

IH 39/90: STH 11 TO STATE LINE (ROCK COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - STH 11	OCTOBER
	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	399	0.0	58	0.0	1500	399	0	58	0.46	0	65.6	62.5	43.9	39.0	39.0
1-2 AM	326	0.0	47	0.0	1500	326	0	47	0.45	0	65.8	62.7	44.2	39.2	39.2
2-3 AM	353	0.0	51	0.0	1500	353	0	51	0.46	0	65.7	62.6	44.1	39.1	39.1
3-4 AM	323	0.0	47	0.0	1500	323	0	47	0.45	0	65.8	62.7	44.2	39.2	39.2
4-5 AM	444	0.0	65	0.0	1500	444	0	65	0.47	0	65.6	62.4	43.7	38.9	38.9
5-6 AM	828	0.0	120	0.0	1500	828	0	120	0.50	0	64.8	61.5	42.3	38.3	38.3
6-7 AM	1360	0.0	198	0.0	1499	1360	0	198	0.84	0	63.8	58.6	34.1	37.3	37.3
7-8 AM	1517	0.0	220	0.0	1499	1517	0	220	1.25	6	63.5	56.1	30.8	37.0	37.0
8-9 AM	1442	0.0	209	0.0	1500	1442	0	209	1.05	2	63.7	57.3	31.9	37.1	37.1
9-10 AM	1550	0.0	226	0.0	1499	1550	0	226	1.54	14	63.5	54.6	30.8	36.9	36.9
10-11 AM	1778	0.0	258	0.0	1500	1778	0	258	7.10	176	63.1	36.1	30.8	36.5	36.5
11A-NOON	1949	0.0	283	0.0	1500	1859	90	373	20.01	528	62.8	20.3	30.8	36.2	35.1
NOON-1PM	1996	0.0	290	0.0	1499	1557	439	729	27.56	719	62.7	16.1	30.8	36.1	30.7
1-2 PM	2095	0.0	305	0.0	1500	1552	542	847	29.40	769	62.5	15.4	30.8	36.0	29.2
2-3 PM	2221	0.0	322	0.0	1499	1571	651	973	31.56	829	62.2	14.5	30.8	35.8	27.6
3-4 PM	2428	0.0	353	0.0	1499	1623	805	1158	35.21	930	61.6	13.4	30.8	35.3	25.3
4-5 PM	2550	0.0	371	0.0	1499	1591	959	1329+	39.12	1041	60.4	12.2	30.8	35.1	23.2
5-6 PM	2533	0.0	368	0.0	1499	1499	1035	1402+	41.13	1094	60.5	11.7	30.8	35.1	22.4
6-7 PM	2199	0.0	319	0.0	1499	1290	909	1229+	36.91	975	62.3	12.9	30.8	35.8	24.5
7-8 PM	1974	0.0	287	0.0	1499	1357	617	905	30.41	797	62.7	15.0	30.8	36.2	28.5
8-9 PM	1726	0.0	251	0.0	1499	1380	347	598	25.77	670	63.2	17.0	30.8	36.6	32.3
9-10 PM	1280	0.0	185	0.0	1499	1246	34	219	19.24	496	64.0	21.0	30.8	37.4	37.0
10-11 PM	894	0.0	130	0.0	1499	894	0	130	3.75	119	64.7	46.1	39.3	38.1	38.1
11PM-MID	534	0.0	77	0.0	1500	534	0	77	0.47	0	65.4	62.2	43.3	38.8	38.8

+ 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	0.0552
MAIN ROUTE WITH WORKS	0.0431
DIVERSION	0.2560

