

<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>OCTOBER</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	455	0.0	33	0.0	OFF	455	0	33	0.00	0	70.2	70.2	70.2	39.3	39.3
1-2 AM	334	0.0	24	0.0	OFF	334	0	24	0.00	0	70.2	70.2	70.2	39.4	39.4
2-3 AM	261	0.0	19	0.0	OFF	261	0	19	0.00	0	70.2	70.2	70.2	39.5	39.5
3-4 AM	260	0.0	19	0.0	OFF	260	0	19	0.00	0	70.2	70.2	70.2	39.5	39.5
4-5 AM	287	0.0	21	0.0	OFF	287	0	21	0.00	0	70.2	70.2	70.2	39.5	39.5
5-6 AM	499	0.0	37	0.0	OFF	499	0	37	0.00	0	70.1	70.1	70.1	39.3	39.3
6-7 AM	733	0.0	54	0.0	OFF	733	0	54	0.00	0	69.8	69.8	69.8	39.1	39.1
7-8 AM	1233	0.0	91	0.0	OFF	1233	0	91	0.00	0	69.2	69.2	69.2	38.6	38.6
8-9 AM	1702	0.0	126	0.0	1499	1702	0	126	3.63	74	68.6	49.9	30.8	38.2	38.2
9-10 AM	2081	0.0	153	0.0	1500	2081	0	153	17.77	472	68.1	24.2	30.8	37.8	37.8
10-11 AM	2339	0.0	172	0.0	1500	1947	392	564	40.93	1055	67.8	13.1	30.8	37.6	32.7
11A-NOON	2248	0.0	166	0.0	1500	1509	739	906	48.50	1244	67.9	11.4	30.8	37.7	28.5
NOON-1PM	2056	0.0	152	0.0	1500	1397	659	811	46.23	1184	68.2	11.9	30.8	37.9	29.7
1-2 PM	1992	0.0	147	0.0	1500	1452	540	687	43.47	1111	68.2	12.5	30.8	37.9	31.2
2-3 PM	1865	0.0	138	0.0	1500	1436	429	567	41.06	1048	68.4	13.1	30.8	38.0	32.7
3-4 PM	1960	0.0	145	0.0	1500	1536	424	569	41.09	1049	68.3	13.1	30.8	37.9	32.7
4-5 PM	1757	0.0	130	0.0	1500	1402	355	485	39.55	1008	68.6	13.5	30.8	38.1	33.7
5-6 PM	1627	0.0	120	0.0	1500	1435	192	312	36.62	931	68.7	14.3	30.8	38.3	35.9
6-7 PM	1398	0.0	103	0.0	OFF	1398	0	103	1.03	87	69.0	62.3	62.3	38.4	38.4
7-8 PM	1050	0.0	77	0.0	OFF	1050	0	77	0.00	0	69.4	69.4	69.4	38.8	38.8
8-9 PM	821	0.0	61	0.0	OFF	821	0	61	0.00	0	69.7	69.7	69.7	39.0	39.0
9-10 PM	656	0.0	49	0.0	OFF	656	0	49	0.00	0	69.9	69.9	69.9	39.1	39.1
10-11 PM	500	0.0	37	0.0	OFF	500	0	37	0.00	0	70.1	70.1	70.1	39.3	39.3
11PM-MID	343	0.0	25	0.0	OFF	343	0	25	0.00	0	70.2	70.2	70.2	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	0.0503
MAIN ROUTE WITH WORKS	0.0426
DIVERSION	0.1897

