

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	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	OFF	294	0	21	0.00	0	70.2	70.2	70.2	39.5	39.5
1-2 AM	210	0.0	15	0.0	OFF	210	0	15	0.00	0	70.2	70.2	70.2	39.6	39.6
2-3 AM	147	0.0	11	0.0	OFF	147	0	11	0.00	0	70.2	70.2	70.2	39.6	39.6
3-4 AM	124	0.0	9	0.0	OFF	124	0	9	0.00	0	70.2	70.2	70.2	39.6	39.6
4-5 AM	132	0.0	10	0.0	OFF	132	0	10	0.00	0	70.2	70.2	70.2	39.6	39.6
5-6 AM	201	0.0	15	0.0	OFF	201	0	15	0.00	0	70.2	70.2	70.2	39.6	39.6
6-7 AM	349	0.0	25	0.0	OFF	349	0	25	0.00	0	70.2	70.2	70.2	39.4	39.4
7-8 AM	654	0.0	49	0.0	OFF	654	0	49	0.00	0	69.9	69.9	69.9	39.1	39.1
8-9 AM	1245	0.0	92	0.0	OFF	1245	0	92	0.00	0	69.2	69.2	69.2	38.6	38.6
9-10 AM	1993	0.0	147	0.0	1499	1993	0	147	7.42	201	68.2	38.8	30.8	37.9	37.9
10-11 AM	2699	0.0	199	0.0	1500	2376	323	522	36.25	970	67.4	14.4	30.8	37.3	33.3
11A-NOON	3104	0.0	229	0.0	1499	1980	1124	1353+	62.47	1621	66.9	9.2	30.8	36.9	22.9
NOON-1PM	3204	0.0	236	0.0	1499	1754	1450	1686+	76.70	1988	66.8	7.7	30.8	36.8	19.2
1-2 PM	3263	0.0	240	0.0	1499	1500	1764	2004+	79.18	2052	66.7	7.5	30.8	36.8	18.6
2-3 PM	3208	0.0	236	0.0	1499	1496	1711	1948+	79.16	2051	66.8	7.5	30.8	36.8	18.6
3-4 PM	2882	0.0	213	0.0	1499	1341	1541	1754+	77.71	2012	67.1	7.6	30.8	37.1	18.9
4-5 PM	2615	0.0	193	0.0	1499	1266	1349	1542+	70.79	1831	67.5	8.3	30.8	37.3	20.6
5-6 PM	2299	0.0	169	0.0	1499	1182	1116	1286+	60.06	1551	67.9	9.5	30.8	37.6	23.8
6-7 PM	1886	0.0	139	0.0	1499	1169	716	855	47.31	1216	68.4	11.7	30.8	38.0	29.1
7-8 PM	1535	0.0	114	0.0	OFF	1535	0	114	1.44	125	68.8	59.9	59.9	38.3	38.3
8-9 PM	1221	0.0	90	0.0	OFF	1221	0	90	0.00	0	69.2	69.2	69.2	38.6	38.6
9-10 PM	938	0.0	69	0.0	OFF	938	0	69	0.00	0	69.6	69.6	69.6	38.9	38.9
10-11 PM	669	0.0	50	0.0	OFF	669	0	50	0.00	0	69.9	69.9	69.9	39.1	39.1
11PM-MID	452	0.0	33	0.0	OFF	452	0	33	0.00	0	70.2	70.2	70.2	39.3	39.3

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0624
MAIN ROUTE WITH WORKS	0.0417
DIVERSION	0.4459

