

IH 39/90: STH 11 TO STATE LINE (ROCK COUNTY) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - STH 11	MAY
	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	450	0.0	65	0.0	OFF	450	0	65	0.00	0	65.6	65.6	65.6	38.9	38.9
1-2 AM	343	0.0	49	0.0	OFF	343	0	49	0.00	0	65.8	65.8	65.8	39.1	39.1
2-3 AM	354	0.0	51	0.0	OFF	354	0	51	0.00	0	65.7	65.7	65.7	39.1	39.1
3-4 AM	345	0.0	50	0.0	OFF	345	0	50	0.00	0	65.8	65.8	65.8	39.1	39.1
4-5 AM	468	0.0	68	0.0	OFF	468	0	68	0.00	0	65.5	65.5	65.5	38.9	38.9
5-6 AM	918	0.0	134	0.0	OFF	918	0	134	0.00	0	64.6	64.6	64.6	38.1	38.1
6-7 AM	1424	0.0	207	0.0	OFF	1424	0	207	0.00	0	63.7	63.7	63.7	37.2	37.2
7-8 AM	1511	0.0	219	0.0	OFF	1511	0	219	0.00	0	63.6	63.6	63.6	37.0	37.0
8-9 AM	1490	0.0	216	0.0	OFF	1490	0	216	0.00	0	63.6	63.6	63.6	37.1	37.1
9-10 AM	1608	0.0	234	0.0	1499	1608	0	234	2.72	48	63.4	49.2	30.8	36.8	36.8
10-11 AM	1671	0.0	243	0.0	1500	1671	0	243	7.89	190	63.3	34.5	30.8	36.7	36.7
11A-NOON	1702	0.0	247	0.0	1500	1702	0	247	14.76	376	63.2	24.7	30.8	36.7	36.7
NOON-1PM	1775	0.0	257	0.0	1499	1660	114	372	22.46	582	63.1	18.8	30.8	36.6	35.1
1-2 PM	1820	0.0	265	0.0	1499	1526	294	558	25.21	654	63.0	17.3	30.8	36.5	32.8
2-3 PM	1894	0.0	275	0.0	1500	1532	362	637	26.25	683	62.8	16.8	30.8	36.3	31.9
3-4 PM	1969	0.0	286	0.0	1500	1534	435	721	27.45	716	62.7	16.2	30.8	36.2	30.8
4-5 PM	2044	0.0	297	0.0	OFF	2044	0	297	2.81	137	62.6	48.4	48.4	36.1	36.1
5-6 PM	1936	0.0	281	0.0	OFF	1936	0	281	0.00	0	62.8	62.8	62.8	36.3	36.3
6-7 PM	1970	0.0	286	0.0	OFF	1970	0	286	0.00	0	62.7	62.7	62.7	36.2	36.2
7-8 PM	1819	0.0	265	0.0	OFF	1819	0	265	0.00	0	63.0	63.0	63.0	36.5	36.5
8-9 PM	1667	0.0	242	0.0	OFF	1667	0	242	0.00	0	63.3	63.3	63.3	36.8	36.8
9-10 PM	1283	0.0	186	0.0	OFF	1283	0	186	0.00	0	64.0	64.0	64.0	37.4	37.4
10-11 PM	911	0.0	133	0.0	OFF	911	0	133	0.00	0	64.7	64.7	64.7	38.1	38.1
11PM-MID	602	0.0	87	0.0	OFF	602	0	87	0.00	0	65.3	65.3	65.3	38.7	38.7

"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	0.0509
MAIN ROUTE WITH WORKS	0.0482
DIVERSION	0.1306

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$50,627
CONGESTED HOURS PER DAY*	4

