

IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY) NIGHTTIME 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	OFF	456	0	33	0.00	0	70.2	70.2	70.2	39.3	39.3
6-7 AM	784	0.0	58	0.0	OFF	784	0	58	0.00	0	69.7	69.7	69.7	39.0	39.0
7-8 AM	1181	0.0	87	0.0	OFF	1181	0	87	0.00	0	69.2	69.2	69.2	38.7	38.7
8-9 AM	1267	0.0	93	0.0	OFF	1267	0	93	0.00	0	69.2	69.2	69.2	38.6	38.6
9-10 AM	1268	0.0	93	0.0	OFF	1268	0	93	0.00	0	69.2	69.2	69.2	38.6	38.6
10-11 AM	1348	0.0	99	0.0	OFF	1348	0	99	0.00	0	69.1	69.1	69.1	38.5	38.5
11A-NOON	1378	0.0	101	0.0	OFF	1378	0	101	0.00	0	69.0	69.0	69.0	38.5	38.5
NOON-1PM	1391	0.0	102	0.0	OFF	1391	0	102	0.00	0	69.0	69.0	69.0	38.5	38.5
1-2 PM	1454	0.0	107	0.0	OFF	1454	0	107	0.00	0	68.9	68.9	68.9	38.4	38.4
2-3 PM	1535	0.0	113	0.0	OFF	1535	0	113	0.00	0	68.8	68.8	68.8	38.3	38.3
3-4 PM	1713	0.0	126	0.0	OFF	1713	0	126	0.00	0	68.6	68.6	68.6	38.2	38.2
4-5 PM	1880	0.0	139	0.0	OFF	1880	0	139	0.00	0	68.4	68.4	68.4	38.0	38.0
5-6 PM	1725	0.0	127	0.0	OFF	1725	0	127	0.00	0	68.6	68.6	68.6	38.2	38.2
6-7 PM	1316	0.0	96	0.0	OFF	1316	0	96	0.00	0	69.1	69.1	69.1	38.6	38.6
7-8 PM	1021	0.0	75	0.0	1500	1021	0	75	0.59	0	69.5	65.5	41.6	38.8	38.8
8-9 PM	829	0.0	61	0.0	1500	829	0	61	0.57	0	69.7	65.8	42.3	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

"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	0.0418
MAIN ROUTE WITH WORKS	0.0415
DIVERSION	0.0568

