

<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**

**FRIDAY 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	537	0.0	40	0.0	OFF	537	0	40	0.00	0	70.0	70.0	70.0	39.2	39.2
1-2 AM	422	0.0	31	0.0	OFF	422	0	31	0.00	0	70.2	70.2	70.2	39.4	39.4
2-3 AM	353	0.0	26	0.0	OFF	353	0	26	0.00	0	70.2	70.2	70.2	39.4	39.4
3-4 AM	326	0.0	24	0.0	OFF	326	0	24	0.00	0	70.2	70.2	70.2	39.4	39.4
4-5 AM	375	0.0	27	0.0	OFF	375	0	27	0.00	0	70.2	70.2	70.2	39.4	39.4
5-6 AM	565	0.0	42	0.0	OFF	565	0	42	0.00	0	70.0	70.0	70.0	39.2	39.2
6-7 AM	985	0.0	73	0.0	OFF	985	0	73	0.00	0	69.5	69.5	69.5	38.8	38.8
7-8 AM	1498	0.0	111	0.0	OFF	1498	0	111	0.00	0	68.9	68.9	68.9	38.4	38.4
8-9 AM	1987	0.0	147	0.0	OFF	1987	0	147	0.00	0	68.2	68.2	68.2	37.9	37.9
9-10 AM	2553	0.0	189	0.0	1499	2531	22	211	16.36	494	67.6	25.4	30.8	37.4	37.1
10-11 AM	2958	0.0	218	0.0	1500	2116	841	1060	52.56	1367	67.1	10.6	30.8	37.0	26.6
11A-NOON	3166	0.0	233	0.0	1500	1859	1307	1540+	70.63	1831	66.8	8.3	30.8	36.8	20.6
NOON-1PM	3318	0.0	245	0.0	1500	1501	1817	2062+	79.17	2052	66.6	7.5	30.8	36.7	18.6
1-2 PM	3333	0.0	246	0.0	1500	1501	1832	2078+	79.16	2052	66.6	7.5	30.8	36.7	18.6
2-3 PM	3732	0.0	276	0.0	1500	1500	2231	2507+	78.98	2052	65.4	7.5	30.8	36.3	18.6
3-4 PM	4130	0.0	304	0.0	1500	1500	2630	2934+	78.54	2052	62.7	7.5	30.8	36.0	18.6
4-5 PM	4046	0.0	298	0.0	OFF	4046	0	298	13.13	1031	63.2	28.1	28.1	36.0	36.0
5-6 PM	3978	0.0	293	0.0	OFF	3978	0	293	0.07	0	63.7	63.3	63.3	36.1	36.1
6-7 PM	4083	0.0	301	0.0	OFF	4083	0	301	0.00	0	63.0	63.0	63.0	36.0	36.0
7-8 PM	3238	0.0	238	0.0	OFF	3238	0	238	0.00	0	66.7	66.7	66.7	36.8	36.8
8-9 PM	2514	0.0	186	0.0	OFF	2514	0	186	0.00	0	67.6	67.6	67.6	37.4	37.4
9-10 PM	2018	0.0	149	0.0	OFF	2018	0	149	0.00	0	68.2	68.2	68.2	37.9	37.9
10-11 PM	1450	0.0	108	0.0	OFF	1450	0	108	0.00	0	68.9	68.9	68.9	38.4	38.4
11PM-MID	1014	0.0	75	0.0	OFF	1014	0	75	0.00	0	69.5	69.5	69.5	38.8	38.8

"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	0.0929
MAIN ROUTE WITH WORKS	0.0732
DIVERSION	0.4739

