

<b>IH 39/90/94: IH 39 &amp; IH 90/94 TO STH 60 (COLUMBIA COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	294	0.0	21	0.0	1500	294	0	21	0.51	0	70.2	66.6	44.3	39.5	39.5
1-2 AM	210	0.0	15	0.0	1500	210	0	15	0.50	0	70.2	66.7	44.6	39.6	39.6
2-3 AM	147	0.0	11	0.0	1500	147	0	11	0.49	0	70.2	66.7	44.9	39.6	39.6
3-4 AM	124	0.0	9	0.0	1500	124	0	9	0.49	0	70.2	66.8	45.0	39.6	39.6
4-5 AM	132	0.0	10	0.0	1500	132	0	10	0.49	0	70.2	66.8	45.0	39.6	39.6
5-6 AM	201	0.0	15	0.0	1500	201	0	15	0.50	0	70.2	66.7	44.6	39.6	39.6
6-7 AM	349	0.0	25	0.0	1500	349	0	25	0.52	0	70.2	66.6	44.1	39.4	39.4
7-8 AM	654	0.0	49	0.0	1500	654	0	49	0.55	0	69.9	66.1	42.9	39.1	39.1
8-9 AM	1245	0.0	92	0.0	1499	1245	0	92	0.78	0	69.2	64.0	37.1	38.6	38.6
9-10 AM	1993	0.0	147	0.0	OFF	1993	0	147	0.00	0	68.2	68.2	68.2	37.9	37.9
10-11 AM	2699	0.0	199	0.0	OFF	2699	0	199	0.00	0	67.4	67.4	67.4	37.3	37.3
11A-NOON	3104	0.0	229	0.0	OFF	3104	0	229	0.00	0	66.9	66.9	66.9	36.9	36.9
NOON-1PM	3204	0.0	236	0.0	OFF	3204	0	236	0.00	0	66.8	66.8	66.8	36.8	36.8
1-2 PM	3263	0.0	240	0.0	OFF	3263	0	240	0.00	0	66.7	66.7	66.7	36.8	36.8
2-3 PM	3208	0.0	236	0.0	OFF	3208	0	236	0.00	0	66.8	66.8	66.8	36.8	36.8
3-4 PM	2882	0.0	213	0.0	OFF	2882	0	213	0.00	0	67.1	67.1	67.1	37.1	37.1
4-5 PM	2615	0.0	193	0.0	OFF	2615	0	193	0.00	0	67.5	67.5	67.5	37.3	37.3
5-6 PM	2299	0.0	169	0.0	OFF	2299	0	169	0.00	0	67.9	67.9	67.9	37.6	37.6
6-7 PM	1886	0.0	139	0.0	OFF	1886	0	139	0.00	0	68.4	68.4	68.4	38.0	38.0
7-8 PM	1535	0.0	114	0.0	1499	1535	0	114	2.55	38	68.8	54.5	30.8	38.3	38.3
8-9 PM	1221	0.0	90	0.0	1500	1221	0	90	0.84	2	69.2	63.7	37.8	38.6	38.6
9-10 PM	938	0.0	69	0.0	1500	938	0	69	0.58	0	69.6	65.6	41.9	38.9	38.9
10-11 PM	669	0.0	50	0.0	1500	669	0	50	0.55	0	69.9	66.1	42.8	39.1	39.1
11PM-MID	452	0.0	33	0.0	1500	452	0	33	0.53	0	70.2	66.4	43.7	39.3	39.3

"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	0.0624
MAIN ROUTE WITH WORKS	0.0618
DIVERSION	0.0849

