

<b>IH 39/90: STH 11 TO STATE LINE (ROCK COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - STH 11</b>	<b>MAY</b>
	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	250	0.0	36	0.0	OFF	250	0	36	0.00	0	65.9	65.9	65.9	39.3	39.3
1-2 AM	171	0.0	25	0.0	OFF	171	0	25	0.00	0	66.1	66.1	66.1	39.4	39.4
2-3 AM	153	0.0	23	0.0	OFF	153	0	23	0.00	0	66.1	66.1	66.1	39.4	39.4
3-4 AM	142	0.0	21	0.0	OFF	142	0	21	0.00	0	66.1	66.1	66.1	39.5	39.5
4-5 AM	149	0.0	22	0.0	OFF	149	0	22	0.00	0	66.1	66.1	66.1	39.5	39.5
5-6 AM	257	0.0	37	0.0	OFF	257	0	37	0.00	0	65.9	65.9	65.9	39.3	39.3
6-7 AM	386	0.0	56	0.0	OFF	386	0	56	0.00	0	65.6	65.6	65.6	39.1	39.1
7-8 AM	601	0.0	87	0.0	OFF	601	0	87	0.00	0	65.3	65.3	65.3	38.7	38.7
8-9 AM	870	0.0	127	0.0	OFF	870	0	127	0.00	0	64.8	64.8	64.8	38.2	38.2
9-10 AM	1166	0.0	170	0.0	1499	1166	0	170	0.61	0	64.2	60.3	39.2	37.6	37.6
10-11 AM	1482	0.0	215	0.0	1499	1482	0	215	1.13	4	63.7	56.8	31.5	37.1	37.1
11A-NOON	1572	0.0	229	0.0	1500	1572	0	229	2.79	48	63.5	49.0	30.8	36.9	36.9
NOON-1PM	1595	0.0	232	0.0	1500	1595	0	232	5.98	135	63.4	38.8	30.8	36.9	36.9
1-2 PM	1573	0.0	229	0.0	1499	1573	0	229	9.14	220	63.5	32.2	30.8	36.9	36.9
2-3 PM	1572	0.0	229	0.0	1500	1572	0	229	11.83	292	63.5	28.2	30.8	36.9	36.9
3-4 PM	1553	0.0	225	0.0	1499	1553	0	225	14.15	354	63.5	25.4	30.8	36.9	36.9
4-5 PM	1568	0.0	227	0.0	1500	1568	0	227	16.50	418	63.5	23.1	30.8	36.9	36.9
5-6 PM	1448	0.0	210	0.0	1499	1448	0	210	17.03	431	63.7	22.7	30.8	37.1	37.1
6-7 PM	1292	0.0	187	0.0	1499	1292	0	187	12.07	302	64.0	27.9	30.8	37.4	37.4
7-8 PM	1144	0.0	166	0.0	OFF	1144	0	166	0.15	6	64.3	63.3	63.3	37.7	37.7
8-9 PM	1012	0.0	147	0.0	OFF	1012	0	147	0.00	0	64.5	64.5	64.5	37.9	37.9
9-10 PM	743	0.0	108	0.0	OFF	743	0	108	0.00	0	65.0	65.0	65.0	38.4	38.4
10-11 PM	566	0.0	82	0.0	OFF	566	0	82	0.00	0	65.3	65.3	65.3	38.8	38.8
11PM-MID	392	0.0	57	0.0	OFF	392	0	57	0.00	0	65.6	65.6	65.6	39.1	39.1

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0345
MAIN ROUTE WITH WORKS	0.0335
DIVERSION	0.0702

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$38,688
CONGESTED HOURS PER DAY*	2

