

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	MAY
	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	430	0.0	31	0.0	1500	430	0	32	0.53	0	70.2	66.4	43.8	39.4	39.4
1-2 AM	327	0.0	24	0.0	1500	327	0	24	0.51	0	70.2	66.6	44.2	39.4	39.4
2-3 AM	308	0.0	22	0.0	1500	308	0	22	0.51	0	70.2	66.6	44.3	39.5	39.5
3-4 AM	284	0.0	21	0.0	1500	284	0	21	0.51	0	70.2	66.6	44.3	39.5	39.5
4-5 AM	366	0.0	27	0.0	1500	366	0	27	0.52	0	70.2	66.6	44.0	39.4	39.4
5-6 AM	592	0.0	44	0.0	1500	592	0	44	0.54	0	70.0	66.2	43.2	39.2	39.2
6-7 AM	1001	0.0	74	0.0	1499	1001	0	74	0.59	0	69.5	65.5	41.7	38.8	38.8
7-8 AM	1550	0.0	115	0.0	1499	1550	0	115	1.72	18	68.8	58.4	31.3	38.3	38.3
8-9 AM	1780	0.0	131	0.0	1500	1780	0	131	8.20	198	68.5	37.1	30.8	38.1	38.1
9-10 AM	2042	0.0	151	0.0	1500	2042	0	151	23.38	609	68.2	20.1	30.8	37.9	37.9
10-11 AM	2249	0.0	166	0.0	1500	1808	441	608	41.80	1073	67.9	12.9	30.8	37.7	32.2
11A-NOON	2430	0.0	180	0.0	1500	1649	781	961	49.90	1282	67.7	11.1	30.8	37.5	27.8
NOON-1PM	2501	0.0	185	0.0	1500	1584	917	1102	53.90	1387	67.6	10.4	30.8	37.4	26.1
1-2 PM	2843	0.0	210	0.0	1500	1758	1085	1295+	60.30	1558	67.2	9.5	30.8	37.1	23.7
2-3 PM	3222	0.0	237	0.0	1500	1881	1341	1579+	72.52	1881	66.8	8.1	30.8	36.8	20.1
3-4 PM	3474	0.0	257	0.0	1500	1500	1974	2231+	79.14	2052	66.4	7.5	30.8	36.6	18.6
4-5 PM	3739	0.0	276	0.0	1500	1500	2239	2515+	78.97	2052	65.3	7.5	30.8	36.3	18.6
5-6 PM	3794	0.0	280	0.0	1500	1500	2294	2574+	78.91	2052	65.0	7.5	30.8	36.3	18.6
6-7 PM	3530	0.0	261	0.0	1500	1500	2030	2291+	79.13	2052	66.3	7.5	30.8	36.5	18.6
7-8 PM	3003	0.0	221	0.0	1500	1398	1604	1825+	78.25	2027	67.0	7.6	30.8	37.0	18.8
8-9 PM	2260	0.0	166	0.0	1500	978	1282	1448+	66.56	1726	67.9	8.7	30.8	37.7	21.7
9-10 PM	1747	0.0	129	0.0	1500	1039	708	837	46.89	1209	68.6	11.7	30.8	38.1	29.4
10-11 PM	1248	0.0	92	0.0	1500	1164	84	176	32.55	829	69.2	15.8	30.8	38.6	37.6
11PM-MID	856	0.0	63	0.0	1499	856	0	63	12.21	357	69.7	30.6	36.1	38.9	38.9

+ 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	0.0805
MAIN ROUTE WITH WORKS	0.0490
DIVERSION	0.6556

