

IH 39/90: STH 11 TO STATE LINE (ROCK COUNTY) CONTINUOUS (24 HOUR) 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	1500	453	0	66	0.47	0	65.5	62.3	43.7	38.9	38.9
1-2 AM	337	0.0	49	0.0	1500	337	0	49	0.46	0	65.8	62.7	44.2	39.1	39.1
2-3 AM	314	0.0	45	0.0	1500	314	0	45	0.45	0	65.8	62.7	44.2	39.2	39.2
3-4 AM	275	0.0	40	0.0	1500	275	0	40	0.45	0	65.9	62.8	44.4	39.2	39.2
4-5 AM	358	0.0	52	0.0	1500	358	0	52	0.46	0	65.7	62.6	44.0	39.1	39.1
5-6 AM	589	0.0	85	0.0	1500	589	0	85	0.48	0	65.3	62.0	43.2	38.7	38.7
6-7 AM	921	0.0	134	0.0	1500	921	0	134	0.51	0	64.6	61.3	42.0	38.1	38.1
7-8 AM	1212	0.0	176	0.0	1499	1212	0	176	0.65	0	64.1	59.9	38.3	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	1500	1076	0	157	0.90	11	64.4	58.7	40.8	37.8	37.8
7-8 PM	902	0.0	131	0.0	1500	902	0	131	0.51	0	64.7	61.4	42.0	38.1	38.1
8-9 PM	793	0.0	115	0.0	1500	793	0	115	0.50	0	64.9	61.6	42.4	38.3	38.3
9-10 PM	667	0.0	97	0.0	1500	667	0	97	0.49	0	65.1	61.9	42.8	38.6	38.6
10-11 PM	471	0.0	68	0.0	1500	471	0	68	0.47	0	65.5	62.3	43.6	38.9	38.9
11PM-MID	364	0.0	52	0.0	1500	364	0	52	0.46	0	65.7	62.6	44.0	39.1	39.1

----- 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	0.0363
DIVERSION	0.0989

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$79,886
CONGESTED HOURS PER DAY*	7

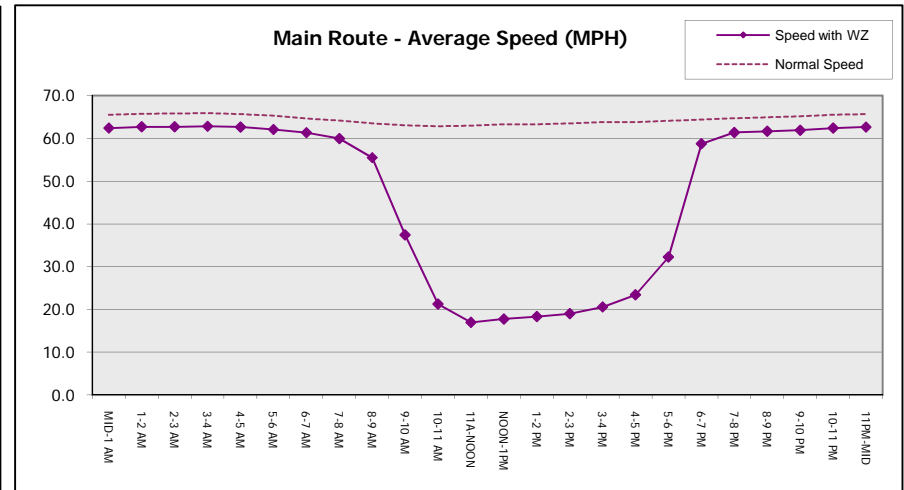
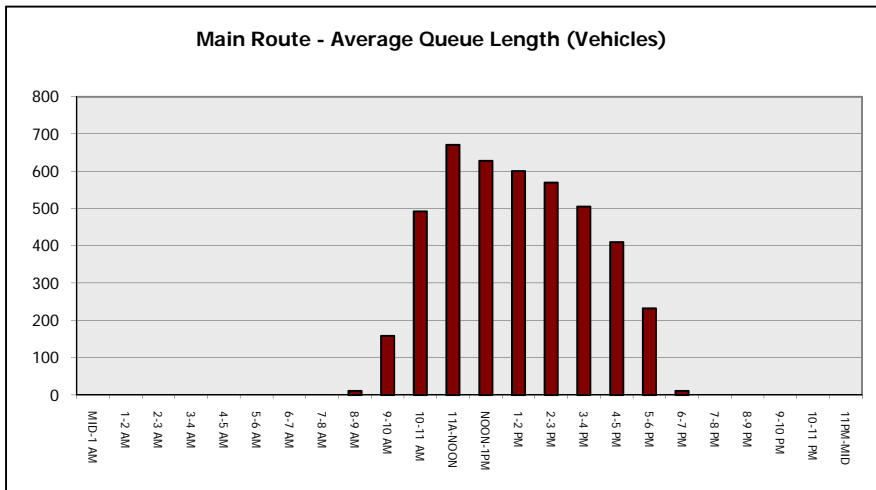
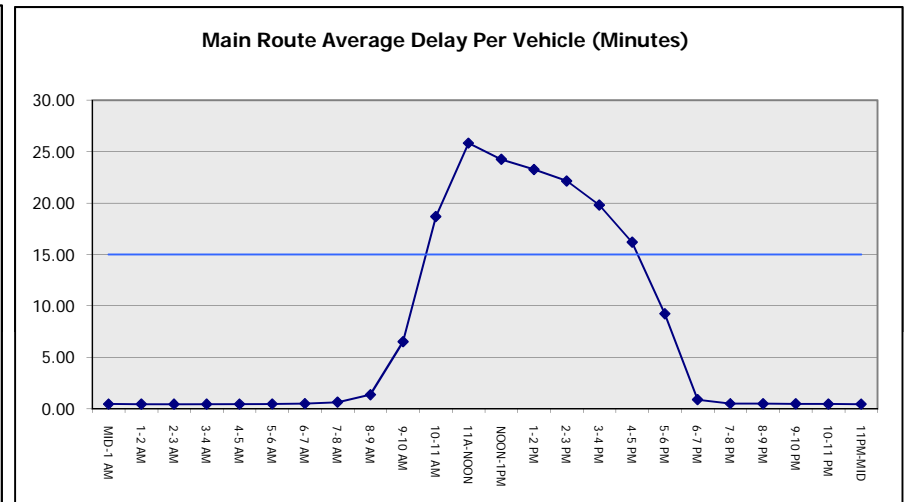
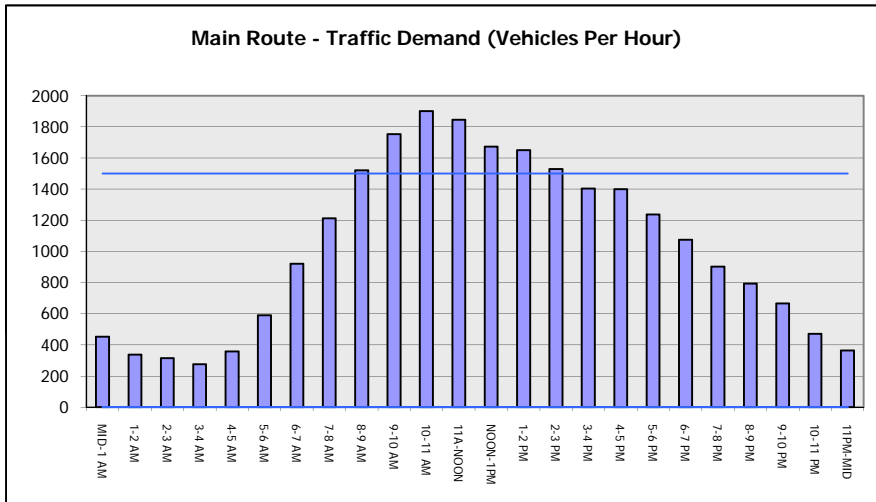
*Delays Exceeding 15 Minutes

