

IH 39/90: USH 14 TO STATE LINE (ROCK COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - USH 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	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	OFF	1608	0	234	0.00	0	63.4	63.4	63.4	36.8	36.8
10-11 AM	1671	0.0	243	0.0	OFF	1671	0	243	0.00	0	63.3	63.3	63.3	36.7	36.7
11A-NOON	1702	0.0	247	0.0	OFF	1702	0	247	0.00	0	63.2	63.2	63.2	36.7	36.7
NOON-1PM	1775	0.0	257	0.0	OFF	1775	0	257	0.00	0	63.1	63.1	63.1	36.6	36.6
1-2 PM	1820	0.0	265	0.0	OFF	1820	0	265	0.00	0	63.0	63.0	63.0	36.5	36.5
2-3 PM	1894	0.0	275	0.0	OFF	1894	0	275	0.00	0	62.8	62.8	62.8	36.3	36.3
3-4 PM	1969	0.0	286	0.0	OFF	1969	0	286	0.00	0	62.7	62.7	62.7	36.2	36.2
4-5 PM	2044	0.0	297	0.0	OFF	2044	0	297	0.00	0	62.6	62.6	62.6	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	1499	1819	0	265	6.69	169	63.0	37.0	30.8	36.5	36.5
8-9 PM	1667	0.0	242	0.0	1499	1667	0	242	16.41	419	63.3	23.2	30.8	36.8	36.8
9-10 PM	1283	0.0	186	0.0	1499	1283	0	186	15.70	400	64.0	23.9	30.8	37.4	37.4
10-11 PM	911	0.0	133	0.0	1499	911	0	133	2.54	71	64.7	50.8	40.3	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

"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	0.0503
DIVERSION	0.1037

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$15,099
CONGESTED HOURS PER DAY*	2

