

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

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	OFF	399	0	58	0.00	0	65.6	65.6	65.6	39.0	39.0
1-2 AM	326	0.0	47	0.0	OFF	326	0	47	0.00	0	65.8	65.8	65.8	39.2	39.2
2-3 AM	353	0.0	51	0.0	OFF	353	0	51	0.00	0	65.7	65.7	65.7	39.1	39.1
3-4 AM	323	0.0	47	0.0	OFF	323	0	47	0.00	0	65.8	65.8	65.8	39.2	39.2
4-5 AM	444	0.0	65	0.0	OFF	444	0	65	0.00	0	65.6	65.6	65.6	38.9	38.9
5-6 AM	828	0.0	120	0.0	OFF	828	0	120	0.00	0	64.8	64.8	64.8	38.3	38.3
6-7 AM	1360	0.0	198	0.0	OFF	1360	0	198	0.00	0	63.8	63.8	63.8	37.3	37.3
7-8 AM	1517	0.0	220	0.0	OFF	1517	0	220	0.00	0	63.5	63.5	63.5	37.0	37.0
8-9 AM	1442	0.0	209	0.0	OFF	1442	0	209	0.00	0	63.7	63.7	63.7	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	OFF	2550	0	371	7.09	338	60.4	35.2	35.2	35.1	35.1
5-6 PM	2533	0.0	368	0.0	OFF	2533	0	368	0.00	0	60.5	60.5	60.5	35.1	35.1
6-7 PM	2199	0.0	319	0.0	OFF	2199	0	319	0.00	0	62.3	62.3	62.3	35.8	35.8
7-8 PM	1974	0.0	287	0.0	OFF	1974	0	287	0.00	0	62.7	62.7	62.7	36.2	36.2
8-9 PM	1726	0.0	251	0.0	OFF	1726	0	251	0.00	0	63.2	63.2	63.2	36.6	36.6
9-10 PM	1280	0.0	185	0.0	OFF	1280	0	185	0.00	0	64.0	64.0	64.0	37.4	37.4
10-11 PM	894	0.0	130	0.0	OFF	894	0	130	0.00	0	64.7	64.7	64.7	38.1	38.1
11PM-MID	534	0.0	77	0.0	OFF	534	0	77	0.00	0	65.4	65.4	65.4	38.8	38.8

"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	0.0552
MAIN ROUTE WITH WORKS	0.0504
DIVERSION	0.1690

PIA: Personal Injury Accidents

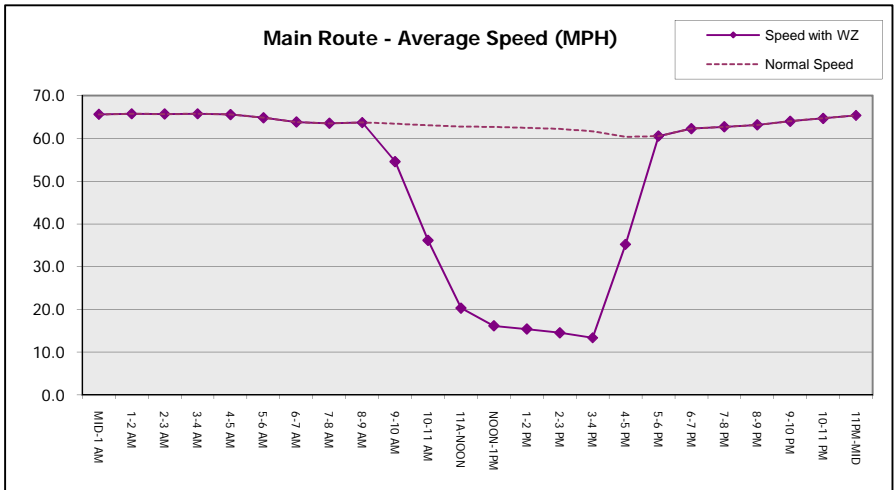
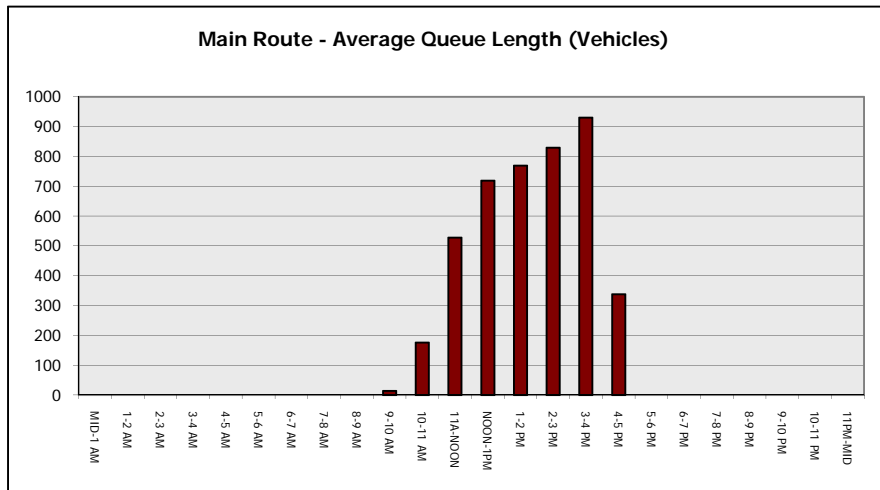
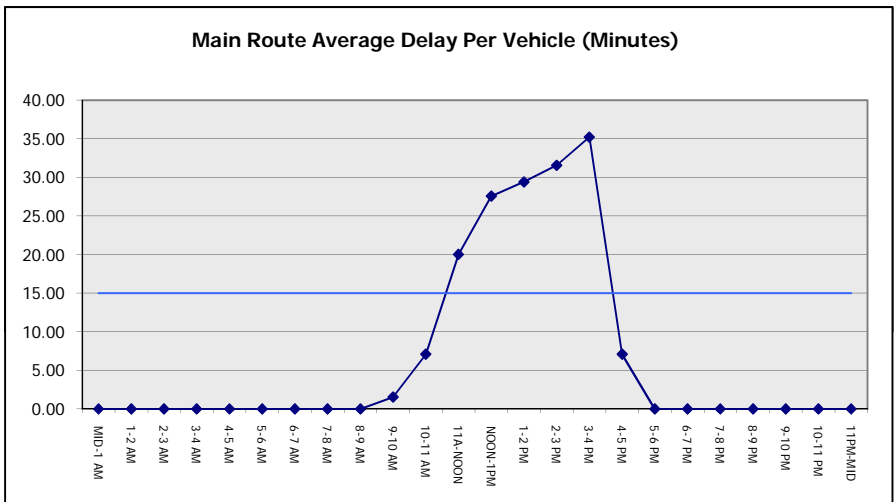
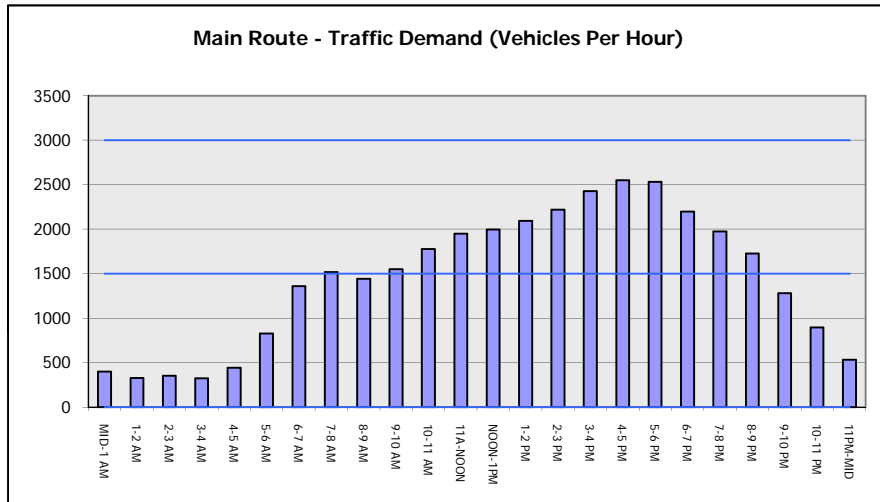
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$75,834
CONGESTED HOURS PER DAY*	5

