

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	OCTOBER
	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	247	0.0	18	0.0	OFF	247	0	18	0.00	0	70.2	70.2	70.2	39.5	39.5
1-2 AM	188	0.0	14	0.0	OFF	188	0	14	0.00	0	70.2	70.2	70.2	39.6	39.6
2-3 AM	134	0.0	10	0.0	OFF	134	0	10	0.00	0	70.2	70.2	70.2	39.6	39.6
3-4 AM	129	0.0	9	0.0	OFF	129	0	9	0.00	0	70.2	70.2	70.2	39.6	39.6
4-5 AM	131	0.0	10	0.0	OFF	131	0	10	0.00	0	70.2	70.2	70.2	39.6	39.6
5-6 AM	205	0.0	15	0.0	OFF	205	0	15	0.00	0	70.2	70.2	70.2	39.6	39.6
6-7 AM	306	0.0	22	0.0	OFF	306	0	22	0.00	0	70.2	70.2	70.2	39.5	39.5
7-8 AM	556	0.0	41	0.0	OFF	556	0	41	0.00	0	70.0	70.0	70.0	39.2	39.2
8-9 AM	913	0.0	67	0.0	OFF	913	0	67	0.00	0	69.6	69.6	69.6	38.9	38.9
9-10 AM	1376	0.0	101	0.0	1499	1376	0	101	0.93	0	69.0	62.9	33.8	38.5	38.5
10-11 AM	1823	0.0	135	0.0	1499	1823	0	135	5.71	138	68.5	43.1	30.8	38.1	38.1
11A-NOON	2120	0.0	156	0.0	1500	2111	9	165	23.49	620	68.1	20.0	30.8	37.8	37.7
NOON-1PM	2214	0.0	163	0.0	1500	1750	465	628	42.21	1082	68.0	12.8	30.8	37.7	31.9
1-2 PM	2310	0.0	170	0.0	1500	1590	720	890	48.10	1234	67.9	11.5	30.8	37.6	28.7
2-3 PM	2303	0.0	170	0.0	1500	1511	792	962	49.95	1282	67.9	11.1	30.8	37.6	27.8
3-4 PM	2241	0.0	165	0.0	1500	1465	776	942	49.43	1268	67.9	11.2	30.8	37.7	28.1
4-5 PM	2159	0.0	159	0.0	1500	1441	718	877	47.79	1225	68.1	11.6	30.8	37.8	28.9
5-6 PM	1901	0.0	140	0.0	1500	1347	554	694	43.65	1117	68.4	12.5	30.8	38.0	31.1
6-7 PM	1552	0.0	115	0.0	1500	1324	228	343	37.14	945	68.8	14.2	30.8	38.3	35.5
7-8 PM	1237	0.0	91	0.0	OFF	1237	0	91	0.93	77	69.2	63.1	63.1	38.6	38.6
8-9 PM	909	0.0	67	0.0	OFF	909	0	67	0.00	0	69.6	69.6	69.6	38.9	38.9
9-10 PM	658	0.0	49	0.0	OFF	658	0	49	0.00	0	69.9	69.9	69.9	39.1	39.1
10-11 PM	478	0.0	35	0.0	OFF	478	0	35	0.00	0	70.1	70.1	70.1	39.3	39.3
11PM-MID	336	0.0	24	0.0	OFF	336	0	24	0.00	0	70.2	70.2	70.2	39.4	39.4

"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	0.0467
MAIN ROUTE WITH WORKS	0.0381
DIVERSION	0.2021

