

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	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	547	0.0	41	0.0	OFF	547	0	41	0.00	0	70.0	70.0	70.0	39.2	39.2
1-2 AM	377	0.0	27	0.0	OFF	377	0	27	0.00	0	70.2	70.2	70.2	39.4	39.4
2-3 AM	276	0.0	20	0.0	OFF	276	0	20	0.00	0	70.2	70.2	70.2	39.5	39.5
3-4 AM	274	0.0	20	0.0	OFF	274	0	20	0.00	0	70.2	70.2	70.2	39.5	39.5
4-5 AM	302	0.0	22	0.0	OFF	302	0	22	0.00	0	70.2	70.2	70.2	39.5	39.5
5-6 AM	485	0.0	36	0.0	OFF	485	0	36	0.00	0	70.1	70.1	70.1	39.3	39.3
6-7 AM	875	0.0	65	0.0	OFF	875	0	65	0.00	0	69.7	69.7	69.7	38.9	38.9
7-8 AM	1498	0.0	111	0.0	OFF	1498	0	111	0.00	0	68.9	68.9	68.9	38.4	38.4
8-9 AM	2061	0.0	152	0.0	1499	2061	0	152	9.07	249	68.2	35.3	30.8	37.9	37.9
9-10 AM	2471	0.0	183	0.0	1500	2192	280	462	36.26	952	67.7	14.4	30.8	37.4	34.0
10-11 AM	2639	0.0	195	0.0	1499	1736	903	1098	53.76	1385	67.4	10.4	30.8	37.3	26.1
11A-NOON	2589	0.0	191	0.0	1499	1530	1059	1250+	58.73	1513	67.5	9.7	30.8	37.4	24.2
NOON-1PM	2408	0.0	178	0.0	1499	1389	1019	1196	56.93	1466	67.8	10.0	30.8	37.5	24.9
1-2 PM	2261	0.0	167	0.0	1499	1380	881	1049	52.38	1346	67.9	10.7	30.8	37.7	26.7
2-3 PM	2150	0.0	158	0.0	1499	1405	746	904	48.47	1243	68.1	11.4	30.8	37.8	28.5
3-4 PM	1896	0.0	140	0.0	1499	1348	548	688	43.52	1113	68.4	12.5	30.8	38.0	31.2
4-5 PM	1735	0.0	128	0.0	1499	1409	327	455	39.01	994	68.6	13.7	30.8	38.1	34.1
5-6 PM	1555	0.0	115	0.0	1499	1414	141	256	35.75	908	68.8	14.7	30.8	38.3	36.6
6-7 PM	1295	0.0	95	0.0	OFF	1295	0	95	0.94	79	69.1	63.0	63.0	38.6	38.6
7-8 PM	1071	0.0	79	0.0	OFF	1071	0	79	0.00	0	69.4	69.4	69.4	38.8	38.8
8-9 PM	829	0.0	61	0.0	OFF	829	0	61	0.00	0	69.7	69.7	69.7	39.0	39.0
9-10 PM	702	0.0	52	0.0	OFF	702	0	52	0.00	0	69.9	69.9	69.9	39.1	39.1
10-11 PM	568	0.0	42	0.0	OFF	568	0	42	0.00	0	70.0	70.0	70.0	39.2	39.2
11PM-MID	383	0.0	28	0.0	OFF	383	0	28	0.00	0	70.2	70.2	70.2	39.4	39.4

"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	0.0552
MAIN ROUTE WITH WORKS	0.0437
DIVERSION	0.2671

