

IH 39/90: USH 14 TO STH 11 (ROCK COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 11 - USH 14	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	357	0.0	58	0.0	1500	357	0	58	0.46	0	65.7	56.6	44.0	39.0	39.0
1-2 AM	292	0.0	47	0.0	1500	292	0	47	0.45	0	65.8	56.8	44.3	39.2	39.2
2-3 AM	339	0.0	55	0.0	1500	339	0	55	0.46	0	65.8	56.6	44.2	39.1	39.1
3-4 AM	345	0.0	56	0.0	1500	345	0	56	0.46	0	65.8	56.6	44.1	39.1	39.1
4-5 AM	541	0.0	88	0.0	1500	541	0	88	0.47	0	65.4	56.0	43.3	38.6	38.6
5-6 AM	1030	0.0	167	0.0	1499	1030	0	167	0.55	0	64.5	54.2	40.9	37.7	37.7
6-7 AM	1562	0.0	252	0.0	1499	1562	0	252	1.55	16	63.5	41.5	30.9	36.6	36.6
7-8 AM	1616	0.0	262	0.0	1500	1616	0	262	5.71	130	63.4	21.5	30.8	36.5	36.5
8-9 AM	1398	0.0	227	0.0	1499	1398	0	227	6.10	139	63.8	20.6	30.8	36.9	36.9
9-10 AM	1379	0.0	223	0.0	1500	1379	0	223	1.70	25	63.8	40.3	32.5	36.9	36.9
10-11 AM	1464	0.0	237	0.0	1499	1464	0	237	0.98	0	63.7	47.7	31.5	36.8	36.8
11A-NOON	1518	0.0	245	0.0	1499	1518	0	245	1.30	7	63.5	44.0	30.8	36.7	36.7
NOON-1PM	1517	0.0	245	0.0	1499	1517	0	245	1.94	24	63.5	38.3	30.8	36.7	36.7
1-2 PM	1592	0.0	257	0.0	1500	1592	0	257	3.82	78	63.4	27.5	30.8	36.6	36.6
2-3 PM	1624	0.0	263	0.0	1499	1575	49	312	7.44	175	63.3	17.9	30.8	36.5	35.9
3-4 PM	1777	0.0	287	0.0	1499	1520	257	544	9.05	217	63.1	15.5	30.8	36.2	33.0
4-5 PM	1811	0.0	292	0.0	1500	1496	314	607	9.33	224	63.0	15.2	30.8	36.1	32.2
5-6 PM	1535	0.0	248	0.0	1499	1448	87	335	8.07	190	63.5	16.9	30.8	36.6	35.6
6-7 PM	1196	0.0	194	0.0	1499	1196	0	194	2.04	56	64.1	37.6	36.6	37.3	37.3
7-8 PM	1019	0.0	165	0.0	1500	1019	0	165	0.52	0	64.5	54.6	41.6	37.7	37.7
8-9 PM	936	0.0	151	0.0	1500	936	0	151	0.51	0	64.6	54.8	41.9	37.9	37.9
9-10 PM	785	0.0	127	0.0	1500	785	0	127	0.50	0	64.9	55.3	42.4	38.2	38.2
10-11 PM	609	0.0	99	0.0	1500	609	0	99	0.48	0	65.3	55.8	43.1	38.5	38.5
11PM-MID	407	0.0	66	0.0	1500	407	0	66	0.46	0	65.6	56.4	43.8	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	0.0132
MAIN ROUTE WITH WORKS	0.0111
DIVERSION	0.0389