PIA: Personal Injury Accidents

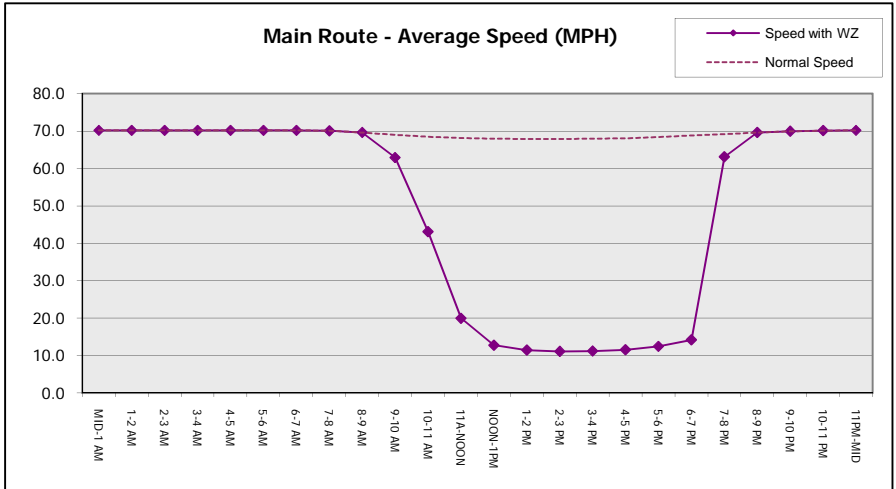
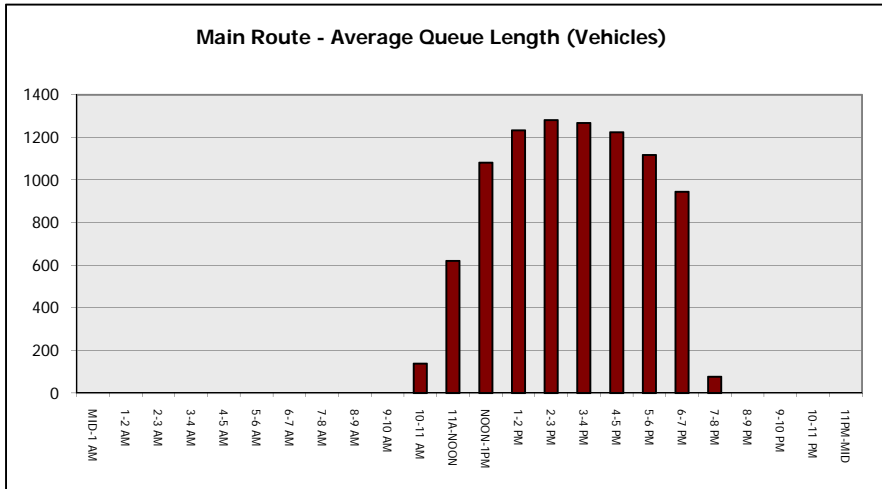
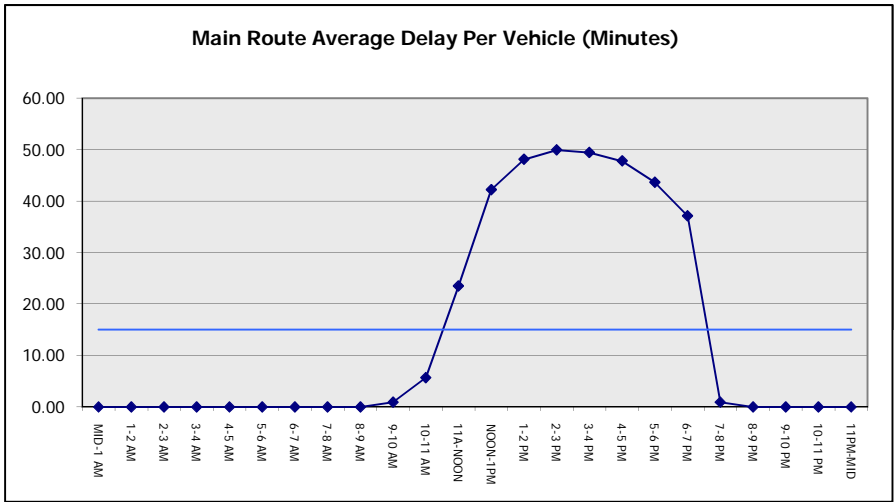
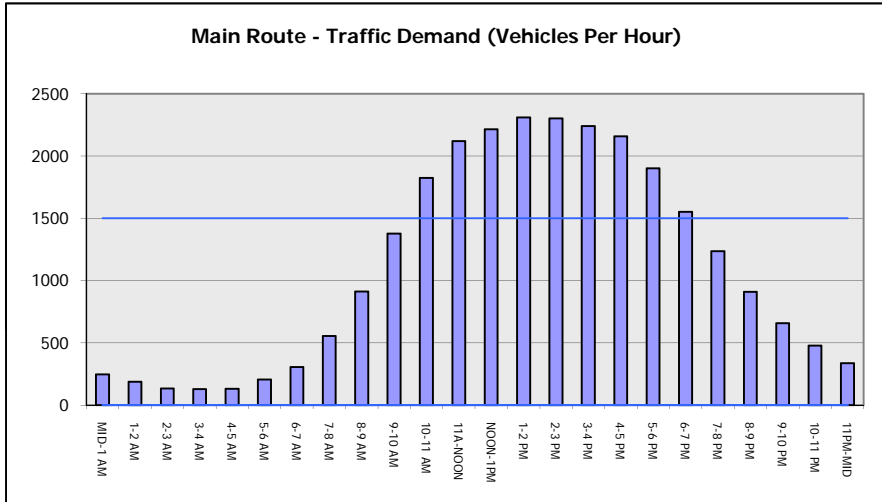
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$230,238
CONGESTED HOURS PER DAY*	8

