

**IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)  
CONTINUOUS (24 HOUR) 2 LANE CLOSURE  
DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39**

**OCTOBER**

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	247	0.0	18	0.0	1500	247	0	18	0.50	0	70.2	66.6	44.5	39.5	39.5
1-2 AM	188	0.0	14	0.0	1500	188	0	14	0.50	0	70.2	66.7	44.7	39.6	39.6
2-3 AM	134	0.0	10	0.0	1500	134	0	10	0.49	0	70.2	66.8	45.0	39.6	39.6
3-4 AM	129	0.0	9	0.0	1500	129	0	9	0.49	0	70.2	66.8	45.0	39.6	39.6
4-5 AM	131	0.0	10	0.0	1500	131	0	10	0.49	0	70.2	66.8	45.0	39.6	39.6
5-6 AM	205	0.0	15	0.0	1500	205	0	15	0.50	0	70.2	66.7	44.6	39.6	39.6
6-7 AM	306	0.0	22	0.0	1500	306	0	22	0.51	0	70.2	66.6	44.3	39.5	39.5
7-8 AM	556	0.0	41	0.0	1500	556	0	41	0.54	0	70.0	66.3	43.3	39.2	39.2
8-9 AM	913	0.0	67	0.0	1500	913	0	67	0.58	0	69.6	65.6	42.0	38.9	38.9
9-10 AM	1376	0.0	101	0.0	1499	1376	0	101	0.93	0	69.0	62.9	33.8	38.5	38.5
10-11 AM	1823	0.0	135	0.0	1499	1823	0	135	5.71	138	68.5	43.1	30.8	38.1	38.1
11A-NOON	2120	0.0	156	0.0	1500	2111	9	165	23.49	620	68.1	20.0	30.8	37.8	37.7
NOON-1PM	2214	0.0	163	0.0	1500	1750	465	628	42.21	1082	68.0	12.8	30.8	37.7	31.9
1-2 PM	2310	0.0	170	0.0	1500	1590	720	890	48.10	1234	67.9	11.5	30.8	37.6	28.7
2-3 PM	2303	0.0	170	0.0	1500	1511	792	962	49.95	1282	67.9	11.1	30.8	37.6	27.8
3-4 PM	2241	0.0	165	0.0	1500	1465	776	942	49.43	1268	67.9	11.2	30.8	37.7	28.1
4-5 PM	2159	0.0	159	0.0	1500	1441	718	877	47.79	1225	68.1	11.6	30.8	37.8	28.9
5-6 PM	1901	0.0	140	0.0	1500	1347	554	694	43.65	1117	68.4	12.5	30.8	38.0	31.1
6-7 PM	1552	0.0	115	0.0	1500	1324	228	343	37.14	945	68.8	14.2	30.8	38.3	35.5
7-8 PM	1237	0.0	91	0.0	1500	1237	0	91	29.60	749	69.2	17.0	30.8	38.6	38.6
8-9 PM	909	0.0	67	0.0	1499	909	0	67	11.09	320	69.6	32.2	36.0	38.9	38.9
9-10 PM	658	0.0	49	0.0	1500	658	0	49	0.55	0	69.9	66.1	42.9	39.1	39.1
10-11 PM	478	0.0	35	0.0	1500	478	0	35	0.53	0	70.1	66.4	43.6	39.3	39.3
11PM-MID	336	0.0	24	0.0	1500	336	0	24	0.51	0	70.2	66.6	44.2	39.4	39.4

*----- 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	0.0467
MAIN ROUTE WITH WORKS	0.0377
DIVERSION	0.2021