PIA: Personal Injury Accidents

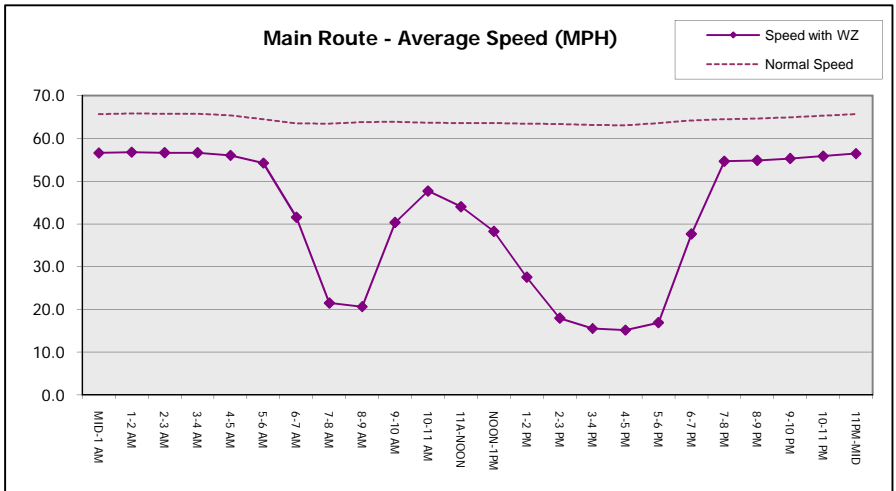
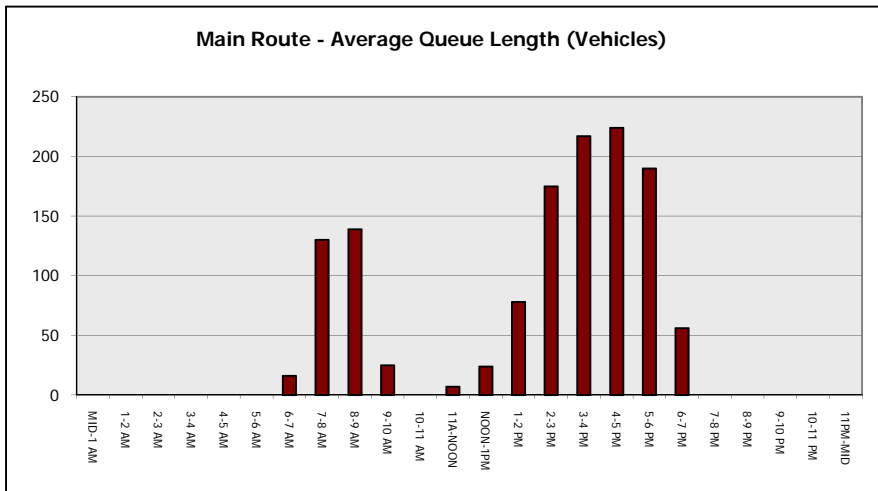
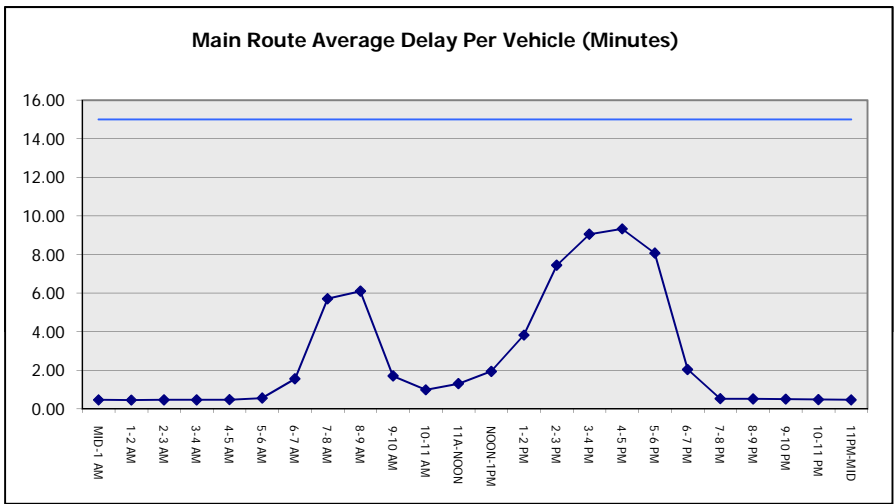
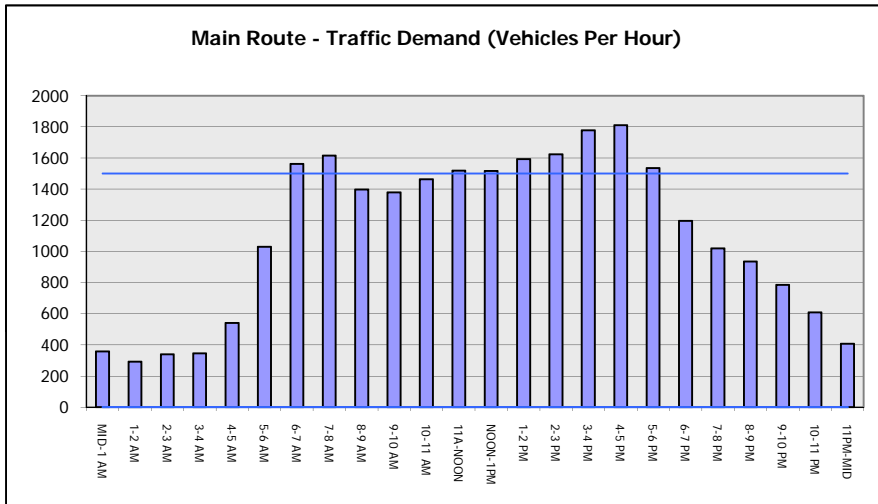
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$23,568
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



