

<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**

**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	405	0.0	29	0.0	1500	405	0	29	0.52	0	70.2	66.5	43.9	39.4	39.4
1-2 AM	335	0.0	24	0.0	1500	335	0	24	0.51	0	70.2	66.6	44.2	39.4	39.4
2-3 AM	293	0.0	21	0.0	1500	293	0	21	0.51	0	70.2	66.6	44.3	39.5	39.5
3-4 AM	306	0.0	22	0.0	1500	306	0	22	0.51	0	70.2	66.6	44.3	39.5	39.5
4-5 AM	345	0.0	25	0.0	1500	345	0	25	0.51	0	70.2	66.6	44.1	39.4	39.4
5-6 AM	545	0.0	41	0.0	OFF	545	0	41	0.00	0	70.0	70.0	70.0	39.2	39.2
6-7 AM	892	0.0	66	0.0	OFF	892	0	66	0.00	0	69.6	69.6	69.6	38.9	38.9
7-8 AM	1332	0.0	98	0.0	OFF	1332	0	98	0.00	0	69.1	69.1	69.1	38.5	38.5
8-9 AM	1569	0.0	116	0.0	OFF	1569	0	116	0.00	0	68.8	68.8	68.8	38.3	38.3
9-10 AM	1821	0.0	134	0.0	OFF	1821	0	134	0.00	0	68.5	68.5	68.5	38.1	38.1
10-11 AM	2072	0.0	153	0.0	OFF	2072	0	153	0.00	0	68.2	68.2	68.2	37.8	37.8
11A-NOON	2262	0.0	167	0.0	OFF	2262	0	167	0.00	0	67.9	67.9	67.9	37.7	37.7
NOON-1PM	2327	0.0	171	0.0	OFF	2327	0	171	0.00	0	67.8	67.8	67.8	37.6	37.6
1-2 PM	2544	0.0	188	0.0	OFF	2544	0	188	0.00	0	67.6	67.6	67.6	37.4	37.4
2-3 PM	2701	0.0	200	0.0	OFF	2701	0	200	0.00	0	67.4	67.4	67.4	37.3	37.3
3-4 PM	2833	0.0	209	0.0	OFF	2833	0	209	0.00	0	67.2	67.2	67.2	37.1	37.1
4-5 PM	2941	0.0	217	0.0	OFF	2941	0	217	0.00	0	67.1	67.1	67.1	37.1	37.1
5-6 PM	3003	0.0	221	0.0	OFF	3003	0	221	0.00	0	67.0	67.0	67.0	37.0	37.0
6-7 PM	2768	0.0	204	0.0	OFF	2768	0	204	0.00	0	67.3	67.3	67.3	37.2	37.2
7-8 PM	2351	0.0	173	0.0	1499	2351	0	173	15.89	452	67.8	25.9	30.8	37.6	37.6
8-9 PM	1893	0.0	140	0.0	1500	1634	259	398	38.01	968	68.4	13.9	30.8	38.0	34.8
9-10 PM	1402	0.0	103	0.0	1500	1296	106	209	34.81	884	69.0	15.0	30.8	38.4	37.1
10-11 PM	1010	0.0	74	0.0	1500	1010	0	74	21.62	559	69.5	21.3	31.4	38.8	38.8
11PM-MID	671	0.0	50	0.0	1500	671	0	50	2.05	56	69.9	57.5	42.5	39.1	39.1

"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	0.0682
MAIN ROUTE WITH WORKS	0.0670
DIVERSION	0.1045

