

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

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	453	0.0	66	0.0	OFF	453	0	66	0.00	0	65.5	65.5	65.5	38.9	38.9
1-2 AM	337	0.0	49	0.0	OFF	337	0	49	0.00	0	65.8	65.8	65.8	39.1	39.1
2-3 AM	314	0.0	45	0.0	OFF	314	0	45	0.00	0	65.8	65.8	65.8	39.2	39.2
3-4 AM	275	0.0	40	0.0	OFF	275	0	40	0.00	0	65.9	65.9	65.9	39.2	39.2
4-5 AM	358	0.0	52	0.0	OFF	358	0	52	0.00	0	65.7	65.7	65.7	39.1	39.1
5-6 AM	589	0.0	85	0.0	OFF	589	0	85	0.00	0	65.3	65.3	65.3	38.7	38.7
6-7 AM	921	0.0	134	0.0	OFF	921	0	134	0.00	0	64.6	64.6	64.6	38.1	38.1
7-8 AM	1212	0.0	176	0.0	OFF	1212	0	176	0.00	0	64.1	64.1	64.1	37.6	37.6
8-9 AM	1521	0.0	221	0.0	1499	1521	0	221	1.38	11	63.5	55.5	31.2	37.0	37.0
9-10 AM	1754	0.0	254	0.0	1500	1754	0	254	6.53	159	63.1	37.4	30.8	36.6	36.6
10-11 AM	1902	0.0	276	0.0	1500	1859	43	319	18.68	493	62.8	21.2	30.8	36.3	35.8
11A-NOON	1846	0.0	268	0.0	1499	1508	337	605	25.83	671	63.0	17.0	30.8	36.4	32.2
NOON-1PM	1673	0.0	243	0.0	1499	1436	237	480	24.25	628	63.3	17.8	30.8	36.7	33.8
1-2 PM	1650	0.0	240	0.0	1500	1492	158	398	23.27	601	63.3	18.3	30.8	36.8	34.8
2-3 PM	1530	0.0	222	0.0	1499	1456	73	296	22.15	570	63.5	19.0	30.8	37.0	36.1
3-4 PM	1404	0.0	204	0.0	1499	1404	0	204	19.80	506	63.8	20.6	30.8	37.2	37.2
4-5 PM	1400	0.0	204	0.0	1500	1400	0	204	16.20	410	63.8	23.4	30.8	37.2	37.2
5-6 PM	1237	0.0	180	0.0	1499	1237	0	180	9.25	233	64.1	32.2	31.8	37.5	37.5
6-7 PM	1076	0.0	156	0.0	OFF	1076	0	156	0.05	1	64.4	64.1	64.1	37.8	37.8
7-8 PM	902	0.0	131	0.0	OFF	902	0	131	0.00	0	64.7	64.7	64.7	38.1	38.1
8-9 PM	793	0.0	115	0.0	OFF	793	0	115	0.00	0	64.9	64.9	64.9	38.3	38.3
9-10 PM	667	0.0	97	0.0	OFF	667	0	97	0.00	0	65.1	65.1	65.1	38.6	38.6
10-11 PM	471	0.0	68	0.0	OFF	471	0	68	0.00	0	65.5	65.5	65.5	38.9	38.9
11PM-MID	364	0.0	52	0.0	OFF	364	0	52	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	0.0392
MAIN ROUTE WITH WORKS	0.0369
DIVERSION	0.0989

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$78,831
CONGESTED HOURS PER DAY*	7