PIA: Personal Injury Accidents

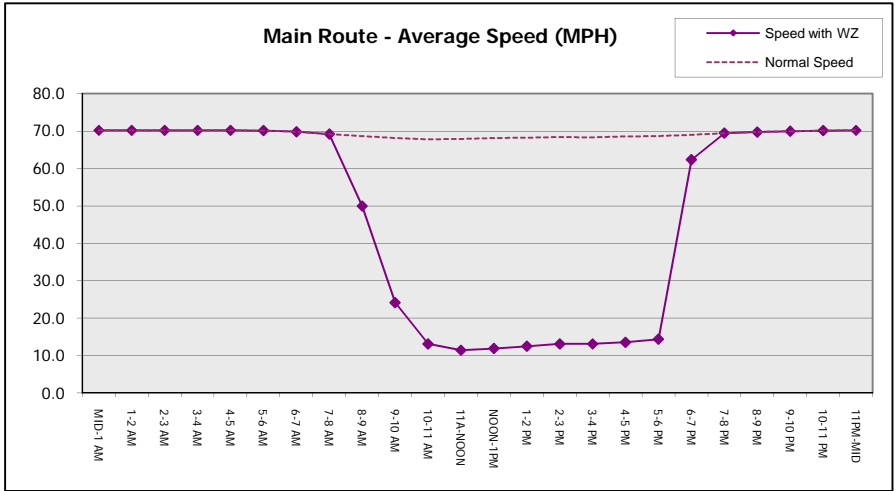
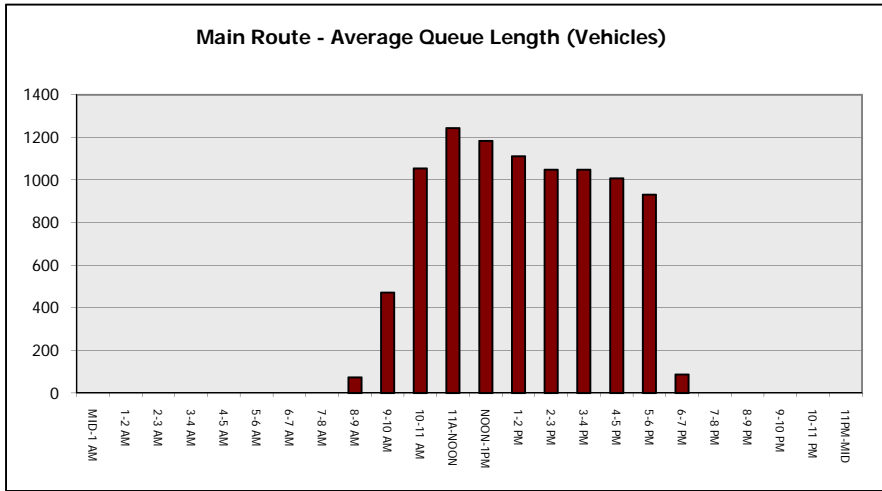
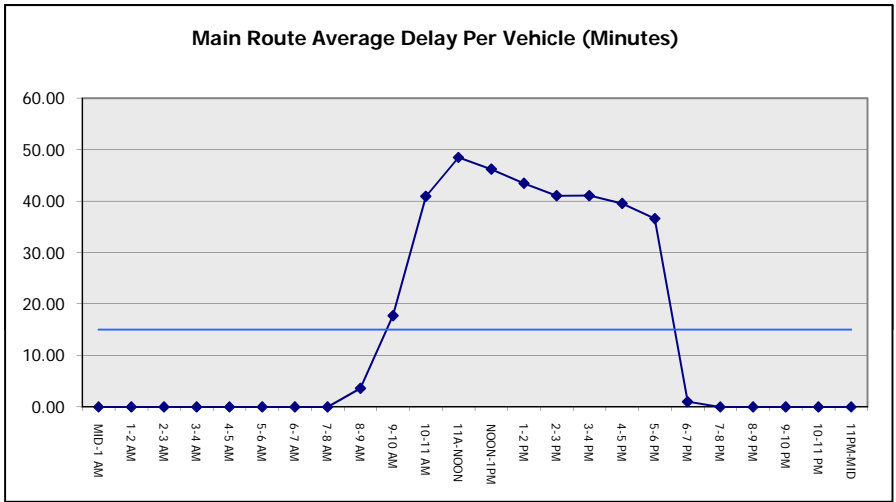
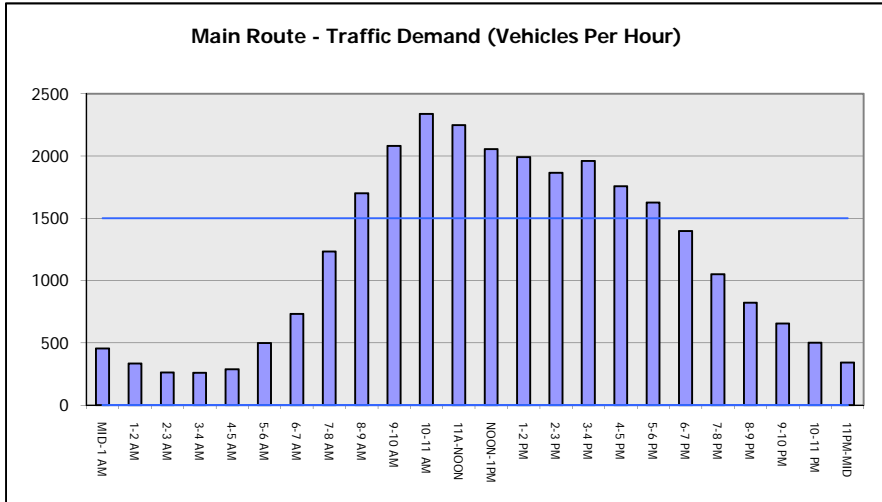
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$207,848
CONGESTED HOURS PER DAY*	9