PIA: Personal Injury Accidents

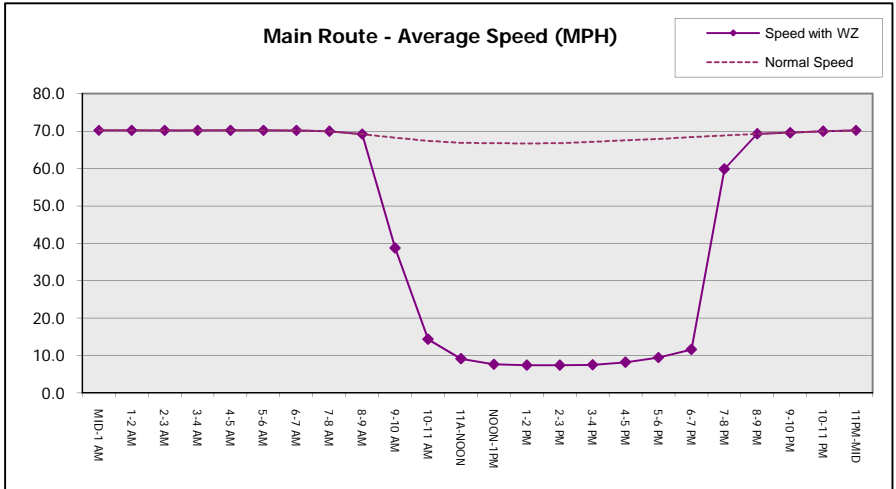
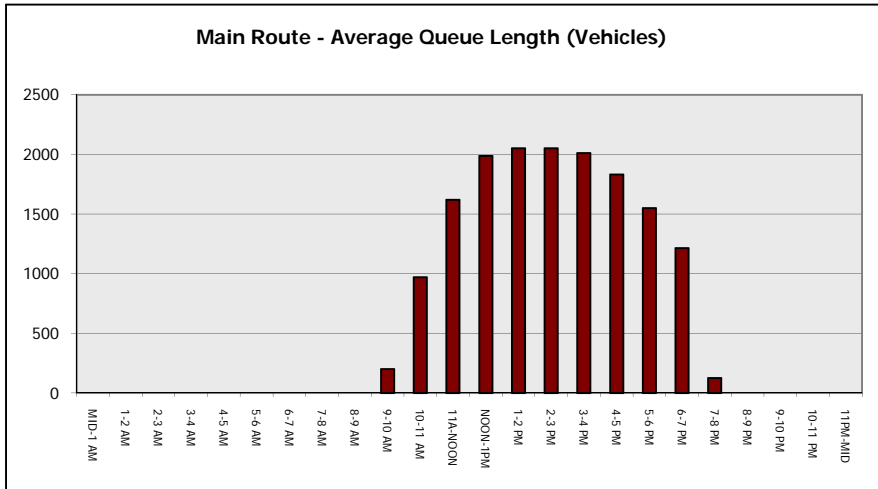
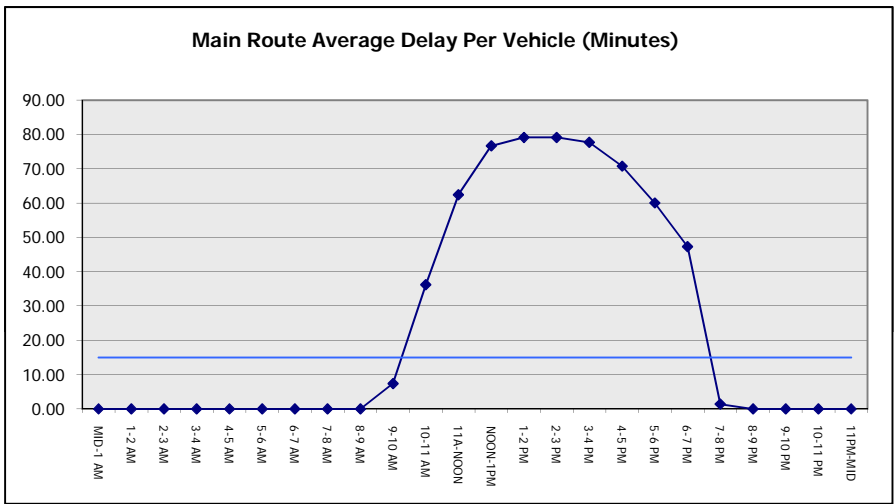
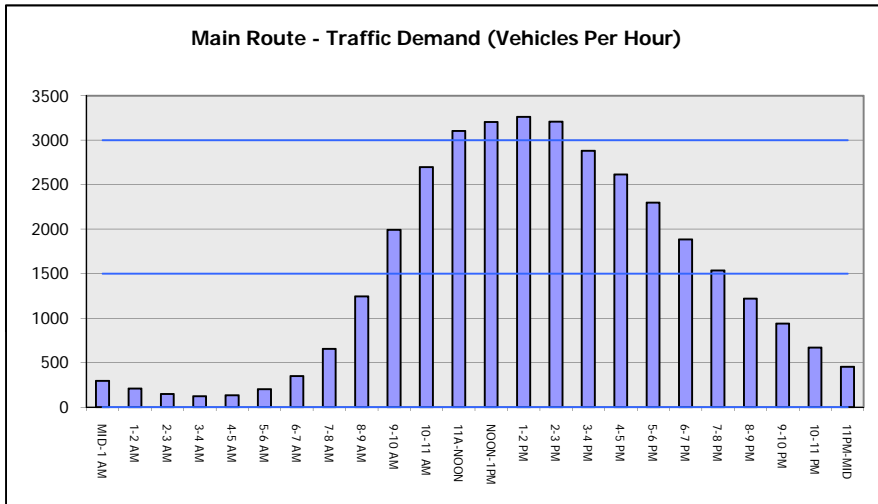
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$543,776
CONGESTED HOURS PER DAY*	9

