

<b>IH 39/90/94: IH 39 &amp; IH 90/94 TO STH 60 (COLUMBIA COUNTY)</b> <b>OFF-PEAK DAY 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	OFF	671	0	50	0.00	0	69.9	69.9	69.9	39.1	39.1
1-2 AM	385	0.0	28	0.0	OFF	385	0	28	0.00	0	70.2	70.2	70.2	39.4	39.4
2-3 AM	325	0.0	24	0.0	OFF	325	0	24	0.00	0	70.2	70.2	70.2	39.4	39.4
3-4 AM	261	0.0	19	0.0	OFF	261	0	19	0.00	0	70.2	70.2	70.2	39.5	39.5
4-5 AM	313	0.0	23	0.0	OFF	313	0	23	0.00	0	70.2	70.2	70.2	39.4	39.4
5-6 AM	487	0.0	36	0.0	OFF	487	0	36	0.00	0	70.1	70.1	70.1	39.3	39.3
6-7 AM	905	0.0	67	0.0	OFF	905	0	67	0.00	0	69.6	69.6	69.6	38.9	38.9
7-8 AM	1518	0.0	112	0.0	OFF	1518	0	112	0.00	0	68.9	68.9	68.9	38.4	38.4
8-9 AM	2448	0.0	181	0.0	1499	2448	0	181	13.73	418	67.7	28.3	30.8	37.5	37.5
9-10 AM	3290	0.0	242	0.0	1500	2414	876	1119	54.28	1430	66.6	10.4	30.8	36.8	25.8
10-11 AM	3753	0.0	277	0.0	1500	1501	2252	2529+	78.96	2052	65.2	7.5	30.8	36.3	18.6
11A-NOON	3646	0.0	269	0.0	1500	1501	2145	2414+	79.07	2052	66.0	7.5	30.8	36.4	18.6
NOON-1PM	3061	0.0	226	0.0	1500	1644	1418	1644+	76.01	1969	66.9	7.8	30.8	36.9	19.3
1-2 PM	2824	0.0	208	0.0	1500	1390	1434	1642+	75.92	1965	67.3	7.8	30.8	37.1	19.4
2-3 PM	2524	0.0	187	0.0	1500	1225	1299	1486+	68.19	1763	67.6	8.5	30.8	37.4	21.3
3-4 PM	2271	0.0	167	0.0	1500	1224	1046	1214+	57.54	1484	67.9	9.9	30.8	37.7	24.7
4-5 PM	1945	0.0	143	0.0	1500	1238	706	849	47.16	1211	68.3	11.7	30.8	37.9	29.2
5-6 PM	1635	0.0	121	0.0	1500	1318	317	437	38.72	987	68.7	13.7	30.8	38.3	34.3
6-7 PM	1390	0.0	102	0.0	OFF	1390	0	102	1.04	88	69.0	62.3	62.3	38.5	38.5
7-8 PM	1115	0.0	82	0.0	OFF	1115	0	82	0.00	0	69.4	69.4	69.4	38.8	38.8
8-9 PM	944	0.0	70	0.0	OFF	944	0	70	0.00	0	69.6	69.6	69.6	38.9	38.9
9-10 PM	742	0.0	55	0.0	OFF	742	0	55	0.00	0	69.8	69.8	69.8	39.1	39.1
10-11 PM	574	0.0	43	0.0	OFF	574	0	43	0.00	0	70.0	70.0	70.0	39.2	39.2
11PM-MID	397	0.0	29	0.0	OFF	397	0	29	0.00	0	70.2	70.2	70.2	39.4	39.4

"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	0.0661
MAIN ROUTE WITH WORKS	0.0447
DIVERSION	0.4639