PIA: Personal Injury Accidents

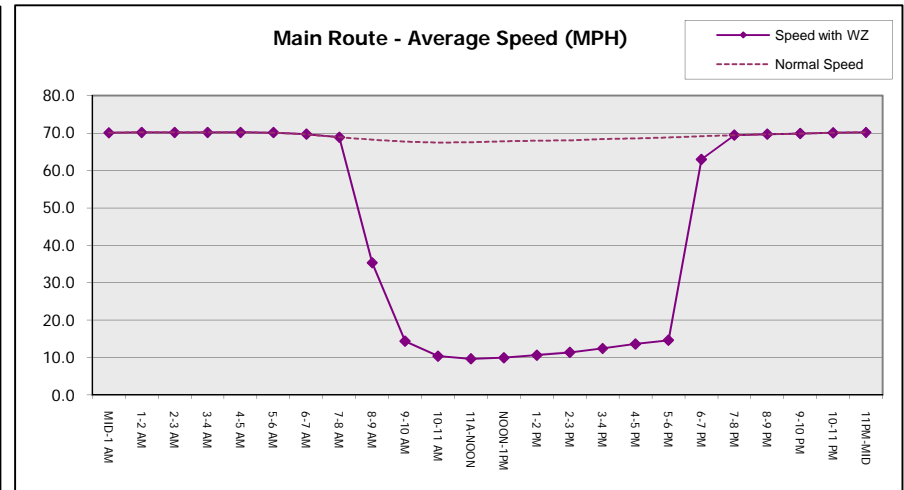
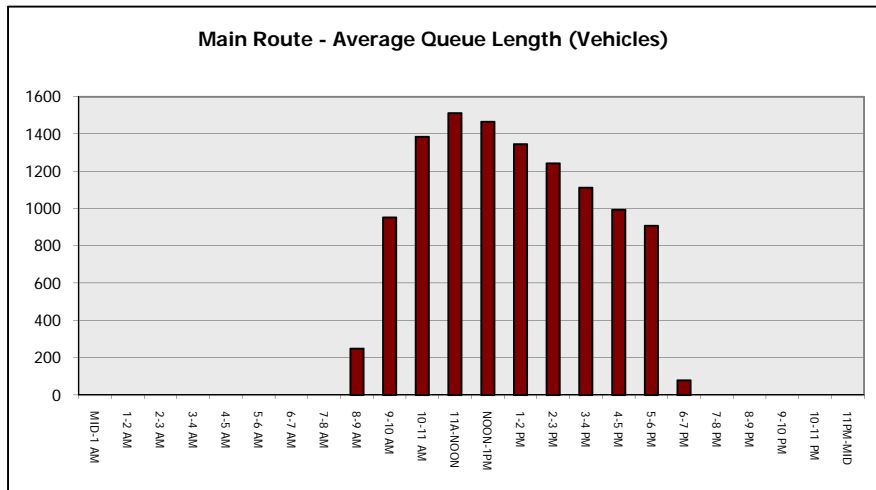
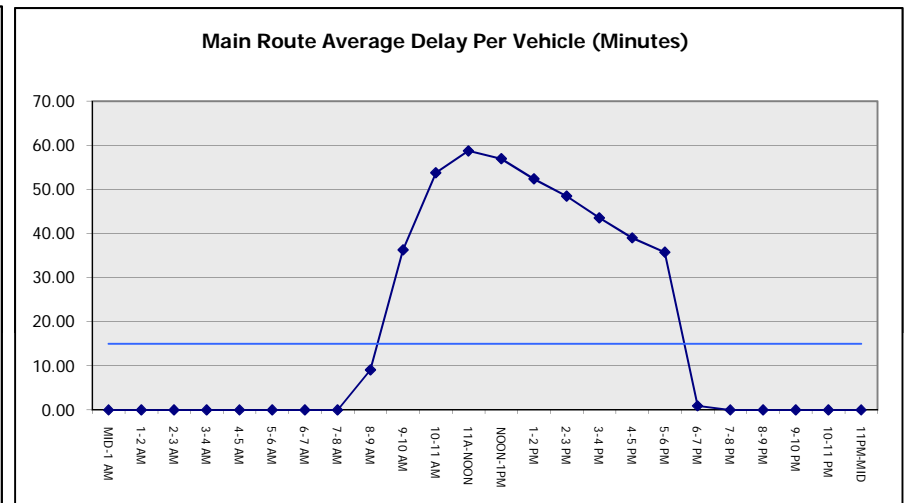
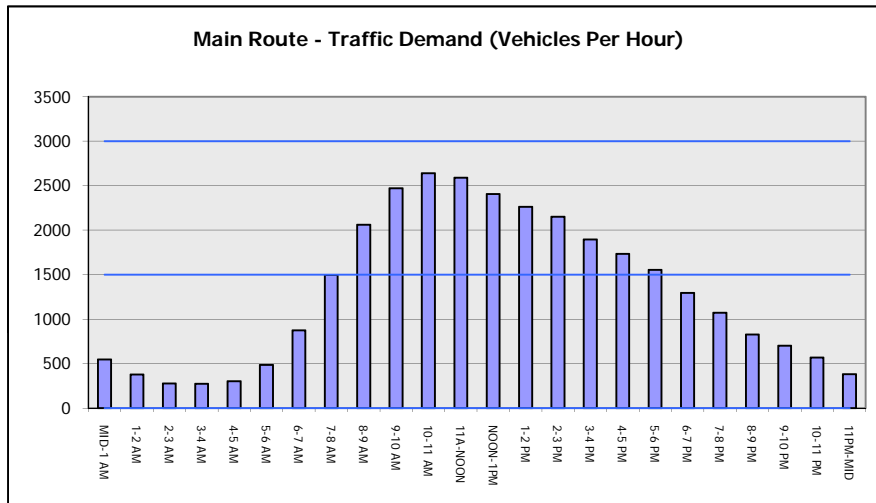
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$289,815
CONGESTED HOURS PER DAY*	9

