

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

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	537	0.0	40	0.0	1500	537	0	40	2.13	62	70.0	57.2	43.0	39.2	39.2
1-2 AM	422	0.0	31	0.0	1500	422	0	31	0.52	0	70.2	66.5	43.8	39.4	39.4
2-3 AM	353	0.0	26	0.0	1500	353	0	26	0.52	0	70.2	66.6	44.1	39.4	39.4
3-4 AM	326	0.0	24	0.0	1500	326	0	24	0.51	0	70.2	66.6	44.2	39.4	39.4
4-5 AM	375	0.0	27	0.0	1500	375	0	27	0.52	0	70.2	66.5	44.0	39.4	39.4
5-6 AM	565	0.0	42	0.0	1500	565	0	42	0.54	0	70.0	66.3	43.3	39.2	39.2
6-7 AM	985	0.0	73	0.0	1499	985	0	73	0.59	0	69.5	65.5	41.7	38.8	38.8
7-8 AM	1498	0.0	111	0.0	1499	1498	0	111	1.55	15	68.9	59.3	32.2	38.4	38.4
8-9 AM	1987	0.0	147	0.0	1500	1987	0	147	10.26	271	68.2	33.3	30.8	37.9	37.9
9-10 AM	2553	0.0	189	0.0	1500	2255	298	487	36.48	963	67.6	14.3	30.8	37.4	33.7
10-11 AM	2958	0.0	218	0.0	1499	1923	1035	1253+	58.76	1522	67.1	9.7	30.8	37.0	24.2
11A-NOON	3166	0.0	233	0.0	1499	1816	1350	1583+	72.77	1886	66.8	8.1	30.8	36.8	20.1
NOON-1PM	3318	0.0	245	0.0	1499	1500	1818	2062+	79.17	2052	66.6	7.5	30.8	36.7	18.6
1-2 PM	3333	0.0	246	0.0	1499	1500	1833	2079+	79.17	2052	66.6	7.5	30.8	36.7	18.6
2-3 PM	3732	0.0	276	0.0	1499	1500	2232	2508+	78.98	2052	65.4	7.5	30.8	36.3	18.6
3-4 PM	4130	0.0	304	0.0	1499	1500	2630	2934+	78.54	2052	62.7	7.5	30.8	36.0	18.6
4-5 PM	4046	0.0	298	0.0	1499	1500	2546	2844+	78.63	2052	63.2	7.5	30.8	36.0	18.6
5-6 PM	3978	0.0	293	0.0	1499	1500	2478	2771+	78.71	2052	63.7	7.5	30.8	36.1	18.6
6-7 PM	4083	0.0	301	0.0	1499	1500	2583	2884+	78.59	2052	63.0	7.5	30.8	36.0	18.6
7-8 PM	3238	0.0	238	0.0	1499	1500	1738	1976+	79.18	2052	66.7	7.5	30.8	36.8	18.6
8-9 PM	2514	0.0	186	0.0	1499	1124	1390	1576+	72.49	1877	67.6	8.1	30.8	37.4	20.2
9-10 PM	2018	0.0	149	0.0	1499	1024	993	1143	55.25	1428	68.2	10.2	30.8	37.9	25.5
10-11 PM	1450	0.0	108	0.0	1499	1129	321	429	38.61	988	68.9	13.8	30.8	38.4	34.4
11PM-MID	1014	0.0	75	0.0	1499	1014	0	75	23.51	605	69.5	20.1	31.2	38.8	38.8

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0929
MAIN ROUTE WITH WORKS	0.0499
DIVERSION	0.8827

