

IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY) OFF-PEAK DAY 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	3000	1993	0	147	0.33	0	68.2	66.0	49.7	37.9	37.9
10-11 AM	2699	0.0	199	0.0	2999	2699	0	199	0.53	0	67.4	64.0	42.7	37.3	37.3
11A-NOON	3104	0.0	229	0.0	2999	3104	0	229	1.35	36	66.9	58.9	37.3	36.9	36.9
NOON-1PM	3204	0.0	236	0.0	3000	3204	0	236	4.28	200	66.8	46.7	37.3	36.8	36.8
1-2 PM	3263	0.0	240	0.0	3000	3263	0	240	8.57	438	66.7	35.9	37.3	36.8	36.8
2-3 PM	3208	0.0	236	0.0	3000	3208	0	236	13.11	686	66.8	28.8	37.3	36.8	36.8
3-4 PM	2882	0.0	213	0.0	2999	2882	0	213	14.12	737	67.1	27.7	37.3	37.1	37.1
4-5 PM	2615	0.0	193	0.0	2999	2615	0	193	9.39	486	67.5	34.6	37.4	37.3	37.3
5-6 PM	2299	0.0	169	0.0	3000	2299	0	169	1.36	62	67.9	59.6	47.1	37.6	37.6
6-7 PM	1886	0.0	139	0.0	3000	1886	0	139	0.34	0	68.4	66.1	49.7	38.0	38.0
7-8 PM	1535	0.0	114	0.0	OFF	1535	0	114	0.00	0	68.8	68.8	68.8	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)

----- 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	0.0606
DIVERSION	0.0849