*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

OCTOBER
 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) OFF-PEAK DAY 2 LANE CLOSURE DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39	OCTOBER
	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						
	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	329	0.0	24	0.0	OFF	329	0	24	0.00	0	70.2	70.2	70.2	39.4	39.4
1-2 AM	232	0.0	17	0.0	OFF	232	0	17	0.00	0	70.2	70.2	70.2	39.6	39.6
2-3 AM	211	0.0	15	0.0	OFF	211	0	15	0.00	0	70.2	70.2	70.2	39.6	39.6
3-4 AM	153	0.0	11	0.0	OFF	153	0	11	0.00	0	70.2	70.2	70.2	39.6	39.6
4-5 AM	178	0.0	13	0.0	OFF	178	0	13	0.00	0	70.2	70.2	70.2	39.6	39.6
5-6 AM	215	0.0	16	0.0	OFF	215	0	16	0.00	0	70.2	70.2	70.2	39.6	39.6
6-7 AM	297	0.0	22	0.0	OFF	297	0	22	0.00	0	70.2	70.2	70.2	39.5	39.5
7-8 AM	490	0.0	37	0.0	OFF	490	0	37	0.00	0	70.1	70.1	70.1	39.3	39.3
8-9 AM	863	0.0	64	0.0	OFF	863	0	64	0.00	0	69.7	69.7	69.7	38.9	38.9
9-10 AM	1593	0.0	118	0.0	1499	1593	0	118	2.24	37	68.7	55.8	32.0	38.3	38.3
10-11 AM	2494	0.0	184	0.0	1500	2446	48	231	20.41	590	67.6	22.0	30.8	37.4	36.9
11A-NOON	3253	0.0	240	0.0	1500	2279	973	1214+	57.35	1501	66.7	9.9	30.8	36.8	24.7
NOON-1PM	3597	0.0	266	0.0	1500	1560	2036	2302+	78.55	2037	66.3	7.5	30.8	36.5	18.8
1-2 PM	3908	0.0	288	0.0	1500	1501	2408	2696+	78.79	2052	64.1	7.5	30.8	36.1	18.6
2-3 PM	4044	0.0	298	0.0	1500	1501	2544	2842+	78.63	2052	63.2	7.5	30.8	36.0	18.6
3-4 PM	4147	0.0	306	0.0	1500	1501	2647	2953+	78.52	2052	62.5	7.5	30.8	36.0	18.6
4-5 PM	4148	0.0	306	0.0	1500	1501	2648	2954+	78.52	2052	62.5	7.5	30.8	36.0	18.6
5-6 PM	3620	0.0	267	0.0	1500	1501	2120	2386+	79.10	2052	66.1	7.5	30.8	36.5	18.6
6-7 PM	2872	0.0	212	0.0	1500	1449	1423	1635+	75.56	1955	67.2	7.8	30.8	37.1	19.4
7-8 PM	2237	0.0	165	0.0	OFF	2237	0	165	5.55	472	67.9	43.3	43.3	37.7	37.7
8-9 PM	1660	0.0	123	0.0	OFF	1660	0	123	0.00	0	68.7	68.7	68.7	38.2	38.2
9-10 PM	1076	0.0	79	0.0	OFF	1076	0	79	0.00	0	69.4	69.4	69.4	38.8	38.8
10-11 PM	673	0.0	50	0.0	OFF	673	0	50	0.00	0	69.9	69.9	69.9	39.1	39.1
11PM-MID	427	0.0	31	0.0	OFF	427	0	31	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	0.0754
MAIN ROUTE WITH WORKS	0.0446
DIVERSION	0.6508

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$723,877
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

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

