

IH 39/90: USH 14 TO STATE LINE (ROCK COUNTY) NIGHTTIME CLOSURE DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - USH 11	OCTOBER
	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	399	0.0	58	0.0	1500	399	0	58	0.46	0	65.6	62.5	43.9	39.0	39.0
1-2 AM	326	0.0	47	0.0	1500	326	0	47	0.45	0	65.8	62.7	44.2	39.2	39.2
2-3 AM	353	0.0	51	0.0	1500	353	0	51	0.46	0	65.7	62.6	44.1	39.1	39.1
3-4 AM	323	0.0	47	0.0	1500	323	0	47	0.45	0	65.8	62.7	44.2	39.2	39.2
4-5 AM	444	0.0	65	0.0	1500	444	0	65	0.47	0	65.6	62.4	43.7	38.9	38.9
5-6 AM	828	0.0	120	0.0	OFF	828	0	120	0.00	0	64.8	64.8	64.8	38.3	38.3
6-7 AM	1360	0.0	198	0.0	OFF	1360	0	198	0.00	0	63.8	63.8	63.8	37.3	37.3
7-8 AM	1517	0.0	220	0.0	OFF	1517	0	220	0.00	0	63.5	63.5	63.5	37.0	37.0
8-9 AM	1442	0.0	209	0.0	OFF	1442	0	209	0.00	0	63.7	63.7	63.7	37.1	37.1
9-10 AM	1550	0.0	226	0.0	OFF	1550	0	226	0.00	0	63.5	63.5	63.5	36.9	36.9
10-11 AM	1778	0.0	258	0.0	OFF	1778	0	258	0.00	0	63.1	63.1	63.1	36.5	36.5
11A-NOON	1949	0.0	283	0.0	OFF	1949	0	283	0.00	0	62.8	62.8	62.8	36.2	36.2
NOON-1PM	1996	0.0	290	0.0	OFF	1996	0	290	0.00	0	62.7	62.7	62.7	36.1	36.1
1-2 PM	2095	0.0	305	0.0	OFF	2095	0	305	0.00	0	62.5	62.5	62.5	36.0	36.0
2-3 PM	2221	0.0	322	0.0	OFF	2221	0	322	0.00	0	62.2	62.2	62.2	35.8	35.8
3-4 PM	2428	0.0	353	0.0	OFF	2428	0	353	0.00	0	61.6	61.6	61.6	35.3	35.3
4-5 PM	2550	0.0	371	0.0	OFF	2550	0	371	0.00	0	60.4	60.4	60.4	35.1	35.1
5-6 PM	2533	0.0	368	0.0	OFF	2533	0	368	0.00	0	60.5	60.5	60.5	35.1	35.1
6-7 PM	2199	0.0	319	0.0	OFF	2199	0	319	0.00	0	62.3	62.3	62.3	35.8	35.8
7-8 PM	1974	0.0	287	0.0	1499	1974	0	287	9.27	252	62.7	31.9	30.8	36.2	36.2
8-9 PM	1726	0.0	251	0.0	1499	1623	103	354	22.28	576	63.2	18.9	30.8	36.6	35.3
9-10 PM	1280	0.0	185	0.0	1499	1254	26	211	19.11	492	64.0	21.1	30.8	37.4	37.1
10-11 PM	894	0.0	130	0.0	1499	894	0	130	3.72	118	64.7	46.1	39.3	38.1	38.1
11PM-MID	534	0.0	77	0.0	1500	534	0	77	0.47	0	65.4	62.2	43.3	38.8	38.8

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0552
MAIN ROUTE WITH WORKS	0.0545
DIVERSION	0.1154

