

<b>IH 39/90/94: IH 39 &amp; IH 90/94 TO STH 60 (COLUMBIA COUNTY)</b> <b>NIGHTTIME 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 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	OFF	1376	0	101	0.00	0	69.0	69.0	69.0	38.5	38.5
10-11 AM	1823	0.0	135	0.0	OFF	1823	0	135	0.00	0	68.5	68.5	68.5	38.1	38.1
11A-NOON	2120	0.0	156	0.0	OFF	2120	0	156	0.00	0	68.1	68.1	68.1	37.8	37.8
NOON-1PM	2214	0.0	163	0.0	OFF	2214	0	163	0.00	0	68.0	68.0	68.0	37.7	37.7
1-2 PM	2310	0.0	170	0.0	OFF	2310	0	170	0.00	0	67.9	67.9	67.9	37.6	37.6
2-3 PM	2303	0.0	170	0.0	OFF	2303	0	170	0.00	0	67.9	67.9	67.9	37.6	37.6
3-4 PM	2241	0.0	165	0.0	OFF	2241	0	165	0.00	0	67.9	67.9	67.9	37.7	37.7
4-5 PM	2159	0.0	159	0.0	OFF	2159	0	159	0.00	0	68.1	68.1	68.1	37.8	37.8
5-6 PM	1901	0.0	140	0.0	OFF	1901	0	140	0.00	0	68.4	68.4	68.4	38.0	38.0
6-7 PM	1552	0.0	115	0.0	OFF	1552	0	115	0.00	0	68.8	68.8	68.8	38.3	38.3
7-8 PM	1237	0.0	91	0.0	1500	1237	0	91	0.76	0	69.2	64.1	37.3	38.6	38.6
8-9 PM	909	0.0	67	0.0	1500	909	0	67	0.58	0	69.6	65.6	42.0	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

"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	0.0467
MAIN ROUTE WITH WORKS	0.0462
DIVERSION	0.0634