*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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY 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	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	378	0.0	27	0.0	OFF	378	0	27	0.00	0	70.2	70.2	70.2	39.4	39.4
1-2 AM	279	0.0	20	0.0	OFF	279	0	20	0.00	0	70.2	70.2	70.2	39.5	39.5
2-3 AM	276	0.0	20	0.0	OFF	276	0	20	0.00	0	70.2	70.2	70.2	39.5	39.5
3-4 AM	287	0.0	21	0.0	OFF	287	0	21	0.00	0	70.2	70.2	70.2	39.5	39.5
4-5 AM	269	0.0	20	0.0	OFF	269	0	20	0.00	0	70.2	70.2	70.2	39.5	39.5
5-6 AM	331	0.0	24	0.0	OFF	331	0	24	0.00	0	70.2	70.2	70.2	39.4	39.4
6-7 AM	498	0.0	37	0.0	OFF	498	0	37	0.00	0	70.1	70.1	70.1	39.3	39.3
7-8 AM	744	0.0	55	0.0	OFF	744	0	55	0.00	0	69.8	69.8	69.8	39.1	39.1
8-9 AM	1084	0.0	80	0.0	1499	1084	0	80	0.63	0	69.4	65.1	40.6	38.8	38.8
9-10 AM	1422	0.0	105	0.0	1499	1422	0	105	1.02	0	69.0	62.3	32.7	38.4	38.4
10-11 AM	1763	0.0	130	0.0	1500	1763	0	130	5.23	120	68.6	44.6	30.8	38.1	38.1
11A-NOON	1888	0.0	139	0.0	1500	1888	0	139	17.92	457	68.4	24.1	30.8	38.0	38.0
NOON-1PM	1862	0.0	137	0.0	1499	1811	51	188	32.25	822	68.4	15.8	30.8	38.1	37.4
1-2 PM	1882	0.0	139	0.0	1499	1553	328	467	39.21	999	68.4	13.6	30.8	38.0	34.0
2-3 PM	1845	0.0	136	0.0	1499	1486	358	494	39.71	1012	68.4	13.5	30.8	38.1	33.6
3-4 PM	1809	0.0	134	0.0	1499	1480	328	462	39.13	997	68.5	13.6	30.8	38.1	34.0
4-5 PM	1702	0.0	126	0.0	1499	1448	254	380	37.72	959	68.6	14.0	30.8	38.2	35.0
5-6 PM	1562	0.0	116	0.0	1499	1435	126	242	35.54	902	68.8	14.7	30.8	38.3	36.8
6-7 PM	1353	0.0	99	0.0	OFF	1353	0	99	0.96	81	69.1	62.8	62.8	38.5	38.5
7-8 PM	1201	0.0	88	0.0	OFF	1201	0	88	0.00	0	69.2	69.2	69.2	38.6	38.6
8-9 PM	1075	0.0	79	0.0	OFF	1075	0	79	0.00	0	69.4	69.4	69.4	38.8	38.8
9-10 PM	901	0.0	67	0.0	OFF	901	0	67	0.00	0	69.6	69.6	69.6	38.9	38.9
10-11 PM	748	0.0	55	0.0	OFF	748	0	55	0.00	0	69.8	69.8	69.8	39.1	39.1
11PM-MID	489	0.0	37	0.0	OFF	489	0	37	0.00	0	70.1	70.1	70.1	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	0.0453
MAIN ROUTE WITH WORKS	0.0417
DIVERSION	0.1086

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$132,829
CONGESTED HOURS PER DAY*	7

*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

MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

