

IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY) CONTINUOUS (24 HOUR) 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	1500	294	0	21	0.51	0	70.2	66.6	44.3	39.5	39.5
1-2 AM	210	0.0	15	0.0	1500	210	0	15	0.50	0	70.2	66.7	44.6	39.6	39.6
2-3 AM	147	0.0	11	0.0	1500	147	0	11	0.49	0	70.2	66.7	44.9	39.6	39.6
3-4 AM	124	0.0	9	0.0	1500	124	0	9	0.49	0	70.2	66.8	45.0	39.6	39.6
4-5 AM	132	0.0	10	0.0	1500	132	0	10	0.49	0	70.2	66.8	45.0	39.6	39.6
5-6 AM	201	0.0	15	0.0	1500	201	0	15	0.50	0	70.2	66.7	44.6	39.6	39.6
6-7 AM	349	0.0	25	0.0	1500	349	0	25	0.52	0	70.2	66.6	44.1	39.4	39.4
7-8 AM	654	0.0	49	0.0	1500	654	0	49	0.55	0	69.9	66.1	42.9	39.1	39.1
8-9 AM	1245	0.0	92	0.0	1499	1245	0	92	0.78	0	69.2	64.0	37.1	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	1499	1297	238	351	37.28	949	68.8	14.2	30.8	38.3	35.4
8-9 PM	1221	0.0	90	0.0	1499	1221	0	90	29.00	734	69.2	17.2	30.8	38.6	38.6
9-10 PM	938	0.0	69	0.0	1499	938	0	69	10.96	312	69.6	32.4	35.8	38.9	38.9
10-11 PM	669	0.0	50	0.0	1500	669	0	50	0.56	0	69.9	66.0	42.8	39.1	39.1
11PM-MID	452	0.0	33	0.0	1500	452	0	33	0.53	0	70.2	66.4	43.7	39.3	39.3

+ 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	0.0408
DIVERSION	0.4536

PIA: Personal Injury Accidents

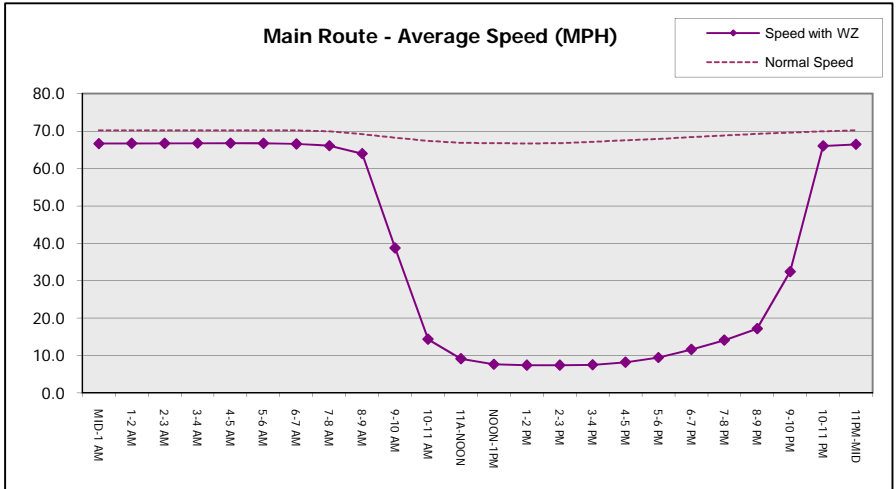
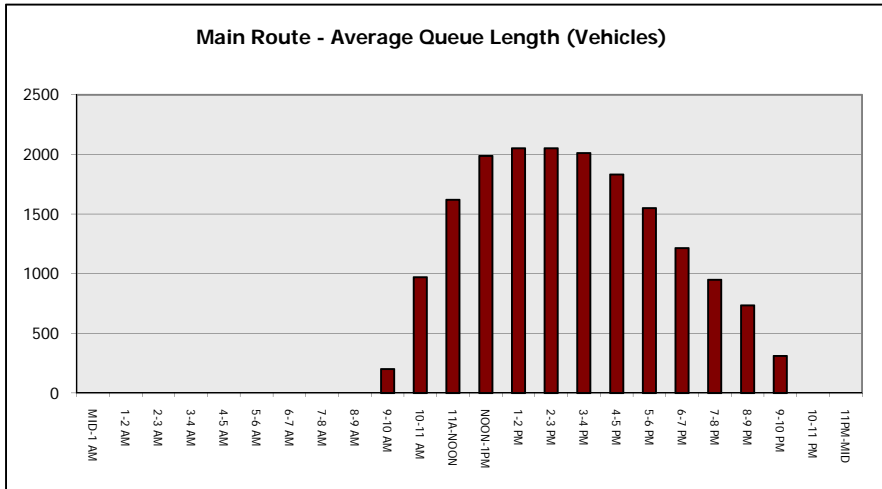
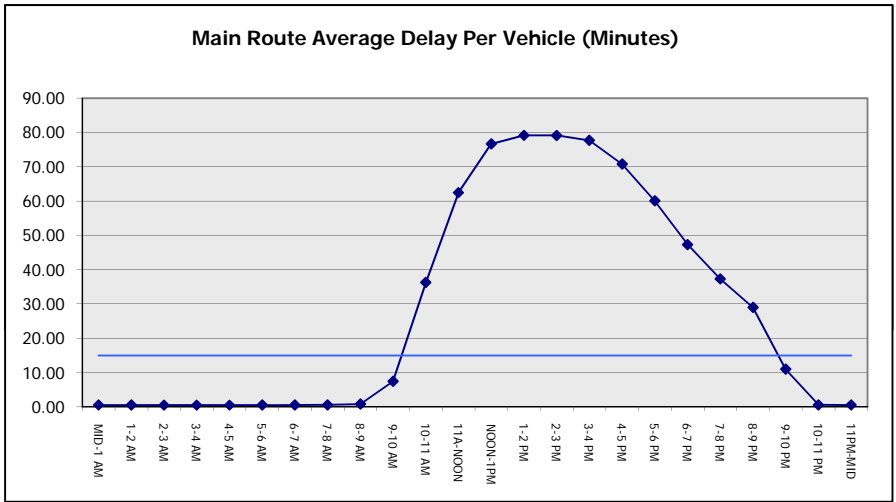
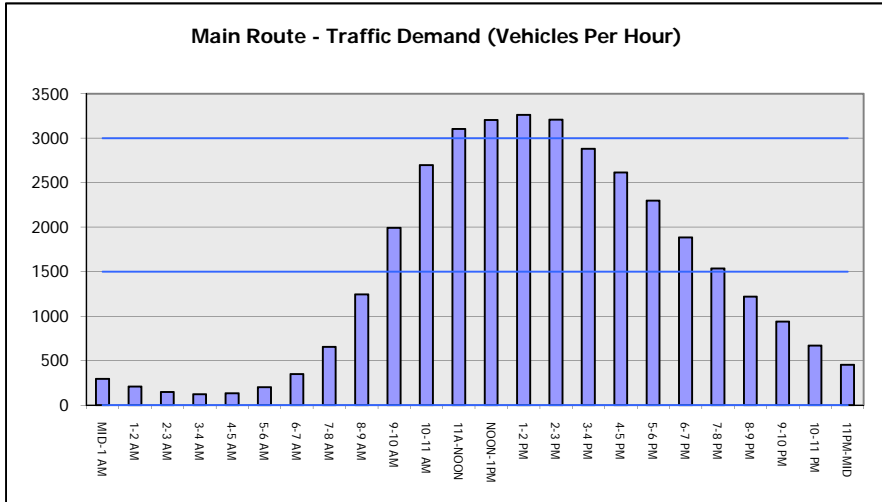
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$588,895
CONGESTED HOURS PER DAY*	11