PIA: Personal Injury Accidents

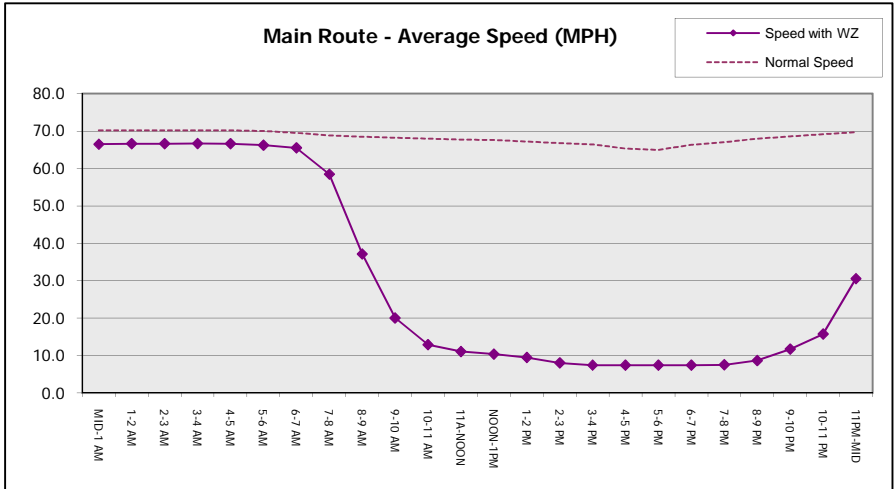
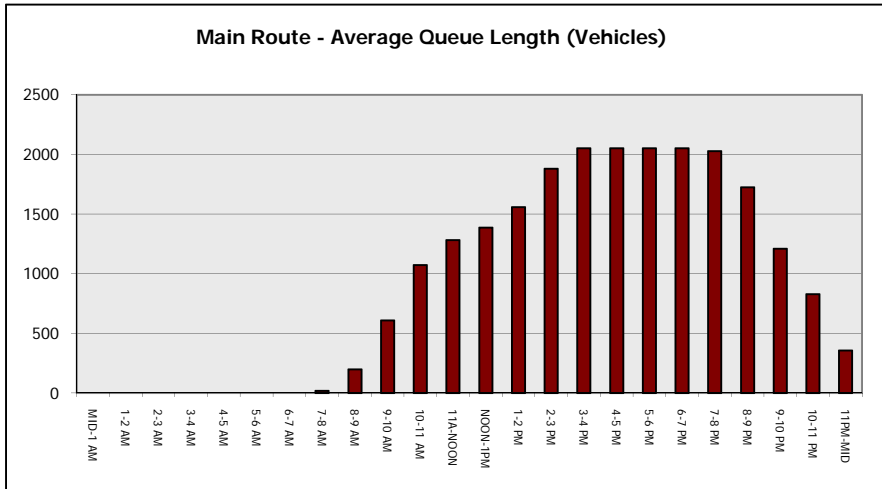
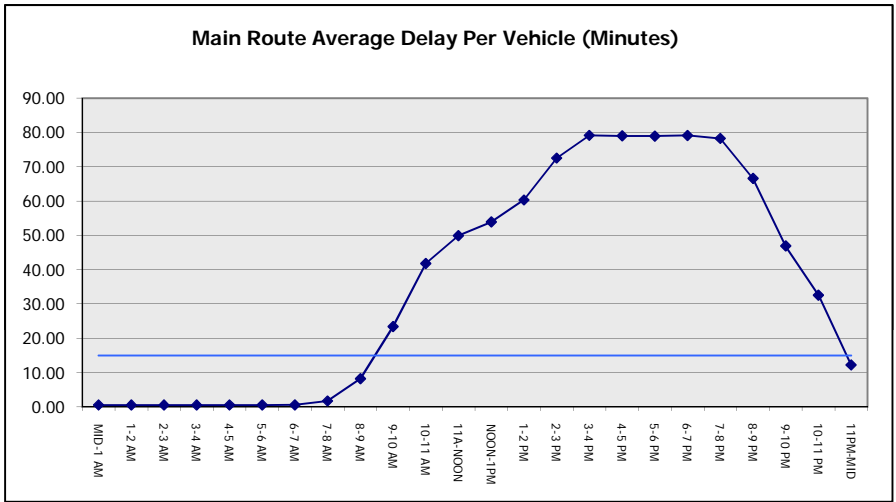
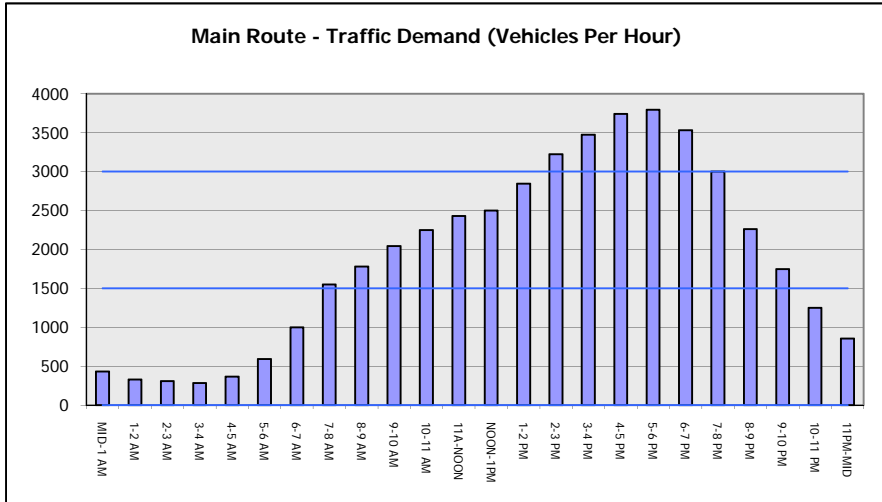
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$664,723
CONGESTED HOURS PER DAY*	14