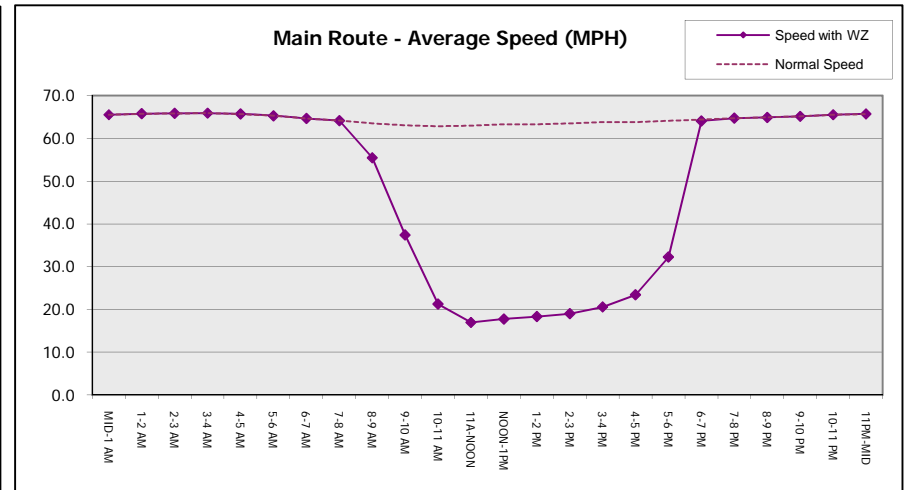
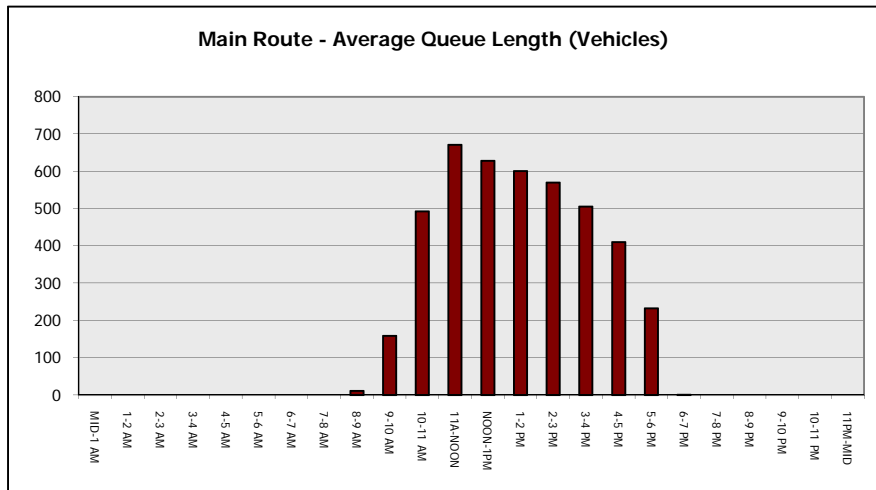
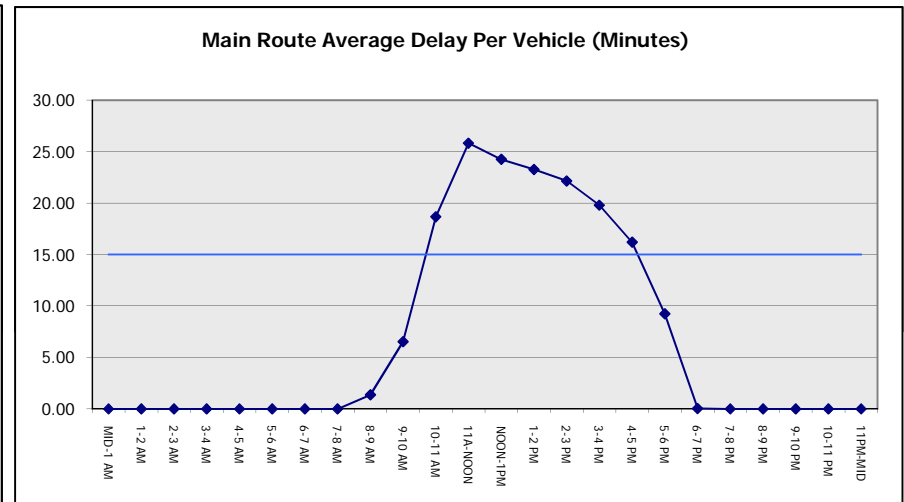
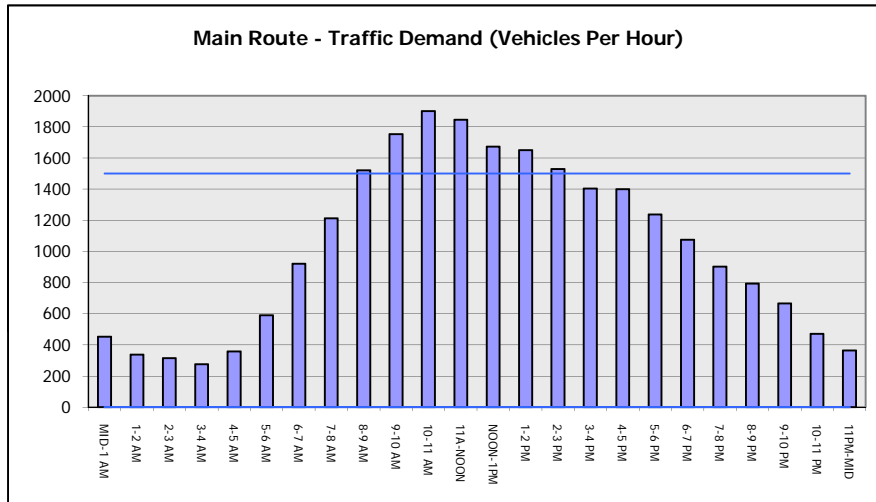
*Delays Exceeding 15 Minutes

