

**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

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	324	0.0	47	0.0	1500	324	0	47	0.45	0	65.8	62.7	44.2	39.2	39.2
1-2 AM	210	0.0	31	0.0	1500	210	0	31	0.44	0	66.0	62.9	44.6	39.4	39.4
2-3 AM	195	0.0	28	0.0	1500	195	0	28	0.44	0	66.0	63.0	44.7	39.4	39.4
3-4 AM	151	0.0	22	0.0	1500	151	0	22	0.44	0	66.1	63.1	44.9	39.5	39.5
4-5 AM	174	0.0	25	0.0	1500	174	0	25	0.44	0	66.1	63.0	44.8	39.4	39.4
5-6 AM	246	0.0	36	0.0	1500	246	0	36	0.45	0	66.0	62.8	44.5	39.3	39.3
6-7 AM	388	0.0	57	0.0	1500	388	0	57	0.46	0	65.6	62.5	44.0	39.1	39.1
7-8 AM	681	0.0	99	0.0	1500	681	0	99	0.49	0	65.1	61.9	42.8	38.5	38.5
8-9 AM	1071	0.0	155	0.0	1499	1071	0	155	0.57	0	64.4	60.7	40.4	37.8	37.8
9-10 AM	1594	0.0	232	0.0	1499	1594	0	232	1.88	26	63.4	52.9	31.1	36.9	36.9
10-11 AM	2009	0.0	292	0.0	1500	2009	0	292	12.39	339	62.7	27.3	30.8	36.1	36.1
11A-NOON	2243	0.0	326	0.0	1499	1747	496	822	28.95	762	62.2	15.5	30.8	35.7	29.6
NOON-1PM	2374	0.0	345	0.0	1499	1590	783	1128	34.61	912	62.0	13.5	30.8	35.5	25.7
1-2 PM	2358	0.0	343	0.0	1499	1501	857	1200	36.20	955	62.0	13.0	30.8	35.5	24.8
2-3 PM	2314	0.0	337	0.0	1499	1468	846	1183	35.83	945	62.1	13.2	30.8	35.6	25.0
3-4 PM	2060	0.0	300	0.0	1499	1357	703	1002	32.16	845	62.5	14.3	30.8	36.0	27.3
4-5 PM	1954	0.0	284	0.0	1499	1436	518	802	28.70	750	62.7	15.6	30.8	36.2	29.8
5-6 PM	1694	0.0	246	0.0	1499	1387	307	553	25.18	654	63.2	17.3	30.8	36.7	32.9
6-7 PM	1459	0.0	212	0.0	1500	1414	45	257	21.53	553	63.7	19.4	30.8	37.1	36.6
7-8 PM	1458	0.0	212	0.0	1500	1458	0	212	19.67	502	63.7	20.6	30.8	37.1	37.1
8-9 PM	1203	0.0	175	0.0	1499	1203	0	175	13.29	342	64.1	26.5	31.4	37.6	37.6
9-10 PM	912	0.0	133	0.0	1500	912	0	133	1.38	29	64.7	56.3	41.7	38.1	38.1
10-11 PM	705	0.0	102	0.0	1500	705	0	102	0.49	0	65.1	61.8	42.7	38.5	38.5
11PM-MID	521	0.0	75	0.0	1500	521	0	75	0.47	0	65.4	62.2	43.4	38.8	38.8

----- 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	0.0450
MAIN ROUTE WITH WORKS	0.0362
DIVERSION	0.1935