*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
FRIDAY 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

FRIDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR								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		SITE	ALTERNATE ROUTE		
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN	
MID-1 AM	350	0.0	50	0.0	OFF	350	0	50	0.00	0	65.8	65.8	65.8	39.1	39.1	
1-2 AM	302	0.0	44	0.0	OFF	302	0	44	0.00	0	65.8	65.8	65.8	39.2	39.2	
2-3 AM	294	0.0	43	0.0	OFF	294	0	43	0.00	0	65.8	65.8	65.8	39.2	39.2	
3-4 AM	357	0.0	51	0.0	OFF	357	0	51	0.00	0	65.7	65.7	65.7	39.1	39.1	
4-5 AM	413	0.0	60	0.0	OFF	413	0	60	0.00	0	65.6	65.6	65.6	39.0	39.0	
5-6 AM	511	0.0	74	0.0	OFF	511	0	74	0.00	0	65.5	65.5	65.5	38.8	38.8	
6-7 AM	805	0.0	117	0.0	OFF	805	0	117	0.00	0	64.9	64.9	64.9	38.3	38.3	
7-8 AM	1114	0.0	162	0.0	OFF	1114	0	162	0.00	0	64.3	64.3	64.3	37.8	37.8	
8-9 AM	1258	0.0	182	0.0	OFF	1258	0	182	0.00	0	64.0	64.0	64.0	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	OFF	2354	0	342	5.06	233	62.0	40.7	40.7	35.5	35.5	
5-6 PM	2241	0.0	325	0.0	OFF	2241	0	325	0.00	0	62.2	62.2	62.2	35.7	35.7	
6-7 PM	1791	0.0	261	0.0	OFF	1791	0	261	0.00	0	63.0	63.0	63.0	36.5	36.5	
7-8 PM	1420	0.0	206	0.0	OFF	1420	0	206	0.00	0	63.7	63.7	63.7	37.2	37.2	
8-9 PM	1088	0.0	158	0.0	OFF	1088	0	158	0.00	0	64.3	64.3	64.3	37.8	37.8	
9-10 PM	965	0.0	140	0.0	OFF	965	0	140	0.00	0	64.6	64.6	64.6	38.0	38.0	
10-11 PM	775	0.0	112	0.0	OFF	775	0	112	0.00	0	65.0	65.0	65.0	38.4	38.4	
11PM-MID	538	0.0	78	0.0	OFF	538	0	78	0.00	0	65.4	65.4	65.4	38.8	38.8	

"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	0.0464
MAIN ROUTE WITH WORKS	0.0435
DIVERSION	0.1252

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$48,333
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
FRIDAY EASTBOUND DIRECTION

