

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	OCTOBER
	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	322	0.0	24	0.0	1500	322	0	24	0.51	0	70.2	66.6	44.2	39.4	39.4
1-2 AM	261	0.0	19	0.0	1500	261	0	19	0.50	0	70.2	66.6	44.5	39.5	39.5
2-3 AM	238	0.0	17	0.0	1500	238	0	17	0.50	0	70.2	66.6	44.5	39.6	39.6
3-4 AM	242	0.0	18	0.0	1500	242	0	18	0.50	0	70.2	66.6	44.5	39.5	39.5
4-5 AM	287	0.0	21	0.0	1500	287	0	21	0.51	0	70.2	66.6	44.3	39.5	39.5
5-6 AM	456	0.0	33	0.0	1500	456	0	33	0.53	0	70.2	66.4	43.7	39.3	39.3
6-7 AM	784	0.0	58	0.0	1500	784	0	58	0.56	0	69.7	65.9	42.5	39.0	39.0
7-8 AM	1181	0.0	87	0.0	1500	1181	0	87	0.68	0	69.2	64.7	39.1	38.7	38.7
8-9 AM	1267	0.0	93	0.0	1500	1267	0	93	0.79	0	69.2	63.9	36.4	38.6	38.6
9-10 AM	1268	0.0	93	0.0	1500	1268	0	93	0.80	0	69.2	63.9	36.4	38.6	38.6
10-11 AM	1348	0.0	99	0.0	1500	1348	0	99	0.90	0	69.1	63.2	34.2	38.5	38.5
11A-NOON	1378	0.0	101	0.0	1500	1378	0	101	0.94	0	69.0	62.9	33.5	38.5	38.5
NOON-1PM	1391	0.0	102	0.0	1500	1391	0	102	0.96	0	69.0	62.8	33.2	38.5	38.5
1-2 PM	1454	0.0	107	0.0	1499	1454	0	107	1.04	0	68.9	62.2	31.7	38.4	38.4
2-3 PM	1535	0.0	113	0.0	1499	1535	0	113	1.44	9	68.8	59.9	30.8	38.3	38.3
3-4 PM	1713	0.0	126	0.0	1500	1713	0	126	5.77	130	68.6	43.0	30.8	38.2	38.2
4-5 PM	1880	0.0	139	0.0	1500	1880	0	139	17.16	437	68.4	24.8	30.8	38.0	38.0
5-6 PM	1725	0.0	127	0.0	1499	1725	0	127	29.88	757	68.6	16.8	30.8	38.2	38.2
6-7 PM	1316	0.0	96	0.0	1499	1316	0	96	30.93	782	69.1	16.4	30.8	38.6	38.6
7-8 PM	1021	0.0	75	0.0	1499	1021	0	75	16.98	444	69.5	25.0	32.5	38.8	38.8
8-9 PM	829	0.0	61	0.0	1500	829	0	61	1.39	28	69.7	60.9	42.2	39.0	39.0
9-10 PM	729	0.0	54	0.0	1500	729	0	54	0.56	0	69.8	66.0	42.7	39.1	39.1
10-11 PM	587	0.0	44	0.0	1500	587	0	44	0.54	0	70.0	66.2	43.2	39.2	39.2
11PM-MID	463	0.0	34	0.0	1500	463	0	34	0.53	0	70.2	66.4	43.7	39.3	39.3

----- 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	0.0418
MAIN ROUTE WITH WORKS	0.0402
DIVERSION	0.0568

