

<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>OCTOBER</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	260	0.0	38	0.0	OFF	260	0	38	0.00	0	65.9	65.9	65.9	39.2	39.2
1-2 AM	188	0.0	28	0.0	OFF	188	0	28	0.00	0	66.0	66.0	66.0	39.4	39.4
2-3 AM	147	0.0	22	0.0	OFF	147	0	22	0.00	0	66.1	66.1	66.1	39.5	39.5
3-4 AM	116	0.0	16	0.0	OFF	116	0	16	0.00	0	66.2	66.2	66.2	39.6	39.6
4-5 AM	150	0.0	22	0.0	OFF	150	0	22	0.00	0	66.1	66.1	66.1	39.5	39.5
5-6 AM	230	0.0	33	0.0	OFF	230	0	33	0.00	0	66.0	66.0	66.0	39.3	39.3
6-7 AM	356	0.0	51	0.0	OFF	356	0	51	0.00	0	65.7	65.7	65.7	39.1	39.1
7-8 AM	526	0.0	76	0.0	OFF	526	0	76	0.00	0	65.4	65.4	65.4	38.8	38.8
8-9 AM	810	0.0	117	0.0	OFF	810	0	117	0.00	0	64.9	64.9	64.9	38.3	38.3
9-10 AM	1170	0.0	170	0.0	1499	1170	0	170	0.62	0	64.2	60.2	39.0	37.6	37.6
10-11 AM	1532	0.0	222	0.0	1499	1532	0	222	1.46	13	63.5	55.0	31.2	37.0	37.0
11A-NOON	1778	0.0	258	0.0	1500	1778	0	258	7.28	181	63.1	35.7	30.8	36.5	36.5
NOON-1PM	1886	0.0	274	0.0	1500	1826	60	333	19.53	513	62.8	20.6	30.8	36.3	35.6
1-2 PM	1836	0.0	267	0.0	1499	1512	324	591	25.64	666	63.0	17.1	30.8	36.5	32.4
2-3 PM	1881	0.0	273	0.0	1500	1520	361	634	26.22	682	62.9	16.8	30.8	36.3	31.9
3-4 PM	1871	0.0	272	0.0	1499	1498	374	645	26.38	686	62.9	16.7	30.8	36.4	31.7
4-5 PM	1933	0.0	281	0.0	1500	1518	415	696	27.09	706	62.8	16.3	30.8	36.3	31.1
5-6 PM	1693	0.0	246	0.0	1499	1397	297	543	25.05	650	63.2	17.4	30.8	36.7	33.0
6-7 PM	1480	0.0	215	0.0	1500	1418	62	278	21.88	563	63.7	19.1	30.8	37.1	36.3
7-8 PM	1197	0.0	174	0.0	OFF	1197	0	174	0.87	48	64.1	58.7	58.7	37.6	37.6
8-9 PM	972	0.0	141	0.0	OFF	972	0	141	0.00	0	64.6	64.6	64.6	38.0	38.0
9-10 PM	800	0.0	116	0.0	OFF	800	0	116	0.00	0	64.9	64.9	64.9	38.3	38.3
10-11 PM	505	0.0	73	0.0	OFF	505	0	73	0.00	0	65.5	65.5	65.5	38.8	38.8
11PM-MID	396	0.0	58	0.0	OFF	396	0	58	0.00	0	65.6	65.6	65.6	39.0	39.0

"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	0.0377
MAIN ROUTE WITH WORKS	0.0337
DIVERSION	0.1191