PIA: Personal Injury Accidents

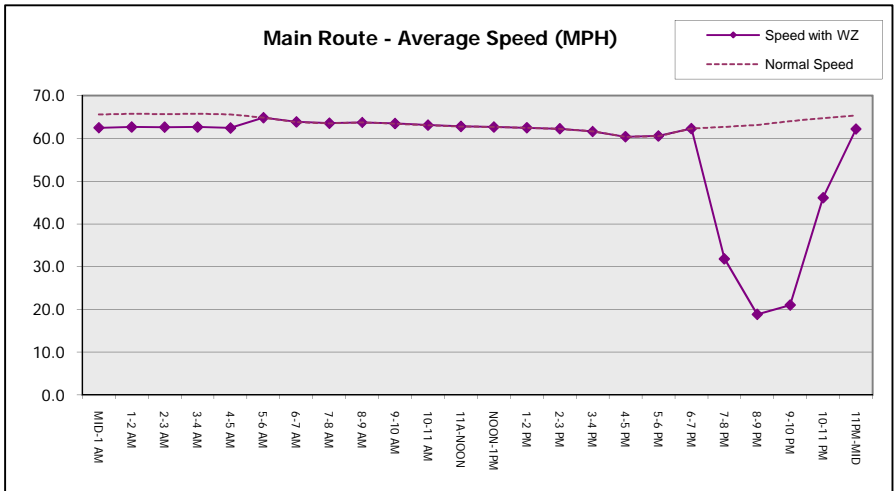
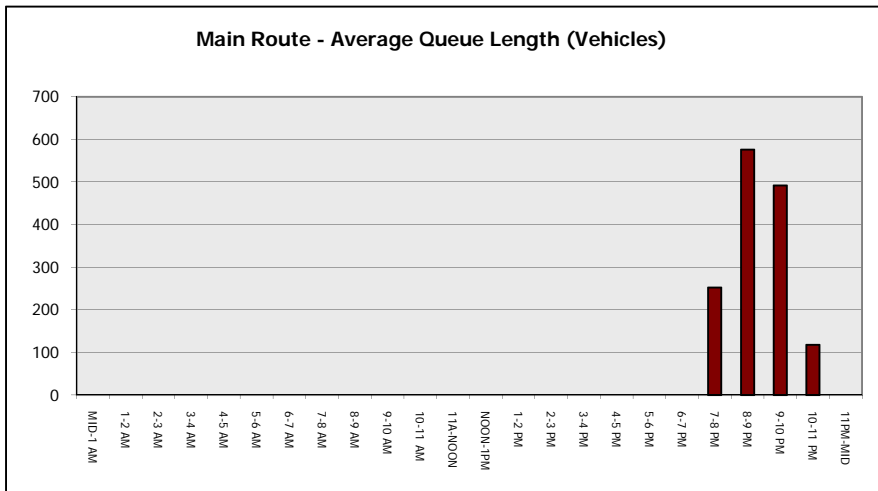
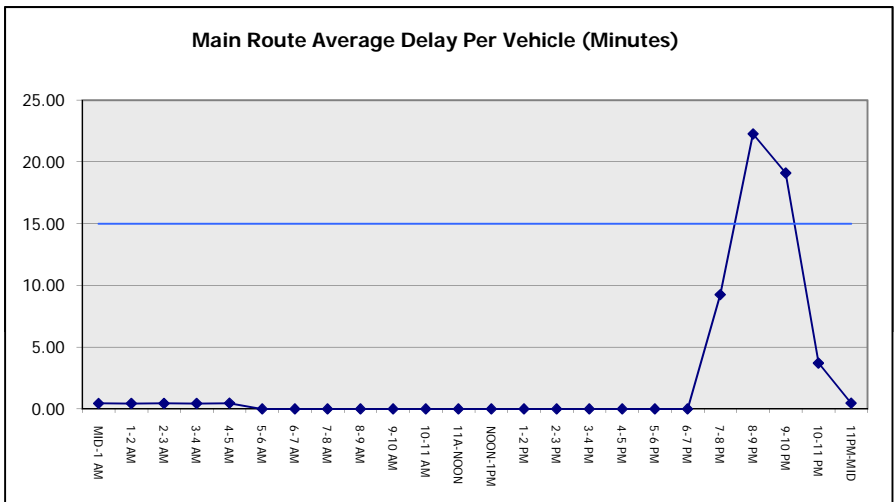
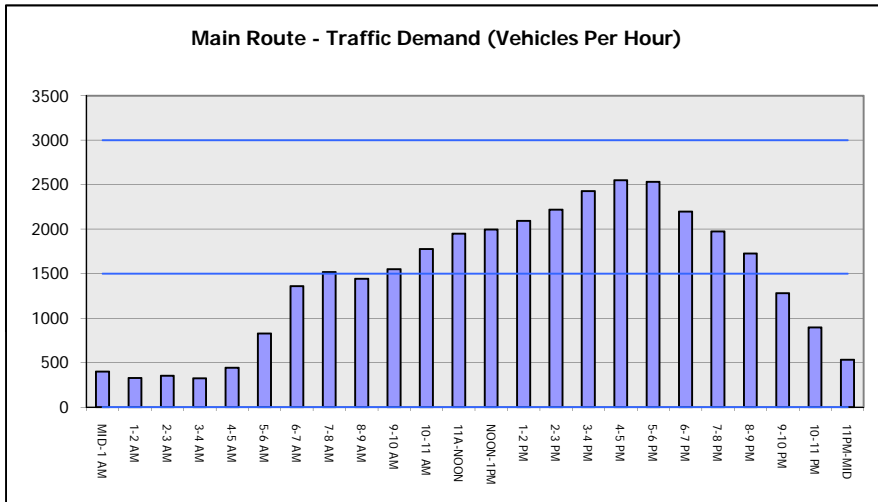
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$21,126
CONGESTED HOURS PER DAY*	2

