

**IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)  
CONTINUOUS (24 HOUR) CLOSURE  
DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39**

**AUGUST**

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	3000	294	0	21	0.36	0	70.2	67.6	49.7	39.5	39.5
1-2 AM	210	0.0	15	0.0	3000	210	0	15	0.36	0	70.2	67.6	49.7	39.6	39.6
2-3 AM	147	0.0	11	0.0	3000	147	0	11	0.36	0	70.2	67.6	49.7	39.6	39.6
3-4 AM	124	0.0	9	0.0	3000	124	0	9	0.36	0	70.2	67.6	49.7	39.6	39.6
4-5 AM	132	0.0	10	0.0	3000	132	0	10	0.36	0	70.2	67.6	49.7	39.6	39.6
5-6 AM	201	0.0	15	0.0	3000	201	0	15	0.36	0	70.2	67.6	49.7	39.6	39.6
6-7 AM	349	0.0	25	0.0	3000	349	0	25	0.36	0	70.2	67.6	49.7	39.4	39.4
7-8 AM	654	0.0	49	0.0	3000	654	0	49	0.36	0	69.9	67.4	49.7	39.1	39.1
8-9 AM	1245	0.0	92	0.0	3000	1245	0	92	0.35	0	69.2	66.8	49.7	38.6	38.6
9-10 AM	1993	0.0	147	0.0	3000	1993	0	147	0.33	0	68.2	66.0	49.7	37.9	37.9
10-11 AM	2699	0.0	199	0.0	2999	2699	0	199	0.53	0	67.4	64.0	42.7	37.3	37.3
11A-NOON	3104	0.0	229	0.0	2999	3104	0	229	1.35	36	66.9	58.9	37.3	36.9	36.9
NOON-1PM	3204	0.0	236	0.0	3000	3204	0	236	4.28	200	66.8	46.7	37.3	36.8	36.8
1-2 PM	3263	0.0	240	0.0	3000	3263	0	240	8.57	438	66.7	35.9	37.3	36.8	36.8
2-3 PM	3208	0.0	236	0.0	3000	3208	0	236	13.11	686	66.8	28.8	37.3	36.8	36.8
3-4 PM	2882	0.0	213	0.0	2999	2882	0	213	14.12	737	67.1	27.7	37.3	37.1	37.1
4-5 PM	2615	0.0	193	0.0	2999	2615	0	193	9.39	486	67.5	34.6	37.4	37.3	37.3
5-6 PM	2299	0.0	169	0.0	3000	2299	0	169	1.36	62	67.9	59.6	47.1	37.6	37.6
6-7 PM	1886	0.0	139	0.0	3000	1886	0	139	0.34	0	68.4	66.1	49.7	38.0	38.0
7-8 PM	1535	0.0	114	0.0	3000	1535	0	114	0.34	0	68.8	66.4	49.7	38.3	38.3
8-9 PM	1221	0.0	90	0.0	3000	1221	0	90	0.35	0	69.2	66.8	49.7	38.6	38.6
9-10 PM	938	0.0	69	0.0	3000	938	0	69	0.35	0	69.6	67.1	49.7	38.9	38.9
10-11 PM	669	0.0	50	0.0	3000	669	0	50	0.36	0	69.9	67.4	49.7	39.1	39.1
11PM-MID	452	0.0	33	0.0	3000	452	0	33	0.36	0	70.2	67.6	49.7	39.3	39.3

*----- 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	0.0624
MAIN ROUTE WITH WORKS	0.0600
DIVERSION	0.0849