PIA: Personal Injury Accidents

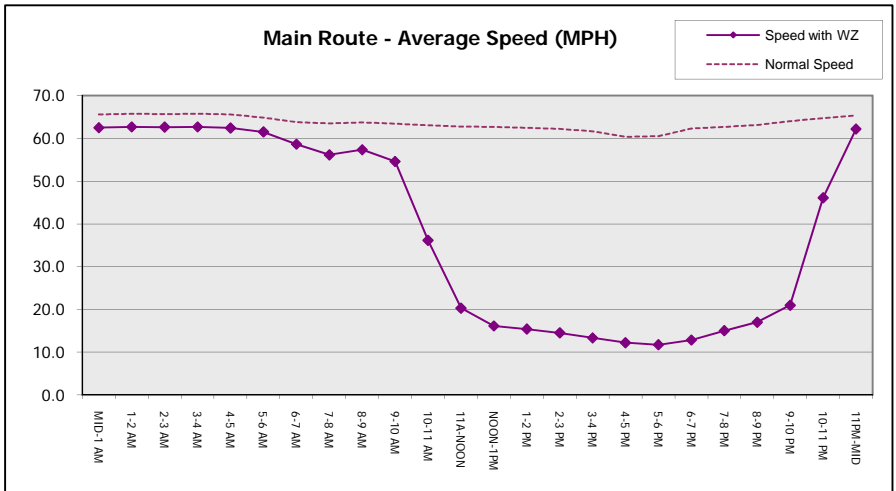
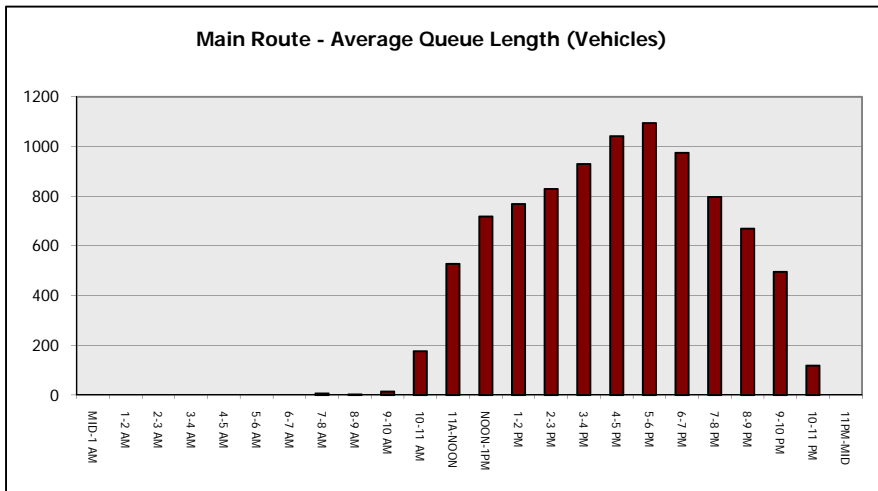
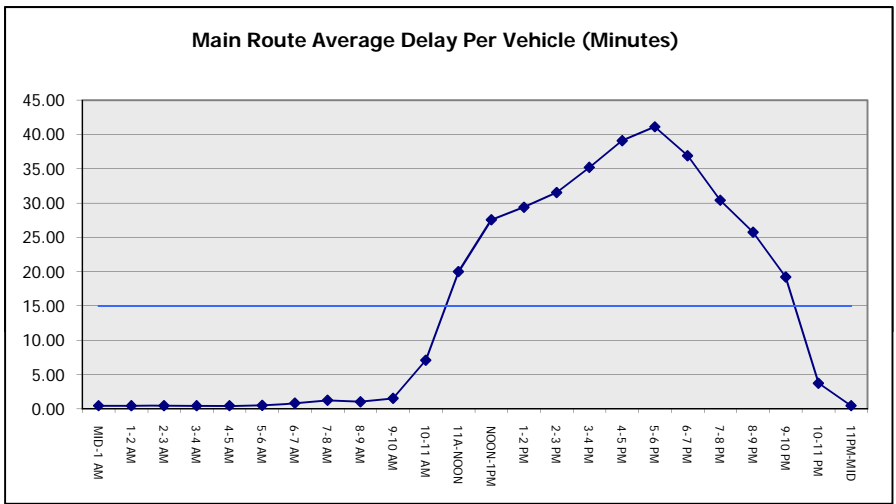
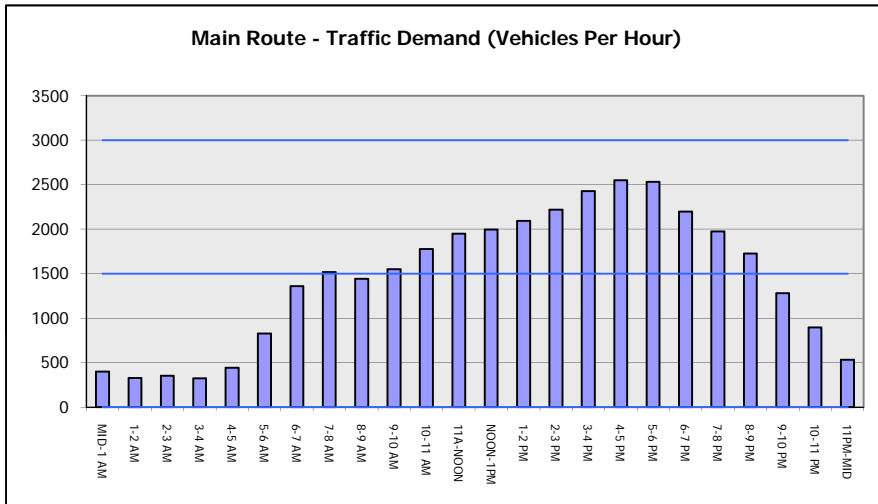
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$194,321
CONGESTED HOURS PER DAY*	11