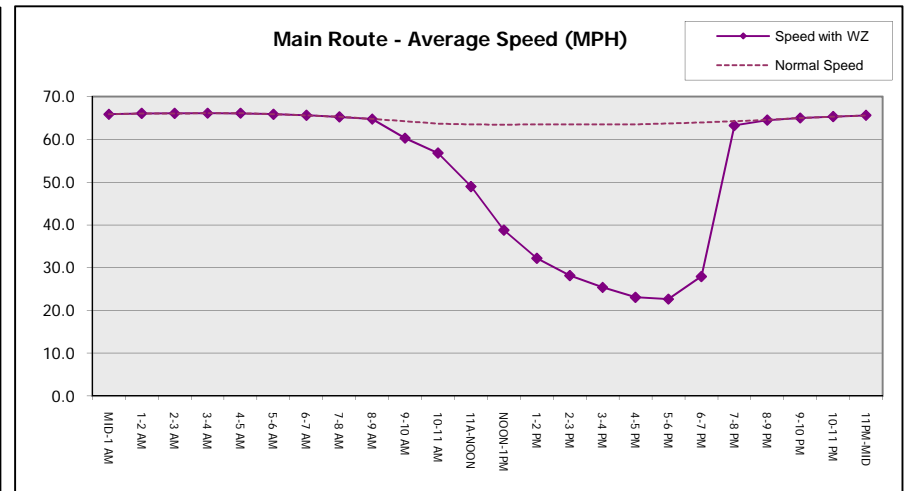
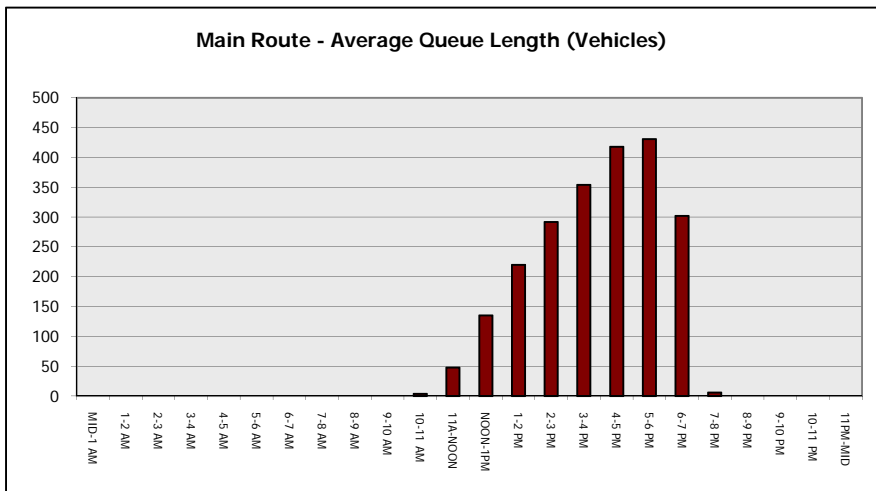
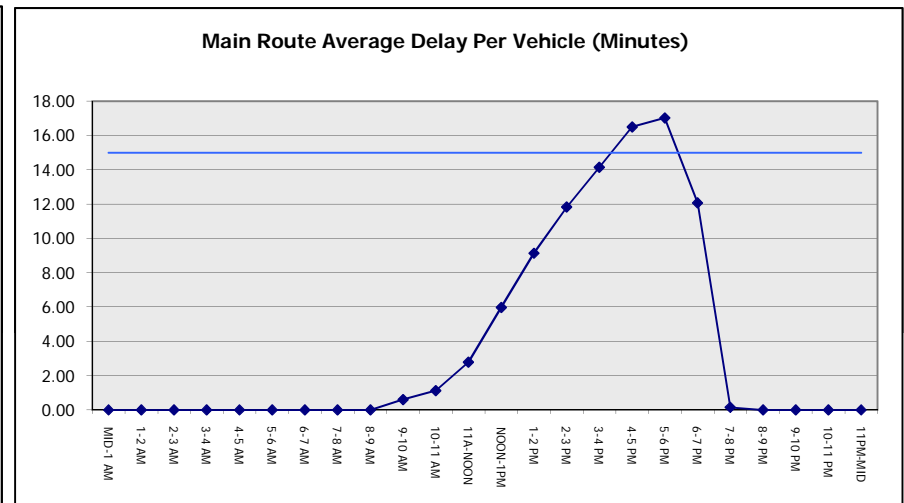
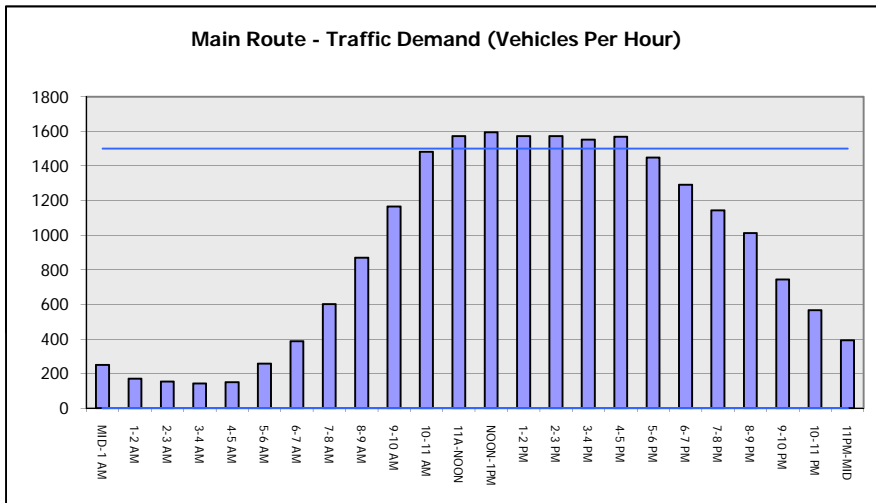
\*Delays Exceeding 15 Minutes