PIA: Personal Injury Accidents

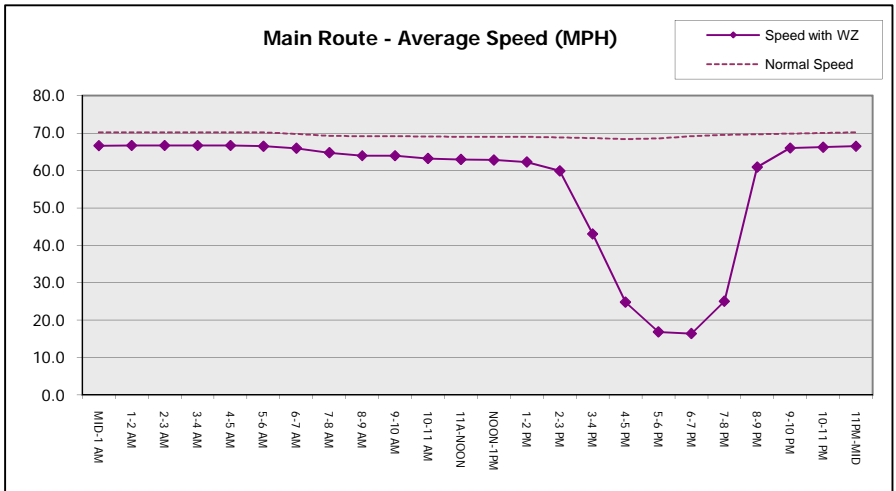
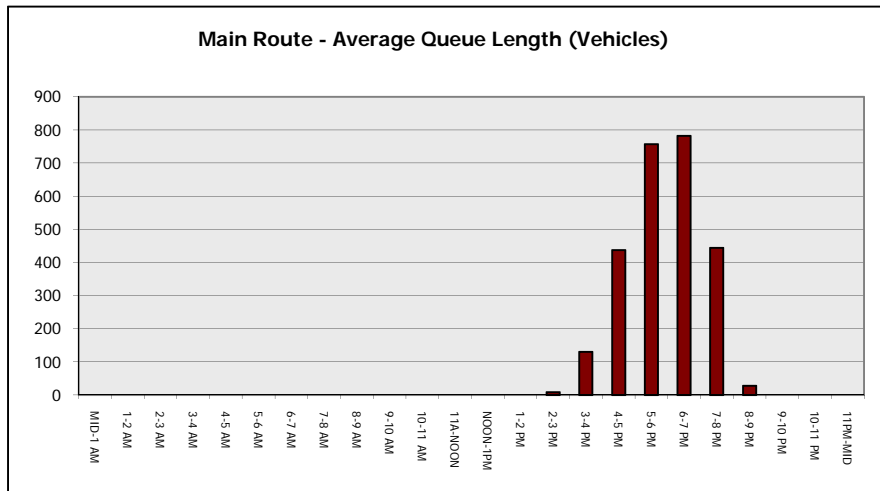
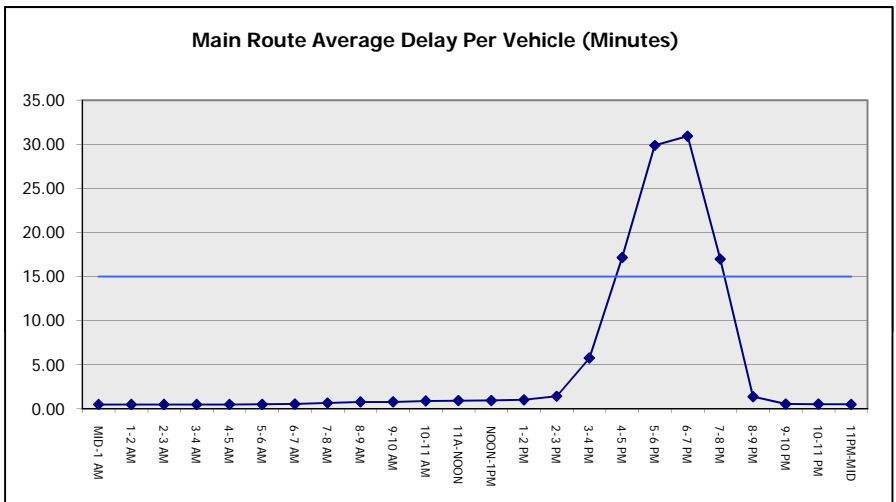
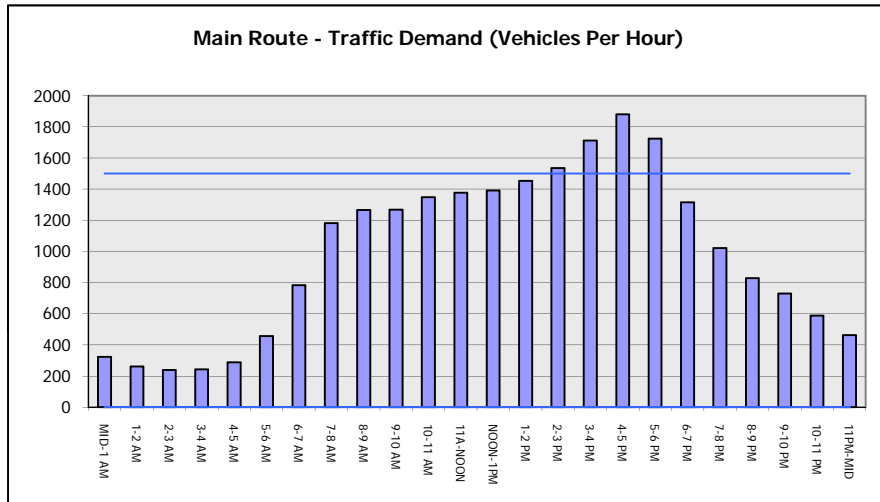
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$36,799
CONGESTED HOURS PER DAY*	4

