	245	0.0	1499	1514	0	245	1.19	5	63.6	45.1	30.9	36.7	36.7
11A-NOON	1607	0.0	259	0.0	1500	1607	0	259	3.40	68	63.4	29.4	30.8	36.5	36.5
NOON-1PM	1670	0.0	270	0.0	1500	1580	90	360	7.84	186	63.3	17.3	30.8	36.4	35.3
1-2 PM	1719	0.0	278	0.0	1500	1507	212	490	8.81	210	63.2	15.8	30.8	36.3	33.7
2-3 PM	1811	0.0	292	0.0	1500	1514	297	589	9.25	222	63.0	15.2	30.8	36.1	32.4
3-4 PM	1905	0.0	308	0.0	1500	1514	392	700	9.78	237	62.8	14.6	30.8	35.9	31.1
4-5 PM	1932	0.0	312	0.0	1500	1500	432	744	10.01	243	62.8	14.3	30.8	35.9	30.5
5-6 PM	1825	0.0	295	0.0	1499	1476	349	644	9.51	229	63.0	14.9	30.8	36.1	31.7
6-7 PM	1494	0.0	242	0.0	1499	1429	64	306	7.78	183	63.6	17.4	30.8	36.8	36.0
7-8 PM	1213	0.0	196	0.0	1499	1213	0	196	1.83	45	64.1	39.3	36.4	37.3	37.3
8-9 PM	1066	0.0	172	0.0	1500	1066	0	172	0.53	0	64.4	54.5	41.4	37.6	37.6
9-10 PM	908	0.0	147	0.0	1500	908	0	147	0.51	0	64.7	55.0	42.0	37.9	37.9
10-11 PM	679	0.0	110	0.0	1500	679	0	110	0.49	0	65.1	55.6	42.8	38.4	38.4
11PM-MID	447	0.0	72	0.0	1500	447	0	72	0.47	0	65.6	56.3	43.7	38.9	38.9

----- 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	0.0134
MAIN ROUTE WITH WORKS	0.0109
DIVERSION	0.0483

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$29,875
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