IH 39/90: USH 14 TO STH 11 (ROCK COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 11 - USH 14	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	351	0.0	57	0.0	1500	351	0	57	0.46	0	65.7	56.6	44.1	39.1	39.1
1-2 AM	297	0.0	48	0.0	1500	297	0	48	0.45	0	65.8	56.8	44.3	39.1	39.1
2-3 AM	327	0.0	53	0.0	1500	327	0	53	0.45	0	65.8	56.7	44.2	39.1	39.1
3-4 AM	394	0.0	64	0.0	1500	394	0	64	0.46	0	65.6	56.4	43.9	38.9	38.9
4-5 AM	510	0.0	82	0.0	1500	510	0	82	0.47	0	65.5	56.1	43.5	38.8	38.8
5-6 AM	739	0.0	119	0.0	1500	739	0	119	0.49	0	65.0	55.5	42.6	38.3	38.3
6-7 AM	1083	0.0	175	0.0	1500	1083	0	175	0.53	0	64.4	54.5	41.4	37.6	37.6
7-8 AM	1423	0.0	231	0.0	1500	1423	0	231	0.92	0	63.7	48.4	32.5	36.9	36.9
8-9 AM	1374	0.0	222	0.0	1500	1374	0	222	0.86	0	63.8	49.2	33.6	37.0	37.0
9-10 AM	1440	0.0	233	0.0	1499	1440	0	233	0.95	0	63.7	48.1	32.0	36.8	36.8
10-11 AM	1518	0.0	246	0.0	1499	1518	0	246	1.20	5	63.5	45.1	30.8	36.7	36.7
11A-NOON	1614	0.0	262	0.0	1500	1614	0	262	3.49	71	63.4	28.9	30.8	36.5	36.5
NOON-1PM	1696	0.0	274	0.0	1500	1577	119	393	8.18	195	63.2	16.7	30.8	36.3	34.8
1-2 PM	1818	0.0	294	0.0	1500	1520	298	592	9.27	223	63.0	15.2	30.8	36.1	32.4
2-3 PM	1988	0.0	321	0.0	1500	1530	458	779	10.19	248	62.7	14.2	30.8	35.8	30.1
3-4 PM	2206	0.0	357	0.0	1500	1542	664	1022	11.64	288	62.3	12.7	30.8	35.3	27.1
4-5 PM	2291	0.0	371	0.0	1500	1508	783	1154	12.58	313	62.1	11.9	30.8	35.1	25.4
5-6 PM	2077	0.0	336	0.0	1499	1440	637	973	11.33	280	62.5	13.0	30.8	35.6	27.6
6-7 PM	1541	0.0	249	0.0	1500	1403	138	387	8.16	194	63.5	16.8	30.8	36.6	35.0
7-8 PM	1180	0.0	190	0.0	1499	1180	0	190	1.79	47	64.2	39.6	37.3	37.4	37.4
8-9 PM	969	0.0	156	0.0	1500	969	0	156	0.52	0	64.6	54.8	41.8	37.8	37.8
9-10 PM	810	0.0	131	0.0	1500	810	0	131	0.50	0	64.9	55.2	42.4	38.1	38.1
10-11 PM	611	0.0	99	0.0	1500	611	0	99	0.48	0	65.3	55.8	43.1	38.5	38.5
11PM-MID	426	0.0	69	0.0	1500	426	0	69	0.46	0	65.6	56.4	43.8	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	0.0142
MAIN ROUTE WITH WORKS	0.0109
DIVERSION	0.0600

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$37,990
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 11 - USH 14**

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