PIA: Personal Injury Accidents

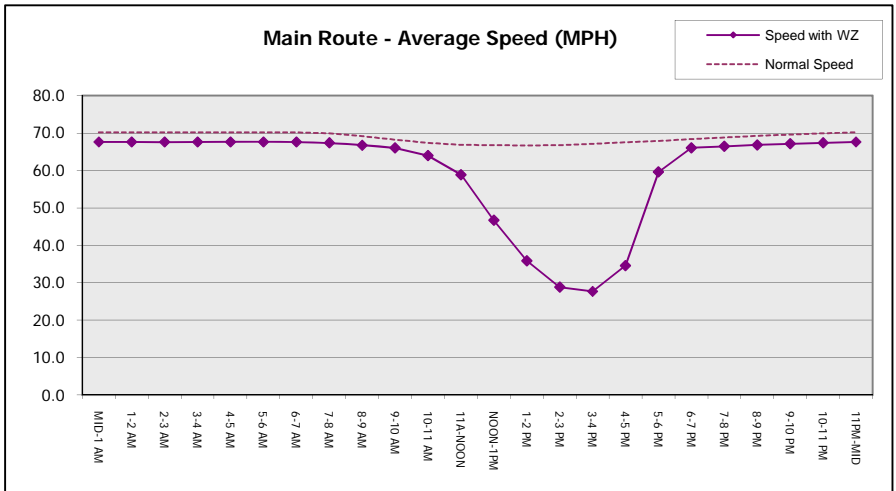
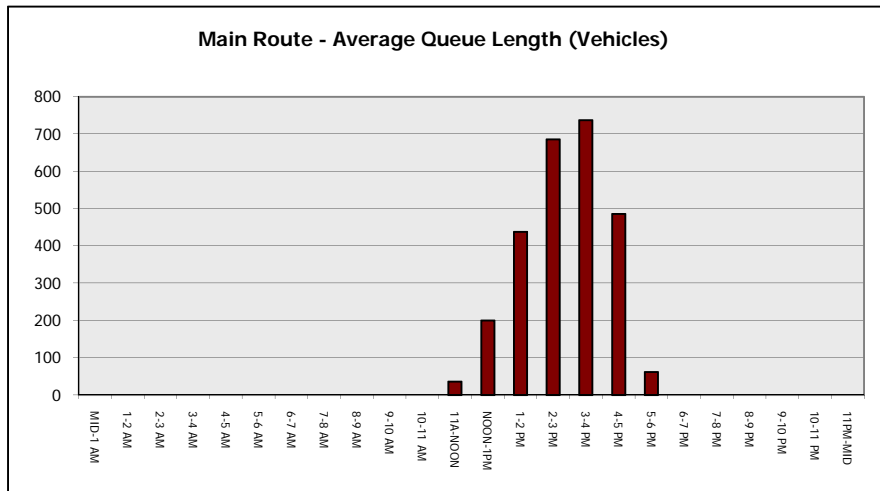
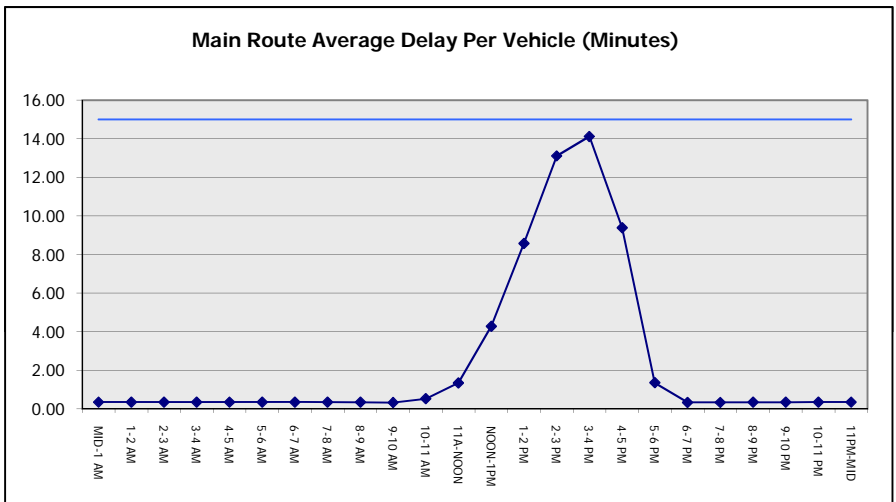
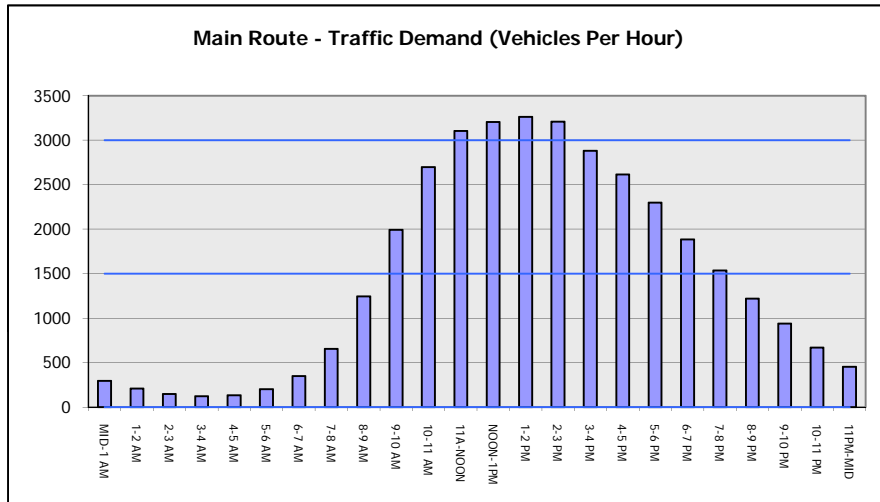
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$49,359
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)**  
**CONTINUOUS (24 HOUR) 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>CONTINUOUS (24 HOUR) 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			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	427	0.0	31	0.0	3000	427	0	31	0.36	0	70.2	67.6	49.7	39.4	39.4
1-2 AM	330	0.0	24	0.0	3000	330	0	24	0.36	0	70.2	67.6	49.7	39.4	39.4
2-3 AM	279	0.0	20	0.0	3000	279	0	20	0.36	0	70.2	67.6	49.7	39.5	39.5
3-4 AM	218	0.0	16	0.0	3000	218	0	16	0.36	0	70.2	67.6	49.7	39.6	39.6
4-5 AM	211	0.0	15	0.0	3000	211	0	15	0.36	0	70.2	67.6	49.7	39.6	39.6
5-6 AM	256	0.0	19	0.0	3000	256	0	19	0.36	0	70.2	67.6	49.7	39.5	39.5
6-7 AM	358	0.0	26	0.0	3000	358	0	26	0.36	0	70.2	67.6	49.7	39.4	39.4
7-8 AM	613	0.0	46	0.0	3000	613	0	46	0.36	0	70.0	67.4	49.7	39.2	39.2
8-9 AM	1139	0.0	84	0.0	3000	1139	0	84	0.35	0	69.3	66.9	49.7	38.7	38.7
9-10 AM	2101	0.0	155	0.0	2999	2101	0	155	0.33	0	68.1	65.9	49.7	37.8	37.8
10-11 AM	3213	0.0	237	0.0	2999	3213	0	237	1.65	58	66.8	57.3	37.6	36.8	36.8
11A-NOON	4131	0.0	305	0.0	3000	4131	0	305	12.67	755	62.7	28.6	37.3	36.0	36.0
