

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	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	411	0.0	30	0.0	OFF	411	0	30	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	268	0.0	20	0.0	OFF	268	0	20	0.00	0	70.2	70.2	70.2	39.5	39.5
3-4 AM	268	0.0	20	0.0	OFF	268	0	20	0.00	0	70.2	70.2	70.2	39.5	39.5
4-5 AM	308	0.0	22	0.0	OFF	308	0	22	0.00	0	70.2	70.2	70.2	39.5	39.5
5-6 AM	479	0.0	36	0.0	OFF	479	0	36	0.00	0	70.1	70.1	70.1	39.3	39.3
6-7 AM	843	0.0	62	0.0	OFF	843	0	62	0.00	0	69.7	69.7	69.7	39.0	39.0
7-8 AM	1289	0.0	95	0.0	OFF	1289	0	95	0.00	0	69.1	69.1	69.1	38.6	38.6
8-9 AM	1523	0.0	113	0.0	OFF	1523	0	113	0.00	0	68.9	68.9	68.9	38.3	38.3
9-10 AM	1758	0.0	130	0.0	1499	1758	0	130	5.15	117	68.6	44.8	30.8	38.1	38.1
10-11 AM	1884	0.0	139	0.0	1500	1884	0	139	17.37	442	68.4	24.5	30.8	38.0	38.0
11A-NOON	1996	0.0	147	0.0	1500	1885	111	258	33.49	858	68.2	15.4	30.8	37.9	36.5
NOON-1PM	2002	0.0	148	0.0	1499	1560	442	590	41.49	1059	68.2	13.0	30.8	37.9	32.4
1-2 PM	2141	0.0	158	0.0	1499	1579	562	720	44.16	1130	68.1	12.4	30.8	37.8	30.8
2-3 PM	2160	0.0	159	0.0	1499	1525	635	795	45.82	1173	68.1	12.0	30.8	37.8	29.9
3-4 PM	2372	0.0	175	0.0	1499	1622	750	925	48.96	1257	67.8	11.3	30.8	37.6	28.3
4-5 PM	2335	0.0	172	0.0	OFF	2335	0	172	2.63	235	67.8	53.5	53.5	37.6	37.6
5-6 PM	2138	0.0	157	0.0	OFF	2138	0	157	0.00	0	68.1	68.1	68.1	37.8	37.8
6-7 PM	1608	0.0	119	0.0	OFF	1608	0	119	0.00	0	68.7	68.7	68.7	38.3	38.3
7-8 PM	1300	0.0	95	0.0	OFF	1300	0	95	0.00	0	69.1	69.1	69.1	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	872	0.0	64	0.0	OFF	872	0	64	0.00	0	69.7	69.7	69.7	38.9	38.9
10-11 PM	675	0.0	50	0.0	OFF	675	0	50	0.00	0	69.9	69.9	69.9	39.1	39.1
11PM-MID	548	0.0	41	0.0	OFF	548	0	41	0.00	0	70.0	70.0	70.0	39.2	39.2

"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	0.0540
MAIN ROUTE WITH WORKS	0.0488
DIVERSION	0.1548

