

<b>IH 39/90: STH 11 TO STATE LINE (ROCK COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - STH 11</b>	<b>AUGUST</b>
	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	405	0.0	59	0.0	1500	405	0	59	0.46	0	65.6	62.5	43.9	39.0	39.0
1-2 AM	313	0.0	45	0.0	1500	313	0	45	0.45	0	65.8	62.7	44.2	39.2	39.2
2-3 AM	326	0.0	47	0.0	1500	326	0	47	0.45	0	65.8	62.7	44.2	39.2	39.2
3-4 AM	318	0.0	46	0.0	1500	318	0	46	0.45	0	65.8	62.7	44.2	39.2	39.2
4-5 AM	500	0.0	73	0.0	1500	500	0	73	0.47	0	65.5	62.2	43.5	38.8	38.8
5-6 AM	930	0.0	135	0.0	1500	930	0	135	0.51	0	64.6	61.3	41.9	38.1	38.1
6-7 AM	1371	0.0	200	0.0	1499	1371	0	200	0.86	0	63.8	58.5	33.8	37.3	37.3
7-8 AM	1504	0.0	218	0.0	1499	1504	0	218	1.09	1	63.6	57.0	30.8	37.0	37.0
8-9 AM	1381	0.0	201	0.0	1500	1381	0	201	0.87	0	63.8	58.4	33.4	37.3	37.3
9-10 AM	1449	0.0	211	0.0	1499	1449	0	211	0.96	0	63.7	57.8	31.9	37.1	37.1
10-11 AM	1646	0.0	239	0.0	1499	1646	0	239	3.27	65	63.3	47.1	30.8	36.8	36.8
11A-NOON	1704	0.0	247	0.0	1500	1704	0	247	9.86	245	63.2	31.0	30.8	36.7	36.7
NOON-1PM	1736	0.0	252	0.0	1500	1733	3	255	18.05	466	63.2	21.7	30.8	36.6	36.6
1-2 PM	1739	0.0	252	0.0	1499	1551	188	440	23.75	614	63.2	18.0	30.8	36.6	34.3
2-3 PM	1853	0.0	269	0.0	1500	1546	307	576	25.43	661	62.9	17.1	30.8	36.4	32.6
3-4 PM	1850	0.0	269	0.0	1499	1495	354	623	26.08	678	63.0	16.8	30.8	36.4	32.0
4-5 PM	1792	0.0	260	0.0	1499	1469	323	583	25.55	663	63.0	17.1	30.8	36.5	32.5
5-6 PM	1562	0.0	226	0.0	1499	1408	153	380	23.08	596	63.5	18.4	30.8	36.9	35.0
6-7 PM	1251	0.0	182	0.0	1499	1251	0	182	17.24	443	64.0	22.5	30.8	37.5	37.5
7-8 PM	1084	0.0	157	0.0	1499	1084	0	157	4.11	118	64.3	44.6	37.3	37.8	37.8
8-9 PM	957	0.0	139	0.0	1500	957	0	139	0.51	0	64.6	61.2	41.9	38.0	38.0
9-10 PM	817	0.0	118	0.0	1500	817	0	118	0.50	0	64.8	61.5	42.4	38.3	38.3
10-11 PM	671	0.0	98	0.0	1500	671	0	98	0.49	0	65.1	61.9	42.8	38.5	38.5
11PM-MID	475	0.0	69	0.0	1500	475	0	69	0.47	0	65.5	62.3	43.6	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	0.0440
MAIN ROUTE WITH WORKS	0.0401
DIVERSION	0.1192