PIA: Personal Injury Accidents

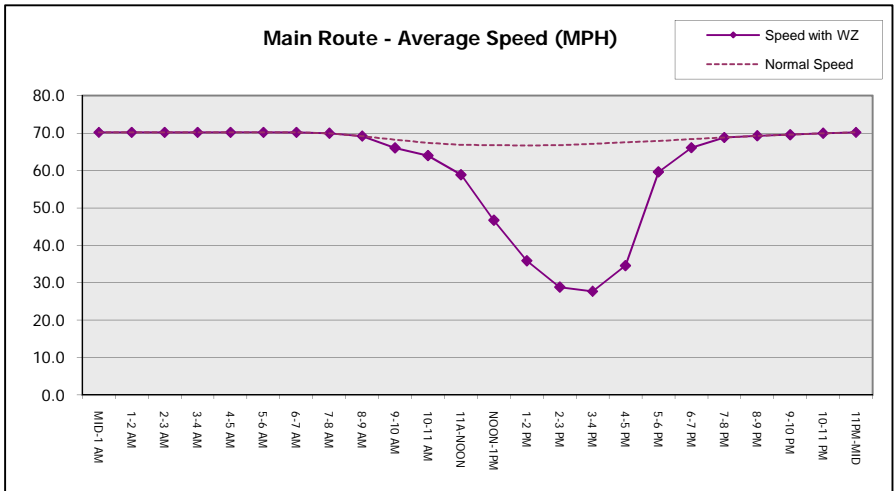
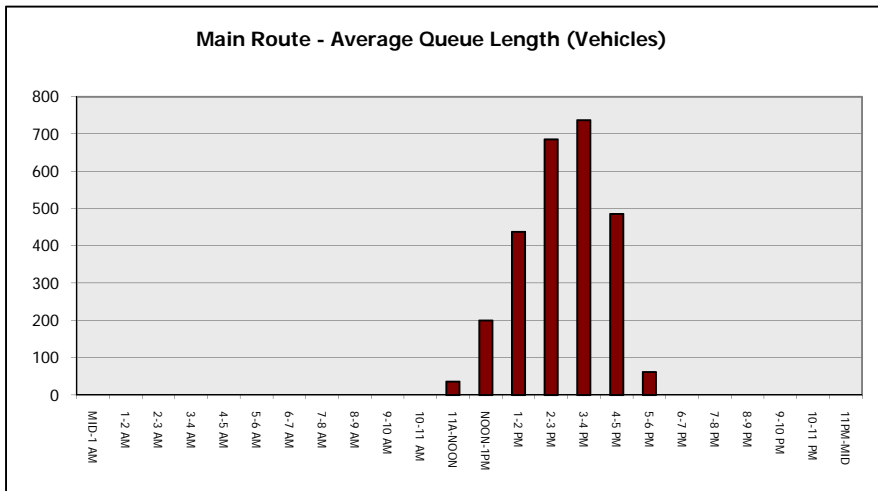
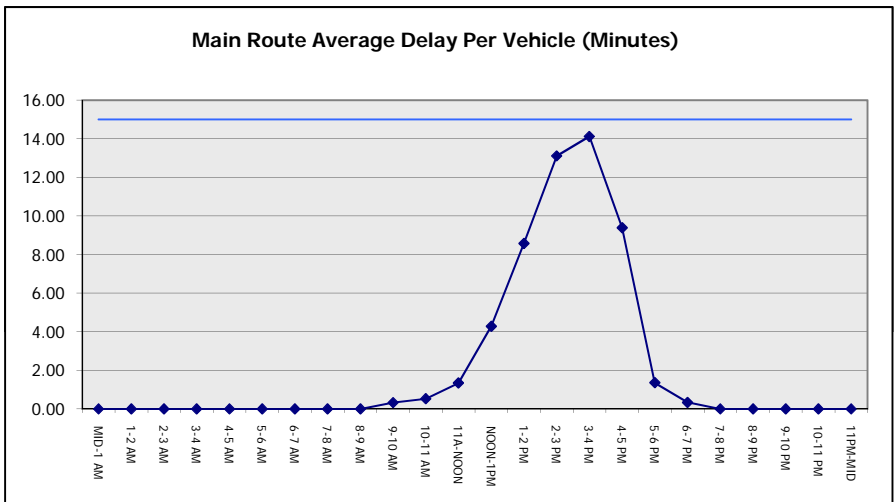
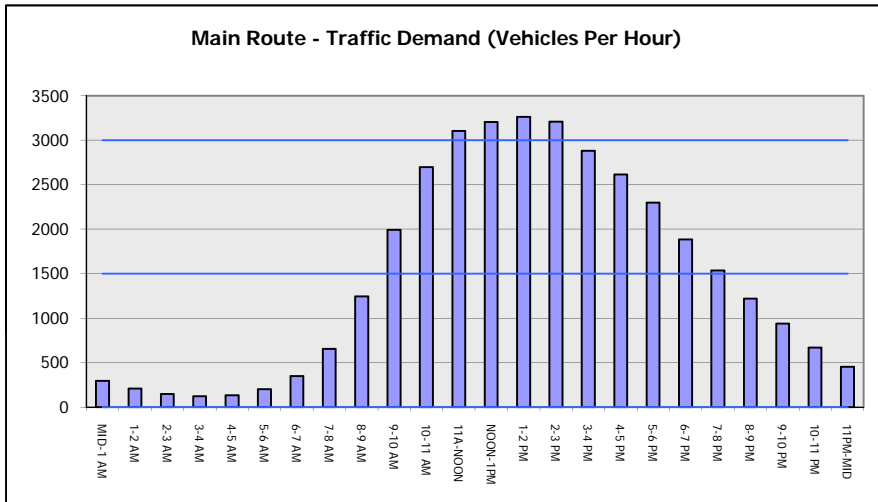
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$42,900
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)
OFF-PEAK DAY 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 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	2999	2101	0	155	0.33	0	68.1	65.9	49.7	37.8	37.8
10-11 AM	3213	0.0	237	0.0	2999	3213	0	237	1.65	58	66.8	57.3	37.6	36.8	36.8
11A-NOON	4131	0.0	305	0.0	3000	4131	0	305	12.67	755	62.7	28.6	37.3	36.0	36.0
NOON-1PM	4601	0.0	340	0.0	3000	4384	218	557	36.76	2097	59.4	13.9	37.3	35.5	32.9
1-2 PM	4506	0.0	333	0.0	2999	3660	845	1178	55.72	3105	60.1	11.0	37.3	35.6	25.6
2-3 PM	4444	0.0	328	0.0	2999	3364	1080	1408+	64.76	3601	60.5	10.4	37.3	35.6	23.1
3-4 PM	4461	0.0	330	0.0	2999	3273	1189	1518+	70.28	3909	60.4	10.1	37.3	35.6	21.9
4-5 PM	4605	0.0	340	0.0	2999	3328	1276	1616+	75.76	4229	59.4	9.8	37.3	35.5	20.7
5-6 PM	4062	0.0	299	0.0	2999	2739	1323	1623+	77.26	4262	63.1	9.7	37.3	36.0	20.7
6-7 PM	3884	0.0	287	0.0	2999	2643	1241	1528+	71.88	3951	64.3	10.0	37.3	36.2	21.7
7-8 PM	3346	0.0	247	0.0	OFF	3346	0	247	27.64	2428	66.6	17.7	17.7	36.7	36.7
8-9 PM	2595	0.0	192	0.0	OFF	2595	0	192	2.07	178	67.5	55.8	55.8	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	0.0792
DIVERSION	0.3613

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$571,783
CONGESTED HOURS PER DAY*	8

*Delays Exceeding 15 Minutes

IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)
OFF-PEAK DAY 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