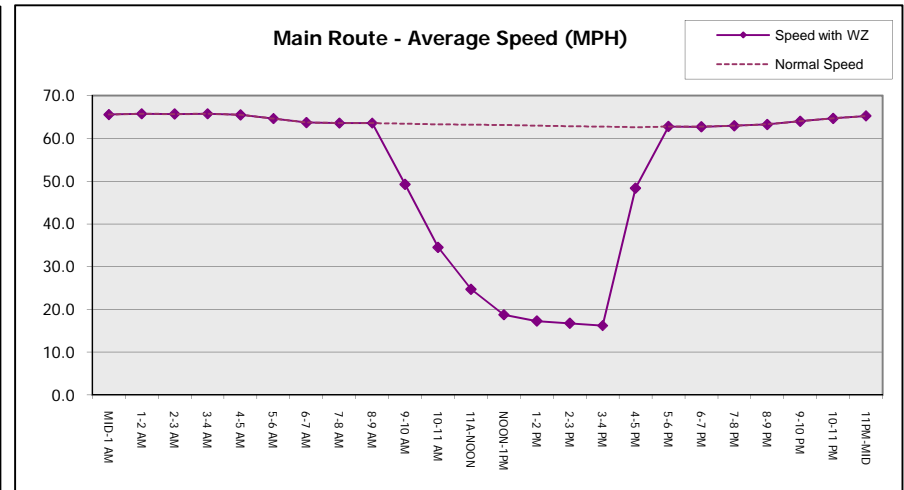
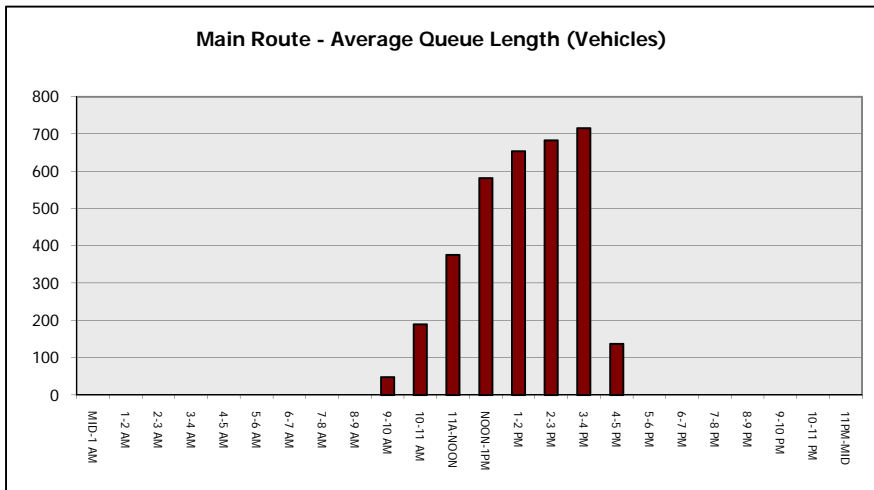
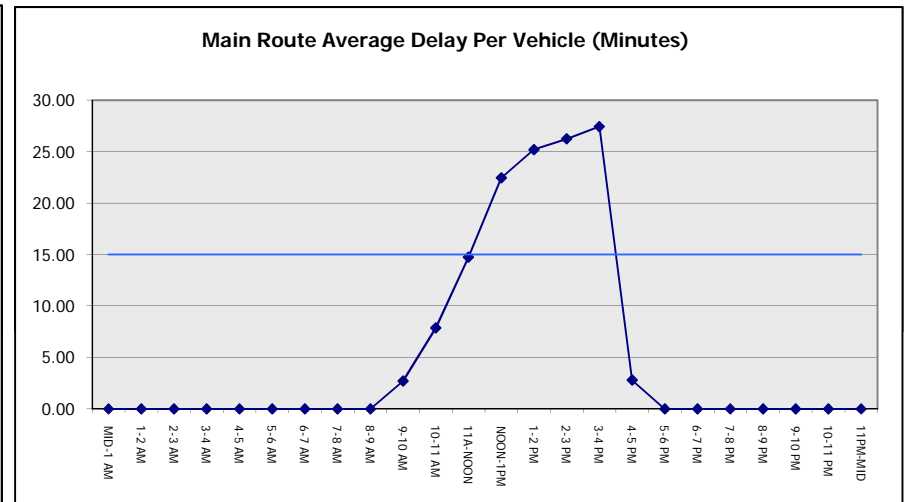
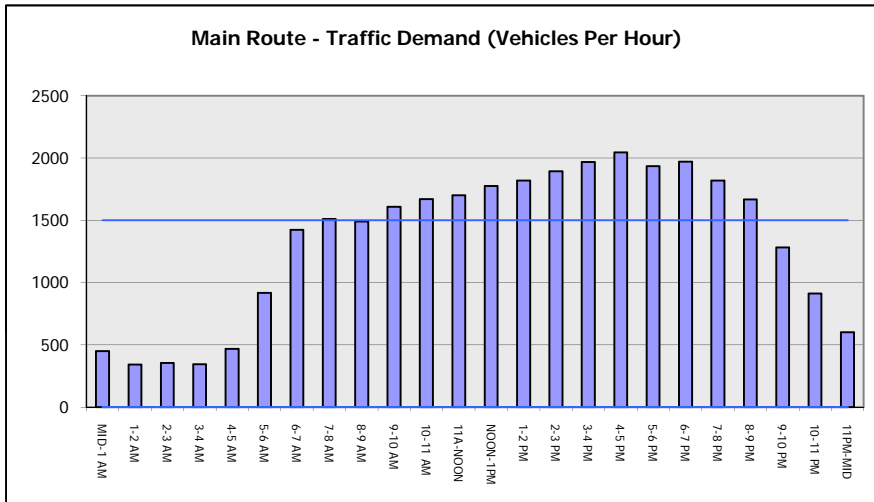
*Delays Exceeding 15 Minutes