PIA: Personal Injury Accidents

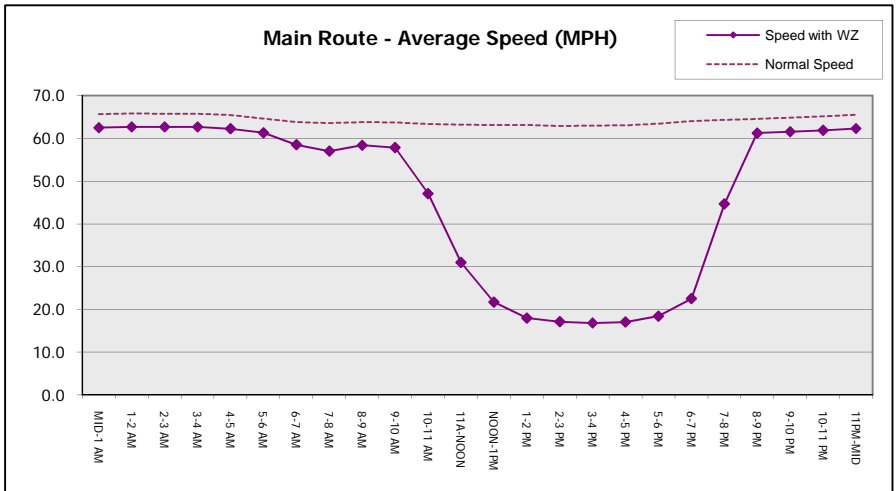
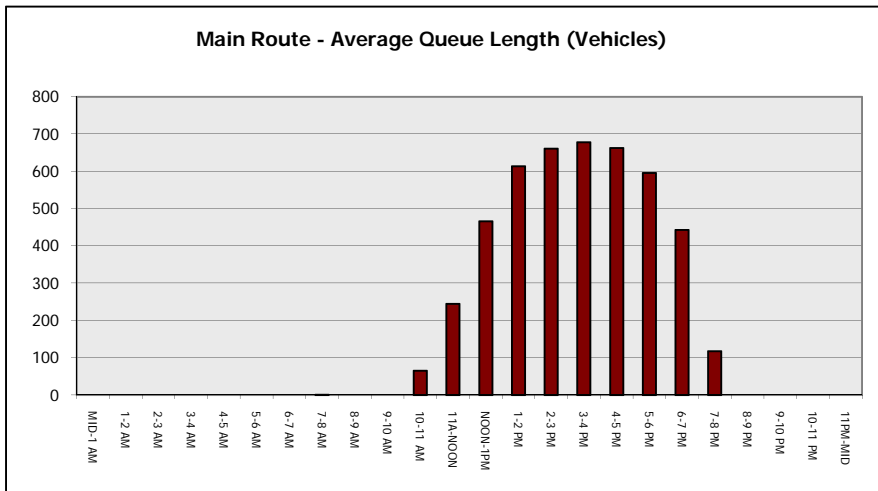
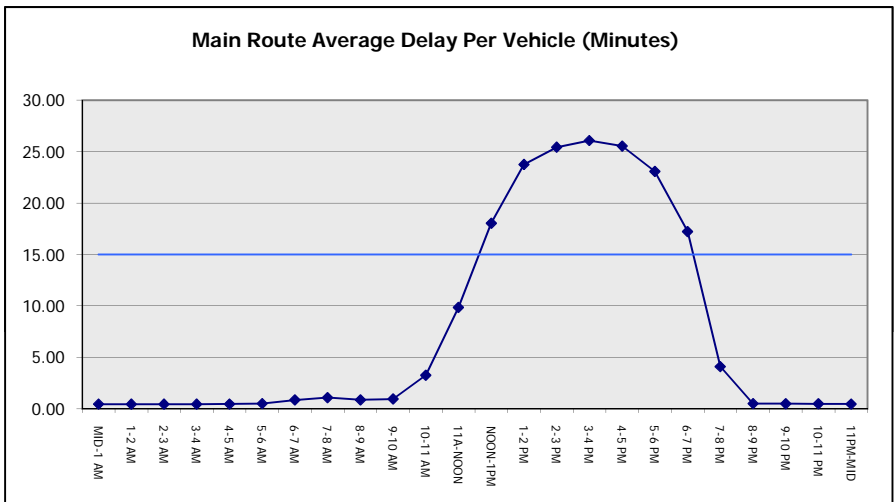
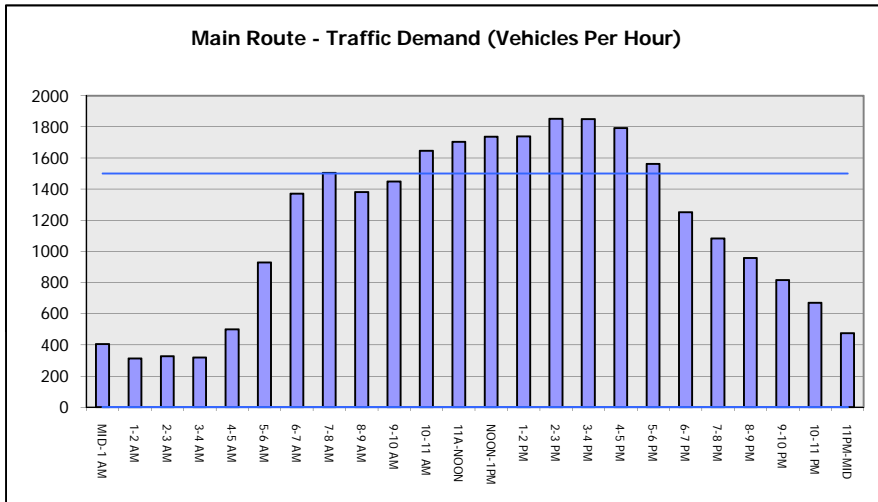
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$74,253
CONGESTED HOURS PER DAY*	7