PIA: Personal Injury Accidents

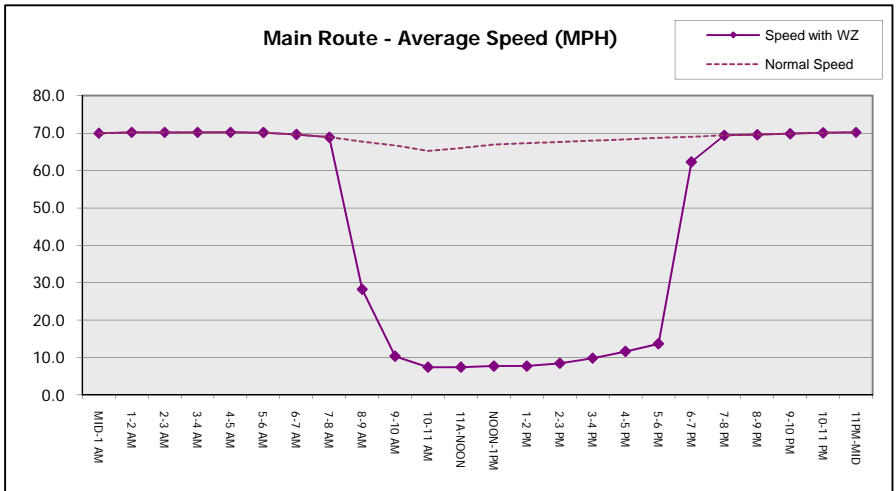
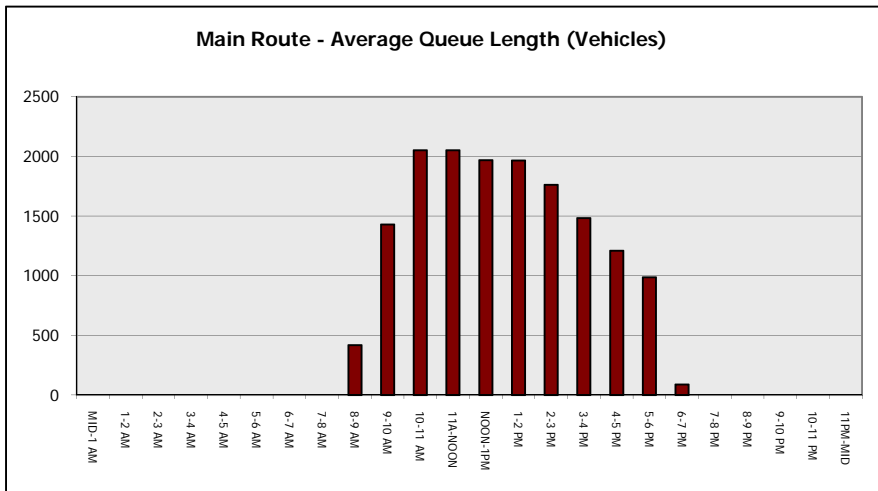
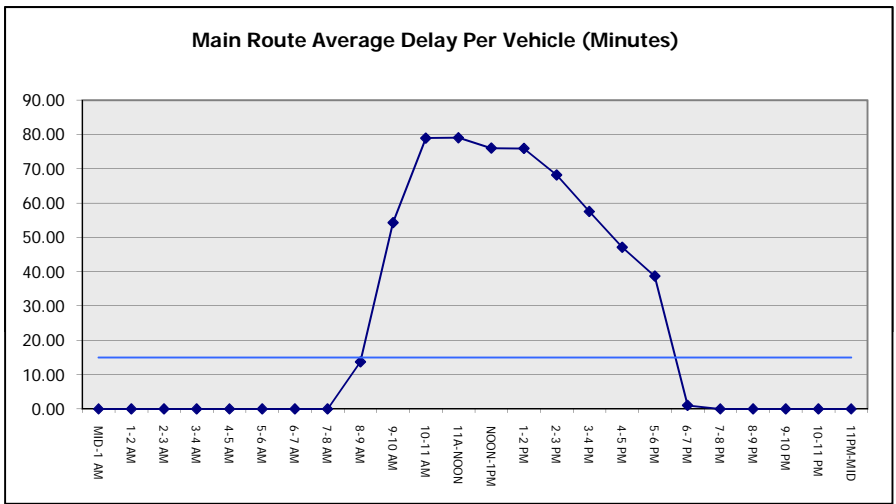
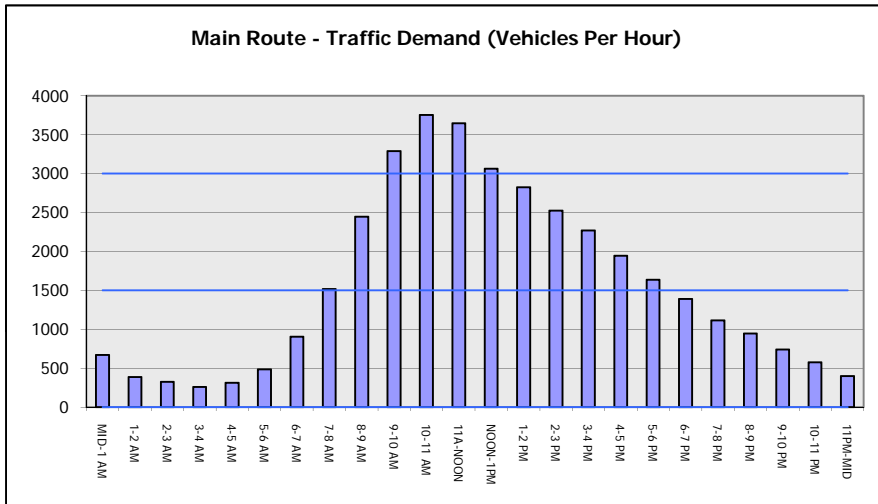
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$536,143
CONGESTED HOURS PER DAY*	9

