

<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**

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	313	0.0	45	0.0	OFF	313	0	45	0.00	0	65.8	65.8	65.8	39.2	39.2
1-2 AM	256	0.0	37	0.0	OFF	256	0	37	0.00	0	65.9	65.9	65.9	39.3	39.3
2-3 AM	297	0.0	43	0.0	OFF	297	0	43	0.00	0	65.8	65.8	65.8	39.2	39.2
3-4 AM	303	0.0	44	0.0	OFF	303	0	44	0.00	0	65.8	65.8	65.8	39.2	39.2
4-5 AM	476	0.0	69	0.0	OFF	476	0	69	0.00	0	65.5	65.5	65.5	38.9	38.9
5-6 AM	905	0.0	132	0.0	OFF	905	0	132	0.00	0	64.7	64.7	64.7	38.1	38.1
6-7 AM	1371	0.0	199	0.0	OFF	1371	0	199	0.00	0	63.8	63.8	63.8	37.3	37.3
7-8 AM	1420	0.0	206	0.0	OFF	1420	0	206	0.00	0	63.7	63.7	63.7	37.2	37.2
8-9 AM	1227	0.0	178	0.0	OFF	1227	0	178	0.00	0	64.1	64.1	64.1	37.5	37.5
9-10 AM	1212	0.0	176	0.0	1500	1212	0	176	0.65	0	64.1	59.9	38.1	37.6	37.6
10-11 AM	1286	0.0	186	0.0	1500	1286	0	186	0.75	0	64.0	59.2	35.9	37.4	37.4
11A-NOON	1333	0.0	194	0.0	1500	1333	0	194	0.81	0	63.9	58.8	34.7	37.3	37.3
NOON-1PM	1332	0.0	194	0.0	1500	1332	0	194	0.81	0	63.9	58.8	34.7	37.3	37.3
1-2 PM	1398	0.0	203	0.0	1500	1398	0	203	0.89	0	63.8	58.2	33.0	37.2	37.2
2-3 PM	1426	0.0	207	0.0	1499	1426	0	207	0.93	0	63.7	58.0	32.4	37.2	37.2
3-4 PM	1560	0.0	227	0.0	1499	1560	0	227	1.90	24	63.5	52.8	30.8	36.9	36.9
4-5 PM	1589	0.0	231	0.0	OFF	1589	0	231	0.03	0	63.4	63.2	63.2	36.9	36.9
5-6 PM	1347	0.0	196	0.0	OFF	1347	0	196	0.00	0	63.9	63.9	63.9	37.3	37.3
6-7 PM	1050	0.0	152	0.0	OFF	1050	0	152	0.00	0	64.5	64.5	64.5	37.9	37.9
7-8 PM	895	0.0	130	0.0	OFF	895	0	130	0.00	0	64.7	64.7	64.7	38.1	38.1
8-9 PM	821	0.0	119	0.0	OFF	821	0	119	0.00	0	64.8	64.8	64.8	38.3	38.3
9-10 PM	690	0.0	100	0.0	OFF	690	0	100	0.00	0	65.1	65.1	65.1	38.5	38.5
10-11 PM	534	0.0	77	0.0	OFF	534	0	77	0.00	0	65.4	65.4	65.4	38.8	38.8
11PM-MID	357	0.0	51	0.0	OFF	357	0	51	0.00	0	65.7	65.7	65.7	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	0.0372
MAIN ROUTE WITH WORKS	0.0366
DIVERSION	0.0758