\*Delays Exceeding 15 Minutes

**IH 39/90: STH 11 TO STATE LINE (ROCK COUNTY)**  
**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - STH 11**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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



<b>IH 39/90: STH 11 TO STATE LINE (ROCK COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - STH 11</b>	<b>AUGUST</b>
	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	398	0.0	58	0.0	1500	398	0	58	0.46	0	65.6	62.5	43.9	39.0	39.0
1-2 AM	323	0.0	47	0.0	1500	323	0	47	0.45	0	65.8	62.7	44.2	39.2	39.2
2-3 AM	341	0.0	49	0.0	1500	341	0	49	0.46	0	65.8	62.6	44.2	39.1	39.1
3-4 AM	392	0.0	57	0.0	1500	392	0	57	0.46	0	65.6	62.5	43.9	39.1	39.1
4-5 AM	486	0.0	71	0.0	1500	486	0	71	0.47	0	65.5	62.3	43.5	38.9	38.9
5-6 AM	638	0.0	93	0.0	1500	638	0	93	0.48	0	65.2	61.9	43.0	38.6	38.6
6-7 AM	934	0.0	136	0.0	1500	934	0	136	0.51	0	64.6	61.2	41.9	38.1	38.1
7-8 AM	1259	0.0	183	0.0	1500	1259	0	183	0.71	0	64.0	59.5	36.6	37.4	37.4
8-9 AM	1340	0.0	195	0.0	1499	1340	0	195	0.82	0	63.9	58.7	34.5	37.3	37.3
9-10 AM	1478	0.0	215	0.0	1499	1478	0	215	1.05	1	63.7	57.3	31.4	37.1	37.1
10-11 AM	1632	0.0	237	0.0	1500	1632	0	237	3.24	63	63.3	47.2	30.8	36.8	36.8
11A-NOON	1778	0.0	258	0.0	1500	1778	0	258	10.66	271	63.1	29.7	30.8	36.5	36.5
NOON-1PM	1825	0.0	266	0.0	1500	1735	90	355	21.34	555	63.0	19.4	30.8	36.5	35.3
1-2 PM	1901	0.0	276	0.0	1499	1552	349	625	26.09	679	62.8	16.8	30.8	36.3	32.0
2-3 PM	2052	0.0	299	0.0	1500	1572	479	778	28.29	740	62.5	15.8	30.8	36.0	30.1
3-4 PM	2207	0.0	320	0.0	1500	1578	629	949	31.14	818	62.3	14.7	30.8	35.8	27.9
4-5 PM	2243	0.0	326	0.0	1500	1518	725	1051	33.05	869	62.2	14.0	30.8	35.7	26.7
5-6 PM	2073	0.0	302	0.0	1500	1399	674	976	31.66	831	62.5	14.5	30.8	36.0	27.6
6-7 PM	1602	0.0	233	0.0	1500	1291	311	543	25.08	653	63.4	17.4	30.8	36.8	33.0
7-8 PM	1296	0.0	188	0.0	1499	1296	0	188	18.49	474	64.0	21.5	30.8	37.4	37.4
8-9 PM	1129	0.0	164	0.0	1499	1129	0	164	6.70	183	64.3	37.4	34.4	37.7	37.7
9-10 PM	939	0.0	136	0.0	1500	939	0	136	0.51	0	64.6	61.2	41.9	38.1	38.1
10-11 PM	718	0.0	104	0.0	1500	718	0	104	0.49	0	65.0	61.7	42.7	38.4	38.4
11PM-MID	484	0.0	70	0.0	1500	484	0	70	0.47	0	65.5	62.3	43.6	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	0.0469
MAIN ROUTE WITH WORKS	0.0400
DIVERSION	0.1683

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$110,884
CONGESTED HOURS PER DAY*	8

\*Delays Exceeding 15 Minutes

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**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - STH 11**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

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

