

<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**

**SATURDAY 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	671	0.0	50	0.0	1500	671	0	50	0.55	0	69.9	66.1	42.8	39.1	39.1
1-2 AM	385	0.0	28	0.0	1500	385	0	28	0.52	0	70.2	66.5	44.0	39.4	39.4
2-3 AM	325	0.0	24	0.0	1500	325	0	24	0.51	0	70.2	66.6	44.2	39.4	39.4
3-4 AM	261	0.0	19	0.0	1500	261	0	19	0.50	0	70.2	66.6	44.5	39.5	39.5
4-5 AM	313	0.0	23	0.0	1500	313	0	23	0.51	0	70.2	66.6	44.2	39.4	39.4
5-6 AM	487	0.0	36	0.0	1500	487	0	36	0.53	0	70.1	66.4	43.5	39.3	39.3
6-7 AM	905	0.0	67	0.0	1499	905	0	67	0.58	0	69.6	65.6	42.0	38.9	38.9
7-8 AM	1518	0.0	112	0.0	1499	1518	0	112	1.87	26	68.9	57.7	32.8	38.4	38.4
8-9 AM	2448	0.0	181	0.0	OFF	2448	0	181	0.03	1	67.7	67.4	67.4	37.5	37.5
9-10 AM	3290	0.0	242	0.0	OFF	3290	0	242	0.00	0	66.6	66.6	66.6	36.8	36.8
10-11 AM	3753	0.0	277	0.0	OFF	3753	0	277	0.00	0	65.2	65.2	65.2	36.3	36.3
11A-NOON	3646	0.0	269	0.0	OFF	3646	0	269	0.00	0	66.0	66.0	66.0	36.4	36.4
NOON-1PM	3061	0.0	226	0.0	OFF	3061	0	226	0.00	0	66.9	66.9	66.9	36.9	36.9
1-2 PM	2824	0.0	208	0.0	OFF	2824	0	208	0.00	0	67.3	67.3	67.3	37.1	37.1
2-3 PM	2524	0.0	187	0.0	OFF	2524	0	187	0.00	0	67.6	67.6	67.6	37.4	37.4
3-4 PM	2271	0.0	167	0.0	OFF	2271	0	167	0.00	0	67.9	67.9	67.9	37.7	37.7
4-5 PM	1945	0.0	143	0.0	OFF	1945	0	143	0.00	0	68.3	68.3	68.3	37.9	37.9
5-6 PM	1635	0.0	121	0.0	OFF	1635	0	121	0.00	0	68.7	68.7	68.7	38.3	38.3
6-7 PM	1390	0.0	102	0.0	1500	1390	0	102	0.95	0	69.0	62.8	33.2	38.5	38.5
7-8 PM	1115	0.0	82	0.0	1500	1115	0	82	0.60	0	69.4	65.3	41.3	38.8	38.8
8-9 PM	944	0.0	70	0.0	1500	944	0	70	0.58	0	69.6	65.6	41.9	38.9	38.9
9-10 PM	742	0.0	55	0.0	1500	742	0	55	0.56	0	69.8	66.0	42.6	39.1	39.1
10-11 PM	574	0.0	43	0.0	1500	574	0	43	0.54	0	70.0	66.3	43.2	39.2	39.2
11PM-MID	397	0.0	29	0.0	1500	397	0	29	0.52	0	70.2	66.5	43.9	39.4	39.4

"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	0.0661
MAIN ROUTE WITH WORKS	0.0654
DIVERSION	0.0899