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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

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	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	387	0.0	57	0.0	OFF	387	0	57	0.00	0	65.6	65.6	65.6	39.1	39.1
1-2 AM	282	0.0	41	0.0	OFF	282	0	41	0.00	0	65.9	65.9	65.9	39.2	39.2
2-3 AM	272	0.0	39	0.0	OFF	272	0	39	0.00	0	65.9	65.9	65.9	39.2	39.2
3-4 AM	287	0.0	42	0.0	OFF	287	0	42	0.00	0	65.8	65.8	65.8	39.2	39.2
4-5 AM	291	0.0	42	0.0	OFF	291	0	42	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	506	0.0	73	0.0	OFF	506	0	73	0.00	0	65.5	65.5	65.5	38.8	38.8
7-8 AM	792	0.0	115	0.0	OFF	792	0	115	0.00	0	64.9	64.9	64.9	38.3	38.3
8-9 AM	1081	0.0	156	0.0	1500	1081	0	156	0.53	0	64.4	60.9	41.4	37.8	37.8
9-10 AM	1307	0.0	189	0.0	1500	1307	0	189	0.78	0	64.0	59.1	35.3	37.4	37.4
10-11 AM	1422	0.0	207	0.0	1499	1422	0	207	0.92	0	63.7	58.1	32.5	37.2	37.2
11A-NOON	1497	0.0	217	0.0	1499	1497	0	217	1.03	0	63.6	57.3	30.9	37.1	37.1
NOON-1PM	1464	0.0	213	0.0	1500	1464	0	213	0.98	0	63.7	57.7	31.5	37.1	37.1
1-2 PM	1467	0.0	213	0.0	1500	1467	0	213	0.98	0	63.7	57.6	31.5	37.1	37.1
2-3 PM	1435	0.0	208	0.0	1500	1435	0	208	0.94	0	63.7	57.9	32.2	37.1	37.1
3-4 PM	1392	0.0	202	0.0	1500	1392	0	202	0.88	0	63.8	58.3	33.2	37.3	37.3
4-5 PM	1384	0.0	201	0.0	1500	1384	0	201	0.87	0	63.8	58.4	33.3	37.3	37.3
5-6 PM	1214	0.0	176	0.0	1500	1214	0	176	0.65	0	64.1	59.9	38.0	37.6	37.6
6-7 PM	1073	0.0	155	0.0	OFF	1073	0	155	0.00	0	64.4	64.4	64.4	37.8	37.8
7-8 PM	944	0.0	137	0.0	OFF	944	0	137	0.00	0	64.6	64.6	64.6	38.1	38.1
8-9 PM	853	0.0	124	0.0	OFF	853	0	124	0.00	0	64.8	64.8	64.8	38.2	38.2
9-10 PM	743	0.0	108	0.0	OFF	743	0	108	0.00	0	65.0	65.0	65.0	38.4	38.4
10-11 PM	600	0.0	87	0.0	OFF	600	0	87	0.00	0	65.3	65.3	65.3	38.7	38.7
11PM-MID	439	0.0	64	0.0	OFF	439	0	64	0.00	0	65.6	65.6	65.6	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	0.0341
MAIN ROUTE WITH WORKS	0.0332
DIVERSION	0.0696

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$3,449
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