**IH 39/90: STH 11 TO STATE LINE (ROCK COUNTY)**  
**OFF-PEAK DAY CLOSURE**  
**DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - STH 11**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SUNDAY WESTBOUND DIRECTION**



<b>IH 39/90: STH 11 TO STATE LINE (ROCK COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - STH 11</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	AVERAGE SPEEDS IN MPH				
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING				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	276	0.0	40	0.0	OFF	276	0	40	0.00	0	65.9	65.9	65.9	39.2	39.2
1-2 AM	186	0.0	27	0.0	OFF	186	0	27	0.00	0	66.0	66.0	66.0	39.4	39.4
2-3 AM	152	0.0	23	0.0	OFF	152	0	23	0.00	0	66.1	66.1	66.1	39.4	39.4
3-4 AM	130	0.0	19	0.0	OFF	130	0	19	0.00	0	66.1	66.1	66.1	39.5	39.5
4-5 AM	136	0.0	20	0.0	OFF	136	0	20	0.00	0	66.1	66.1	66.1	39.5	39.5
5-6 AM	186	0.0	27	0.0	OFF	186	0	27	0.00	0	66.0	66.0	66.0	39.4	39.4
6-7 AM	327	0.0	47	0.0	OFF	327	0	47	0.00	0	65.8	65.8	65.8	39.2	39.2
7-8 AM	553	0.0	80	0.0	OFF	553	0	80	0.00	0	65.3	65.3	65.3	38.8	38.8
8-9 AM	885	0.0	129	0.0	OFF	885	0	129	0.00	0	64.7	64.7	64.7	38.1	38.1
9-10 AM	1252	0.0	182	0.0	1499	1252	0	182	0.70	0	64.0	59.6	37.0	37.5	37.5
10-11 AM	1502	0.0	218	0.0	1499	1502	0	218	1.24	7	63.6	56.2	31.4	37.0	37.0
11A-NOON	1699	0.0	247	0.0	1500	1699	0	247	5.24	121	63.2	40.7	30.8	36.7	36.7
NOON-1PM	1722	0.0	250	0.0	1499	1722	0	250	13.23	336	63.2	26.4	30.8	36.6	36.6
1-2 PM	1762	0.0	256	0.0	1500	1684	79	335	21.55	558	63.1	19.3	30.8	36.6	35.6
2-3 PM	1864	0.0	271	0.0	1499	1550	314	585	25.56	664	62.9	17.1	30.8	36.4	32.5
3-4 PM	1846	0.0	268	0.0	1499	1490	356	624	26.09	678	63.0	16.8	30.8	36.4	32.0
4-5 PM	1791	0.0	260	0.0	1499	1478	313	574	25.42	660	63.0	17.1	30.8	36.5	32.6
5-6 PM	1764	0.0	256	0.0	1500	1487	278	534	24.91	646	63.1	17.5	30.8	36.6	33.1
6-7 PM	1646	0.0	239	0.0	1499	1453	193	431	23.67	612	63.3	18.1	30.8	36.8	34.4
7-8 PM	1528	0.0	222	0.0	OFF	1528	0	222	1.22	70	63.5	56.3	56.3	37.0	37.0
8-9 PM	1188	0.0	173	0.0	OFF	1188	0	173	0.00	0	64.1	64.1	64.1	37.6	37.6
9-10 PM	970	0.0	141	0.0	OFF	970	0	141	0.00	0	64.6	64.6	64.6	38.0	38.0
10-11 PM	646	0.0	94	0.0	OFF	646	0	94	0.00	0	65.2	65.2	65.2	38.6	38.6
11PM-MID	441	0.0	64	0.0	OFF	441	0	64	0.00	0	65.6	65.6	65.6	38.9	38.9

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0389
MAIN ROUTE WITH WORKS	0.0355
DIVERSION	0.1135

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$83,952
CONGESTED HOURS PER DAY*	6

\*Delays Exceeding 15 Minutes

**IH 39/90: STH 11 TO STATE LINE (ROCK COUNTY)**  
**OFF-PEAK DAY CLOSURE**  
**DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - STH 11**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SUNDAY EASTBOUND DIRECTION**

