

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

FRIDAY 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	546	0.0	79	0.0	1500	546	0	79	0.48	0	65.4	62.2	43.3	38.8	38.8
1-2 AM	452	0.0	66	0.0	1500	452	0	66	0.47	0	65.5	62.3	43.7	38.9	38.9
2-3 AM	389	0.0	57	0.0	1500	389	0	57	0.46	0	65.6	62.5	43.9	39.1	39.1
3-4 AM	382	0.0	56	0.0	1500	382	0	56	0.46	0	65.7	62.5	44.0	39.1	39.1
4-5 AM	490	0.0	71	0.0	1500	490	0	71	0.47	0	65.5	62.3	43.5	38.9	38.9
5-6 AM	930	0.0	135	0.0	1499	930	0	135	0.51	0	64.6	61.3	41.9	38.1	38.1
6-7 AM	1408	0.0	205	0.0	1499	1408	0	205	0.92	0	63.8	58.1	33.0	37.2	37.2
7-8 AM	1701	0.0	247	0.0	1500	1701	0	247	4.15	92	63.2	44.0	30.8	36.7	36.7
8-9 AM	1736	0.0	252	0.0	1499	1736	0	252	12.36	314	63.2	27.4	30.8	36.6	36.6
9-10 AM	1908	0.0	277	0.0	1500	1761	147	424	22.58	590	62.8	18.7	30.8	36.3	34.5
10-11 AM	2216	0.0	322	0.0	1500	1662	555	877	29.86	784	62.3	15.2	30.8	35.8	28.9
11A-NOON	2400	0.0	349	0.0	1499	1611	788	1137	34.80	918	61.9	13.5	30.8	35.4	25.6
NOON-1PM	2494	0.0	362	0.0	1499	1572	922	1284+	38.06	1010	60.9	12.5	30.8	35.3	23.8
1-2 PM	2533	0.0	367	0.0	1499	1543	990	1358+	39.90	1061	60.5	12.0	30.8	35.2	22.9
2-3 PM	2722	0.0	395	0.0	1499	1642	1080	1475+	42.97	1153	58.6	11.2	30.8	34.8	21.4
3-4 PM	2958	0.0	429	0.0	1499	1657	1301	1730+	49.00	1328	56.2	10.1	30.8	34.4	19.1
4-5 PM	2867	0.0	417	0.0	1499	1493	1374	1791+	50.60	1366	57.1	9.8	30.8	34.6	18.6
5-6 PM	2764	0.0	401	0.0	1499	1449	1315	1717+	50.38	1354	58.2	9.9	30.8	34.8	18.8
6-7 PM	2547	0.0	370	0.0	1499	1331	1216	1585+	46.89	1251	60.4	10.6	30.8	35.1	20.1
7-8 PM	2216	0.0	322	0.0	1499	1240	976	1298+	38.61	1022	62.3	12.4	30.8	35.8	23.6
8-9 PM	2068	0.0	301	0.0	1499	1380	689	989	31.91	838	62.5	14.5	30.8	36.0	27.4
9-10 PM	1827	0.0	266	0.0	1499	1368	459	725	27.54	719	63.0	16.1	30.8	36.5	30.7
10-11 PM	1320	0.0	191	0.0	1499	1242	78	269	20.49	530	63.9	20.1	30.8	37.4	36.4
11PM-MID	744	0.0	108	0.0	1499	744	0	108	3.41	114	65.0	47.4	41.2	38.4	38.4

+ 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	0.0662
MAIN ROUTE WITH WORKS	0.0453
DIVERSION	0.4003

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$349,597
CONGESTED HOURS PER DAY*	14

