

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

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	313	0.0	45	0.0	1500	313	0	45	0.45	0	65.8	62.7	44.2	39.2	39.2
1-2 AM	256	0.0	37	0.0	1500	256	0	37	0.45	0	65.9	62.8	44.5	39.3	39.3
2-3 AM	297	0.0	43	0.0	1500	297	0	43	0.45	0	65.8	62.7	44.3	39.2	39.2
3-4 AM	303	0.0	44	0.0	1500	303	0	44	0.45	0	65.8	62.7	44.3	39.2	39.2
4-5 AM	476	0.0	69	0.0	1500	476	0	69	0.47	0	65.5	62.3	43.6	38.9	38.9
5-6 AM	905	0.0	132	0.0	1500	905	0	132	0.51	0	64.7	61.4	42.0	38.1	38.1
6-7 AM	1371	0.0	199	0.0	1500	1371	0	199	0.86	0	63.8	58.5	33.7	37.3	37.3
7-8 AM	1420	0.0	206	0.0	1500	1420	0	206	0.92	0	63.7	58.1	32.5	37.2	37.2
8-9 AM	1227	0.0	178	0.0	1500	1227	0	178	0.67	0	64.1	59.8	37.6	37.5	37.5
9-10 AM	1212	0.0	176	0.0	1500	1212	0	176	0.65	0	64.1	59.9	38.1	37.6	37.6
10-11 AM	1286	0.0	186	0.0	1500	1286	0	186	0.75	0	64.0	59.2	35.9	37.4	37.4
11A-NOON	1333	0.0	194	0.0	1500	1333	0	194	0.81	0	63.9	58.8	34.7	37.3	37.3
NOON-1PM	1332	0.0	194	0.0	1500	1332	0	194	0.81	0	63.9	58.8	34.7	37.3	37.3
1-2 PM	1398	0.0	203	0.0	1500	1398	0	203	0.89	0	63.8	58.2	33.0	37.2	37.2
2-3 PM	1426	0.0	207	0.0	1499	1426	0	207	0.93	0	63.7	58.0	32.4	37.2	37.2
3-4 PM	1560	0.0	227	0.0	1499	1560	0	227	1.90	24	63.5	52.8	30.8	36.9	36.9
4-5 PM	1589	0.0	231	0.0	1500	1589	0	231	5.07	110	63.4	41.3	30.8	36.9	36.9
5-6 PM	1347	0.0	196	0.0	1499	1347	0	196	4.08	89	63.9	44.5	32.2	37.3	37.3
6-7 PM	1050	0.0	152	0.0	1500	1050	0	152	0.52	0	64.5	61.0	41.5	37.9	37.9
7-8 PM	895	0.0	130	0.0	1500	895	0	130	0.51	0	64.7	61.4	42.0	38.1	38.1
8-9 PM	821	0.0	119	0.0	1500	821	0	119	0.50	0	64.8	61.5	42.3	38.3	38.3
9-10 PM	690	0.0	100	0.0	1500	690	0	100	0.49	0	65.1	61.8	42.8	38.5	38.5
10-11 PM	534	0.0	77	0.0	1500	534	0	77	0.47	0	65.4	62.2	43.3	38.8	38.8
11PM-MID	357	0.0	51	0.0	1500	357	0	51	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 (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	0.0372
MAIN ROUTE WITH WORKS	0.0357
DIVERSION	0.0758