PIA: Personal Injury Accidents

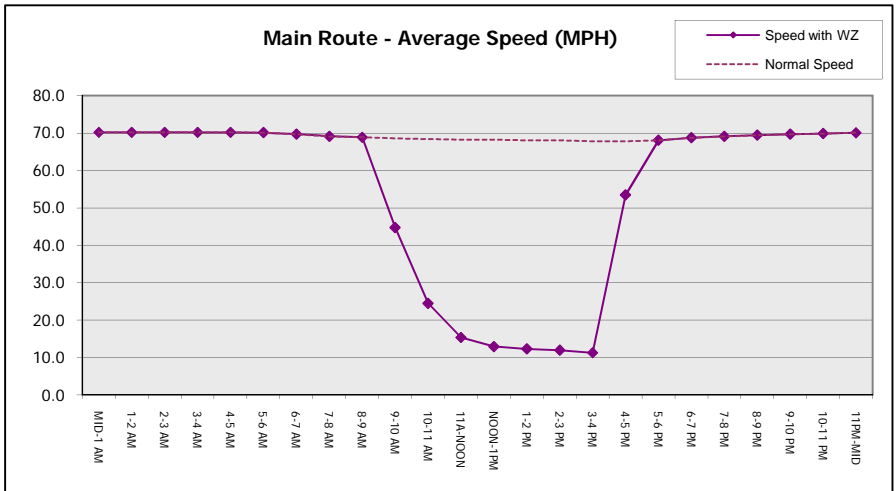
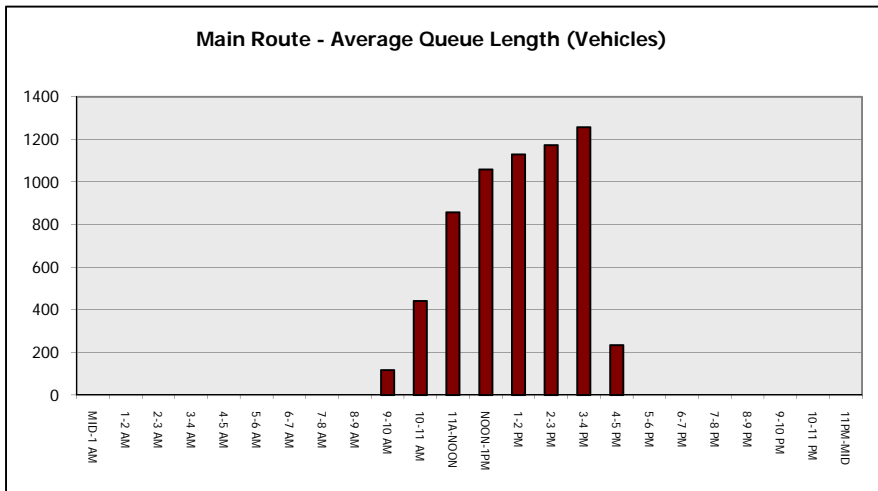
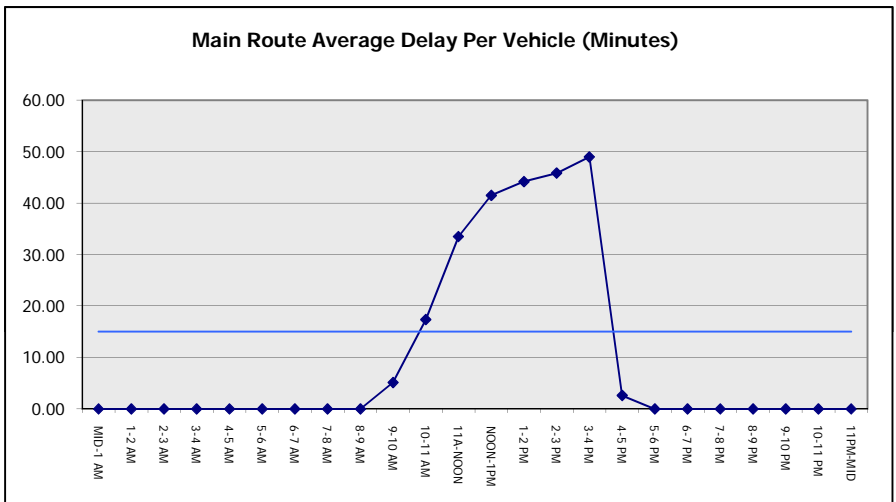
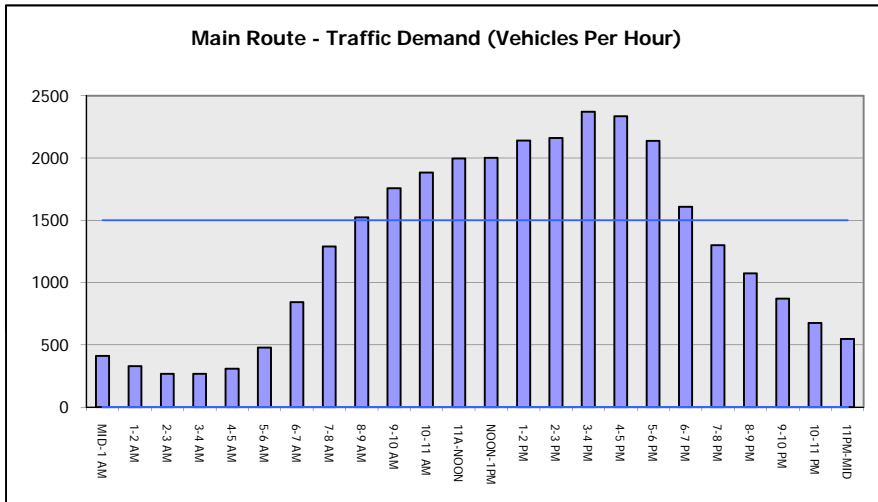
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$114,294
CONGESTED HOURS PER DAY*	6

