

<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**

**SATURDAY 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	496	0.0	72	0.0	1500	496	0	72	0.47	0	65.5	62.3	43.5	38.9	38.9
1-2 AM	387	0.0	57	0.0	1500	387	0	57	0.46	0	65.6	62.5	44.0	39.1	39.1
2-3 AM	375	0.0	55	0.0	1500	375	0	55	0.46	0	65.7	62.5	44.0	39.1	39.1
3-4 AM	316	0.0	46	0.0	1500	316	0	46	0.45	0	65.8	62.7	44.2	39.2	39.2
4-5 AM	353	0.0	51	0.0	1500	353	0	51	0.46	0	65.7	62.6	44.1	39.1	39.1
5-6 AM	554	0.0	80	0.0	1500	554	0	80	0.48	0	65.3	62.1	43.3	38.8	38.8
6-7 AM	889	0.0	129	0.0	1500	889	0	129	0.51	0	64.7	61.4	42.0	38.1	38.1
7-8 AM	1363	0.0	198	0.0	1499	1363	0	198	0.84	0	63.8	58.6	34.2	37.3	37.3
8-9 AM	1859	0.0	270	0.0	1499	1859	0	270	5.74	149	62.9	39.2	30.8	36.4	36.4
9-10 AM	2339	0.0	340	0.0	1500	2029	309	649	24.67	666	62.0	17.5	30.8	35.5	31.7
10-11 AM	2609	0.0	379	0.0	1500	1710	898	1277+	37.68	1007	59.8	12.5	30.8	35.0	23.9
11A-NOON	2510	0.0	364	0.0	1500	1473	1037	1402+	41.15	1094	60.8	11.7	30.8	35.2	22.4
NOON-1PM	2288	0.0	332	0.0	1500	1354	935	1267+	37.82	999	62.1	12.6	30.8	35.6	24.0
1-2 PM	2075	0.0	302	0.0	1500	1361	714	1015	32.41	852	62.5	14.3	30.8	36.0	27.1
2-3 PM	1913	0.0	278	0.0	1500	1413	500	778	28.33	740	62.8	15.8	30.8	36.3	30.1
3-4 PM	1772	0.0	257	0.0	1500	1437	334	592	25.67	667	63.1	17.0	30.8	36.6	32.4
4-5 PM	1598	0.0	232	0.0	1500	1435	163	394	23.25	600	63.4	18.3	30.8	36.9	34.8
5-6 PM	1444	0.0	210	0.0	1500	1427	17	227	21.03	539	63.7	19.7	30.8	37.1	36.9
6-7 PM	1272	0.0	184	0.0	1499	1272	0	184	15.53	396	64.0	24.1	30.8	37.4	37.4
7-8 PM	1078	0.0	156	0.0	1499	1078	0	156	3.32	93	64.4	47.4	38.0	37.8	37.8
8-9 PM	1004	0.0	146	0.0	1500	1004	0	146	0.52	0	64.5	61.1	41.7	37.9	37.9
9-10 PM	821	0.0	119	0.0	1500	821	0	119	0.50	0	64.8	61.5	42.3	38.3	38.3
10-11 PM	603	0.0	87	0.0	1500	603	0	87	0.48	0	65.3	62.0	43.1	38.7	38.7
11PM-MID	468	0.0	68	0.0	1500	468	0	68	0.47	0	65.5	62.3	43.7	38.9	38.9

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.0483
MAIN ROUTE WITH WORKS	0.0389
DIVERSION	0.2080