PIA: Personal Injury Accidents

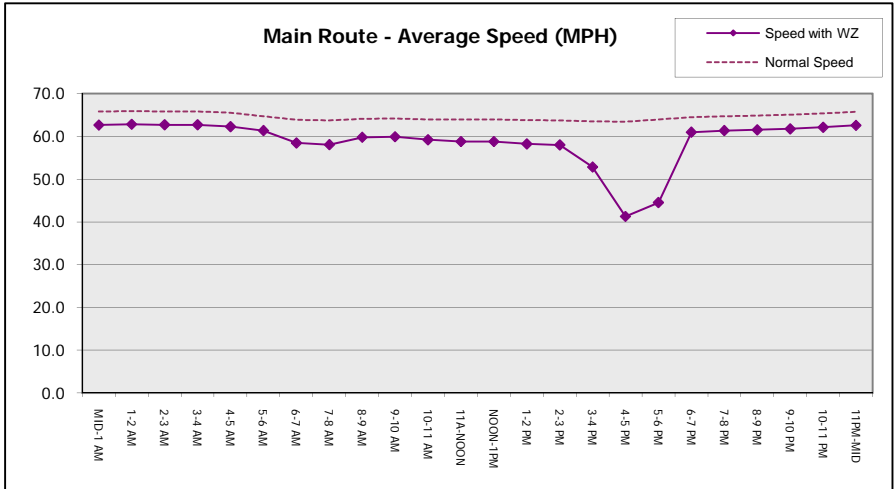
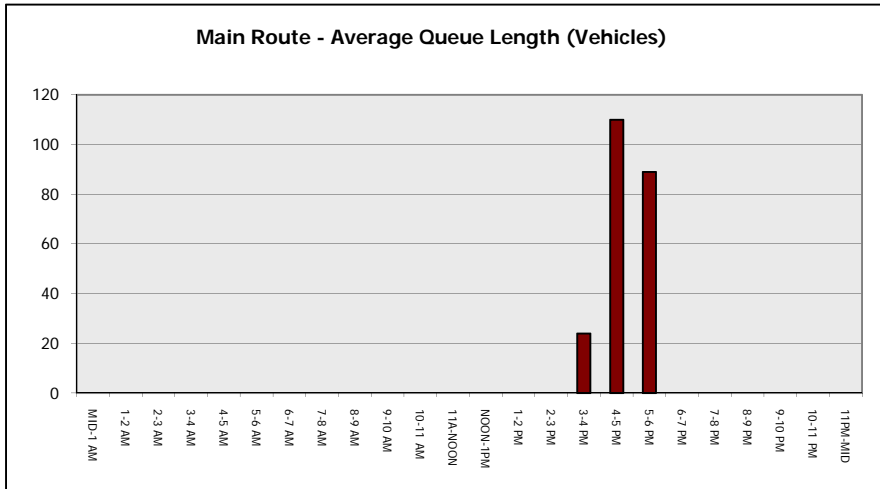
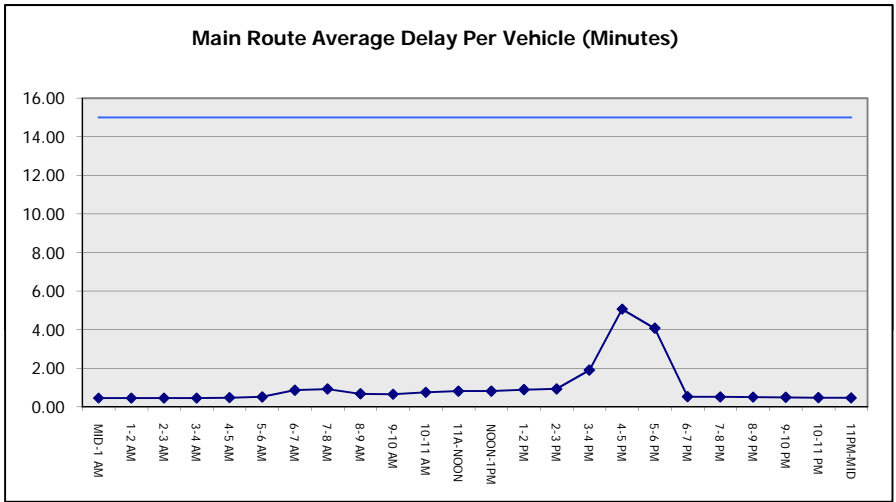
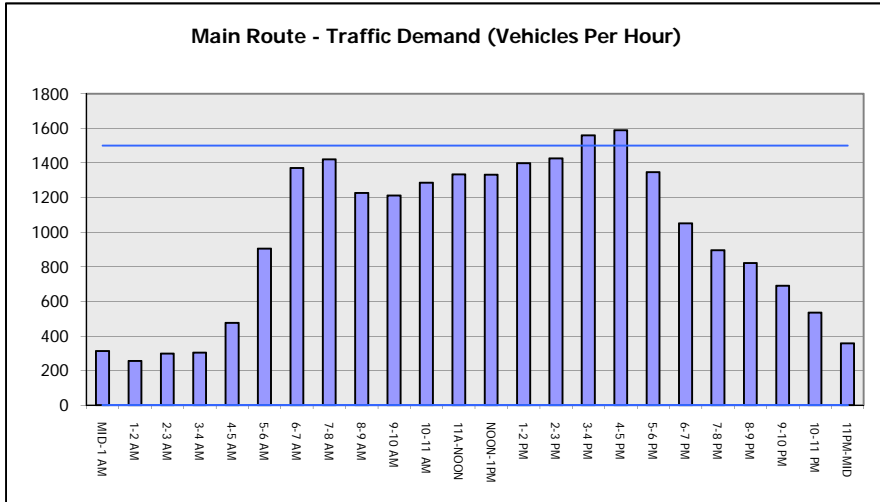
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$6,918
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: IH 43 - STH 140 - USH 14 - STH 11