*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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	364	0.0	27	0.0	OFF	364	0	27	0.00	0	70.2	70.2	70.2	39.4	39.4
1-2 AM	291	0.0	21	0.0	OFF	291	0	21	0.00	0	70.2	70.2	70.2	39.5	39.5
2-3 AM	278	0.0	20	0.0	OFF	278	0	20	0.00	0	70.2	70.2	70.2	39.5	39.5
3-4 AM	307	0.0	22	0.0	OFF	307	0	22	0.00	0	70.2	70.2	70.2	39.5	39.5
4-5 AM	421	0.0	31	0.0	OFF	421	0	31	0.00	0	70.2	70.2	70.2	39.4	39.4
5-6 AM	785	0.0	58	0.0	OFF	785	0	58	0.00	0	69.7	69.7	69.7	39.0	39.0
6-7 AM	1173	0.0	86	0.0	OFF	1173	0	86	0.00	0	69.3	69.3	69.3	38.7	38.7
7-8 AM	1319	0.0	97	0.0	OFF	1319	0	97	0.00	0	69.1	69.1	69.1	38.6	38.6
8-9 AM	1295	0.0	95	0.0	OFF	1295	0	95	0.00	0	69.1	69.1	69.1	38.6	38.6
9-10 AM	1528	0.0	113	0.0	1499	1528	0	113	1.49	11	68.8	59.7	31.2	38.3	38.3
10-11 AM	1804	0.0	133	0.0	1500	1804	0	133	7.51	182	68.5	38.6	30.8	38.1	38.1
11A-NOON	2002	0.0	148	0.0	1500	2002	0	148	22.87	593	68.2	20.4	30.8	37.9	37.9
NOON-1PM	2010	0.0	149	0.0	1500	1722	288	437	38.66	987	68.2	13.7	30.8	37.9	34.3
1-2 PM	2137	0.0	157	0.0	1500	1590	547	704	43.81	1121	68.1	12.4	30.8	37.8	31.0
2-3 PM	2218	0.0	163	0.0	1500	1556	663	826	46.55	1193	68.0	11.8	30.8	37.7	29.5
3-4 PM	2243	0.0	165	0.0	1500	1523	720	886	48.00	1231	67.9	11.5	30.8	37.7	28.8
4-5 PM	2256	0.0	166	0.0	OFF	2256	0	166	2.29	205	67.9	55.1	55.1	37.7	37.7
5-6 PM	2052	0.0	151	0.0	OFF	2052	0	151	0.00	0	68.2	68.2	68.2	37.9	37.9
6-7 PM	1688	0.0	125	0.0	OFF	1688	0	125	0.00	0	68.6	68.6	68.6	38.2	38.2
7-8 PM	1414	0.0	105	0.0	OFF	1414	0	105	0.00	0	69.0	69.0	69.0	38.4	38.4
8-9 PM	1167	0.0	86	0.0	OFF	1167	0	86	0.00	0	69.3	69.3	69.3	38.7	38.7
9-10 PM	964	0.0	71	0.0	OFF	964	0	71	0.00	0	69.6	69.6	69.6	38.9	38.9
10-11 PM	735	0.0	54	0.0	OFF	735	0	54	0.00	0	69.8	69.8	69.8	39.1	39.1
11PM-MID	515	0.0	38	0.0	OFF	515	0	38	0.00	0	70.1	70.1	70.1	39.2	39.2

"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	0.0547
MAIN ROUTE WITH WORKS	0.0500
DIVERSION	0.1465

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$101,127
CONGESTED HOURS PER DAY*	5

*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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