PIA: Personal Injury Accidents

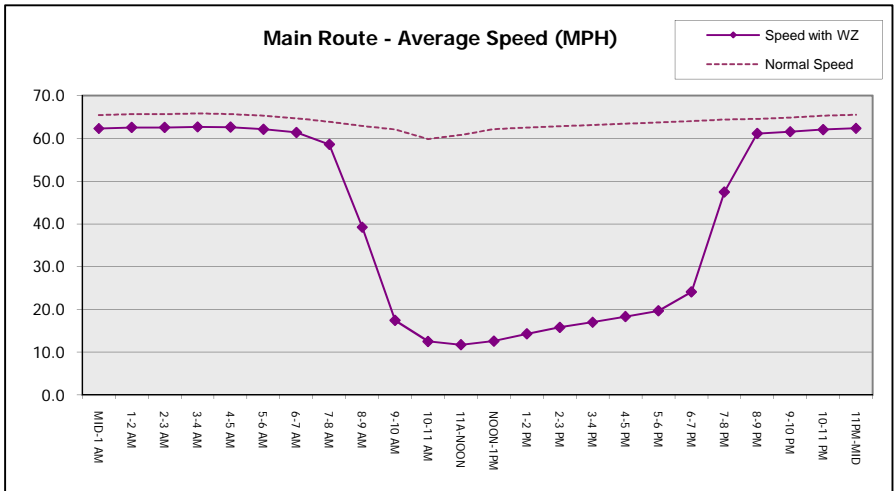
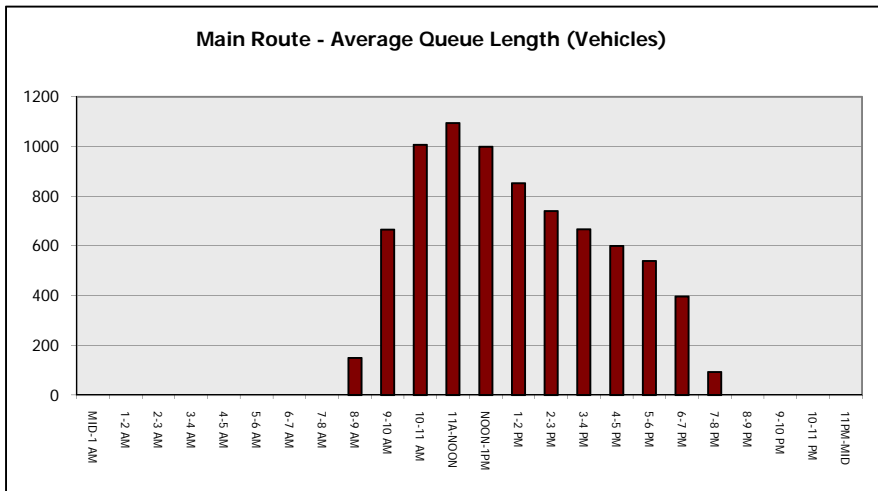
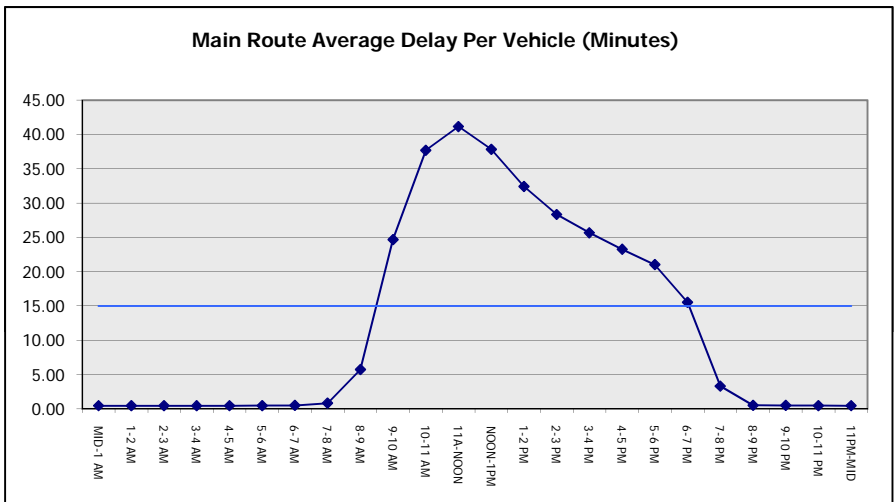
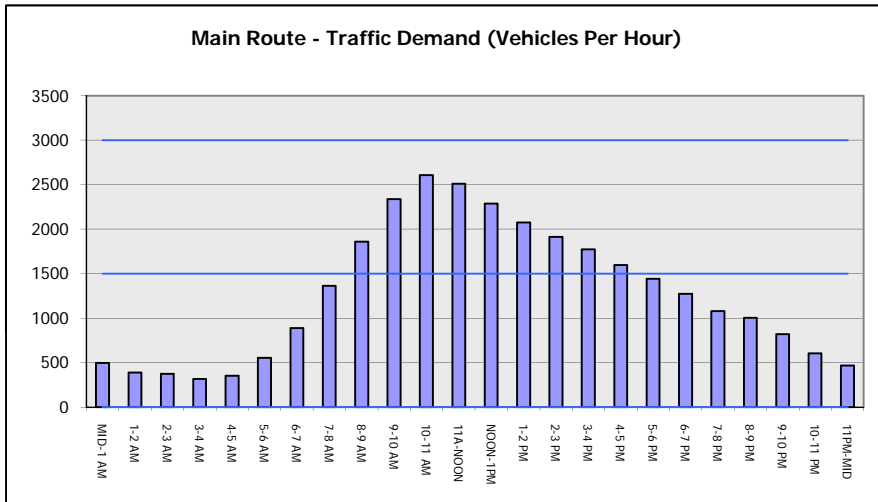
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$193,875
CONGESTED HOURS PER DAY*	10