\*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**

**OCTOBER**  
 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>OCTOBER</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		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	366	0.0	27	0.0	OFF	366	0	27	0.00	0	70.2	70.2	70.2	39.4	39.4
1-2 AM	285	0.0	21	0.0	OFF	285	0	21	0.00	0	70.2	70.2	70.2	39.5	39.5
2-3 AM	283	0.0	21	0.0	OFF	283	0	21	0.00	0	70.2	70.2	70.2	39.5	39.5
3-4 AM	270	0.0	20	0.0	OFF	270	0	20	0.00	0	70.2	70.2	70.2	39.5	39.5
4-5 AM	283	0.0	21	0.0	OFF	283	0	21	0.00	0	70.2	70.2	70.2	39.5	39.5
5-6 AM	337	0.0	25	0.0	OFF	337	0	25	0.00	0	70.2	70.2	70.2	39.4	39.4
6-7 AM	455	0.0	33	0.0	OFF	455	0	33	0.00	0	70.2	70.2	70.2	39.3	39.3
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	1381	0.0	101	0.0	1499	1381	0	101	0.94	0	69.0	62.9	33.6	38.5	38.5
9-10 AM	1661	0.0	123	0.0	1499	1661	0	123	3.60	70	68.7	50.1	30.8	38.2	38.2
10-11 AM	1704	0.0	126	0.0	1499	1704	0	126	10.72	258	68.6	32.6	30.8	38.2	38.2
11A-NOON	1823	0.0	135	0.0	1500	1823	0	135	20.72	524	68.5	21.9	30.8	38.1	38.1
NOON-1PM	1767	0.0	131	0.0	1499	1743	24	155	32.11	816	68.6	15.9	30.8	38.1	37.8
1-2 PM	1804	0.0	133	0.0	1499	1552	253	386	37.80	962	68.5	14.0	30.8	38.1	35.0
2-3 PM	1830	0.0	135	0.0	1499	1517	313	448	38.88	990	68.4	13.7	30.8	38.1	34.2
3-4 PM	1908	0.0	141	0.0	1499	1538	371	512	40.01	1020	68.4	13.4	30.8	38.0	33.4
4-5 PM	1930	0.0	142	0.0	1499	1508	422	564	41.01	1046	68.3	13.1	30.8	38.0	32.7
5-6 PM	1792	0.0	132	0.0	1499	1428	365	496	39.75	1013	68.5	13.5	30.8	38.1	33.6
6-7 PM	1523	0.0	113	0.0	OFF	1523	0	113	1.23	105	68.9	61.0	61.0	38.3	38.3
7-8 PM	1324	0.0	97	0.0	OFF	1324	0	97	0.00	0	69.1	69.1	69.1	38.6	38.6
8-9 PM	1086	0.0	80	0.0	OFF	1086	0	80	0.00	0	69.4	69.4	69.4	38.8	38.8
9-10 PM	889	0.0	66	0.0	OFF	889	0	66	0.00	0	69.6	69.6	69.6	38.9	38.9
10-11 PM	721	0.0	53	0.0	OFF	721	0	53	0.00	0	69.9	69.9	69.9	39.1	39.1
11PM-MID	434	0.0	32	0.0	OFF	434	0	32	0.00	0	70.2	70.2	70.2	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	0.0471
MAIN ROUTE WITH WORKS	0.0430
DIVERSION	0.1210

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$141,425
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**

**OCTOBER**  
 Analyzed for 2009  
 Construction Season

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