PIA: Personal Injury Accidents

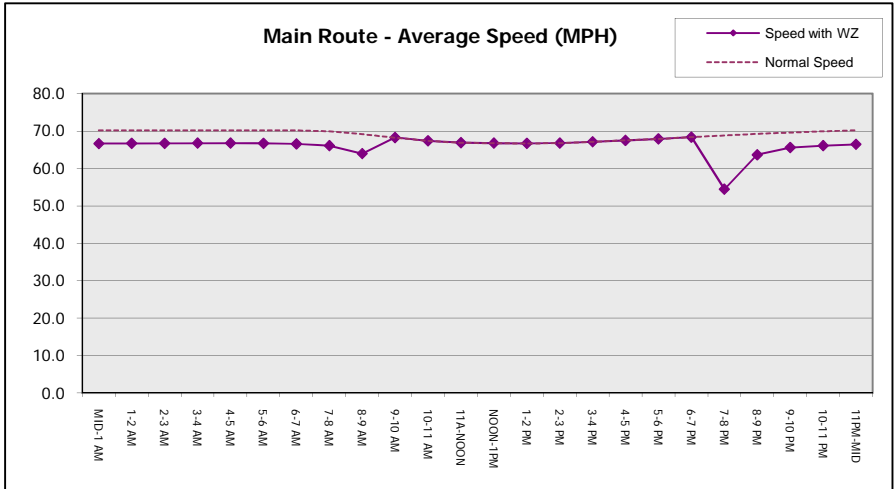
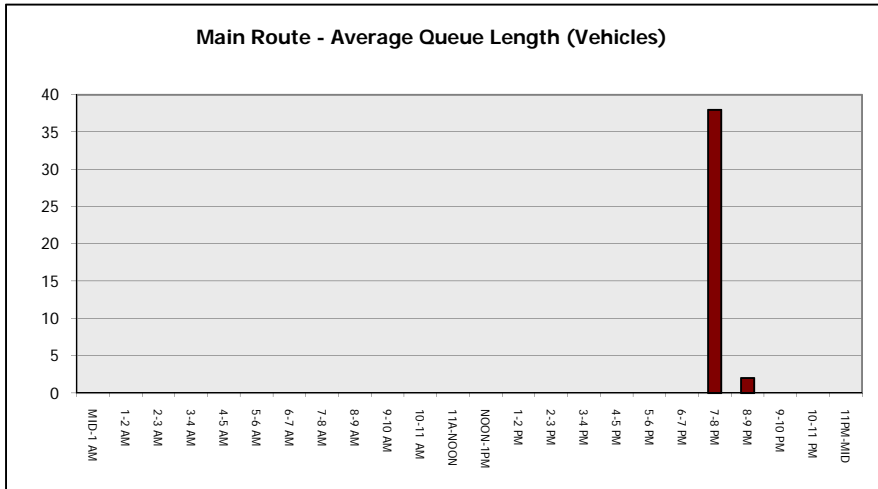
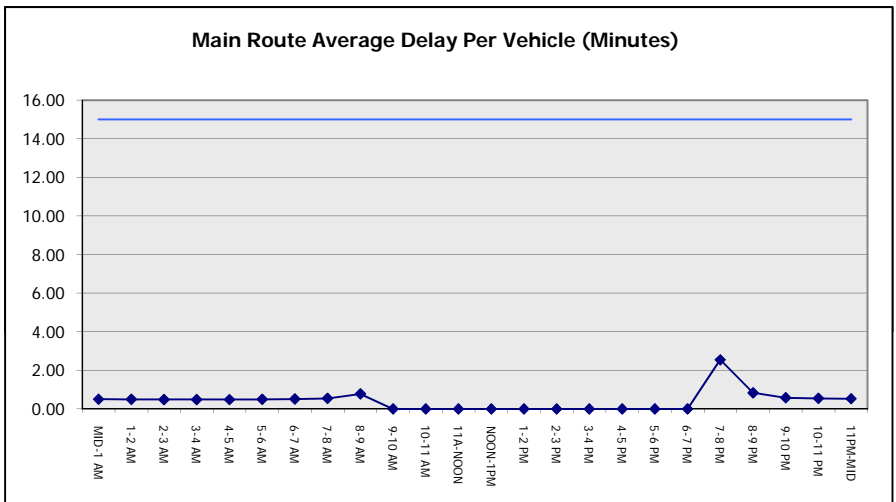
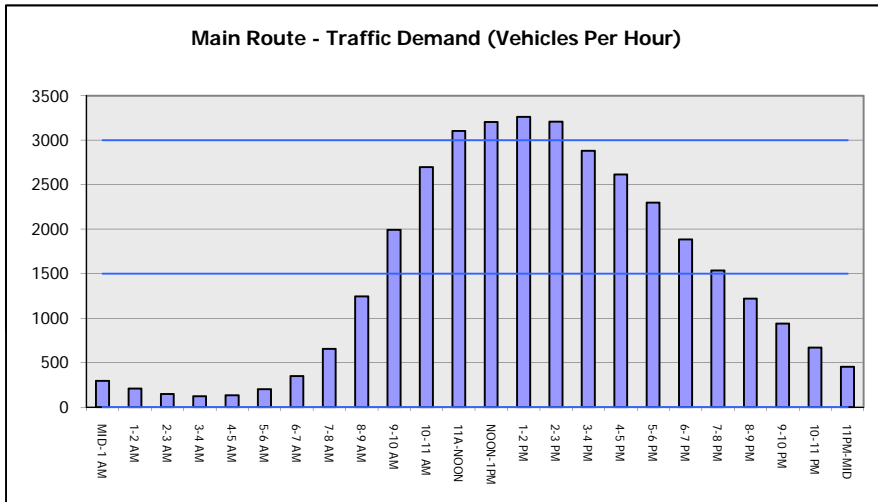
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,485
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)**  
**NIGHTTIME 2 LANE CLOSURE**  
**DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY WESTBOUND DIRECTION**