**IH 39/90: STH 11 TO STATE LINE (ROCK COUNTY)
 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - STH 11**

MAY
 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) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - STH 11	MAY
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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						
	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	1500	387	0	57	0.46	0	65.6	62.5	44.0	39.1	39.1
1-2 AM	282	0.0	41	0.0	1500	282	0	41	0.45	0	65.9	62.8	44.3	39.2	39.2
2-3 AM	272	0.0	39	0.0	1500	272	0	39	0.45	0	65.9	62.8	44.4	39.2	39.2
3-4 AM	287	0.0	42	0.0	1500	287	0	42	0.45	0	65.8	62.7	44.3	39.2	39.2
4-5 AM	291	0.0	42	0.0	1500	291	0	42	0.45	0	65.8	62.7	44.3	39.2	39.2
5-6 AM	330	0.0	48	0.0	1500	330	0	48	0.45	0	65.8	62.7	44.2	39.1	39.1
6-7 AM	506	0.0	73	0.0	1500	506	0	73	0.47	0	65.5	62.2	43.5	38.8	38.8
7-8 AM	792	0.0	115	0.0	1500	792	0	115	0.50	0	64.9	61.6	42.4	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	1500	1073	0	155	0.53	0	64.4	60.9	41.4	37.8	37.8
7-8 PM	944	0.0	137	0.0	1500	944	0	137	0.51	0	64.6	61.2	41.9	38.1	38.1
8-9 PM	853	0.0	124	0.0	1500	853	0	124	0.51	0	64.8	61.4	42.2	38.2	38.2
9-10 PM	743	0.0	108	0.0	1500	743	0	108	0.49	0	65.0	61.7	42.6	38.4	38.4
10-11 PM	600	0.0	87	0.0	1500	600	0	87	0.48	0	65.3	62.0	43.1	38.7	38.7
11PM-MID	439	0.0	64	0.0	1500	439	0	64	0.47	0	65.6	62.4	43.7	38.9	38.9

----- 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	0.0327
DIVERSION	0.0696

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$4,536
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) 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 EASTBOUND DIRECTION