PIA: Personal Injury Accidents

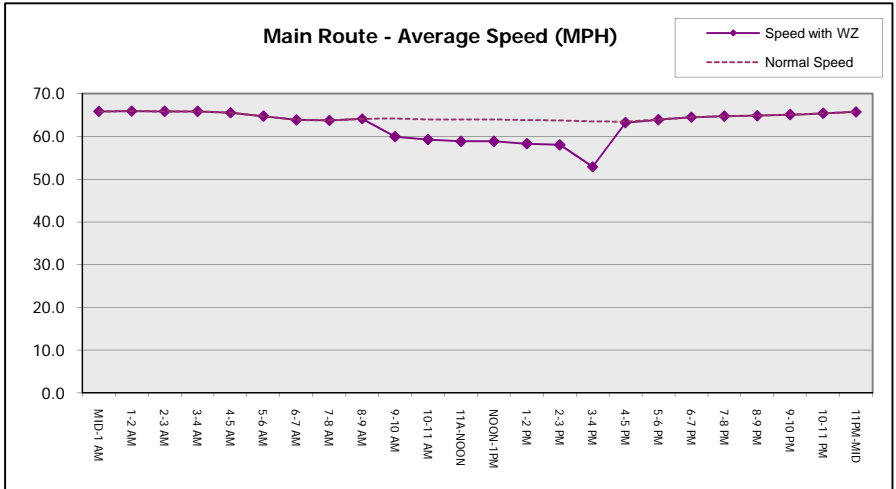
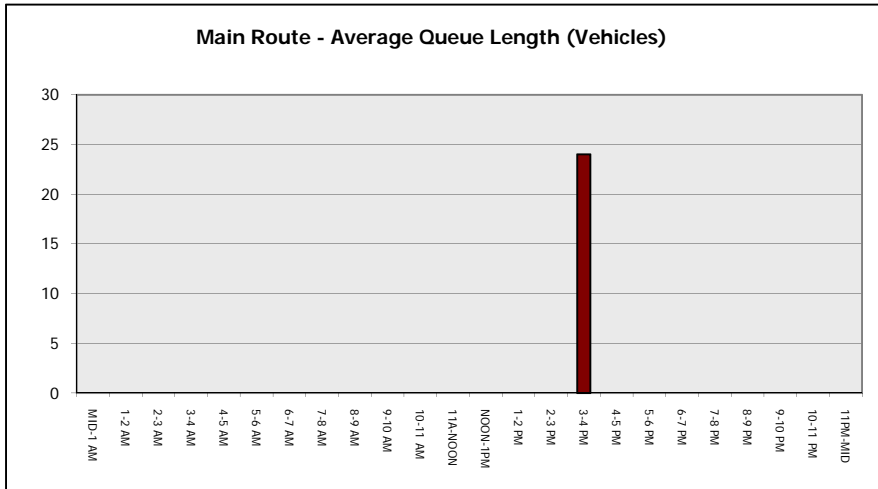
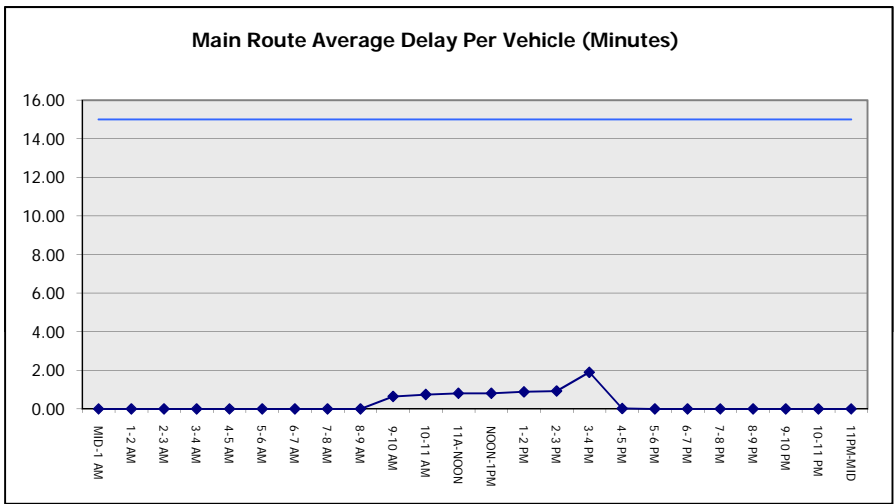
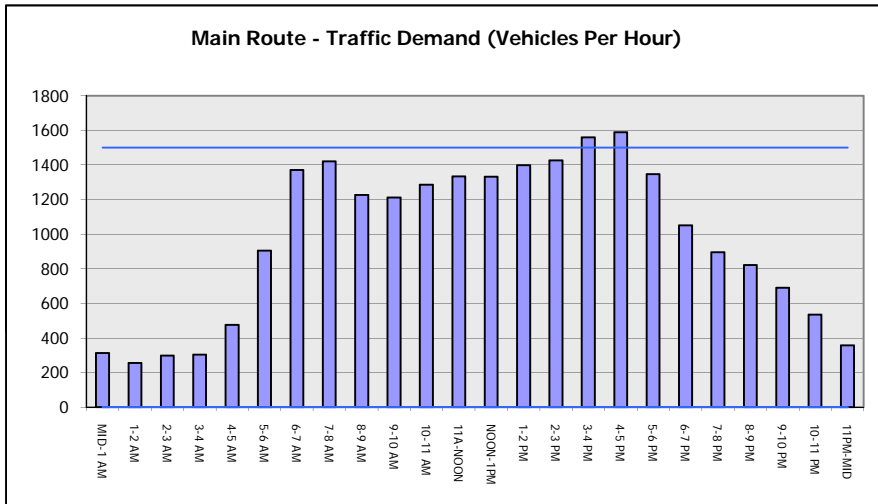
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,536
CONGESTED HOURS PER DAY*	0