PIA: Personal Injury Accidents

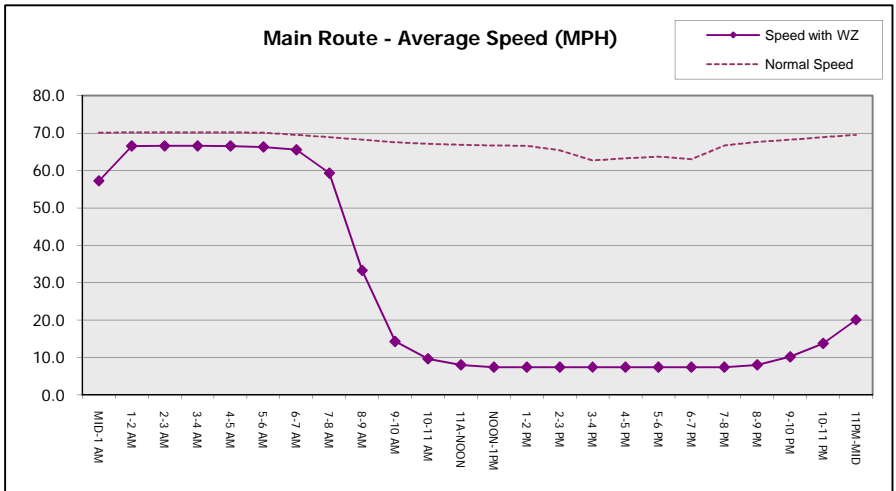
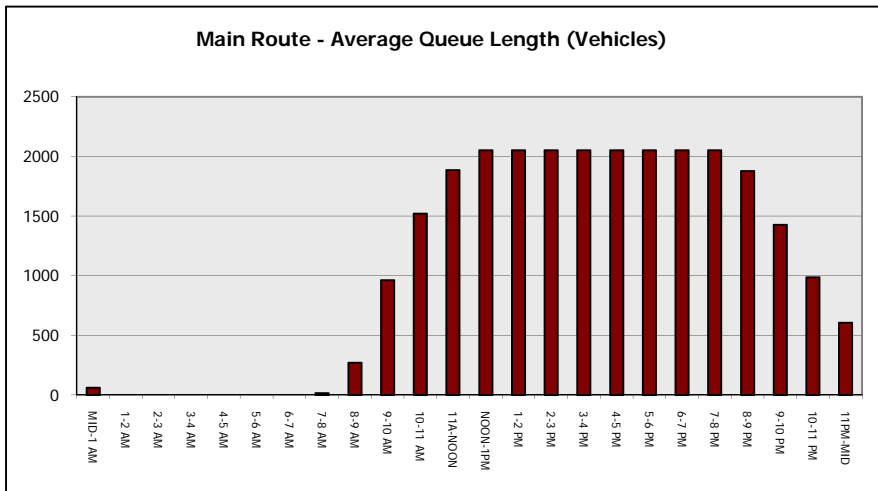
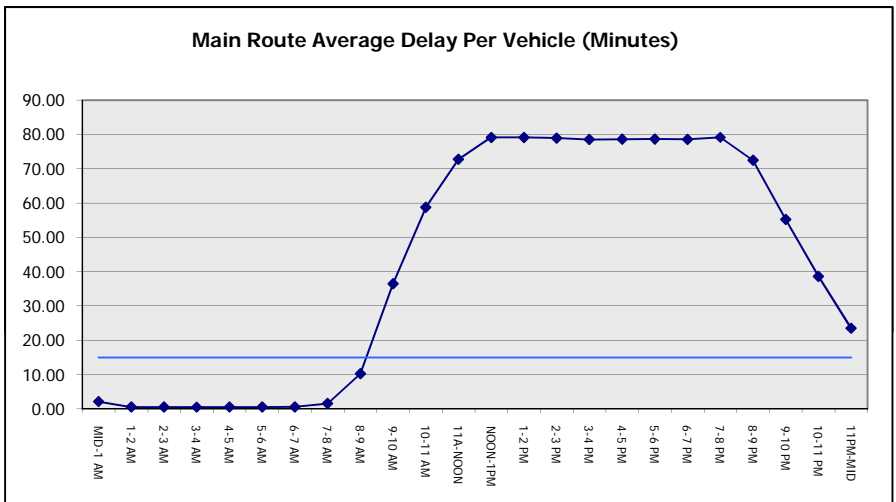
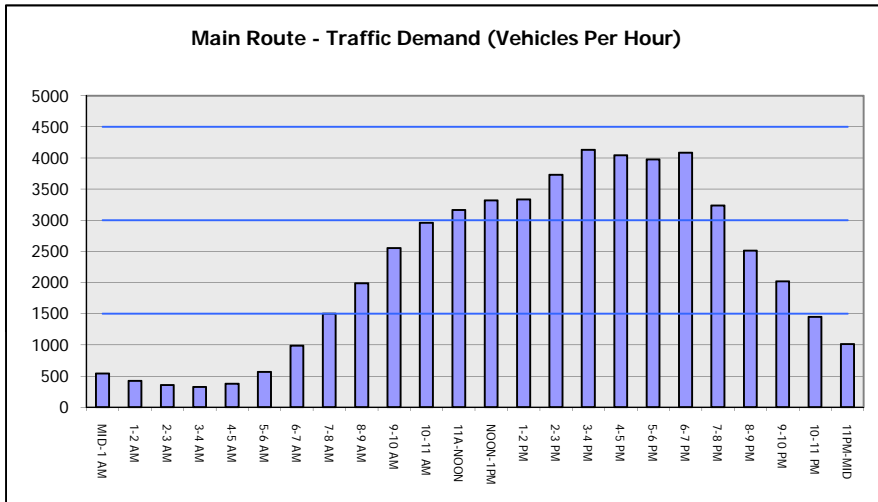
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$880,573
CONGESTED HOURS PER DAY*	15