PIA: Personal Injury Accidents

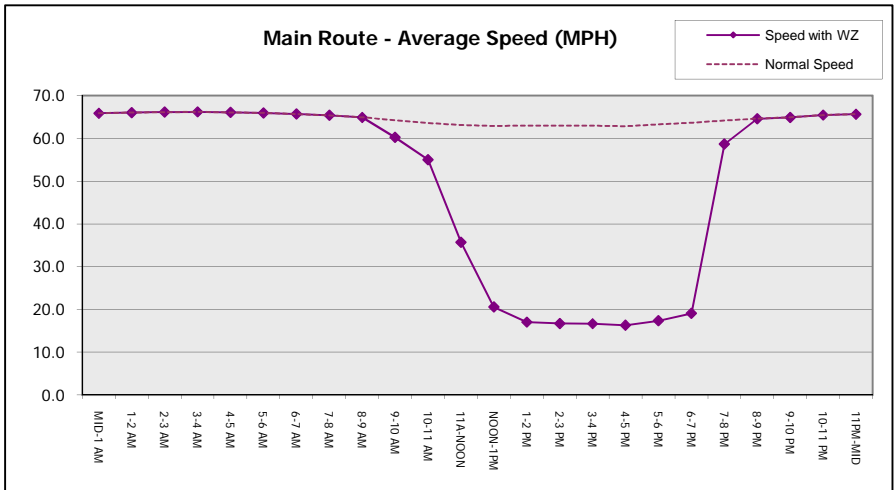
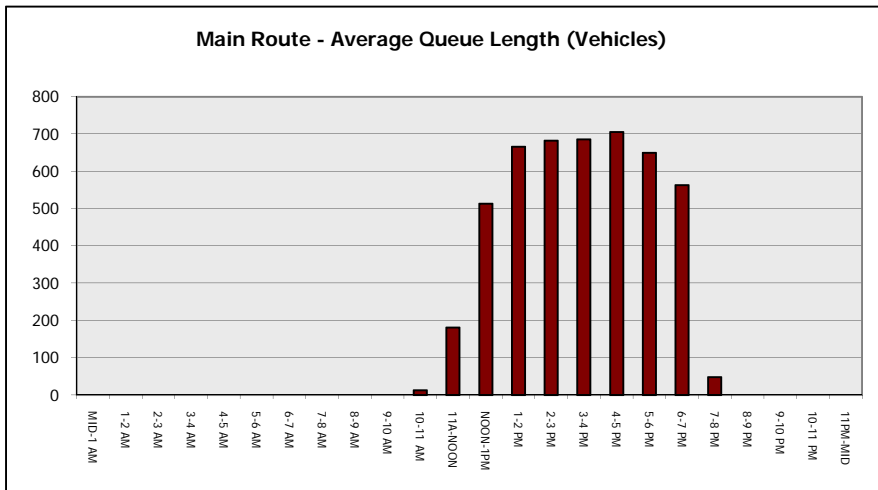
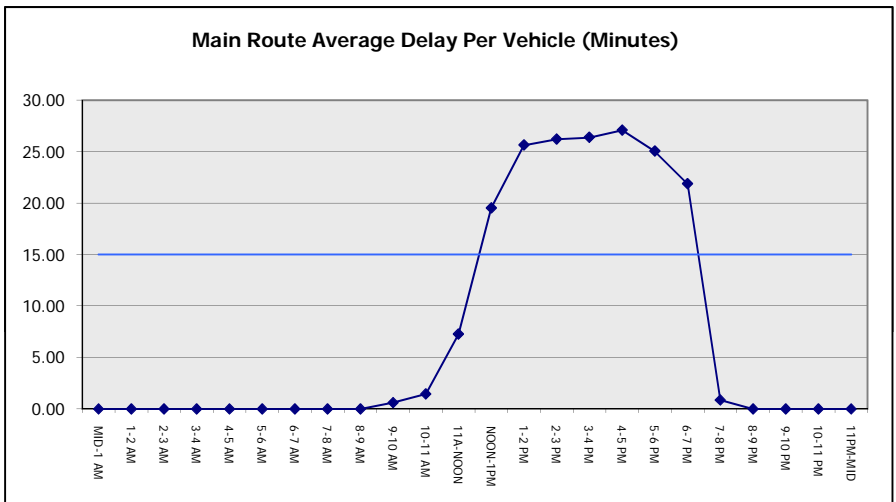
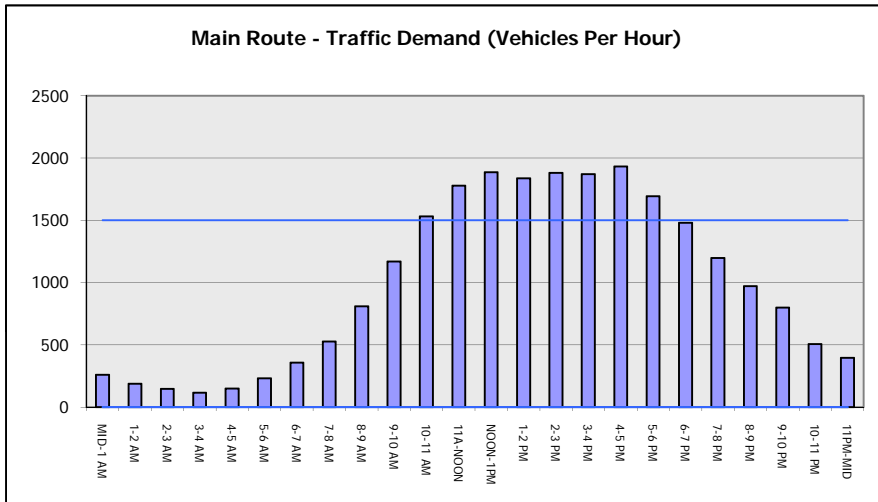
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$101,410
CONGESTED HOURS PER DAY*	7