PIA: Personal Injury Accidents

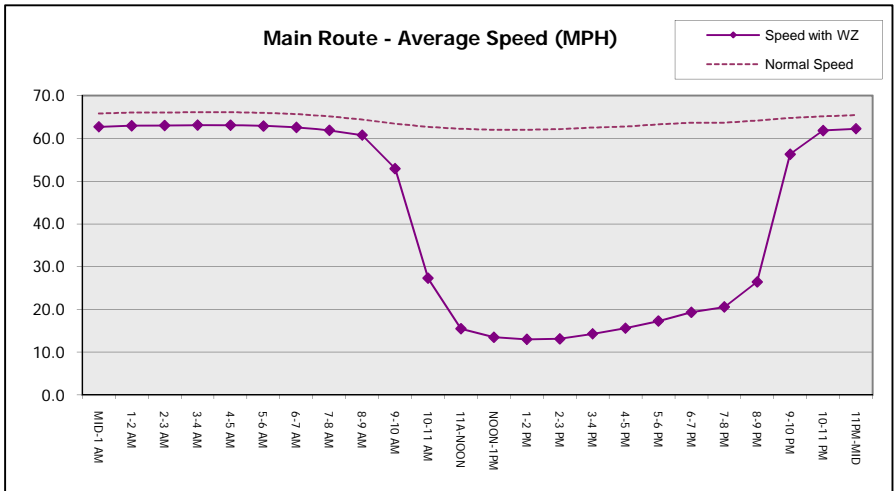
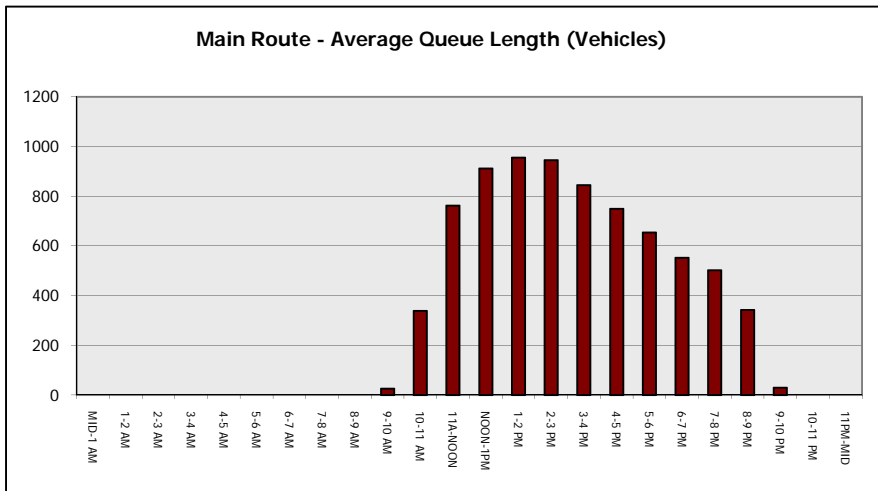
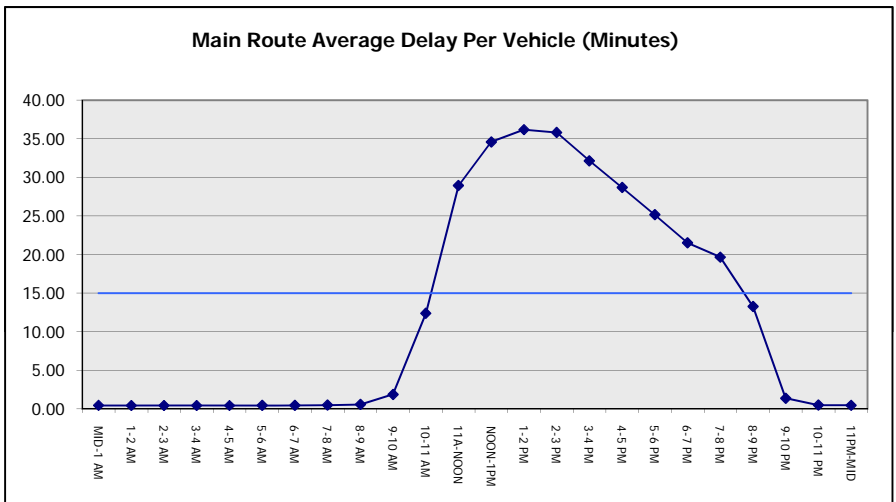
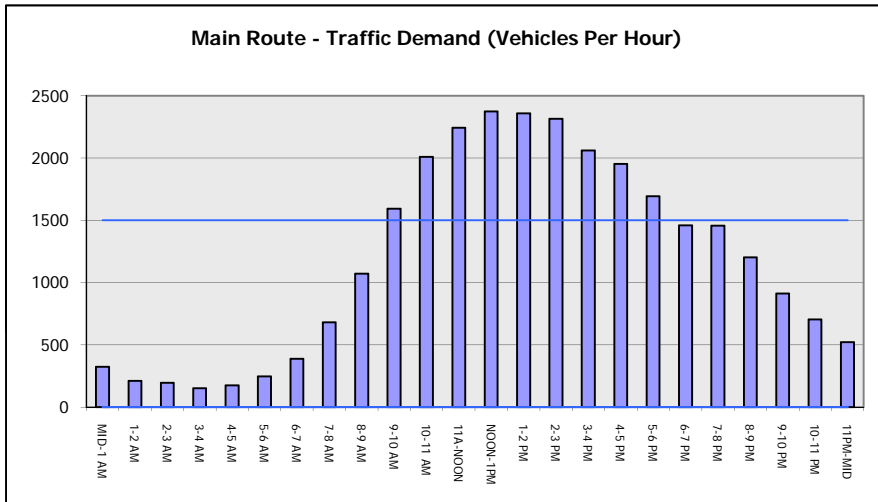
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$190,124
CONGESTED HOURS PER DAY*	9