*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
FRIDAY 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

FRIDAY 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	393	0.0	29	0.0	1500	393	0	29	0.52	0	70.2	66.5	43.9	39.4	39.4
1-2 AM	347	0.0	25	0.0	1500	347	0	25	0.51	0	70.2	66.6	44.1	39.4	39.4
2-3 AM	305	0.0	22	0.0	1500	305	0	22	0.51	0	70.2	66.6	44.3	39.5	39.5
3-4 AM	331	0.0	24	0.0	1500	331	0	24	0.51	0	70.2	66.6	44.2	39.4	39.4
4-5 AM	417	0.0	30	0.0	1500	417	0	30	0.52	0	70.2	66.5	43.8	39.4	39.4
5-6 AM	726	0.0	54	0.0	1500	726	0	54	0.56	0	69.8	66.0	42.7	39.1	39.1
6-7 AM	1093	0.0	81	0.0	1500	1093	0	81	0.60	0	69.4	65.3	41.4	38.8	38.8
7-8 AM	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 AM	1292	0.0	95	0.0	1499	1292	0	95	0.83	0	69.1	63.7	35.8	38.6	38.6
9-10 AM	1573	0.0	116	0.0	1499	1573	0	116	1.80	20	68.8	58.0	30.9	38.3	38.3
10-11 AM	2007	0.0	148	0.0	1500	2007	0	148	11.85	314	68.2	30.8	30.8	37.9	37.9
11A-NOON	2228	0.0	164	0.0	1500	2039	189	353	34.52	895	67.9	15.0	30.8	37.7	35.3
NOON-1PM	2249	0.0	166	0.0	1499	1608	641	807	46.11	1182	67.9	11.9	30.8	37.7	29.7
1-2 PM	2548	0.0	188	0.0	1499	1704	844	1032	51.84	1334	67.6	10.8	30.8	37.4	27.0
2-3 PM	2853	0.0	211	0.0	1499	1752	1100	1311+	60.91	1574	67.2	9.4	30.8	37.1	23.5
3-4 PM	2783	0.0	205	0.0	1499	1539	1244	1449+	66.49	1717	67.3	8.7	30.8	37.2	21.7
4-5 PM	2725	0.0	201	0.0	1499	1471	1254	1455+	66.76	1724	67.4	8.7	30.8	37.3	21.7
5-6 PM	2480	0.0	183	0.0	1499	1310	1170	1353+	62.56	1615	67.6	9.2	30.8	37.4	22.9
6-7 PM	2125	0.0	157	0.0	1499	1212	913	1070	53.02	1365	68.1	10.6	30.8	37.8	26.5
7-8 PM	1836	0.0	136	0.0	1499	1290	547	683	43.41	1111	68.4	12.5	30.8	38.1	31.2
8-9 PM	1618	0.0	120	0.0	1499	1379	240	359	37.40	951	68.7	14.2	30.8	38.3	35.3
9-10 PM	1338	0.0	98	0.0	1499	1321	17	115	32.26	817	69.1	15.9	30.8	38.5	38.3
10-11 PM	1017	0.0	75	0.0	1499	1017	0	75	18.91	492	69.5	23.3	32.1	38.8	38.8
11PM-MID	690	0.0	51	0.0	1500	690	0	51	1.56	36	69.9	60.1	42.6	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	0.0640
MAIN ROUTE WITH WORKS	0.0477
DIVERSION	0.3524

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$367,214
CONGESTED HOURS PER DAY*	12

*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
FRIDAY EASTBOUND DIRECTION