*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

MAY
 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	MAY
	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						
	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	336	0.0	24	0.0	1500	336	0	24	0.51	0	70.2	66.6	44.2	39.4	39.4
1-2 AM	281	0.0	20	0.0	1500	281	0	20	0.51	0	70.2	66.6	44.3	39.5	39.5
2-3 AM	280	0.0	20	0.0	1500	280	0	20	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	391	0.0	28	0.0	1500	391	0	28	0.52	0	70.2	66.5	43.9	39.4	39.4
5-6 AM	705	0.0	52	0.0	1500	705	0	52	0.56	0	69.9	66.0	42.7	39.1	39.1
6-7 AM	1091	0.0	80	0.0	1500	1091	0	80	0.60	0	69.4	65.3	41.4	38.8	38.8
7-8 AM	1209	0.0	89	0.0	1500	1209	0	89	0.72	0	69.2	64.4	38.1	38.6	38.6
8-9 AM	1202	0.0	88	0.0	1500	1202	0	88	0.71	0	69.2	64.5	38.4	38.6	38.6
9-10 AM	1365	0.0	100	0.0	1499	1365	0	100	0.92	0	69.1	63.0	33.8	38.5	38.5
10-11 AM	1601	0.0	118	0.0	1499	1601	0	118	2.53	39	68.7	54.5	30.8	38.3	38.3
11A-NOON	1705	0.0	126	0.0	1500	1705	0	126	8.30	195	68.6	36.9	30.8	38.2	38.2
NOON-1PM	1842	0.0	136	0.0	1500	1842	0	136	18.45	467	68.4	23.6	30.8	38.1	38.1
1-2 PM	1988	0.0	147	0.0	1500	1886	102	249	33.23	851	68.2	15.5	30.8	37.9	36.6
2-3 PM	2273	0.0	167	0.0	1499	1698	575	742	44.61	1144	67.9	12.2	30.8	37.7	30.6
3-4 PM	2261	0.0	167	0.0	1499	1524	738	905	48.49	1244	67.9	11.4	30.8	37.7	28.5
4-5 PM	2308	0.0	170	0.0	1499	1528	780	950	49.64	1274	67.9	11.2	30.8	37.6	27.9
5-6 PM	2174	0.0	160	0.0	1499	1419	755	916	48.76	1251	68.1	11.4	30.8	37.8	28.4
6-7 PM	1822	0.0	135	0.0	1499	1299	523	658	42.89	1097	68.5	12.7	30.8	38.1	31.5
7-8 PM	1603	0.0	119	0.0	1499	1385	218	337	37.03	941	68.7	14.2	30.8	38.3	35.6
8-9 PM	1364	0.0	100	0.0	1499	1352	12	113	32.44	821	69.1	15.8	30.8	38.5	38.3
9-10 PM	1198	0.0	88	0.0	1499	1198	0	88	23.83	601	69.2	19.9	30.8	38.6	38.6
10-11 PM	887	0.0	66	0.0	1499	887	0	66	5.42	172	69.6	44.4	38.3	38.9	38.9
11PM-MID	541	0.0	40	0.0	1500	541	0	40	0.54	0	70.0	66.3	43.3	39.2	39.2

----- 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	0.0543
MAIN ROUTE WITH WORKS	0.0460
DIVERSION	0.1942

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$205,644
CONGESTED HOURS PER DAY*	10

*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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