PIA: Personal Injury Accidents

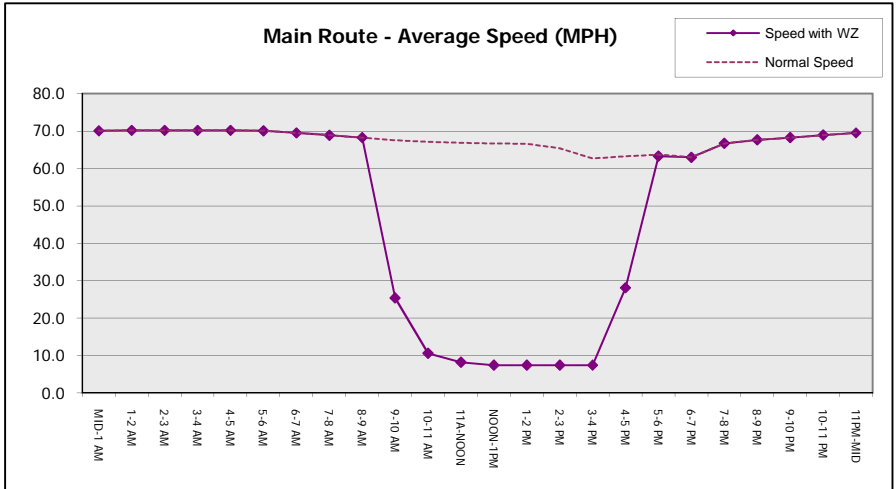
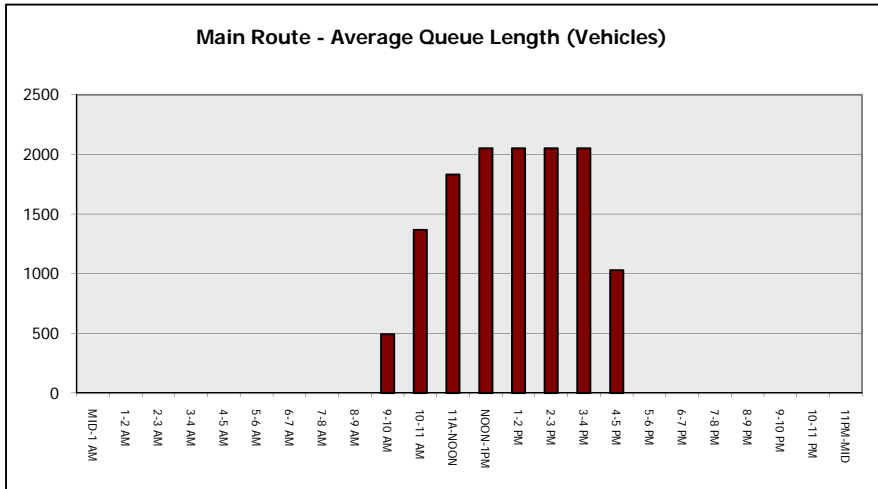
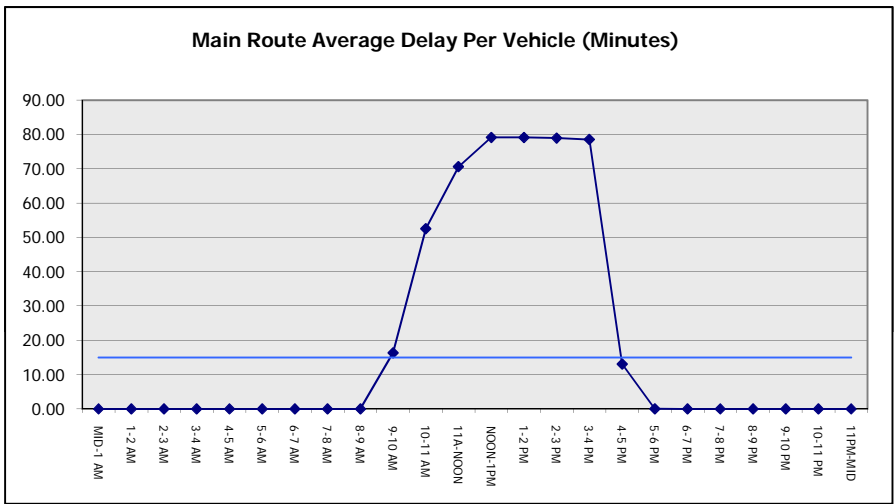
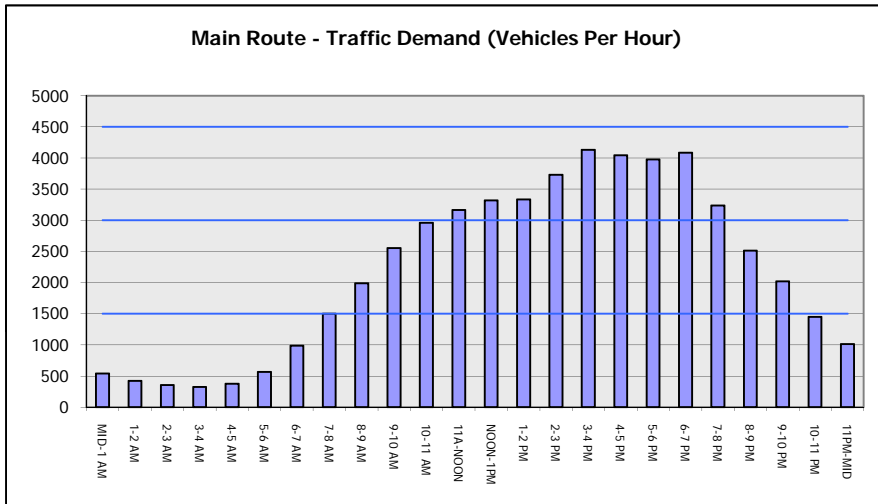
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$394,236
CONGESTED HOURS PER DAY*	7