PIA: Personal Injury Accidents

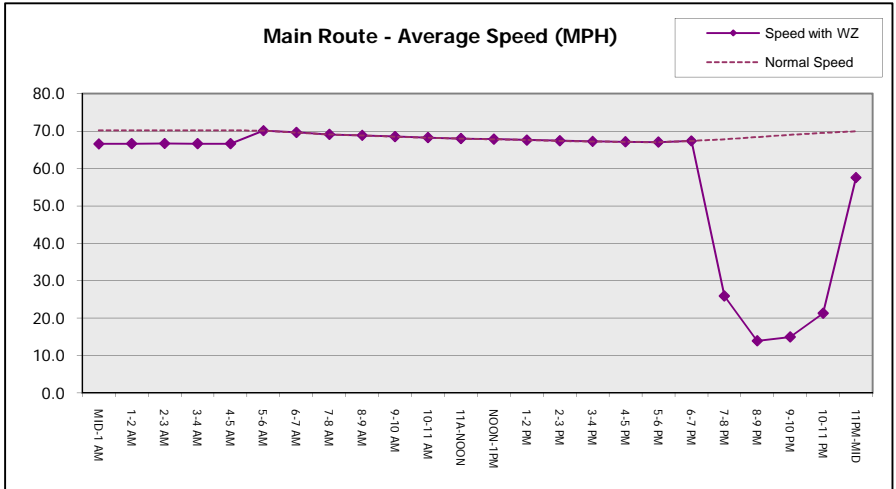
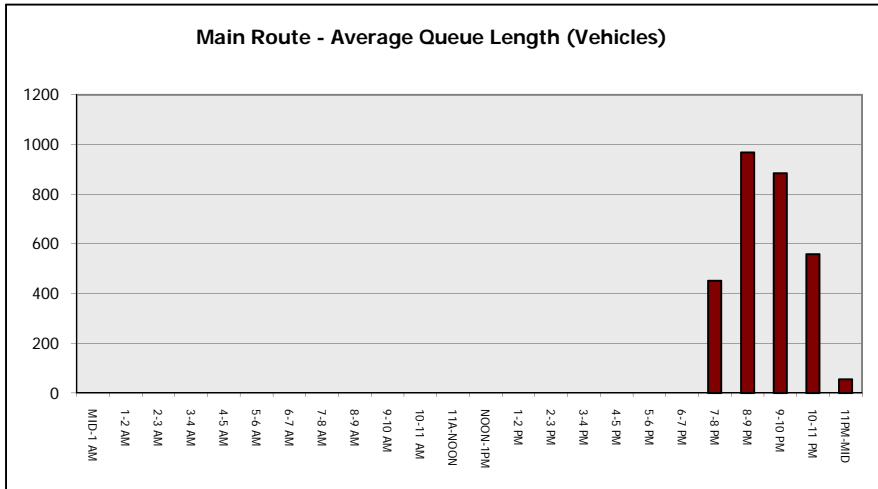
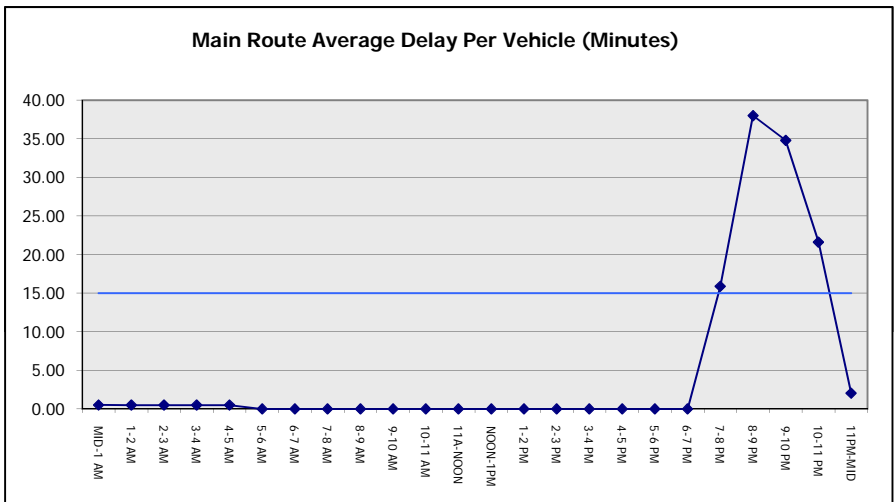
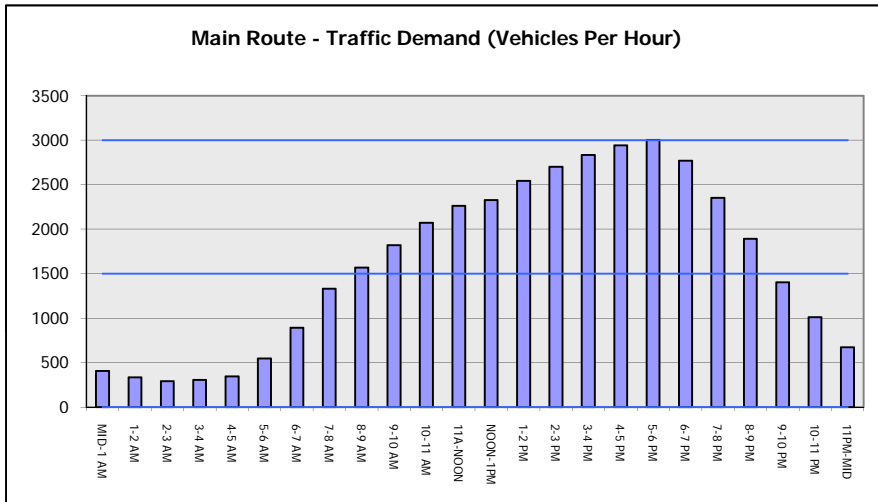
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$45,961
CONGESTED HOURS PER DAY*	4