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OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - STH 11

MAY
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 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	MAY
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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	384	0.0	56	0.0	OFF	384	0	56	0.00	0	65.6	65.6	65.6	39.1	39.1
1-2 AM	335	0.0	48	0.0	OFF	335	0	48	0.00	0	65.8	65.8	65.8	39.1	39.1
2-3 AM	329	0.0	47	0.0	OFF	329	0	47	0.00	0	65.8	65.8	65.8	39.2	39.2
3-4 AM	365	0.0	54	0.0	OFF	365	0	54	0.00	0	65.7	65.7	65.7	39.1	39.1
4-5 AM	399	0.0	58	0.0	OFF	399	0	58	0.00	0	65.6	65.6	65.6	39.0	39.0
5-6 AM	505	0.0	73	0.0	OFF	505	0	73	0.00	0	65.5	65.5	65.5	38.8	38.8
6-7 AM	788	0.0	114	0.0	OFF	788	0	114	0.00	0	64.9	64.9	64.9	38.3	38.3
7-8 AM	1064	0.0	154	0.0	OFF	1064	0	154	0.00	0	64.4	64.4	64.4	37.8	37.8
8-9 AM	1165	0.0	169	0.0	OFF	1165	0	169	0.00	0	64.2	64.2	64.2	37.6	37.6
9-10 AM	1270	0.0	184	0.0	1500	1270	0	184	0.73	0	64.0	59.4	36.3	37.4	37.4
10-11 AM	1311	0.0	190	0.0	1500	1311	0	190	0.78	0	64.0	59.1	35.2	37.4	37.4
11A-NOON	1446	0.0	210	0.0	1500	1446	0	210	0.96	0	63.7	57.8	31.9	37.1	37.1
NOON-1PM	1475	0.0	214	0.0	1499	1475	0	214	0.99	0	63.7	57.6	31.3	37.1	37.1
1-2 PM	1623	0.0	236	0.0	1499	1623	0	236	2.94	55	63.3	48.3	30.8	36.8	36.8
2-3 PM	1685	0.0	245	0.0	1500	1685	0	245	8.74	214	63.2	32.9	30.8	36.7	36.7
3-4 PM	1683	0.0	244	0.0	1499	1683	0	244	15.53	396	63.3	24.0	30.8	36.7	36.7
4-5 PM	1816	0.0	264	0.0	OFF	1816	0	264	0.97	55	63.0	57.2	57.2	36.5	36.5
5-6 PM	1715	0.0	249	0.0	OFF	1715	0	249	0.00	0	63.2	63.2	63.2	36.6	36.6
6-7 PM	1578	0.0	230	0.0	OFF	1578	0	230	0.00	0	63.5	63.5	63.5	36.9	36.9
7-8 PM	1303	0.0	189	0.0	OFF	1303	0	189	0.00	0	64.0	64.0	64.0	37.4	37.4
8-9 PM	1097	0.0	160	0.0	OFF	1097	0	160	0.00	0	64.3	64.3	64.3	37.8	37.8
9-10 PM	915	0.0	133	0.0	OFF	915	0	133	0.00	0	64.7	64.7	64.7	38.1	38.1
10-11 PM	765	0.0	111	0.0	OFF	765	0	111	0.00	0	65.0	65.0	65.0	38.4	38.4
11PM-MID	579	0.0	84	0.0	OFF	579	0	84	0.00	0	65.3	65.3	65.3	38.7	38.7

"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	0.0407
MAIN ROUTE WITH WORKS	0.0400
DIVERSION	0.0829

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$11,106
CONGESTED HOURS PER DAY*	1

*Delays Exceeding 15 Minutes

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OFF-PEAK DAY CLOSURE
DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - STH 11

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