*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
SUNDAY WESTBOUND DIRECTION



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

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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 DIVERTING	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	392	0.0	57	0.0	1500	392	0	57	0.46	0	65.6	62.5	43.9	39.1	39.1
1-2 AM	313	0.0	45	0.0	1500	313	0	45	0.45	0	65.8	62.7	44.2	39.2	39.2
2-3 AM	271	0.0	39	0.0	1500	271	0	39	0.45	0	65.9	62.8	44.4	39.2	39.2
3-4 AM	212	0.0	31	0.0	1500	212	0	31	0.44	0	66.0	62.9	44.6	39.4	39.4
4-5 AM	190	0.0	28	0.0	1500	190	0	28	0.44	0	66.0	63.0	44.7	39.4	39.4
5-6 AM	219	0.0	32	0.0	1500	219	0	32	0.44	0	66.0	62.9	44.6	39.4	39.4
6-7 AM	398	0.0	58	0.0	1500	398	0	58	0.46	0	65.6	62.5	43.9	39.0	39.0
7-8 AM	668	0.0	97	0.0	1500	668	0	97	0.49	0	65.1	61.9	42.8	38.6	38.6
8-9 AM	1065	0.0	154	0.0	1499	1065	0	154	0.57	0	64.4	60.7	40.3	37.8	37.8
9-10 AM	1663	0.0	242	0.0	1499	1663	0	242	2.32	41	63.3	50.9	30.8	36.8	36.8
10-11 AM	2395	0.0	348	0.0	1500	2214	182	530	18.79	537	61.9	21.1	30.8	35.4	33.2
11A-NOON	2913	0.0	423	0.0	1500	1932	982	1405+	40.52	1104	56.6	11.7	30.8	34.5	22.3
NOON-1PM	3072	0.0	447	0.0	1500	1500	1572	2018+	50.27	1367	55.0	9.8	30.8	34.2	18.6
1-2 PM	3199	0.0	465	0.0	1500	1500	1699	2164+	50.00	1367	53.7	9.8	30.8	34.0	18.6
2-3 PM	3252	0.0	472	0.0	1500	1500	1752	2224+	49.89	1367	53.2	9.8	30.8	33.9	18.6
3-4 PM	3349	0.0	486	0.0	1500	1500	1848	2334+	49.67	1367	52.2	9.8	30.8	33.7	18.6
4-5 PM	3086	0.0	449	0.0	1500	1500	1586	2035+	50.24	1367	54.9	9.8	30.8	34.2	18.6
5-6 PM	3078	0.0	447	0.0	1500	1500	1578	2024+	50.25	1367	55.0	9.8	30.8	34.2	18.6
6-7 PM	2893	0.0	420	0.0	1500	1516	1377	1797+	50.47	1364	56.9	9.8	30.8	34.5	18.7
7-8 PM	2527	0.0	367	0.0	1500	1313	1214	1582+	46.80	1249	60.6	10.6	30.8	35.2	20.1
8-9 PM	2085	0.0	303	0.0	1500	1164	920	1223+	36.81	975	62.5	12.9	30.8	36.0	24.5
9-10 PM	1476	0.0	214	0.0	1500	1195	281	495	24.35	636	63.7	17.8	30.8	37.1	33.6
10-11 PM	897	0.0	131	0.0	1499	897	0	131	7.11	231	64.7	36.6	37.0	38.1	38.1
11PM-MID	623	0.0	91	0.0	1500	623	0	91	0.48	0	65.2	62.0	43.0	38.6	38.6

+ 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	0.0640
MAIN ROUTE WITH WORKS	0.0385
DIVERSION	0.4651

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$486,748
CONGESTED HOURS PER DAY*	12

*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
SUNDAY EASTBOUND DIRECTION

