

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

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	405	0.0	59	0.0	OFF	405	0	59	0.00	0	65.6	65.6	65.6	39.0	39.0
1-2 AM	305	0.0	44	0.0	OFF	305	0	44	0.00	0	65.8	65.8	65.8	39.2	39.2
2-3 AM	275	0.0	40	0.0	OFF	275	0	40	0.00	0	65.9	65.9	65.9	39.2	39.2
3-4 AM	227	0.0	33	0.0	OFF	227	0	33	0.00	0	66.0	66.0	66.0	39.3	39.3
4-5 AM	317	0.0	46	0.0	OFF	317	0	46	0.00	0	65.8	65.8	65.8	39.2	39.2
5-6 AM	474	0.0	69	0.0	OFF	474	0	69	0.00	0	65.5	65.5	65.5	38.9	38.9
6-7 AM	740	0.0	107	0.0	OFF	740	0	107	0.00	0	65.0	65.0	65.0	38.4	38.4
7-8 AM	1197	0.0	174	0.0	OFF	1197	0	174	0.00	0	64.1	64.1	64.1	37.6	37.6
8-9 AM	1802	0.0	262	0.0	1499	1802	0	262	5.11	126	63.0	41.0	30.8	36.5	36.5
9-10 AM	1985	0.0	288	0.0	1500	1892	93	381	19.70	523	62.7	20.5	30.8	36.1	35.0
10-11 AM	1935	0.0	281	0.0	1499	1514	421	702	27.18	708	62.8	16.3	30.8	36.3	31.1
11A-NOON	1850	0.0	269	0.0	1499	1464	386	655	26.52	690	63.0	16.6	30.8	36.4	31.6
NOON-1PM	1758	0.0	255	0.0	1500	1459	299	555	25.18	653	63.1	17.3	30.8	36.6	32.9
1-2 PM	1572	0.0	229	0.0	1499	1436	136	364	22.91	591	63.5	18.5	30.8	36.9	35.2
2-3 PM	1587	0.0	231	0.0	1500	1499	89	319	22.40	577	63.4	18.8	30.8	36.9	35.8
3-4 PM	1240	0.0	180	0.0	1499	1240	0	180	17.32	445	64.1	22.5	30.8	37.5	37.5
4-5 PM	1298	0.0	188	0.0	1500	1298	0	188	8.07	195	64.0	34.4	30.8	37.4	37.4
5-6 PM	1568	0.0	228	0.0	1500	1568	0	228	6.27	142	63.5	38.1	30.8	36.9	36.9
6-7 PM	1174	0.0	171	0.0	OFF	1174	0	171	0.13	5	64.2	63.3	63.3	37.6	37.6
7-8 PM	969	0.0	141	0.0	OFF	969	0	141	0.00	0	64.6	64.6	64.6	38.0	38.0
8-9 PM	819	0.0	119	0.0	OFF	819	0	119	0.00	0	64.8	64.8	64.8	38.3	38.3
9-10 PM	700	0.0	102	0.0	OFF	700	0	102	0.00	0	65.1	65.1	65.1	38.5	38.5
10-11 PM	502	0.0	73	0.0	OFF	502	0	73	0.00	0	65.5	65.5	65.5	38.8	38.8
11PM-MID	363	0.0	53	0.0	OFF	363	0	53	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	0.0399
MAIN ROUTE WITH WORKS	0.0366
DIVERSION	0.1131