\*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**  
**SATURDAY 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**

SATURDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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	517	0.0	75	0.0	1500	517	0	75	0.47	0	65.4	62.2	43.5	38.8	38.8
1-2 AM	356	0.0	51	0.0	1500	356	0	51	0.46	0	65.7	62.6	44.1	39.1	39.1
2-3 AM	340	0.0	49	0.0	1500	340	0	49	0.46	0	65.8	62.6	44.2	39.1	39.1
3-4 AM	326	0.0	47	0.0	1500	326	0	47	0.45	0	65.8	62.7	44.2	39.2	39.2
4-5 AM	346	0.0	50	0.0	1500	346	0	50	0.46	0	65.8	62.6	44.1	39.1	39.1
5-6 AM	355	0.0	51	0.0	1500	355	0	51	0.46	0	65.7	62.6	44.1	39.1	39.1
6-7 AM	539	0.0	78	0.0	1500	539	0	78	0.47	0	65.4	62.2	43.3	38.8	38.8
7-8 AM	883	0.0	129	0.0	1500	883	0	129	0.51	0	64.8	61.4	42.1	38.1	38.1
8-9 AM	1230	0.0	179	0.0	1499	1230	0	179	0.67	0	64.1	59.8	37.7	37.5	37.5
9-10 AM	1600	0.0	233	0.0	1499	1600	0	233	1.87	25	63.4	53.0	30.8	36.8	36.8
10-11 AM	2021	0.0	293	0.0	1500	2021	0	293	12.35	340	62.6	27.3	30.8	36.1	36.1
11A-NOON	2239	0.0	325	0.0	1499	1742	496	822	28.94	761	62.2	15.5	30.8	35.7	29.6
NOON-1PM	2468	0.0	358	0.0	1499	1648	820	1178	35.58	942	61.2	13.2	30.8	35.3	25.1
1-2 PM	2498	0.0	363	0.0	1499	1538	961	1324+	39.06	1037	60.9	12.2	30.8	35.2	23.3
2-3 PM	2355	0.0	342	0.0	1499	1420	936	1278+	38.05	1005	62.0	12.5	30.8	35.5	23.8
3-4 PM	2371	0.0	344	0.0	1499	1491	880	1224+	36.74	970	62.0	12.9	30.8	35.5	24.5
4-5 PM	2155	0.0	313	0.0	1499	1374	780	1093	33.93	893	62.3	13.8	30.8	35.8	26.1
5-6 PM	2062	0.0	300	0.0	1499	1433	629	929	30.81	808	62.5	14.8	30.8	36.0	28.2
6-7 PM	1692	0.0	246	0.0	1499	1332	361	607	25.90	674	63.2	17.0	30.8	36.7	32.2
7-8 PM	1425	0.0	207	0.0	1500	1385	39	246	21.12	542	63.7	19.6	30.8	37.2	36.7
8-9 PM	1262	0.0	183	0.0	1499	1262	0	183	14.74	375	64.0	24.8	30.8	37.4	37.4
9-10 PM	1071	0.0	155	0.0	1499	1071	0	155	2.91	79	64.4	49.1	38.2	37.8	37.8
10-11 PM	849	0.0	124	0.0	1500	849	0	124	0.50	0	64.8	61.5	42.2	38.2	38.2
11PM-MID	599	0.0	87	0.0	1500	599	0	87	0.48	0	65.3	62.0	43.2	38.7	38.7

+ 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	0.0502
MAIN ROUTE WITH WORKS	0.0391
DIVERSION	0.2341

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$216,422
CONGESTED HOURS PER DAY*	9

\*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**  
**SATURDAY EASTBOUND DIRECTION**