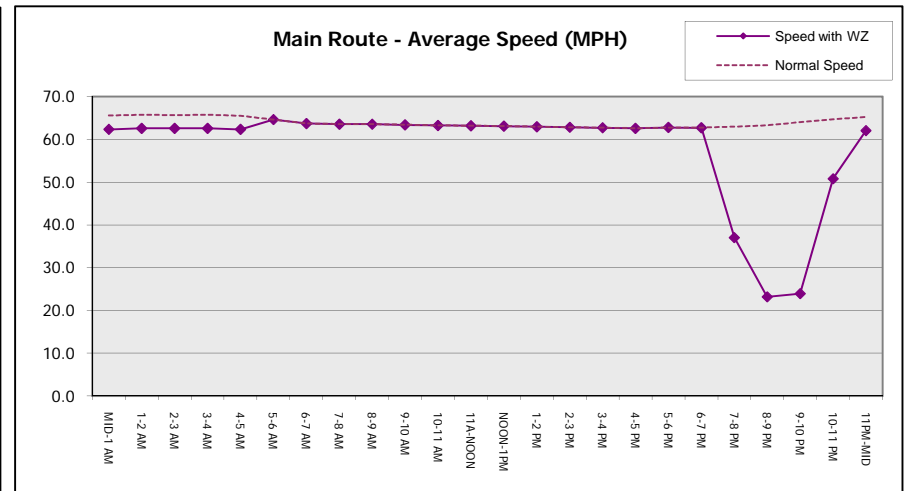
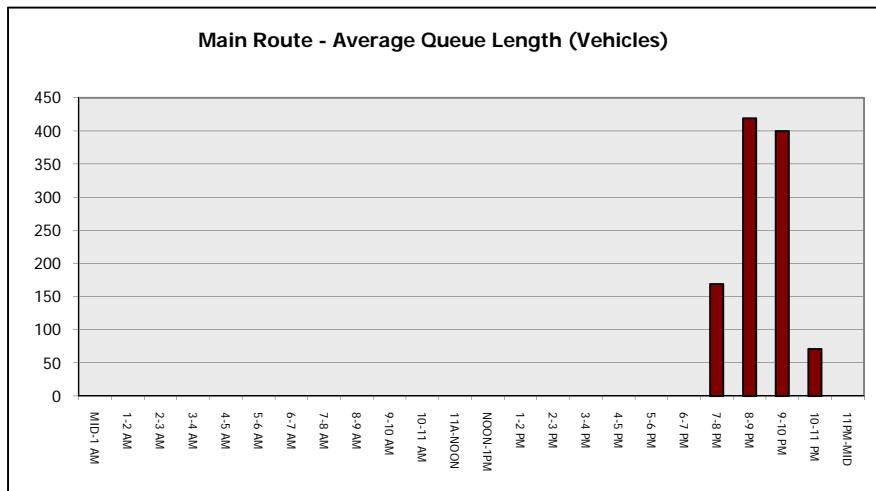
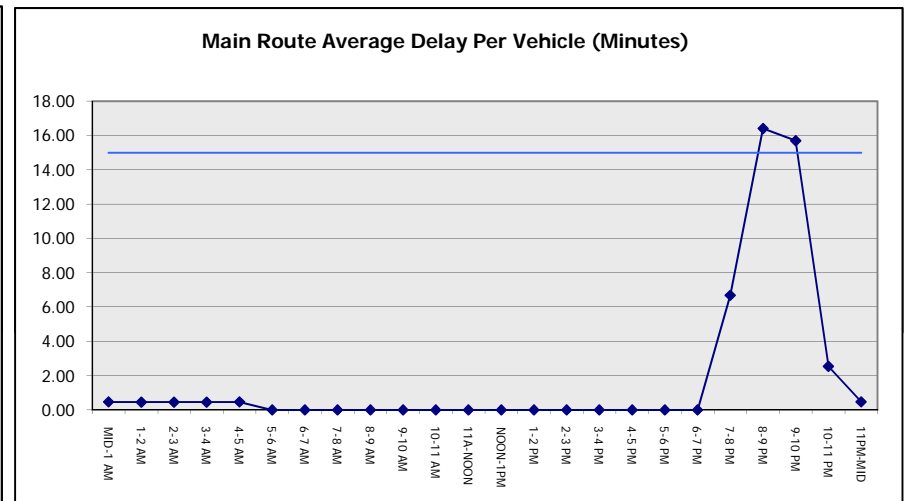
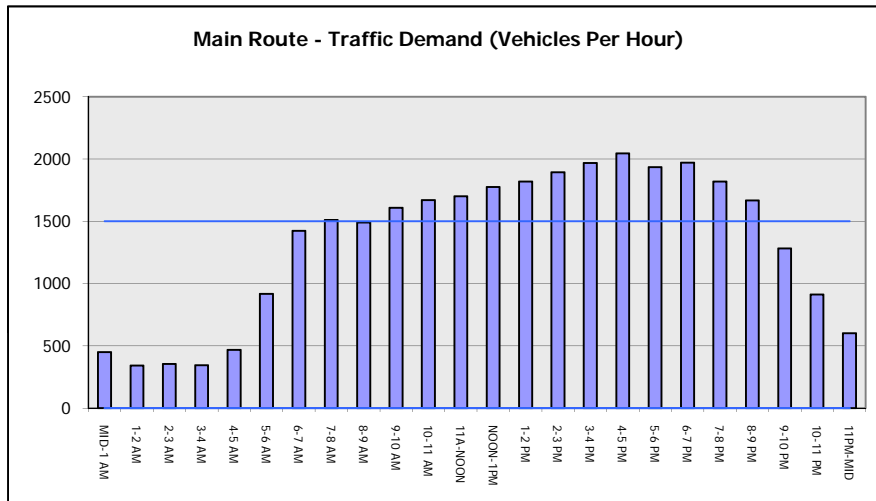
*Delays Exceeding 15 Minutes

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 NIGHTTIME CLOSURE
 DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - USH 11**

MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



IH 39/90: USH 14 TO STATE LINE (ROCK COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - USH 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	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	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	OFF	1270	0	184	0.00	0	64.0	64.0	64.0	37.4	37.4
10-11 AM	1311	0.0	190	0.0	OFF	1311	0	190	0.00	0	64.0	64.0	64.0	37.4	37.4
11A-NOON	1446	0.0	210	0.0	OFF	1446	0	210	0.00	0	63.7	63.7	63.7	37.1	37.1
NOON-1PM	1475	0.0	214	0.0	OFF	1475	0	214	0.00	0	63.7	63.7	63.7	37.1	37.1
1-2 PM	1623	0.0	236	0.0	OFF	1623	0	236	0.00	0	63.3	63.3	63.3	36.8	36.8
2-3 PM	1685	0.0	245	0.0	OFF	1685	0	245	0.00	0	63.2	63.2	63.2	36.7	36.7
3-4 PM	1683	0.0	244	0.0	OFF	1683	0	244	0.00	0	63.3	63.3	63.3	36.7	36.7
4-5 PM	1816	0.0	264	0.0	OFF	1816	0	264	0.00	0	63.0	63.0	63.0	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	1500	1303	0	189	0.77	0	64.0	59.1	35.4	37.4	37.4
8-9 PM	1097	0.0	160	0.0	1500	1097	0	160	0.53	0	64.3	60.9	41.4	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

"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	0.0403
DIVERSION	0.0829

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$846
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