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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	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	309	0.0	45	0.0	1500	309	0	45	0.45	0	65.8	62.7	44.3	39.2	39.2
1-2 AM	260	0.0	38	0.0	1500	260	0	38	0.45	0	65.9	62.8	44.5	39.2	39.2
2-3 AM	287	0.0	42	0.0	1500	287	0	42	0.45	0	65.8	62.7	44.3	39.2	39.2
3-4 AM	347	0.0	50	0.0	1500	347	0	50	0.46	0	65.8	62.6	44.1	39.1	39.1
4-5 AM	447	0.0	65	0.0	1500	447	0	65	0.47	0	65.6	62.3	43.7	38.9	38.9
5-6 AM	649	0.0	95	0.0	1500	649	0	95	0.49	0	65.2	61.9	43.0	38.6	38.6
6-7 AM	951	0.0	138	0.0	1500	951	0	138	0.51	0	64.6	61.2	41.9	38.0	38.0
7-8 AM	1250	0.0	181	0.0	1500	1250	0	181	0.70	0	64.1	59.6	36.9	37.5	37.5
8-9 AM	1206	0.0	175	0.0	1500	1206	0	175	0.65	0	64.1	60.0	38.3	37.6	37.6
9-10 AM	1264	0.0	183	0.0	1500	1264	0	183	0.72	0	64.0	59.4	36.5	37.4	37.4
10-11 AM	1333	0.0	194	0.0	1500	1333	0	194	0.81	0	63.9	58.8	34.7	37.3	37.3
11A-NOON	1417	0.0	206	0.0	1499	1417	0	206	0.92	0	63.7	58.1	32.6	37.2	37.2
NOON-1PM	1490	0.0	216	0.0	1499	1490	0	216	1.06	1	63.6	57.2	31.1	37.1	37.1
1-2 PM	1597	0.0	232	0.0	1500	1597	0	232	2.65	46	63.4	49.5	30.8	36.9	36.9
2-3 PM	1746	0.0	253	0.0	1500	1746	0	253	8.62	214	63.2	33.1	30.8	36.6	36.6
3-4 PM	1937	0.0	281	0.0	1500	1840	98	379	20.46	539	62.8	20.0	30.8	36.3	35.0
4-5 PM	2011	0.0	292	0.0	1499	1555	457	749	27.86	727	62.7	16.0	30.8	36.1	30.4
5-6 PM	1824	0.0	265	0.0	1499	1405	419	684	26.95	702	63.0	16.5	30.8	36.5	31.2
6-7 PM	1354	0.0	197	0.0	1499	1276	77	274	20.85	538	63.8	19.8	30.8	37.3	36.3
7-8 PM	1036	0.0	150	0.0	1499	1036	0	150	7.05	209	64.5	36.6	36.1	37.9	37.9
8-9 PM	850	0.0	124	0.0	1500	850	0	124	0.50	0	64.8	61.5	42.2	38.2	38.2
9-10 PM	711	0.0	103	0.0	1500	711	0	103	0.49	0	65.1	61.8	42.7	38.4	38.4
10-11 PM	537	0.0	78	0.0	1500	537	0	78	0.47	0	65.4	62.2	43.3	38.8	38.8
11PM-MID	374	0.0	55	0.0	1500	374	0	55	0.46	0	65.7	62.5	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	0.0401
MAIN ROUTE WITH WORKS	0.0368
DIVERSION	0.1051

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$48,693
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) CLOSURE
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 Construction Season

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