*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**

OCTOBER
 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	OCTOBER
	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	350	0.0	50	0.0	1500	350	0	50	0.46	0	65.8	62.6	44.1	39.1	39.1
1-2 AM	302	0.0	44	0.0	1500	302	0	44	0.45	0	65.8	62.7	44.3	39.2	39.2
2-3 AM	294	0.0	43	0.0	1500	294	0	43	0.45	0	65.8	62.7	44.3	39.2	39.2
3-4 AM	357	0.0	51	0.0	1500	357	0	51	0.46	0	65.7	62.6	44.0	39.1	39.1
4-5 AM	413	0.0	60	0.0	1500	413	0	60	0.46	0	65.6	62.5	43.8	39.0	39.0
5-6 AM	511	0.0	74	0.0	1500	511	0	74	0.47	0	65.5	62.2	43.5	38.8	38.8
6-7 AM	805	0.0	117	0.0	1500	805	0	117	0.50	0	64.9	61.5	42.4	38.3	38.3
7-8 AM	1114	0.0	162	0.0	1500	1114	0	162	0.53	0	64.3	60.9	41.3	37.8	37.8
8-9 AM	1258	0.0	182	0.0	1500	1258	0	182	0.71	0	64.0	59.5	36.7	37.5	37.5
9-10 AM	1386	0.0	201	0.0	1499	1386	0	201	0.88	0	63.8	58.4	33.3	37.3	37.3
10-11 AM	1497	0.0	217	0.0	1499	1497	0	217	1.13	3	63.6	56.8	31.2	37.1	37.1
11A-NOON	1640	0.0	238	0.0	1500	1640	0	238	3.62	74	63.3	45.8	30.8	36.8	36.8
NOON-1PM	1812	0.0	264	0.0	1500	1812	0	264	11.62	299	63.0	28.4	30.8	36.5	36.5
1-2 PM	1960	0.0	285	0.0	1499	1752	208	494	23.89	624	62.7	17.9	30.8	36.2	33.6
2-3 PM	2076	0.0	302	0.0	1499	1570	506	808	28.76	752	62.5	15.6	30.8	36.0	29.7
3-4 PM	2243	0.0	325	0.0	1499	1589	655	980	31.69	833	62.2	14.5	30.8	35.7	27.6
4-5 PM	2354	0.0	342	0.0	1499	1564	791	1133	34.70	915	62.0	13.5	30.8	35.5	25.6
5-6 PM	2241	0.0	325	0.0	1499	1430	811	1137	34.82	917	62.2	13.5	30.8	35.7	25.6
6-7 PM	1791	0.0	261	0.0	1499	1265	526	787	28.51	747	63.0	15.8	30.8	36.5	30.0
7-8 PM	1420	0.0	206	0.0	1500	1342	78	283	21.60	556	63.7	19.3	30.8	37.2	36.2
8-9 PM	1088	0.0	158	0.0	1499	1088	0	158	10.52	285	64.3	30.2	33.5	37.8	37.8
9-10 PM	965	0.0	140	0.0	1500	964	0	140	0.66	4	64.6	60.3	41.8	38.0	38.0
10-11 PM	775	0.0	112	0.0	1500	775	0	112	0.50	0	65.0	61.6	42.5	38.4	38.4
11PM-MID	538	0.0	78	0.0	1500	538	0	78	0.47	0	65.4	62.2	43.3	38.8	38.8

----- 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	0.0464
MAIN ROUTE WITH WORKS	0.0391
DIVERSION	0.1744

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$120,398
CONGESTED HOURS PER DAY*	7

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - STH 11

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