PIA: Personal Injury Accidents

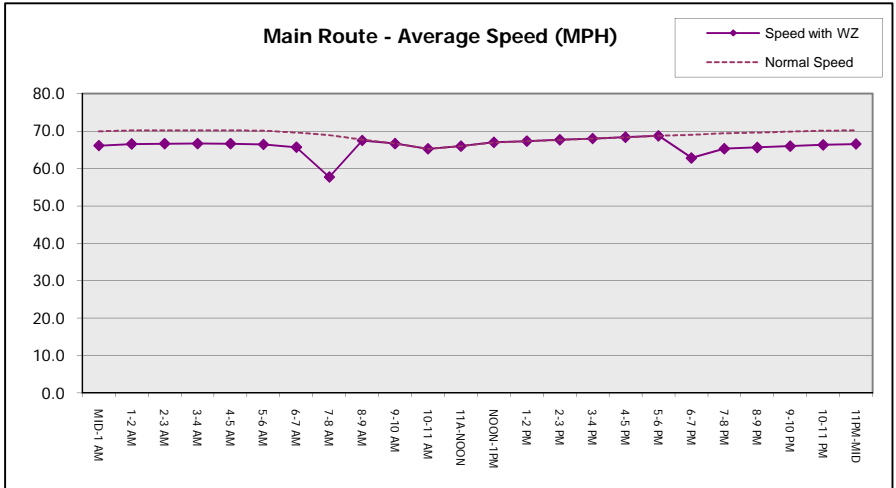
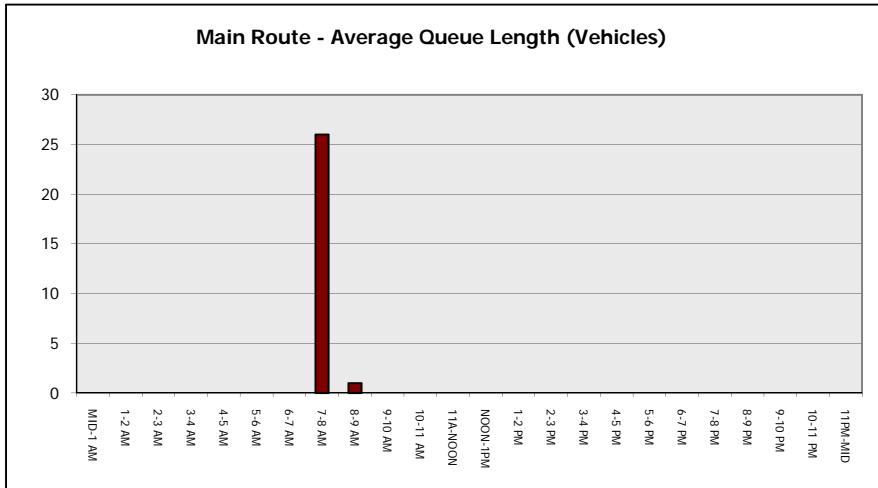
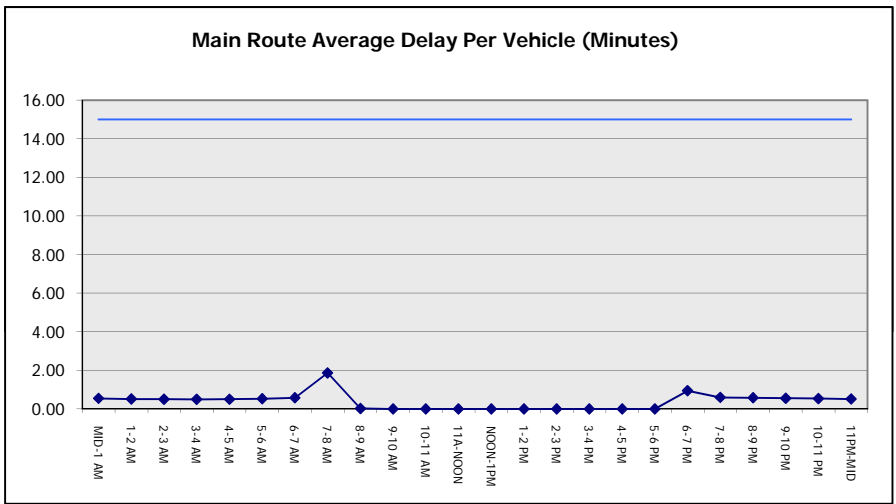
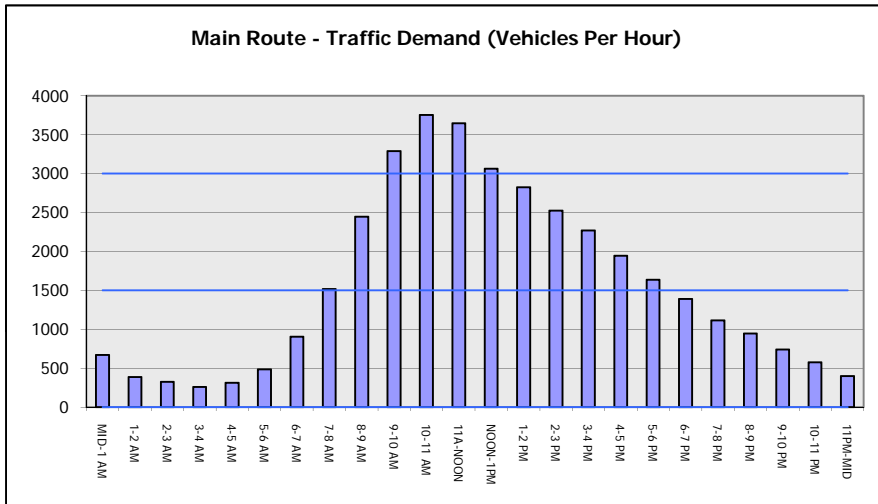
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,160
CONGESTED HOURS PER DAY*	0