*Delays Exceeding 15 Minutes

IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)
CONTINUOUS (24 HOUR) 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) CONTINUOUS (24 HOUR) 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	1500	427	0	31	0.52	0	70.2	66.5	43.8	39.4	39.4
1-2 AM	330	0.0	24	0.0	1500	330	0	24	0.51	0	70.2	66.6	44.2	39.4	39.4
2-3 AM	279	0.0	20	0.0	1500	279	0	20	0.51	0	70.2	66.6	44.3	39.5	39.5
3-4 AM	218	0.0	16	0.0	1500	218	0	16	0.50	0	70.2	66.7	44.6	39.6	39.6
4-5 AM	211	0.0	15	0.0	1500	211	0	15	0.50	0	70.2	66.7	44.6	39.6	39.6
5-6 AM	256	0.0	19	0.0	1500	256	0	19	0.50	0	70.2	66.6	44.5	39.5	39.5
6-7 AM	358	0.0	26	0.0	1500	358	0	26	0.52	0	70.2	66.6	44.0	39.4	39.4
7-8 AM	613	0.0	46	0.0	1500	613	0	46	0.55	0	70.0	66.2	43.1	39.2	39.2
8-9 AM	1139	0.0	84	0.0	1499	1139	0	84	0.72	0	69.3	64.5	38.3	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	1499	1647	1699	1946+	77.75	2015	66.6	7.6	30.8	36.7	18.9
8-9 PM	2595	0.0	192	0.0	1499	1215	1380	1572+	72.31	1871	67.5	8.1	30.8	37.4	20.2
9-10 PM	1692	0.0	125	0.0	1499	810	882	1007	51.29	1333	68.6	10.9	30.8	38.2	27.3
10-11 PM	1104	0.0	81	0.0	1499	1035	68	149	30.46	780	69.4	16.6	30.8	38.8	37.9
11PM-MID	665	0.0	49	0.0	1499	665	0	49	5.24	186	69.9	45.1	40.3	39.1	39.1

+ 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	0.0443
DIVERSION	1.0135

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,124,910
CONGESTED HOURS PER DAY*	13

*Delays Exceeding 15 Minutes

IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)
CONTINUOUS (24 HOUR) 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