<b>IH 39/90/94: IH 39 &amp; IH 90/94 TO STH 60 (COLUMBIA COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	427	0.0	31	0.0	1500	427	0	31	0.52	0	70.2	66.5	43.8	39.4	39.4
1-2 AM	330	0.0	24	0.0	1500	330	0	24	0.51	0	70.2	66.6	44.2	39.4	39.4
2-3 AM	279	0.0	20	0.0	1500	279	0	20	0.51	0	70.2	66.6	44.3	39.5	39.5
3-4 AM	218	0.0	16	0.0	1500	218	0	16	0.50	0	70.2	66.7	44.6	39.6	39.6
4-5 AM	211	0.0	15	0.0	1500	211	0	15	0.50	0	70.2	66.7	44.6	39.6	39.6
5-6 AM	256	0.0	19	0.0	1500	256	0	19	0.50	0	70.2	66.6	44.5	39.5	39.5
6-7 AM	358	0.0	26	0.0	1500	358	0	26	0.52	0	70.2	66.6	44.0	39.4	39.4
7-8 AM	613	0.0	46	0.0	1500	613	0	46	0.55	0	70.0	66.2	43.1	39.2	39.2
8-9 AM	1139	0.0	84	0.0	1499	1139	0	84	0.72	0	69.3	64.5	38.3	38.7	38.7
9-10 AM	2101	0.0	155	0.0	OFF	2101	0	155	0.00	0	68.1	68.1	68.1	37.8	37.8
10-11 AM	3213	0.0	237	0.0	OFF	3213	0	237	0.00	0	66.8	66.8	66.8	36.8	36.8
11A-NOON	4131	0.0	305	0.0	OFF	4131	0	305	0.00	0	62.7	62.7	62.7	36.0	36.0
NOON-1PM	4601	0.0	340	0.0	OFF	4601	0	340	0.00	0	59.4	59.4	59.4	35.5	35.5
1-2 PM	4506	0.0	333	0.0	OFF	4506	0	333	0.00	0	60.1	60.1	60.1	35.6	35.6
2-3 PM	4444	0.0	328	0.0	OFF	4444	0	328	0.00	0	60.5	60.5	60.5	35.6	35.6
3-4 PM	4461	0.0	330	0.0	OFF	4461	0	330	0.00	0	60.4	60.4	60.4	35.6	35.6
4-5 PM	4605	0.0	340	0.0	OFF	4605	0	340	0.00	0	59.4	59.4	59.4	35.5	35.5
5-6 PM	4062	0.0	299	0.0	OFF	4062	0	299	0.00	0	63.1	63.1	63.1	36.0	36.0
6-7 PM	3884	0.0	287	0.0	OFF	3884	0	287	0.00	0	64.3	64.3	64.3	36.2	36.2
7-8 PM	3346	0.0	247	0.0	1499	3003	343	589	29.75	877	66.6	16.8	30.8	36.7	32.4
8-9 PM	2595	0.0	192	0.0	1499	1494	1102	1293+	60.29	1554	67.5	9.5	30.8	37.4	23.7
9-10 PM	1692	0.0	125	0.0	1499	961	731	856	47.36	1224	68.6	11.7	30.8	38.2	29.1
10-11 PM	1104	0.0	81	0.0	1499	1067	37	118	29.89	763	69.4	16.8	30.8	38.8	38.3
11PM-MID	665	0.0	49	0.0	1499	665	0	49	5.09	180	69.9	45.5	40.5	39.1	39.1

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

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.0940
MAIN ROUTE WITH WORKS	0.0894
DIVERSION	0.1999

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$114,184
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding 15 Minutes

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**NIGHTTIME 2 LANE CLOSURE**  
**DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY EASTBOUND DIRECTION**