\*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**  
**MON-THUR 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**

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	309	0.0	45	0.0	OFF	309	0	45	0.00	0	65.8	65.8	65.8	39.2	39.2
1-2 AM	260	0.0	38	0.0	OFF	260	0	38	0.00	0	65.9	65.9	65.9	39.2	39.2
2-3 AM	287	0.0	42	0.0	OFF	287	0	42	0.00	0	65.8	65.8	65.8	39.2	39.2
3-4 AM	347	0.0	50	0.0	OFF	347	0	50	0.00	0	65.8	65.8	65.8	39.1	39.1
4-5 AM	447	0.0	65	0.0	OFF	447	0	65	0.00	0	65.6	65.6	65.6	38.9	38.9
5-6 AM	649	0.0	95	0.0	OFF	649	0	95	0.00	0	65.2	65.2	65.2	38.6	38.6
6-7 AM	951	0.0	138	0.0	OFF	951	0	138	0.00	0	64.6	64.6	64.6	38.0	38.0
7-8 AM	1250	0.0	181	0.0	OFF	1250	0	181	0.00	0	64.1	64.1	64.1	37.5	37.5
8-9 AM	1206	0.0	175	0.0	OFF	1206	0	175	0.00	0	64.1	64.1	64.1	37.6	37.6
9-10 AM	1264	0.0	183	0.0	1500	1264	0	183	0.72	0	64.0	59.4	36.5	37.4	37.4
10-11 AM	1333	0.0	194	0.0	1500	1333	0	194	0.81	0	63.9	58.8	34.7	37.3	37.3
11A-NOON	1417	0.0	206	0.0	1499	1417	0	206	0.92	0	63.7	58.1	32.6	37.2	37.2
NOON-1PM	1490	0.0	216	0.0	1499	1490	0	216	1.06	1	63.6	57.2	31.1	37.1	37.1
1-2 PM	1597	0.0	232	0.0	1500	1597	0	232	2.65	46	63.4	49.5	30.8	36.9	36.9
2-3 PM	1746	0.0	253	0.0	1500	1746	0	253	8.62	214	63.2	33.1	30.8	36.6	36.6
3-4 PM	1937	0.0	281	0.0	1500	1840	98	379	20.46	539	62.8	20.0	30.8	36.3	35.0
4-5 PM	2011	0.0	292	0.0	OFF	2011	0	292	2.40	119	62.7	50.1	50.1	36.1	36.1
5-6 PM	1824	0.0	265	0.0	OFF	1824	0	265	0.00	0	63.0	63.0	63.0	36.5	36.5
6-7 PM	1354	0.0	197	0.0	OFF	1354	0	197	0.00	0	63.8	63.8	63.8	37.3	37.3
7-8 PM	1036	0.0	150	0.0	OFF	1036	0	150	0.00	0	64.5	64.5	64.5	37.9	37.9
8-9 PM	850	0.0	124	0.0	OFF	850	0	124	0.00	0	64.8	64.8	64.8	38.2	38.2
9-10 PM	711	0.0	103	0.0	OFF	711	0	103	0.00	0	65.1	65.1	65.1	38.4	38.4
10-11 PM	537	0.0	78	0.0	OFF	537	0	78	0.00	0	65.4	65.4	65.4	38.8	38.8
11PM-MID	374	0.0	55	0.0	OFF	374	0	55	0.00	0	65.7	65.7	65.7	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	0.0401
MAIN ROUTE WITH WORKS	0.0392
DIVERSION	0.0839

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$11,104
CONGESTED HOURS PER DAY*	1

\*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**  
**MON-THUR EASTBOUND DIRECTION**