*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

OCTOBER
 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) CONTINUOUS (24 HOUR) 2 LANE CLOSURE DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39	OCTOBER
	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	282	0.0	21	0.0	1500	282	0	21	0.51	0	70.2	66.6	44.3	39.5	39.5
1-2 AM	240	0.0	17	0.0	1500	240	0	17	0.50	0	70.2	66.6	44.5	39.6	39.6
2-3 AM	241	0.0	18	0.0	1500	241	0	18	0.50	0	70.2	66.6	44.5	39.5	39.5
3-4 AM	285	0.0	21	0.0	1500	285	0	21	0.51	0	70.2	66.6	44.3	39.5	39.5
4-5 AM	407	0.0	30	0.0	1500	407	0	30	0.52	0	70.2	66.5	43.8	39.4	39.4
5-6 AM	761	0.0	56	0.0	1500	761	0	56	0.56	0	69.8	65.9	42.5	39.1	39.1
6-7 AM	1201	0.0	88	0.0	1500	1201	0	88	0.71	0	69.2	64.5	38.4	38.6	38.6
7-8 AM	1272	0.0	94	0.0	1500	1272	0	94	0.80	0	69.2	63.8	36.3	38.6	38.6
8-9 AM	1192	0.0	88	0.0	1500	1192	0	88	0.70	0	69.2	64.6	38.7	38.6	38.6
9-10 AM	1261	0.0	93	0.0	1500	1261	0	93	0.79	0	69.2	64.0	36.6	38.6	38.6
10-11 AM	1382	0.0	102	0.0	1499	1382	0	102	0.94	0	69.0	62.8	33.4	38.5	38.5
11A-NOON	1487	0.0	110	0.0	1499	1487	0	110	1.10	0	68.9	61.9	31.1	38.4	38.4
NOON-1PM	1528	0.0	113	0.0	1500	1528	0	113	1.55	11	68.8	59.4	30.8	38.3	38.3
1-2 PM	1632	0.0	121	0.0	1500	1632	0	121	4.38	89	68.7	47.3	30.8	38.3	38.3
2-3 PM	1742	0.0	128	0.0	1500	1742	0	128	11.34	276	68.6	31.6	30.8	38.1	38.1
3-4 PM	1825	0.0	135	0.0	1500	1825	0	135	22.17	562	68.4	20.9	30.8	38.1	38.1
4-5 PM	1868	0.0	138	0.0	1499	1754	114	252	34.84	888	68.4	14.9	30.8	38.0	36.6
5-6 PM	1683	0.0	125	0.0	1499	1432	251	376	37.66	958	68.6	14.0	30.8	38.2	35.1
6-7 PM	1301	0.0	96	0.0	1499	1272	29	126	32.09	813	69.1	16.0	30.8	38.6	38.2
7-8 PM	1040	0.0	77	0.0	1499	1040	0	77	18.19	471	69.4	24.0	31.9	38.8	38.8
8-9 PM	841	0.0	62	0.0	1500	841	0	62	1.75	41	69.7	58.9	42.0	39.0	39.0
9-10 PM	717	0.0	53	0.0	1500	717	0	53	0.56	0	69.9	66.0	42.7	39.1	39.1
10-11 PM	563	0.0	42	0.0	1500	563	0	42	0.54	0	70.0	66.3	43.3	39.2	39.2
11PM-MID	392	0.0	28	0.0	1500	392	0	28	0.52	0	70.2	66.5	43.9	39.4	39.4

----- 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	0.0444
MAIN ROUTE WITH WORKS	0.0421
DIVERSION	0.0733

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$59,786
CONGESTED HOURS PER DAY*	5

*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

OCTOBER
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 Construction Season

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