\*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**  
**FRIDAY 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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY EASTBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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	393	0.0	29	0.0	OFF	393	0	29	0.00	0	70.2	70.2	70.2	39.4	39.4
1-2 AM	347	0.0	25	0.0	OFF	347	0	25	0.00	0	70.2	70.2	70.2	39.4	39.4
2-3 AM	305	0.0	22	0.0	OFF	305	0	22	0.00	0	70.2	70.2	70.2	39.5	39.5
3-4 AM	331	0.0	24	0.0	OFF	331	0	24	0.00	0	70.2	70.2	70.2	39.4	39.4
4-5 AM	417	0.0	30	0.0	OFF	417	0	30	0.00	0	70.2	70.2	70.2	39.4	39.4
5-6 AM	726	0.0	54	0.0	OFF	726	0	54	0.00	0	69.8	69.8	69.8	39.1	39.1
6-7 AM	1093	0.0	81	0.0	OFF	1093	0	81	0.00	0	69.4	69.4	69.4	38.8	38.8
7-8 AM	1237	0.0	91	0.0	OFF	1237	0	91	0.00	0	69.2	69.2	69.2	38.6	38.6
8-9 AM	1292	0.0	95	0.0	OFF	1292	0	95	0.00	0	69.1	69.1	69.1	38.6	38.6
9-10 AM	1573	0.0	116	0.0	1499	1573	0	116	1.80	20	68.8	58.0	30.9	38.3	38.3
10-11 AM	2007	0.0	148	0.0	1500	2007	0	148	11.85	314	68.2	30.8	30.8	37.9	37.9
11A-NOON	2228	0.0	164	0.0	1500	2039	189	353	34.52	895	67.9	15.0	30.8	37.7	35.3
NOON-1PM	2249	0.0	166	0.0	1499	1608	641	807	46.11	1182	67.9	11.9	30.8	37.7	29.7
1-2 PM	2548	0.0	188	0.0	1499	1704	844	1032	51.84	1334	67.6	10.8	30.8	37.4	27.0
2-3 PM	2853	0.0	211	0.0	1499	1752	1100	1311+	60.91	1574	67.2	9.4	30.8	37.1	23.5
3-4 PM	2783	0.0	205	0.0	1499	1539	1244	1449+	66.49	1717	67.3	8.7	30.8	37.2	21.7
4-5 PM	2725	0.0	201	0.0	OFF	2725	0	201	5.71	457	67.4	42.7	42.7	37.3	37.3
5-6 PM	2480	0.0	183	0.0	OFF	2480	0	183	0.00	0	67.6	67.6	67.6	37.4	37.4
6-7 PM	2125	0.0	157	0.0	OFF	2125	0	157	0.00	0	68.1	68.1	68.1	37.8	37.8
7-8 PM	1836	0.0	136	0.0	OFF	1836	0	136	0.00	0	68.4	68.4	68.4	38.1	38.1
8-9 PM	1618	0.0	120	0.0	OFF	1618	0	120	0.00	0	68.7	68.7	68.7	38.3	38.3
9-10 PM	1338	0.0	98	0.0	OFF	1338	0	98	0.00	0	69.1	69.1	69.1	38.5	38.5
10-11 PM	1017	0.0	75	0.0	OFF	1017	0	75	0.00	0	69.5	69.5	69.5	38.8	38.8
11PM-MID	690	0.0	51	0.0	OFF	690	0	51	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	0.0640
MAIN ROUTE WITH WORKS	0.0560
DIVERSION	0.2177

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$173,691
CONGESTED HOURS PER DAY*	5

\*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**  
**FRIDAY EASTBOUND DIRECTION**