\*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**  
**SATURDAY WESTBOUND DIRECTION**



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

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
SATURDAY	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	474	0.0	34	0.0	1500	474	0	34	0.53	0	70.2	66.4	43.6	39.3	39.3
1-2 AM	357	0.0	26	0.0	1500	357	0	26	0.52	0	70.2	66.6	44.0	39.4	39.4
2-3 AM	342	0.0	25	0.0	1500	342	0	25	0.51	0	70.2	66.6	44.1	39.4	39.4
3-4 AM	324	0.0	24	0.0	1500	324	0	24	0.51	0	70.2	66.6	44.2	39.4	39.4
4-5 AM	316	0.0	23	0.0	1500	316	0	23	0.51	0	70.2	66.6	44.2	39.4	39.4
5-6 AM	385	0.0	28	0.0	1500	385	0	28	0.52	0	70.2	66.5	44.0	39.4	39.4
6-7 AM	548	0.0	41	0.0	1500	548	0	41	0.54	0	70.0	66.3	43.3	39.2	39.2
7-8 AM	837	0.0	62	0.0	1500	837	0	62	0.57	0	69.7	65.8	42.2	39.0	39.0
8-9 AM	1206	0.0	89	0.0	OFF	1206	0	89	0.00	0	69.2	69.2	69.2	38.6	38.6
9-10 AM	1765	0.0	130	0.0	OFF	1765	0	130	0.00	0	68.6	68.6	68.6	38.1	38.1
10-11 AM	2510	0.0	186	0.0	OFF	2510	0	186	0.00	0	67.6	67.6	67.6	37.4	37.4
11A-NOON	2952	0.0	218	0.0	OFF	2952	0	218	0.00	0	67.1	67.1	67.1	37.0	37.0
NOON-1PM	3061	0.0	226	0.0	OFF	3061	0	226	0.00	0	66.9	66.9	66.9	36.9	36.9
1-2 PM	3090	0.0	228	0.0	OFF	3090	0	228	0.00	0	66.9	66.9	66.9	36.9	36.9
2-3 PM	3012	0.0	222	0.0	OFF	3012	0	222	0.00	0	67.0	67.0	67.0	37.0	37.0
3-4 PM	2722	0.0	201	0.0	OFF	2722	0	201	0.00	0	67.4	67.4	67.4	37.3	37.3
4-5 PM	2681	0.0	198	0.0	OFF	2681	0	198	0.00	0	67.4	67.4	67.4	37.3	37.3
5-6 PM	2303	0.0	170	0.0	OFF	2303	0	170	0.00	0	67.9	67.9	67.9	37.6	37.6
6-7 PM	2003	0.0	148	0.0	1499	2003	0	148	10.16	268	68.2	33.4	30.8	37.9	37.9
7-8 PM	1762	0.0	130	0.0	1499	1762	0	130	25.70	650	68.6	18.8	30.8	38.1	38.1
8-9 PM	1488	0.0	110	0.0	1500	1488	0	110	30.70	775	68.9	16.5	30.8	38.4	38.4
9-10 PM	1260	0.0	93	0.0	1500	1260	0	93	25.71	648	69.2	18.8	30.8	38.6	38.6
10-11 PM	1008	0.0	74	0.0	1499	1008	0	74	10.30	285	69.5	33.5	35.3	38.8	38.8
11PM-MID	669	0.0	50	0.0	1500	669	0	50	0.56	0	69.9	66.0	42.8	39.1	39.1

"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	0.0655
MAIN ROUTE WITH WORKS	0.0647
DIVERSION	0.0891

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$41,250
CONGESTED HOURS PER DAY*	3

\*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**  
**SATURDAY EASTBOUND DIRECTION**