\*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**  
**FRIDAY 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>	
FRIDAY	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	325	0.0	24	0.0	1500	325	0	24	0.51	0	70.2	66.6	44.2	39.4	39.4
1-2 AM	270	0.0	20	0.0	1500	270	0	20	0.51	0	70.2	66.6	44.4	39.5	39.5
2-3 AM	291	0.0	21	0.0	1500	291	0	21	0.51	0	70.2	66.6	44.3	39.5	39.5
3-4 AM	311	0.0	23	0.0	1500	311	0	23	0.51	0	70.2	66.6	44.2	39.4	39.4
4-5 AM	407	0.0	30	0.0	1500	407	0	30	0.52	0	70.2	66.5	43.8	39.4	39.4
5-6 AM	687	0.0	51	0.0	OFF	687	0	51	0.00	0	69.9	69.9	69.9	39.1	39.1
6-7 AM	1075	0.0	79	0.0	OFF	1075	0	79	0.00	0	69.4	69.4	69.4	38.8	38.8
7-8 AM	1205	0.0	89	0.0	OFF	1205	0	89	0.00	0	69.2	69.2	69.2	38.6	38.6
8-9 AM	1234	0.0	91	0.0	OFF	1234	0	91	0.00	0	69.2	69.2	69.2	38.6	38.6
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	1646	0.0	122	0.0	OFF	1646	0	122	0.00	0	68.7	68.7	68.7	38.3	38.3
11A-NOON	1834	0.0	135	0.0	OFF	1834	0	135	0.00	0	68.4	68.4	68.4	38.1	38.1
NOON-1PM	1988	0.0	147	0.0	OFF	1988	0	147	0.00	0	68.2	68.2	68.2	37.9	37.9
1-2 PM	2215	0.0	163	0.0	OFF	2215	0	163	0.00	0	68.0	68.0	68.0	37.7	37.7
2-3 PM	2422	0.0	178	0.0	OFF	2422	0	178	0.00	0	67.8	67.8	67.8	37.5	37.5
3-4 PM	2408	0.0	177	0.0	OFF	2408	0	177	0.00	0	67.8	67.8	67.8	37.6	37.6
4-5 PM	2674	0.0	198	0.0	OFF	2674	0	198	0.00	0	67.4	67.4	67.4	37.3	37.3
5-6 PM	2378	0.0	175	0.0	OFF	2378	0	175	0.00	0	67.8	67.8	67.8	37.6	37.6
6-7 PM	2002	0.0	148	0.0	OFF	2002	0	148	0.00	0	68.2	68.2	68.2	37.9	37.9
7-8 PM	1678	0.0	124	0.0	1499	1678	0	124	5.03	108	68.6	45.2	30.8	38.2	38.2
8-9 PM	1380	0.0	101	0.0	1499	1380	0	101	6.21	137	69.0	42.0	31.4	38.5	38.5
9-10 PM	1055	0.0	78	0.0	1500	1055	0	78	0.76	4	69.4	64.3	41.0	38.8	38.8
10-11 PM	792	0.0	59	0.0	1500	792	0	59	0.56	0	69.7	65.8	42.4	39.0	39.0
11PM-MID	506	0.0	38	0.0	1500	506	0	38	0.53	0	70.1	66.4	43.5	39.2	39.2

"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	0.0568
MAIN ROUTE WITH WORKS	0.0563
DIVERSION	0.0773

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$4,880
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**  
**FRIDAY EASTBOUND DIRECTION**