\*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**

**OCTOBER**  
 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>OCTOBER</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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		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	300	0.0	43	0.0	OFF	300	0	43	0.00	0	65.8	65.8	65.8	39.2	39.2
1-2 AM	230	0.0	33	0.0	OFF	230	0	33	0.00	0	66.0	66.0	66.0	39.3	39.3
2-3 AM	186	0.0	27	0.0	OFF	186	0	27	0.00	0	66.0	66.0	66.0	39.4	39.4
3-4 AM	156	0.0	23	0.0	OFF	156	0	23	0.00	0	66.1	66.1	66.1	39.4	39.4
4-5 AM	160	0.0	23	0.0	OFF	160	0	23	0.00	0	66.1	66.1	66.1	39.4	39.4
5-6 AM	199	0.0	29	0.0	OFF	199	0	29	0.00	0	66.0	66.0	66.0	39.4	39.4
6-7 AM	329	0.0	47	0.0	OFF	329	0	47	0.00	0	65.8	65.8	65.8	39.2	39.2
7-8 AM	548	0.0	79	0.0	OFF	548	0	79	0.00	0	65.4	65.4	65.4	38.8	38.8
8-9 AM	933	0.0	136	0.0	OFF	933	0	136	0.00	0	64.6	64.6	64.6	38.1	38.1
9-10 AM	1420	0.0	206	0.0	1499	1420	0	206	1.08	5	63.7	57.2	33.2	37.2	37.2
10-11 AM	1933	0.0	281	0.0	1500	1933	0	281	7.78	210	62.8	34.6	30.8	36.3	36.3
11A-NOON	2330	0.0	339	0.0	1498	1945	383	722	27.25	724	62.0	16.3	30.7	35.5	30.7
NOON-1PM	2647	0.0	384	0.0	1500	1730	917	1301+	38.21	1023	59.4	12.4	30.8	35.0	23.6
1-2 PM	2712	0.0	394	0.0	1500	1599	1113	1507+	43.99	1180	58.7	11.1	30.8	34.8	21.1
2-3 PM	2855	0.0	415	0.0	1500	1635	1220	1635+	48.15	1300	57.3	10.2	30.8	34.6	19.4
3-4 PM	2884	0.0	419	0.0	1500	1499	1385	1804+	50.63	1367	56.9	9.8	30.8	34.5	18.6
4-5 PM	2811	0.0	409	0.0	1500	1486	1326	1734+	50.64	1364	57.7	9.8	30.8	34.7	18.7
5-6 PM	2399	0.0	348	0.0	1500	1210	1188	1537+	45.47	1209	61.9	10.9	30.8	35.4	20.7
6-7 PM	2121	0.0	308	0.0	1500	1257	863	1171	35.62	941	62.4	13.2	30.8	35.9	25.2
7-8 PM	1619	0.0	236	0.0	OFF	1619	0	236	2.39	140	63.3	50.6	50.6	36.8	36.8
8-9 PM	1198	0.0	174	0.0	OFF	1198	0	174	0.00	0	64.1	64.1	64.1	37.6	37.6
9-10 PM	806	0.0	117	0.0	OFF	806	0	117	0.00	0	64.9	64.9	64.9	38.3	38.3
10-11 PM	550	0.0	80	0.0	OFF	550	0	80	0.00	0	65.4	65.4	65.4	38.8	38.8
11PM-MID	396	0.0	58	0.0	OFF	396	0	58	0.00	0	65.6	65.6	65.6	39.0	39.0

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

+ 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	0.0505
MAIN ROUTE WITH WORKS	0.0361
DIVERSION	0.2903

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$283,983
CONGESTED HOURS PER DAY*	8

\*Delays Exceeding 15 Minutes

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**OFF-PEAK DAY CLOSURE**  
**DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - STH 11**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY EASTBOUND DIRECTION**