*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**

OCTOBER
 Analyzed for 2009
 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	OCTOBER
	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	350	0.0	50	0.0	1500	350	0	50	0.46	0	65.8	62.6	44.1	39.1	39.1
1-2 AM	302	0.0	44	0.0	1500	302	0	44	0.45	0	65.8	62.7	44.3	39.2	39.2
2-3 AM	294	0.0	43	0.0	1500	294	0	43	0.45	0	65.8	62.7	44.3	39.2	39.2
3-4 AM	357	0.0	51	0.0	1500	357	0	51	0.46	0	65.7	62.6	44.0	39.1	39.1
4-5 AM	413	0.0	60	0.0	1500	413	0	60	0.46	0	65.6	62.5	43.8	39.0	39.0
5-6 AM	511	0.0	74	0.0	OFF	511	0	74	0.00	0	65.5	65.5	65.5	38.8	38.8
6-7 AM	805	0.0	117	0.0	OFF	805	0	117	0.00	0	64.9	64.9	64.9	38.3	38.3
7-8 AM	1114	0.0	162	0.0	OFF	1114	0	162	0.00	0	64.3	64.3	64.3	37.8	37.8
8-9 AM	1258	0.0	182	0.0	OFF	1258	0	182	0.00	0	64.0	64.0	64.0	37.5	37.5
9-10 AM	1386	0.0	201	0.0	OFF	1386	0	201	0.00	0	63.8	63.8	63.8	37.3	37.3
10-11 AM	1497	0.0	217	0.0	OFF	1497	0	217	0.00	0	63.6	63.6	63.6	37.1	37.1
11A-NOON	1640	0.0	238	0.0	OFF	1640	0	238	0.00	0	63.3	63.3	63.3	36.8	36.8
NOON-1PM	1812	0.0	264	0.0	OFF	1812	0	264	0.00	0	63.0	63.0	63.0	36.5	36.5
1-2 PM	1960	0.0	285	0.0	OFF	1960	0	285	0.00	0	62.7	62.7	62.7	36.2	36.2
2-3 PM	2076	0.0	302	0.0	OFF	2076	0	302	0.00	0	62.5	62.5	62.5	36.0	36.0
3-4 PM	2243	0.0	325	0.0	OFF	2243	0	325	0.00	0	62.2	62.2	62.2	35.7	35.7
4-5 PM	2354	0.0	342	0.0	OFF	2354	0	342	0.00	0	62.0	62.0	62.0	35.5	35.5
5-6 PM	2241	0.0	325	0.0	OFF	2241	0	325	0.00	0	62.2	62.2	62.2	35.7	35.7
6-7 PM	1791	0.0	261	0.0	OFF	1791	0	261	0.00	0	63.0	63.0	63.0	36.5	36.5
7-8 PM	1420	0.0	206	0.0	1499	1420	0	206	0.95	0	63.7	57.9	32.7	37.2	37.2
8-9 PM	1088	0.0	158	0.0	1500	1088	0	158	0.53	0	64.3	60.9	41.4	37.8	37.8
9-10 PM	965	0.0	140	0.0	1500	965	0	140	0.52	0	64.6	61.2	41.8	38.0	38.0
10-11 PM	775	0.0	112	0.0	1500	775	0	112	0.50	0	65.0	61.6	42.5	38.4	38.4
11PM-MID	538	0.0	78	0.0	1500	538	0	78	0.47	0	65.4	62.2	43.3	38.8	38.8

"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	0.0464
MAIN ROUTE WITH WORKS	0.0460
DIVERSION	0.0946

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$950
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

