

<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>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	1500	250	0	36	0.45	0	65.9	62.8	44.5	39.3	39.3
1-2 AM	171	0.0	25	0.0	1500	171	0	25	0.44	0	66.1	63.0	44.8	39.4	39.4
2-3 AM	153	0.0	23	0.0	1500	153	0	23	0.44	0	66.1	63.0	44.9	39.4	39.4
3-4 AM	142	0.0	21	0.0	1500	142	0	21	0.44	0	66.1	63.1	44.9	39.5	39.5
4-5 AM	149	0.0	22	0.0	1500	149	0	22	0.44	0	66.1	63.1	44.9	39.5	39.5
5-6 AM	257	0.0	37	0.0	1500	257	0	37	0.45	0	65.9	62.8	44.5	39.3	39.3
6-7 AM	386	0.0	56	0.0	1500	386	0	56	0.46	0	65.6	62.5	44.0	39.1	39.1
7-8 AM	601	0.0	87	0.0	1500	601	0	87	0.48	0	65.3	62.0	43.1	38.7	38.7
8-9 AM	870	0.0	127	0.0	1500	870	0	127	0.51	0	64.8	61.4	42.2	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	1499	1144	0	166	2.32	55	64.3	51.4	37.9	37.7	37.7
8-9 PM	1012	0.0	147	0.0	1500	1012	0	147	0.52	0	64.5	61.1	41.6	37.9	37.9
9-10 PM	743	0.0	108	0.0	1500	743	0	108	0.49	0	65.0	61.7	42.6	38.4	38.4
10-11 PM	566	0.0	82	0.0	1500	566	0	82	0.48	0	65.3	62.1	43.3	38.8	38.8
11PM-MID	392	0.0	57	0.0	1500	392	0	57	0.46	0	65.6	62.5	43.9	39.1	39.1

*----- 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	0.0345
MAIN ROUTE WITH WORKS	0.0330
DIVERSION	0.0702

PIA: Personal Injury Accidents

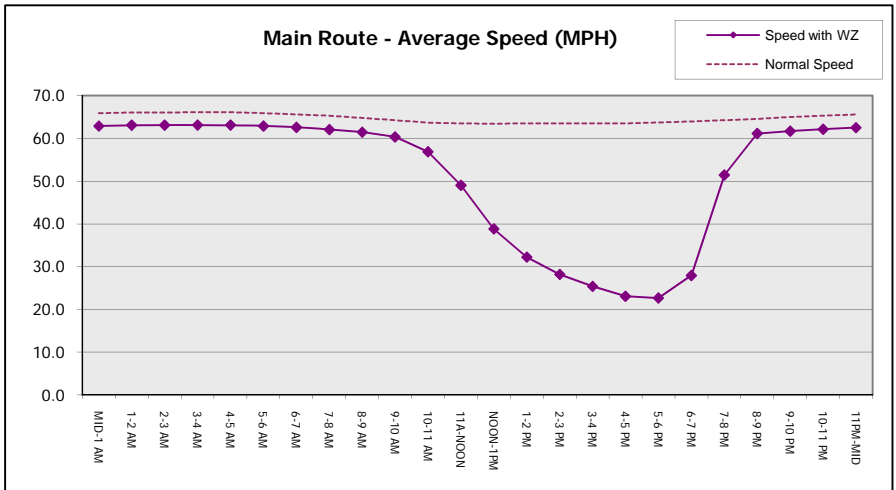
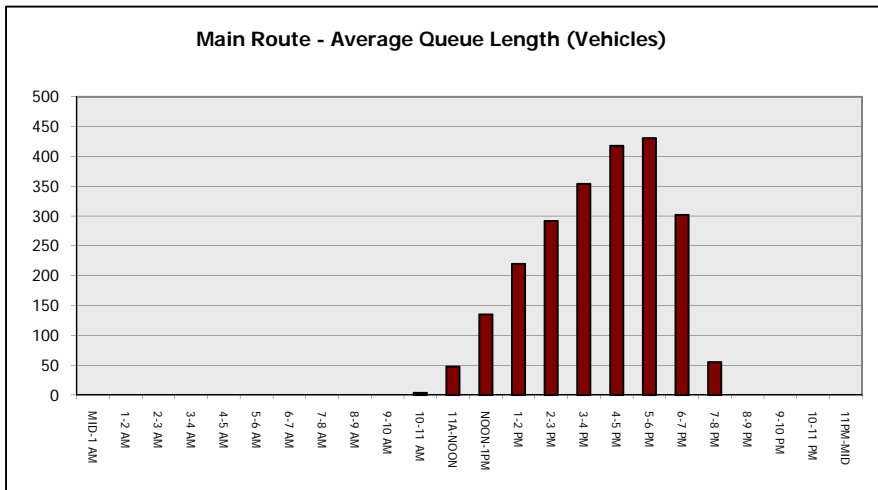
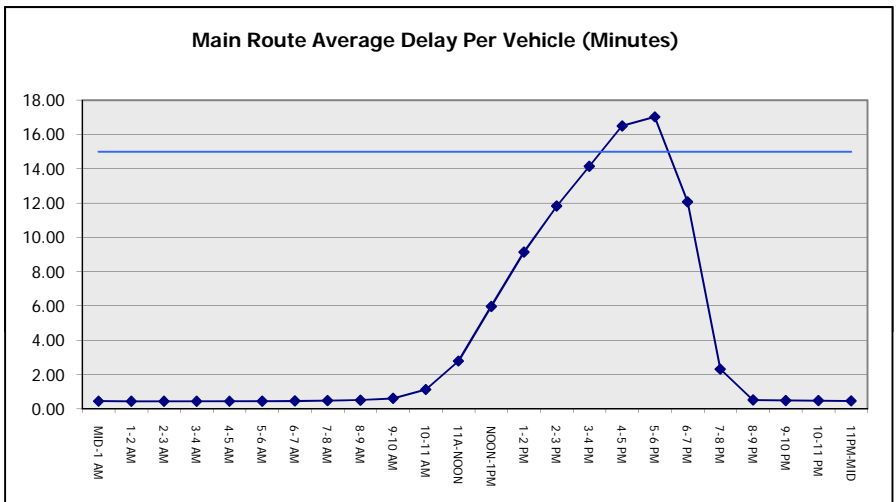
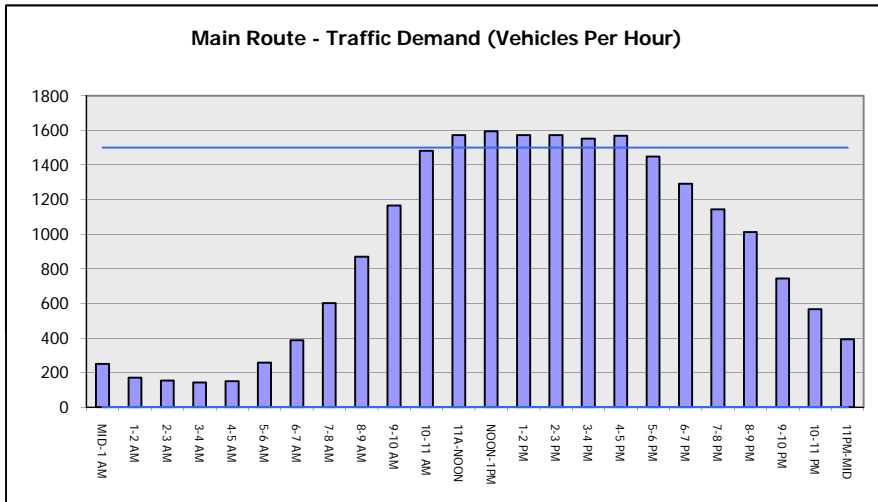
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$41,475
CONGESTED HOURS PER DAY*	2