NOON-1PM	4601	0.0	340	0.0	3000	4384	218	557	36.76	2097	59.4	13.9	37.3	35.5	32.9
1-2 PM	4506	0.0	333	0.0	2999	3660	845	1178	55.72	3105	60.1	11.0	37.3	35.6	25.6
2-3 PM	4444	0.0	328	0.0	2999	3364	1080	1408+	64.76	3601	60.5	10.4	37.3	35.6	23.1
3-4 PM	4461	0.0	330	0.0	2999	3273	1189	1518+	70.28	3909	60.4	10.1	37.3	35.6	21.9
4-5 PM	4605	0.0	340	0.0	2999	3328	1276	1616+	75.76	4229	59.4	9.8	37.3	35.5	20.7
5-6 PM	4062	0.0	299	0.0	2999	2739	1323	1623+	77.26	4262	63.1	9.7	37.3	36.0	20.7
6-7 PM	3884	0.0	287	0.0	2999	2643	1241	1528+	71.88	3951	64.3	10.0	37.3	36.2	21.7
7-8 PM	3346	0.0	247	0.0	2999	2268	1077	1324+	62.52	3413	66.6	10.6	37.3	36.7	24.0
8-9 PM	2595	0.0	192	0.0	2999	1980	615	807	46.30	2522	67.5	12.2	37.3	37.4	29.8
9-10 PM	1692	0.0	125	0.0	2999	1692	0	125	25.19	1397	68.6	19.1	37.9	38.2	38.2
10-11 PM	1104	0.0	81	0.0	3000	1104	0	81	2.02	137	69.4	57.3	49.7	38.8	38.8
11PM-MID	665	0.0	49	0.0	3000	665	0	49	0.36	0	69.9	67.4	49.7	39.1	39.1

+ 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	0.0754
DIVERSION	0.4164

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$730,926
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding 15 Minutes

**IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)**  
**CONTINUOUS (24 HOUR) 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**