PIA: Personal Injury Accidents

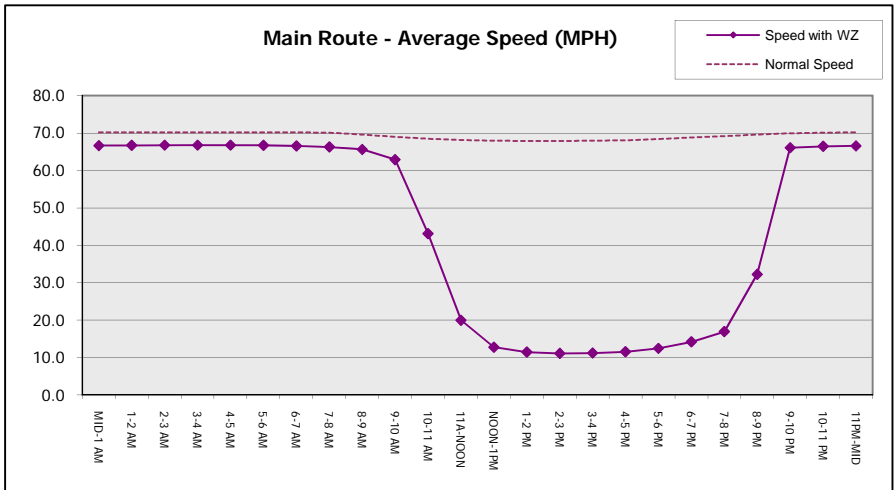
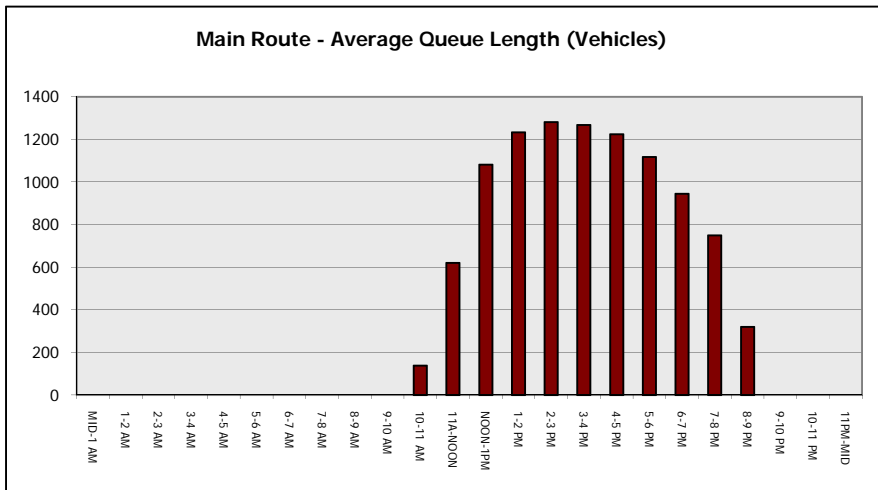
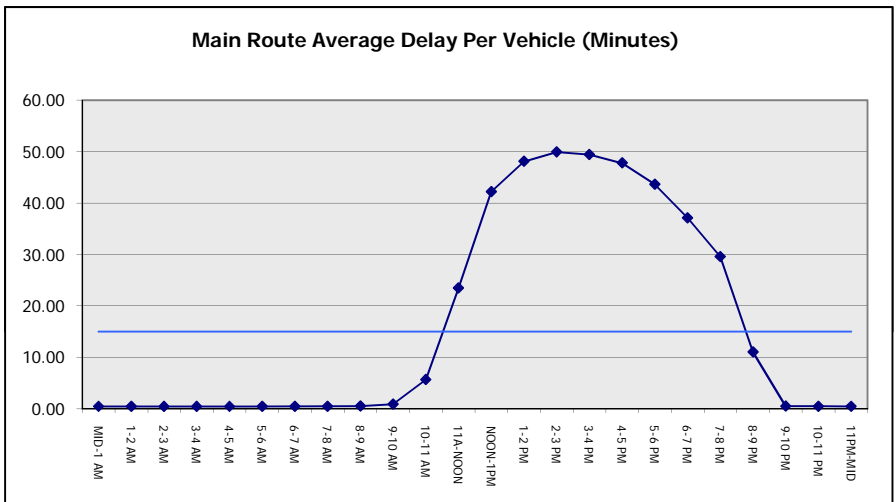
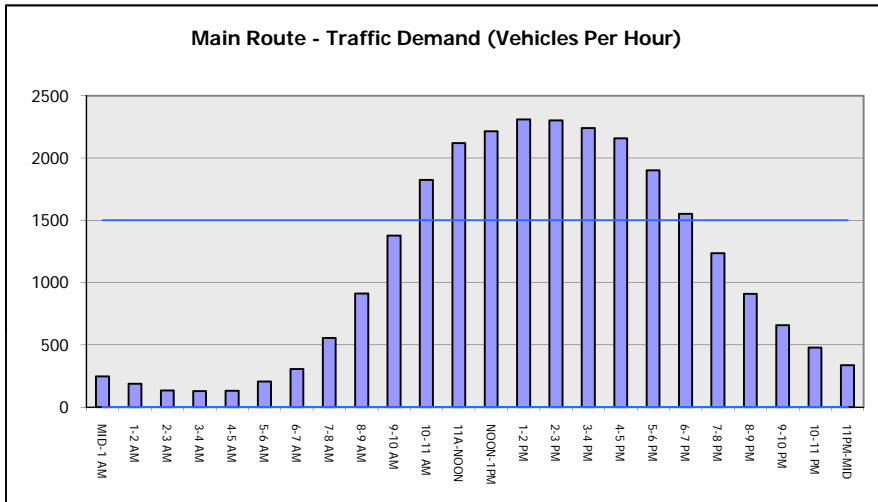
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$253,681
CONGESTED HOURS PER DAY*	9