\*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**

**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>CONTINUOUS (24 HOUR) 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	1500	276	0	40	0.45	0	65.9	62.8	44.4	39.2	39.2
1-2 AM	186	0.0	27	0.0	1500	186	0	27	0.44	0	66.0	63.0	44.7	39.4	39.4
2-3 AM	152	0.0	23	0.0	1500	152	0	23	0.44	0	66.1	63.0	44.9	39.4	39.4
3-4 AM	130	0.0	19	0.0	1500	130	0	19	0.44	0	66.1	63.1	45.0	39.5	39.5
4-5 AM	136	0.0	20	0.0	1500	136	0	20	0.44	0	66.1	63.1	45.0	39.5	39.5
5-6 AM	186	0.0	27	0.0	1500	186	0	27	0.44	0	66.0	63.0	44.7	39.4	39.4
6-7 AM	327	0.0	47	0.0	1500	327	0	47	0.45	0	65.8	62.7	44.2	39.2	39.2
7-8 AM	553	0.0	80	0.0	1500	553	0	80	0.48	0	65.3	62.1	43.3	38.8	38.8
8-9 AM	885	0.0	129	0.0	1500	885	0	129	0.51	0	64.7	61.4	42.1	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	1500	1452	76	298	22.17	570	63.5	18.9	30.8	37.0	36.0
8-9 PM	1188	0.0	173	0.0	1499	1188	0	173	15.60	404	64.1	24.0	31.1	37.6	37.6
9-10 PM	970	0.0	141	0.0	1500	970	0	141	2.23	57	64.6	52.1	39.9	38.0	38.0
10-11 PM	646	0.0	94	0.0	1500	646	0	94	0.49	0	65.2	61.9	43.0	38.6	38.6
11PM-MID	441	0.0	64	0.0	1500	441	0	64	0.47	0	65.6	62.4	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	0.0389
MAIN ROUTE WITH WORKS	0.0348
DIVERSION	0.1152

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$102,550
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**

**MAY**  
 Analyzed for 2009  
 Construction Season

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

**SUNDAY EASTBOUND DIRECTION**

