

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

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	1500	450	0	65	0.47	0	65.6	62.3	43.7	38.9	38.9
1-2 AM	343	0.0	49	0.0	1500	343	0	49	0.46	0	65.8	62.6	44.1	39.1	39.1
2-3 AM	354	0.0	51	0.0	1500	354	0	51	0.46	0	65.7	62.6	44.1	39.1	39.1
3-4 AM	345	0.0	50	0.0	1500	345	0	50	0.46	0	65.8	62.6	44.1	39.1	39.1
4-5 AM	468	0.0	68	0.0	1500	468	0	68	0.47	0	65.5	62.3	43.7	38.9	38.9
5-6 AM	918	0.0	134	0.0	1500	918	0	134	0.51	0	64.6	61.3	42.0	38.1	38.1
6-7 AM	1424	0.0	207	0.0	1499	1424	0	207	0.92	0	63.7	58.0	32.5	37.2	37.2
7-8 AM	1511	0.0	219	0.0	1499	1511	0	219	1.15	3	63.6	56.6	30.8	37.0	37.0
8-9 AM	1490	0.0	216	0.0	1500	1490	0	216	1.13	3	63.6	56.8	30.9	37.1	37.1
9-10 AM	1608	0.0	234	0.0	1500	1608	0	234	2.74	49	63.4	49.1	30.8	36.8	36.8
10-11 AM	1671	0.0	243	0.0	1500	1671	0	243	7.92	191	63.3	34.5	30.8	36.7	36.7
11A-NOON	1702	0.0	247	0.0	1500	1702	0	247	14.79	377	63.2	24.7	30.8	36.7	36.7
NOON-1PM	1775	0.0	257	0.0	1499	1660	115	372	22.47	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	26.26	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	1500	1530	514	811	28.83	754	62.6	15.6	30.8	36.1	29.7
5-6 PM	1936	0.0	281	0.0	1499	1451	485	766	28.14	734	62.8	15.9	30.8	36.3	30.2
6-7 PM	1970	0.0	286	0.0	1500	1511	460	746	27.82	726	62.7	16.0	30.8	36.2	30.5
7-8 PM	1819	0.0	265	0.0	1499	1431	388	653	26.50	690	63.0	16.6	30.8	36.5	31.6
8-9 PM	1667	0.0	242	0.0	1500	1432	234	476	24.21	627	63.3	17.8	30.8	36.8	33.8
9-10 PM	1283	0.0	186	0.0	1499	1265	18	204	19.01	489	64.0	21.1	30.8	37.4	37.2
10-11 PM	911	0.0	133	0.0	1499	911	0	133	3.84	121	64.7	45.7	39.1	38.1	38.1
11PM-MID	602	0.0	87	0.0	1500	602	0	87	0.48	0	65.3	62.0	43.1	38.7	38.7

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0437
DIVERSION	0.1774

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$129,086
CONGESTED HOURS PER DAY*	10