PIA: Personal Injury Accidents

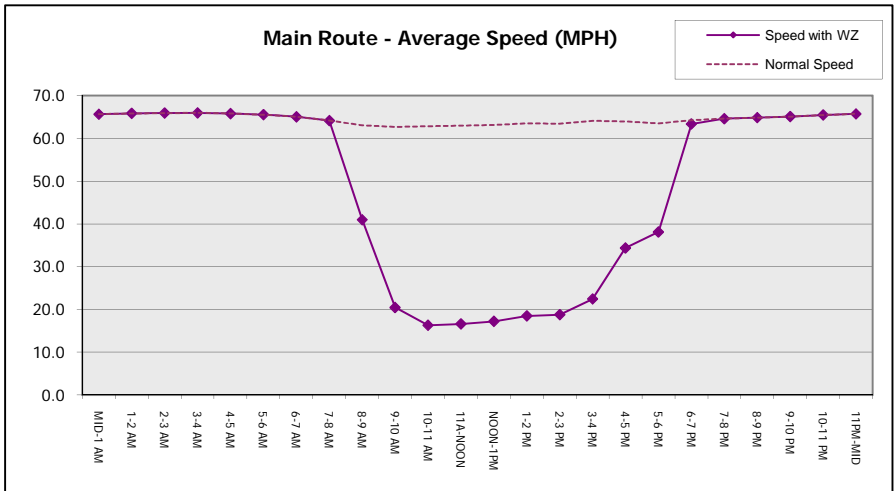
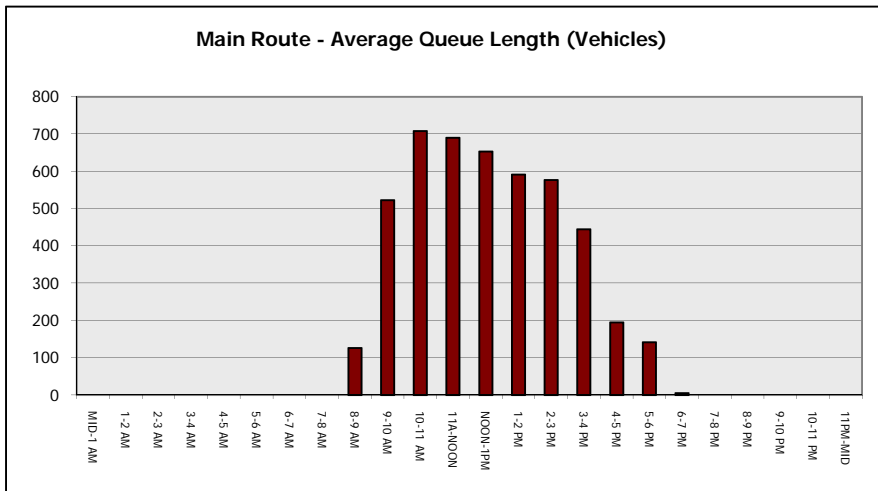
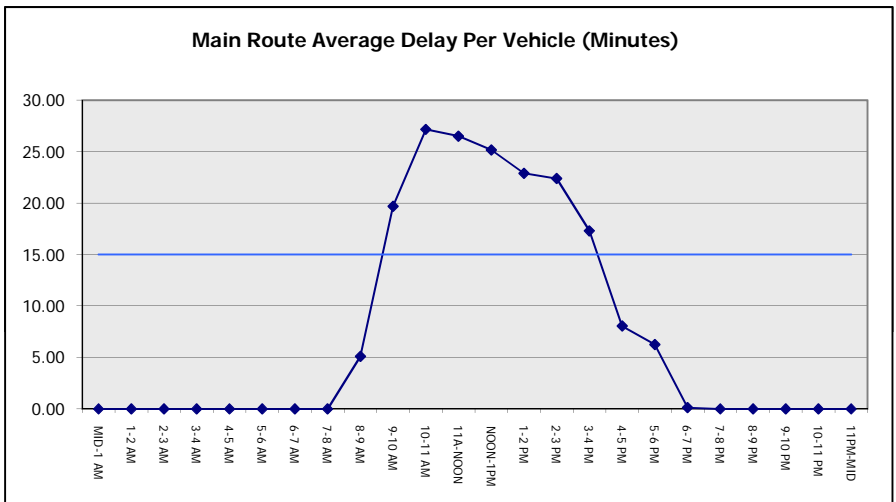
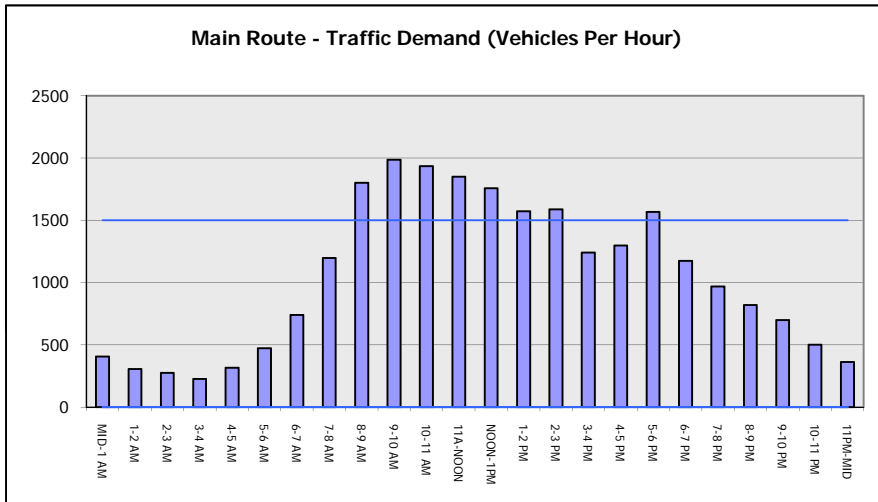
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$87,649
CONGESTED HOURS PER DAY*	7