*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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



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	AUGUST 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	OFF	427	0	31	0.00	0	70.2	70.2	70.2	39.4	39.4
1-2 AM	330	0.0	24	0.0	OFF	330	0	24	0.00	0	70.2	70.2	70.2	39.4	39.4
2-3 AM	279	0.0	20	0.0	OFF	279	0	20	0.00	0	70.2	70.2	70.2	39.5	39.5
3-4 AM	218	0.0	16	0.0	OFF	218	0	16	0.00	0	70.2	70.2	70.2	39.6	39.6
4-5 AM	211	0.0	15	0.0	OFF	211	0	15	0.00	0	70.2	70.2	70.2	39.6	39.6
5-6 AM	256	0.0	19	0.0	OFF	256	0	19	0.00	0	70.2	70.2	70.2	39.5	39.5
6-7 AM	358	0.0	26	0.0	OFF	358	0	26	0.00	0	70.2	70.2	70.2	39.4	39.4
7-8 AM	613	0.0	46	0.0	OFF	613	0	46	0.00	0	70.0	70.0	70.0	39.2	39.2
8-9 AM	1139	0.0	84	0.0	OFF	1139	0	84	0.00	0	69.3	69.3	69.3	38.7	38.7
9-10 AM	2101	0.0	155	0.0	1499	2101	0	155	8.22	235	68.1	37.0	30.8	37.8	37.8
10-11 AM	3213	0.0	237	0.0	1499	2652	561	799	45.73	1233	66.8	11.9	30.8	36.8	29.8
11A-NOON	4131	0.0	305	0.0	1499	1565	2566	2872+	77.93	2036	62.7	7.5	30.8	36.0	18.8
NOON-1PM	4601	0.0	340	0.0	1499	1501	3100	3440+	77.96	2052	59.4	7.5	30.8	35.5	18.6
1-2 PM	4506	0.0	333	0.0	1499	1501	3005	3337+	78.08	2052	60.1	7.5	30.8	35.6	18.6
2-3 PM	4444	0.0	328	0.0	1499	1501	2943	3271+	78.16	2052	60.5	7.5	30.8	35.6	18.6
3-4 PM	4461	0.0	330	0.0	1499	1501	2960	3290+	78.14	2052	60.4	7.5	30.8	35.6	18.6
4-5 PM	4605	0.0	340	0.0	1499	1501	3103	3443+	77.96	2052	59.4	7.5	30.8	35.5	18.6
5-6 PM	4062	0.0	299	0.0	1499	1501	2561	2860+	78.61	2052	63.1	7.5	30.8	36.0	18.6
6-7 PM	3884	0.0	287	0.0	1499	1501	2383	2670+	78.81	2052	64.3	7.5	30.8	36.2	18.6
7-8 PM	3346	0.0	247	0.0	OFF	3346	0	247	8.27	627	66.6	36.5	36.5	36.7	36.7
8-9 PM	2595	0.0	192	0.0	OFF	2595	0	192	0.00	0	67.5	67.5	67.5	37.4	37.4
9-10 PM	1692	0.0	125	0.0	OFF	1692	0	125	0.00	0	68.6	68.6	68.6	38.2	38.2
10-11 PM	1104	0.0	81	0.0	OFF	1104	0	81	0.00	0	69.4	69.4	69.4	38.8	38.8
11PM-MID	665	0.0	49	0.0	OFF	665	0	49	0.00	0	69.9	69.9	69.9	39.1	39.1

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0520
DIVERSION	0.8823

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$927,375
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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