\*Delays Exceeding 15 Minutes

**IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)**  
**OFF-PEAK DAY 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)</b> <b>OFF-PEAK DAY 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39</b>	<b>AUGUST</b> Analyzed for 2009 Construction Season
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<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		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	474	0.0	34	0.0	OFF	474	0	34	0.00	0	70.2	70.2	70.2	39.3	39.3
1-2 AM	357	0.0	26	0.0	OFF	357	0	26	0.00	0	70.2	70.2	70.2	39.4	39.4
2-3 AM	342	0.0	25	0.0	OFF	342	0	25	0.00	0	70.2	70.2	70.2	39.4	39.4
3-4 AM	324	0.0	24	0.0	OFF	324	0	24	0.00	0	70.2	70.2	70.2	39.4	39.4
4-5 AM	316	0.0	23	0.0	OFF	316	0	23	0.00	0	70.2	70.2	70.2	39.4	39.4
5-6 AM	385	0.0	28	0.0	OFF	385	0	28	0.00	0	70.2	70.2	70.2	39.4	39.4
6-7 AM	548	0.0	41	0.0	OFF	548	0	41	0.00	0	70.0	70.0	70.0	39.2	39.2
7-8 AM	837	0.0	62	0.0	OFF	837	0	62	0.00	0	69.7	69.7	69.7	39.0	39.0
8-9 AM	1206	0.0	89	0.0	1499	1206	0	89	0.73	0	69.2	64.3	38.1	38.6	38.6
9-10 AM	1765	0.0	130	0.0	1499	1765	0	130	4.11	92	68.6	48.2	30.8	38.1	38.1
10-11 AM	2510	0.0	186	0.0	1500	2428	82	268	25.75	716	67.6	18.7	30.8	37.4	36.4
11A-NOON	2952	0.0	218	0.0	1500	1994	959	1177	56.19	1457	67.1	10.1	30.8	37.0	25.2
NOON-1PM	3061	0.0	226	0.0	1500	1754	1308	1534+	70.33	1821	66.9	8.3	30.8	36.9	20.7
1-2 PM	3090	0.0	228	0.0	1500	1638	1452	1680+	77.87	2018	66.9	7.6	30.8	36.9	18.9
2-3 PM	3012	0.0	222	0.0	1500	1448	1564	1786+	78.73	2039	67.0	7.5	30.8	37.0	18.8
3-4 PM	2722	0.0	201	0.0	1500	1305	1417	1617+	74.63	1932	67.4	7.9	30.8	37.3	19.7
4-5 PM	2681	0.0	198	0.0	1500	1378	1303	1500+	68.81	1778	67.4	8.4	30.8	37.3	21.1
5-6 PM	2303	0.0	170	0.0	1500	1184	1119	1289+	60.18	1554	67.9	9.5	30.8	37.6	23.7
6-7 PM	2003	0.0	148	0.0	OFF	2003	0	148	2.69	243	68.2	53.5	53.5	37.9	37.9
7-8 PM	1762	0.0	130	0.0	OFF	1762	0	130	0.00	0	68.6	68.6	68.6	38.1	38.1
8-9 PM	1488	0.0	110	0.0	OFF	1488	0	110	0.00	0	68.9	68.9	68.9	38.4	38.4
9-10 PM	1260	0.0	93	0.0	OFF	1260	0	93	0.00	0	69.2	69.2	69.2	38.6	38.6
10-11 PM	1008	0.0	74	0.0	OFF	1008	0	74	0.00	0	69.5	69.5	69.5	38.8	38.8
11PM-MID	669	0.0	50	0.0	OFF	669	0	50	0.00	0	69.9	69.9	69.9	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	0.0655
MAIN ROUTE WITH WORKS	0.0482
DIVERSION	0.3886

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$460,634
CONGESTED HOURS PER DAY*	8

\*Delays Exceeding 15 Minutes

**IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)**  
**OFF-PEAK DAY 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**