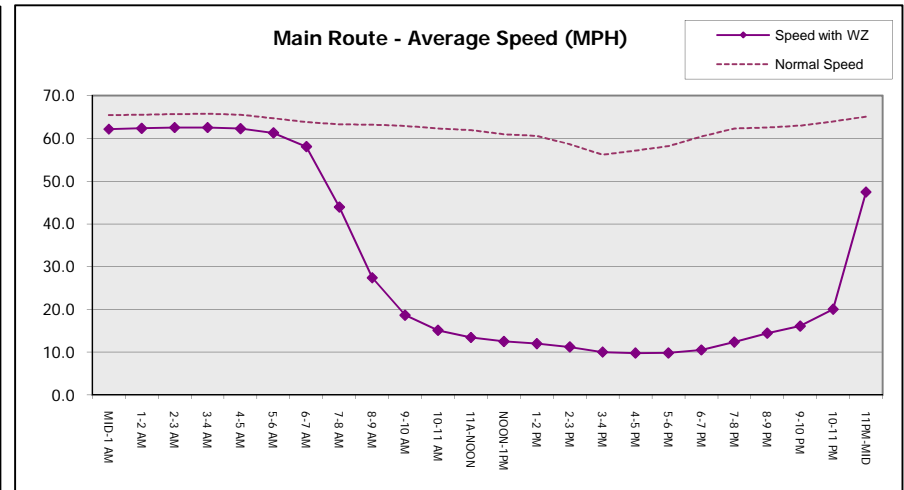
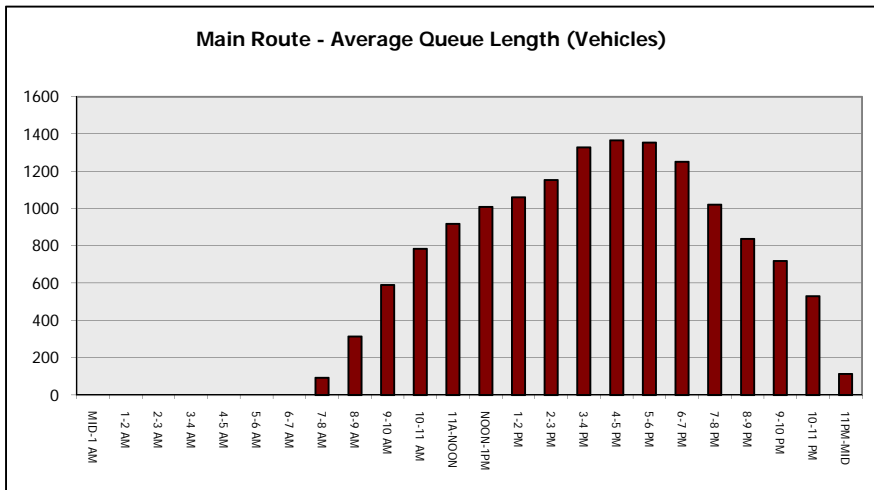
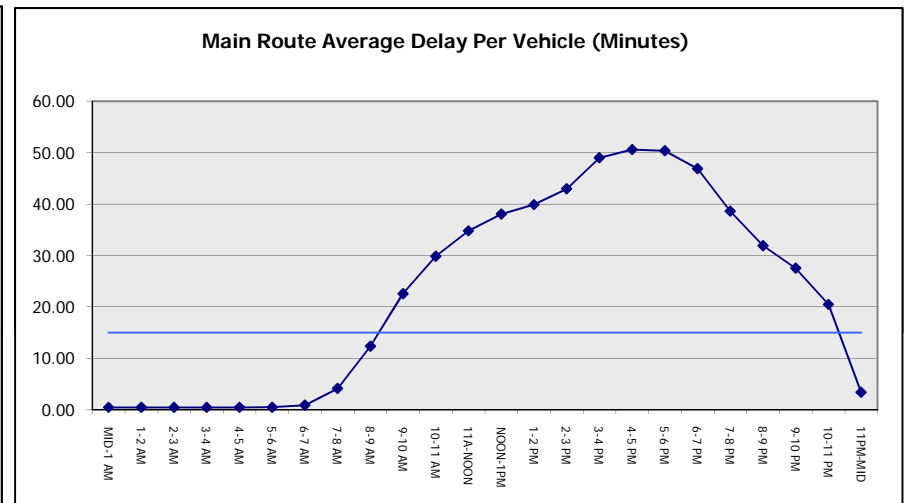
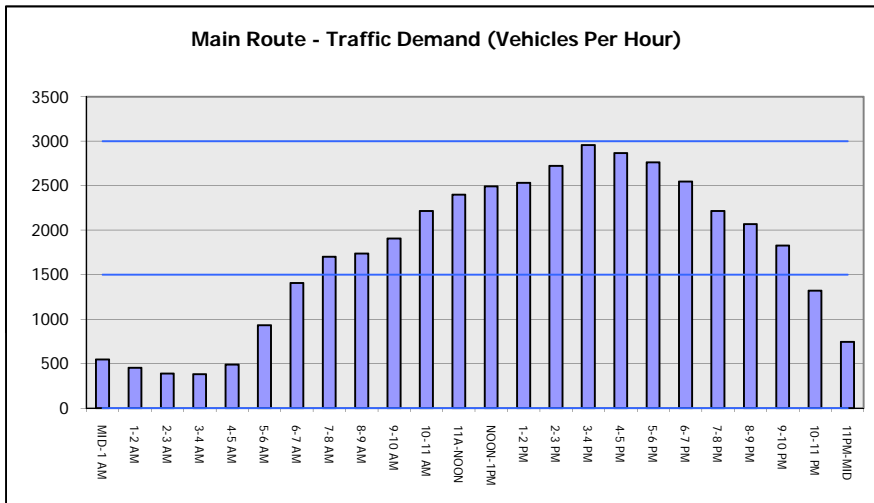
*Delays Exceeding 15 Minutes