PIA: Personal Injury Accidents

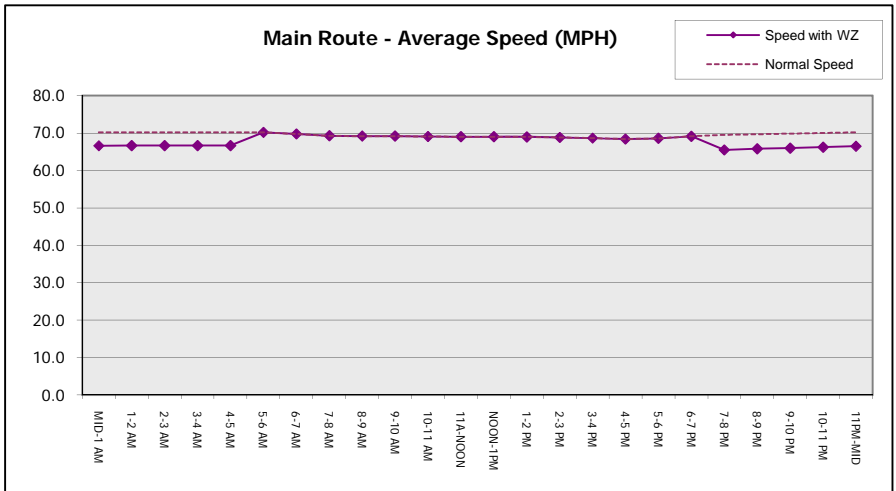
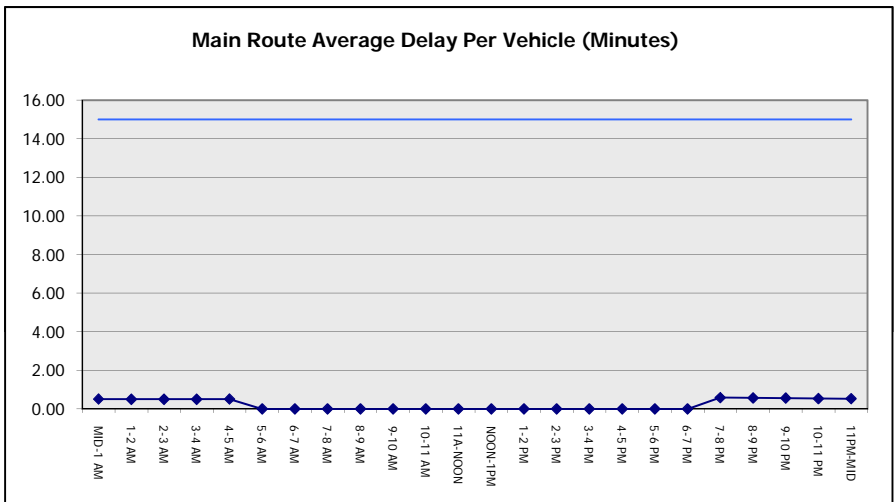
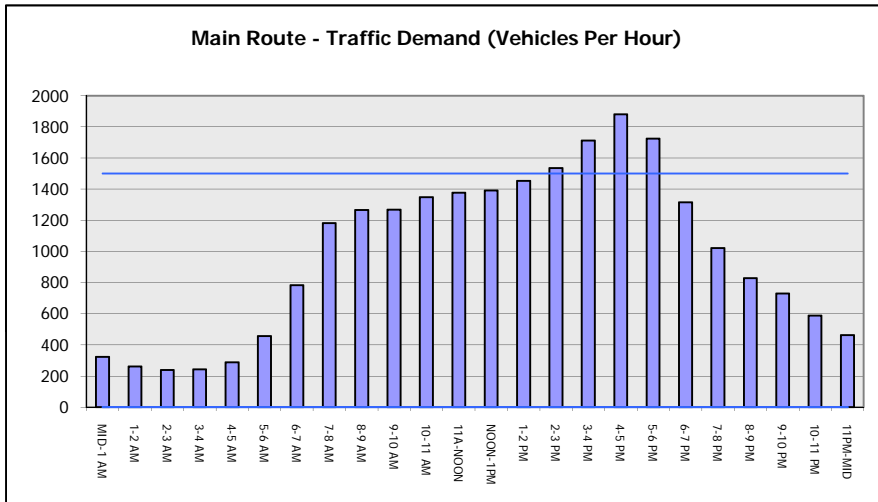
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$550
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)
NIGHTTIME 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) NIGHTTIME 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	OFF	761	0	56	0.00	0	69.8	69.8	69.8	39.1	39.1
6-7 AM	1201	0.0	88	0.0	OFF	1201	0	88	0.00	0	69.2	69.2	69.2	38.6	38.6
7-8 AM	1272	0.0	94	0.0	OFF	1272	0	94	0.00	0	69.2	69.2	69.2	38.6	38.6
8-9 AM	1192	0.0	88	0.0	OFF	1192	0	88	0.00	0	69.2	69.2	69.2	38.6	38.6
9-10 AM	1261	0.0	93	0.0	OFF	1261	0	93	0.00	0	69.2	69.2	69.2	38.6	38.6
10-11 AM	1382	0.0	102	0.0	OFF	1382	0	102	0.00	0	69.0	69.0	69.0	38.5	38.5
11A-NOON	1487	0.0	110	0.0	OFF	1487	0	110	0.00	0	68.9	68.9	68.9	38.4	38.4
NOON-1PM	1528	0.0	113	0.0	OFF	1528	0	113	0.00	0	68.8	68.8	68.8	38.3	38.3
1-2 PM	1632	0.0	121	0.0	OFF	1632	0	121	0.00	0	68.7	68.7	68.7	38.3	38.3
2-3 PM	1742	0.0	128	0.0	OFF	1742	0	128	0.00	0	68.6	68.6	68.6	38.1	38.1
3-4 PM	1825	0.0	135	0.0	OFF	1825	0	135	0.00	0	68.4	68.4	68.4	38.1	38.1
4-5 PM	1868	0.0	138	0.0	OFF	1868	0	138	0.00	0	68.4	68.4	68.4	38.0	38.0
5-6 PM	1683	0.0	125	0.0	OFF	1683	0	125	0.00	0	68.6	68.6	68.6	38.2	38.2
6-7 PM	1301	0.0	96	0.0	OFF	1301	0	96	0.00	0	69.1	69.1	69.1	38.6	38.6
7-8 PM	1040	0.0	77	0.0	1500	1040	0	77	0.59	0	69.4	65.4	41.5	38.8	38.8
8-9 PM	841	0.0	62	0.0	1500	841	0	62	0.57	0	69.7	65.8	42.2	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

"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	0.0444
MAIN ROUTE WITH WORKS	0.0441
DIVERSION	0.0604

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$553
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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NIGHTTIME 2 LANE CLOSURE
DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39

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