*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
SATURDAY WESTBOUND DIRECTION



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
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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	374	0.0	55	0.0	OFF	374	0	55	0.00	0	65.7	65.7	65.7	39.1	39.1
1-2 AM	289	0.0	42	0.0	OFF	289	0	42	0.00	0	65.8	65.8	65.8	39.2	39.2
2-3 AM	251	0.0	36	0.0	OFF	251	0	36	0.00	0	65.9	65.9	65.9	39.3	39.3
3-4 AM	258	0.0	38	0.0	OFF	258	0	38	0.00	0	65.9	65.9	65.9	39.2	39.2
4-5 AM	302	0.0	44	0.0	OFF	302	0	44	0.00	0	65.8	65.8	65.8	39.2	39.2
5-6 AM	330	0.0	48	0.0	OFF	330	0	48	0.00	0	65.8	65.8	65.8	39.1	39.1
6-7 AM	469	0.0	68	0.0	OFF	469	0	68	0.00	0	65.5	65.5	65.5	38.9	38.9
7-8 AM	712	0.0	103	0.0	OFF	712	0	103	0.00	0	65.1	65.1	65.1	38.4	38.4
8-9 AM	1074	0.0	155	0.0	1500	1074	0	155	0.53	0	64.4	60.9	41.4	37.8	37.8
9-10 AM	1362	0.0	198	0.0	1499	1362	0	198	0.85	0	63.8	58.6	34.0	37.3	37.3
10-11 AM	1497	0.0	217	0.0	1499	1497	0	217	1.10	2	63.6	56.9	31.1	37.1	37.1
11A-NOON	1556	0.0	227	0.0	1500	1556	0	227	2.29	34	63.5	51.1	30.8	36.9	36.9
NOON-1PM	1616	0.0	235	0.0	1500	1616	0	235	5.51	123	63.4	40.1	30.8	36.8	36.8
1-2 PM	1598	0.0	232	0.0	1499	1598	0	232	9.51	230	63.4	31.6	30.8	36.9	36.9
2-3 PM	1657	0.0	241	0.0	1500	1657	0	241	13.92	351	63.3	25.6	30.8	36.8	36.8
3-4 PM	1848	0.0	269	0.0	1500	1727	120	389	22.18	577	63.0	18.9	30.8	36.4	34.9
4-5 PM	1804	0.0	263	0.0	1499	1486	318	580	25.51	662	63.0	17.1	30.8	36.5	32.5
5-6 PM	1643	0.0	239	0.0	1499	1437	206	445	23.83	616	63.3	18.0	30.8	36.8	34.2
6-7 PM	1514	0.0	220	0.0	OFF	1514	0	220	1.21	69	63.6	56.3	56.3	37.0	37.0
7-8 PM	1204	0.0	175	0.0	OFF	1204	0	175	0.00	0	64.1	64.1	64.1	37.6	37.6
8-9 PM	961	0.0	140	0.0	OFF	961	0	140	0.00	0	64.6	64.6	64.6	38.0	38.0
9-10 PM	780	0.0	113	0.0	OFF	780	0	113	0.00	0	65.0	65.0	65.0	38.3	38.3
10-11 PM	616	0.0	90	0.0	OFF	616	0	90	0.00	0	65.3	65.3	65.3	38.6	38.6
11PM-MID	457	0.0	67	0.0	OFF	457	0	67	0.00	0	65.5	65.5	65.5	38.9	38.9

"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	0.0385
MAIN ROUTE WITH WORKS	0.0364
DIVERSION	0.0928

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$51,865
CONGESTED HOURS PER DAY*	3

*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
SATURDAY EASTBOUND DIRECTION