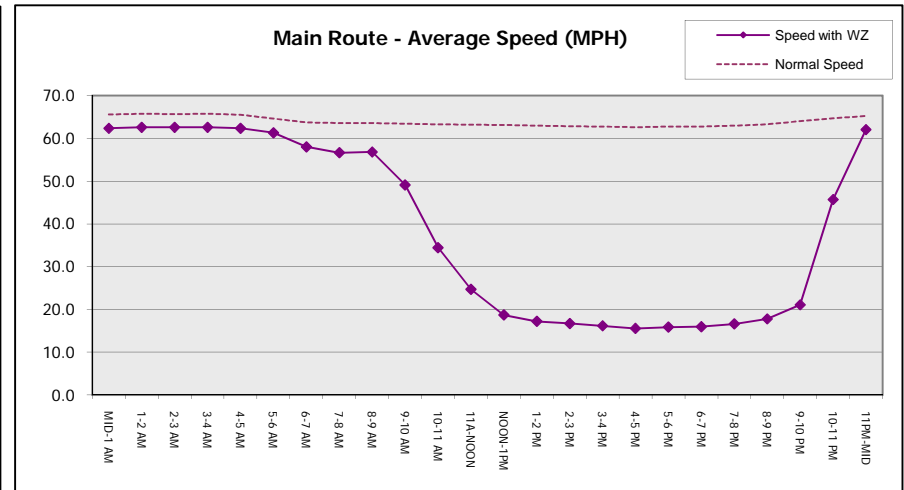
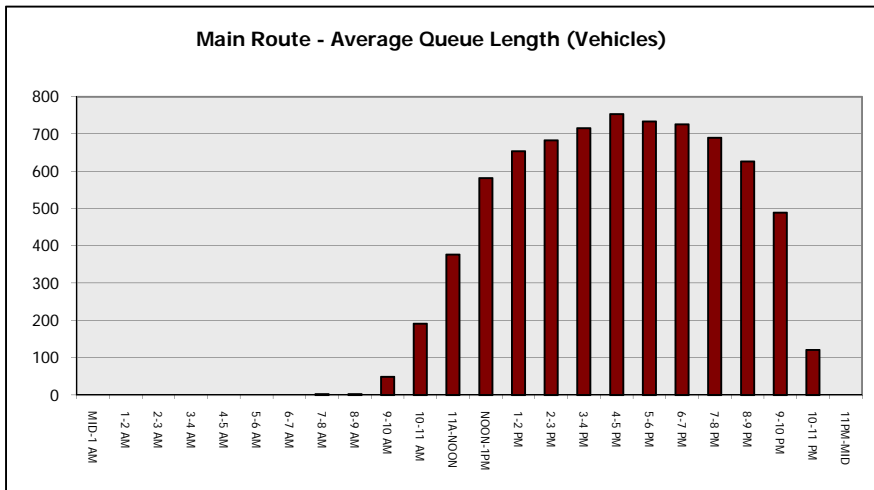
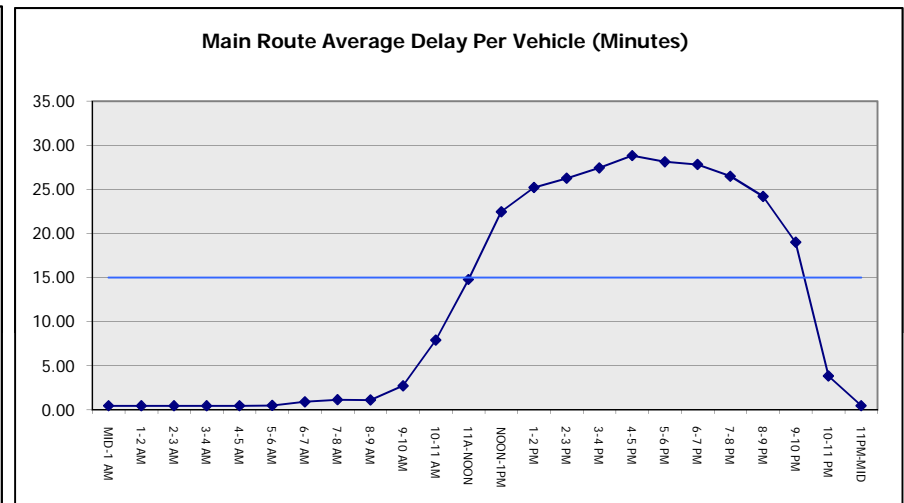
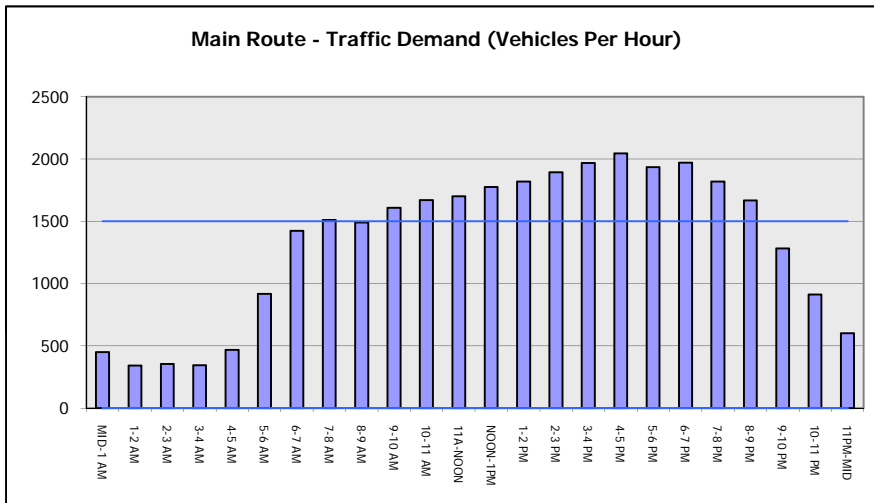
*Delays Exceeding 15 Minutes

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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

FRIDAY 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
	Analyzed for 2009 Construction Season

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	1500	384	0	56	0.46	0	65.6	62.5	44.0	39.1	39.1
1-2 AM	335	0.0	48	0.0	1500	335	0	48	0.45	0	65.8	62.7	44.2	39.1	39.1
2-3 AM	329	0.0	47	0.0	1500	329	0	47	0.45	0	65.8	62.7	44.2	39.2	39.2
3-4 AM	365	0.0	54	0.0	1500	365	0	54	0.46	0	65.7	62.5	44.0	39.1	39.1
4-5 AM	399	0.0	58	0.0	1500	399	0	58	0.46	0	65.6	62.5	43.9	39.0	39.0
5-6 AM	505	0.0	73	0.0	1500	505	0	73	0.47	0	65.5	62.2	43.5	38.8	38.8
6-7 AM	788	0.0	114	0.0	1500	788	0	114	0.50	0	64.9	61.6	42.4	38.3	38.3
7-8 AM	1064	0.0	154	0.0	1500	1064	0	154	0.53	0	64.4	61.0	41.5	37.8	37.8
8-9 AM	1165	0.0	169	0.0	1500	1165	0	169	0.59	0	64.2	60.4	39.6	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	1499	1663	152	416	23.20	602	63.0	18.3	30.8	36.5	34.6
5-6 PM	1715	0.0	249	0.0	1499	1461	254	503	24.53	635	63.2	17.6	30.8	36.6	33.5
6-7 PM	1578	0.0	230	0.0	1500	1446	132	362	22.88	590	63.5	18.6	30.8	36.9	35.3
7-8 PM	1303	0.0	189	0.0	1499	1303	0	189	18.65	478	64.0	21.4	30.8	37.4	37.4
8-9 PM	1097	0.0	160	0.0	1499	1097	0	160	6.23	177	64.3	38.6	35.3	37.8	37.8
9-10 PM	915	0.0	133	0.0	1500	915	0	133	0.51	0	64.7	61.3	42.0	38.1	38.1
10-11 PM	765	0.0	111	0.0	1500	765	0	111	0.50	0	65.0	61.7	42.5	38.4	38.4
11PM-MID	579	0.0	84	0.0	1500	579	0	84	0.48	0	65.3	62.1	43.2	38.7	38.7

----- 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	0.0382
DIVERSION	0.0950

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$50,732
CONGESTED HOURS PER DAY*	5

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) 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