\*Delays Exceeding 15 Minutes

**IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)**  
**CONTINUOUS (24 HOUR) 2 LANE CLOSURE**  
**DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39**

**OCTOBER**  
 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) 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39</b>	<b>OCTOBER</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	329	0.0	24	0.0	1500	329	0	24	0.51	0	70.2	66.6	44.2	39.4	39.4
1-2 AM	232	0.0	17	0.0	1500	232	0	17	0.50	0	70.2	66.6	44.5	39.6	39.6
2-3 AM	211	0.0	15	0.0	1500	211	0	15	0.50	0	70.2	66.7	44.6	39.6	39.6
3-4 AM	153	0.0	11	0.0	1500	153	0	11	0.49	0	70.2	66.7	44.9	39.6	39.6
4-5 AM	178	0.0	13	0.0	1500	178	0	13	0.49	0	70.2	66.7	44.8	39.6	39.6
5-6 AM	215	0.0	16	0.0	1500	215	0	16	0.50	0	70.2	66.7	44.6	39.6	39.6
6-7 AM	297	0.0	22	0.0	1500	297	0	22	0.51	0	70.2	66.6	44.3	39.5	39.5
7-8 AM	490	0.0	37	0.0	1500	490	0	37	0.53	0	70.1	66.4	43.5	39.3	39.3
8-9 AM	863	0.0	64	0.0	1500	863	0	64	0.57	0	69.7	65.7	42.2	38.9	38.9
9-10 AM	1593	0.0	118	0.0	1499	1593	0	118	2.24	37	68.7	55.8	32.0	38.3	38.3
10-11 AM	2494	0.0	184	0.0	1500	2446	48	231	20.41	590	67.6	22.0	30.8	37.4	36.9
11A-NOON	3253	0.0	240	0.0	1500	2279	973	1214+	57.35	1501	66.7	9.9	30.8	36.8	24.7
NOON-1PM	3597	0.0	266	0.0	1500	1560	2036	2302+	78.55	2037	66.3	7.5	30.8	36.5	18.8
1-2 PM	3908	0.0	288	0.0	1500	1501	2408	2696+	78.79	2052	64.1	7.5	30.8	36.1	18.6
2-3 PM	4044	0.0	298	0.0	1500	1501	2544	2842+	78.63	2052	63.2	7.5	30.8	36.0	18.6
3-4 PM	4147	0.0	306	0.0	1500	1501	2647	2953+	78.52	2052	62.5	7.5	30.8	36.0	18.6
4-5 PM	4148	0.0	306	0.0	1500	1501	2648	2954+	78.52	2052	62.5	7.5	30.8	36.0	18.6
5-6 PM	3620	0.0	267	0.0	1500	1501	2120	2386+	79.10	2052	66.1	7.5	30.8	36.5	18.6
6-7 PM	2872	0.0	212	0.0	1500	1449	1423	1635+	75.56	1955	67.2	7.8	30.8	37.1	19.4
7-8 PM	2237	0.0	165	0.0	1500	1016	1221	1386+	63.94	1656	67.9	9.0	30.8	37.7	22.5
8-9 PM	1660	0.0	123	0.0	1500	1033	628	750	44.91	1157	68.7	12.2	30.8	38.2	30.4
9-10 PM	1076	0.0	79	0.0	1500	1063	13	92	29.12	743	69.4	17.2	30.8	38.8	38.6
10-11 PM	673	0.0	50	0.0	1499	673	0	50	4.69	164	69.9	46.8	40.7	39.1	39.1
11PM-MID	427	0.0	31	0.0	1500	427	0	31	0.52	0	70.2	66.5	43.8	39.4	39.4

+ 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	0.0754
MAIN ROUTE WITH WORKS	0.0408
DIVERSION	0.7114

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$827,023
CONGESTED HOURS PER DAY*	12

\*Delays Exceeding 15 Minutes

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**CONTINUOUS (24 HOUR) 2 LANE CLOSURE**  
**DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39**

**OCTOBER**  
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 Construction Season

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