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

FRIDAY 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

FRIDAY 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	478	0.0	69	0.0	1500	478	0	69	0.47	0	65.5	62.3	43.6	38.9	38.9
1-2 AM	388	0.0	57	0.0	1500	388	0	57	0.46	0	65.6	62.5	44.0	39.1	39.1
2-3 AM	390	0.0	57	0.0	1500	390	0	57	0.46	0	65.6	62.5	43.9	39.1	39.1
3-4 AM	442	0.0	64	0.0	1500	442	0	64	0.47	0	65.6	62.4	43.7	38.9	38.9
4-5 AM	466	0.0	68	0.0	1500	466	0	68	0.47	0	65.5	62.3	43.7	38.9	38.9
5-6 AM	571	0.0	83	0.0	1500	571	0	83	0.48	0	65.3	62.1	43.2	38.7	38.7
6-7 AM	786	0.0	114	0.0	1500	786	0	114	0.50	0	64.9	61.6	42.4	38.3	38.3
7-8 AM	1193	0.0	173	0.0	1500	1193	0	173	0.63	0	64.1	60.1	38.7	37.6	37.6
8-9 AM	1359	0.0	198	0.0	1499	1359	0	198	0.84	0	63.8	58.6	34.0	37.3	37.3
9-10 AM	1596	0.0	232	0.0	1499	1596	0	232	2.21	34	63.4	51.4	30.8	36.9	36.9
10-11 AM	1793	0.0	260	0.0	1500	1793	0	260	9.05	230	63.0	32.3	30.8	36.5	36.5
11A-NOON	1988	0.0	288	0.0	1500	1832	156	444	22.26	586	62.7	18.8	30.8	36.1	34.2
NOON-1PM	2103	0.0	306	0.0	1499	1581	522	828	29.08	761	62.5	15.5	30.8	36.0	29.4
1-2 PM	2295	0.0	333	0.0	1499	1605	690	1023	32.50	855	62.1	14.2	30.8	35.6	27.0
2-3 PM	2410	0.0	350	0.0	1499	1576	834	1184	35.81	945	61.8	13.2	30.8	35.4	25.0
3-4 PM	2473	0.0	359	0.0	1499	1550	922	1282+	38.03	1008	61.2	12.5	30.8	35.3	23.8
4-5 PM	2520	0.0	366	0.0	1499	1536	984	1350+	39.72	1055	60.7	12.1	30.8	35.2	23.0
5-6 PM	2420	0.0	352	0.0	1499	1432	989	1341+	39.62	1049	61.7	12.2	30.8	35.4	23.1
6-7 PM	1954	0.0	284	0.0	1499	1225	729	1013	32.40	854	62.7	14.3	30.8	36.2	27.1
7-8 PM	1744	0.0	253	0.0	1499	1393	351	604	25.84	672	63.2	17.0	30.8	36.6	32.2
8-9 PM	1393	0.0	202	0.0	1499	1339	54	256	20.97	539	63.8	19.7	30.8	37.3	36.6
9-10 PM	1188	0.0	173	0.0	1499	1188	0	173	12.14	313	64.1	27.9	31.7	37.6	37.6
10-11 PM	1002	0.0	145	0.0	1500	1002	0	145	1.27	24	64.5	56.8	40.9	37.9	37.9
11PM-MID	715	0.0	104	0.0	1500	715	0	104	0.49	0	65.1	61.7	42.7	38.4	38.4

+ 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	0.0536
MAIN ROUTE WITH WORKS	0.0418
DIVERSION	0.2482

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$194,616
CONGESTED HOURS PER DAY*	10

*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
FRIDAY EASTBOUND DIRECTION