PIA: Personal Injury Accidents

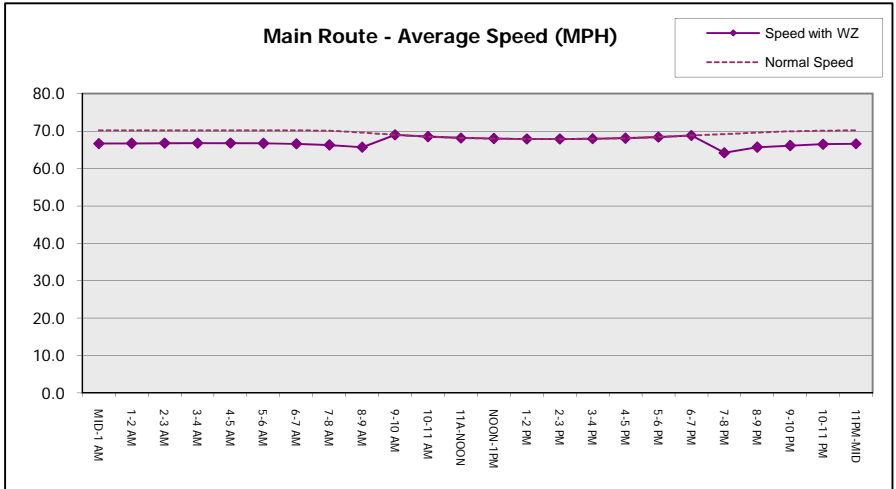
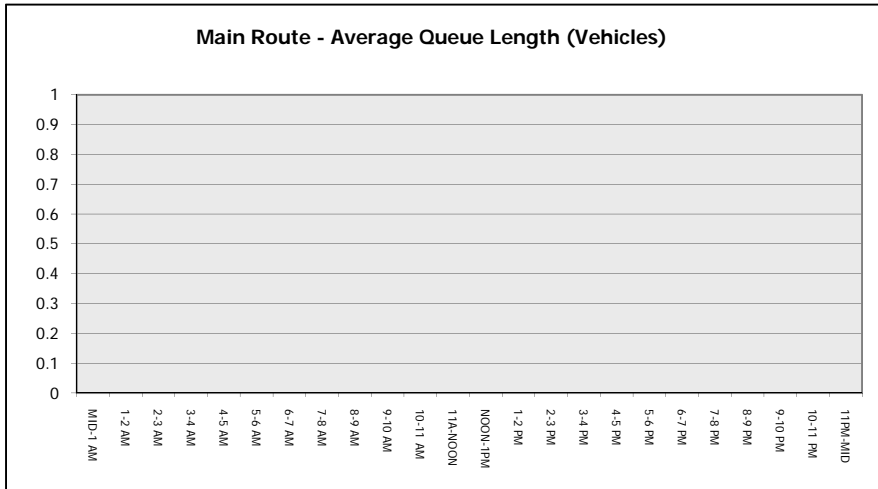
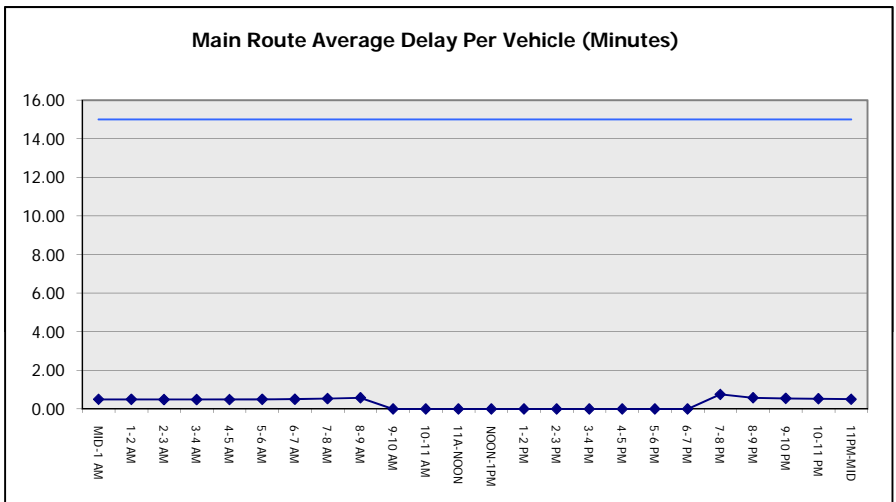
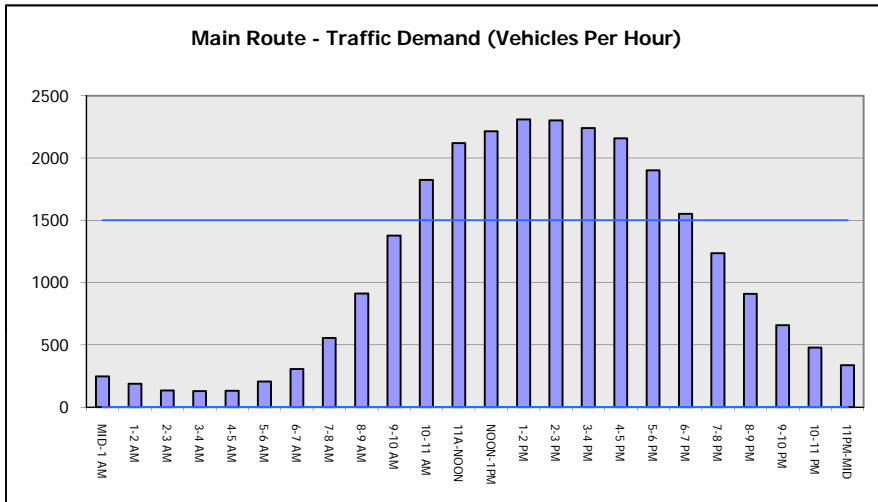
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$1,014
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)**  
**NIGHTTIME 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) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
SUNDAY	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	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	OFF	1593	0	118	0.00	0	68.7	68.7	68.7	38.3	38.3
10-11 AM	2494	0.0	184	0.0	OFF	2494	0	184	0.00	0	67.6	67.6	67.6	37.4	37.4
11A-NOON	3253	0.0	240	0.0	OFF	3253	0	240	0.00	0	66.7	66.7	66.7	36.8	36.8
NOON-1PM	3597	0.0	266	0.0	OFF	3597	0	266	0.00	0	66.3	66.3	66.3	36.5	36.5
1-2 PM	3908	0.0	288	0.0	OFF	3908	0	288	0.00	0	64.1	64.1	64.1	36.1	36.1
2-3 PM	4044	0.0	298	0.0	OFF	4044	0	298	0.00	0	63.2	63.2	63.2	36.0	36.0
3-4 PM	4147	0.0	306	0.0	OFF	4147	0	306	0.00	0	62.5	62.5	62.5	36.0	36.0
4-5 PM	4148	0.0	306	0.0	OFF	4148	0	306	0.00	0	62.5	62.5	62.5	36.0	36.0
5-6 PM	3620	0.0	267	0.0	OFF	3620	0	267	0.00	0	66.1	66.1	66.1	36.5	36.5
6-7 PM	2872	0.0	212	0.0	OFF	2872	0	212	0.00	0	67.2	67.2	67.2	37.1	37.1
7-8 PM	2237	0.0	165	0.0	1499	2237	0	165	14.61	406	67.9	27.3	30.8	37.7	37.7
8-9 PM	1660	0.0	123	0.0	1499	1627	33	156	33.31	844	68.7	15.5	30.8	38.2	37.8
9-10 PM	1076	0.0	79	0.0	1499	1076	0	79	26.75	682	69.4	18.3	30.8	38.8	38.8
10-11 PM	673	0.0	50	0.0	1499	673	0	50	3.82	129	69.9	49.9	41.5	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

"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	0.0754
MAIN ROUTE WITH WORKS	0.0748
DIVERSION	0.1037

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$32,739
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding 15 Minutes

**IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)**  
**NIGHTTIME 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 EASTBOUND DIRECTION**

