

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	MAY
	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	250	0.0	18	0.0	1500	250	0	18	0.50	0	70.2	66.6	44.5	39.5	39.5
1-2 AM	165	0.0	12	0.0	1500	165	0	12	0.49	0	70.2	66.7	44.8	39.6	39.6
2-3 AM	113	0.0	8	0.0	1500	113	0	8	0.49	0	70.2	66.8	45.0	39.6	39.6
3-4 AM	111	0.0	8	0.0	1500	111	0	8	0.49	0	70.2	66.8	45.0	39.6	39.6
4-5 AM	124	0.0	9	0.0	1500	124	0	9	0.49	0	70.2	66.8	45.0	39.6	39.6
5-6 AM	177	0.0	13	0.0	1500	177	0	13	0.49	0	70.2	66.7	44.8	39.6	39.6
6-7 AM	315	0.0	23	0.0	1500	315	0	23	0.51	0	70.2	66.6	44.2	39.4	39.4
7-8 AM	595	0.0	44	0.0	1500	595	0	44	0.54	0	70.0	66.2	43.2	39.2	39.2
8-9 AM	971	0.0	72	0.0	1499	971	0	72	0.58	0	69.6	65.5	41.8	38.9	38.9
9-10 AM	1452	0.0	108	0.0	OFF	1452	0	108	0.00	0	68.9	68.9	68.9	38.4	38.4
10-11 AM	1904	0.0	141	0.0	OFF	1904	0	141	0.00	0	68.4	68.4	68.4	38.0	38.0
11A-NOON	2140	0.0	158	0.0	OFF	2140	0	158	0.00	0	68.1	68.1	68.1	37.8	37.8
NOON-1PM	2161	0.0	159	0.0	OFF	2161	0	159	0.00	0	68.1	68.1	68.1	37.8	37.8
1-2 PM	2182	0.0	161	0.0	OFF	2182	0	161	0.00	0	68.0	68.0	68.0	37.8	37.8
2-3 PM	2230	0.0	164	0.0	OFF	2230	0	164	0.00	0	67.9	67.9	67.9	37.7	37.7
3-4 PM	2158	0.0	159	0.0	OFF	2158	0	159	0.00	0	68.1	68.1	68.1	37.8	37.8
4-5 PM	2064	0.0	152	0.0	OFF	2064	0	152	0.00	0	68.2	68.2	68.2	37.9	37.9
5-6 PM	2032	0.0	150	0.0	OFF	2032	0	150	0.00	0	68.2	68.2	68.2	37.9	37.9
6-7 PM	1781	0.0	132	0.0	OFF	1781	0	132	0.00	0	68.5	68.5	68.5	38.1	38.1
7-8 PM	1377	0.0	101	0.0	1500	1377	0	101	0.94	0	69.0	62.9	33.5	38.5	38.5
8-9 PM	1020	0.0	75	0.0	1500	1020	0	75	0.59	0	69.5	65.5	41.6	38.8	38.8
9-10 PM	726	0.0	54	0.0	1500	726	0	54	0.56	0	69.8	66.0	42.7	39.1	39.1
10-11 PM	480	0.0	36	0.0	1500	480	0	36	0.53	0	70.1	66.4	43.6	39.3	39.3
11PM-MID	363	0.0	26	0.0	1500	363	0	26	0.52	0	70.2	66.6	44.0	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	0.0475
MAIN ROUTE WITH WORKS	0.0470
DIVERSION	0.0646

PIA: Personal Injury Accidents

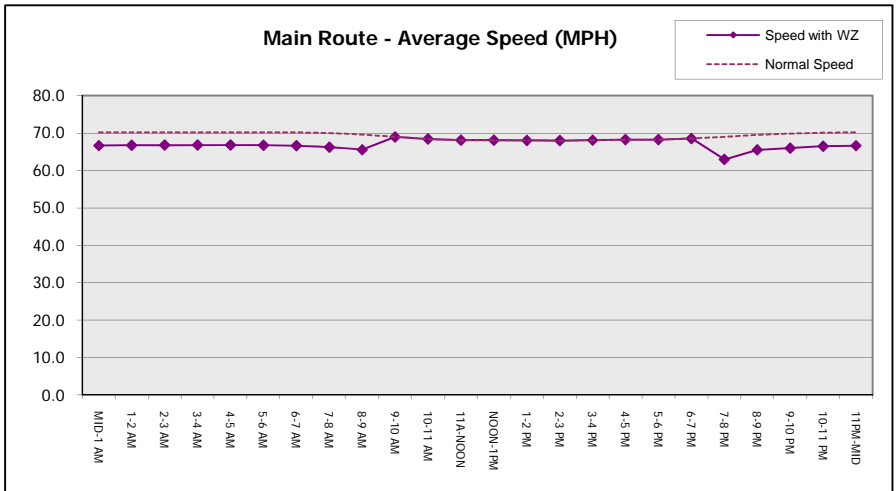
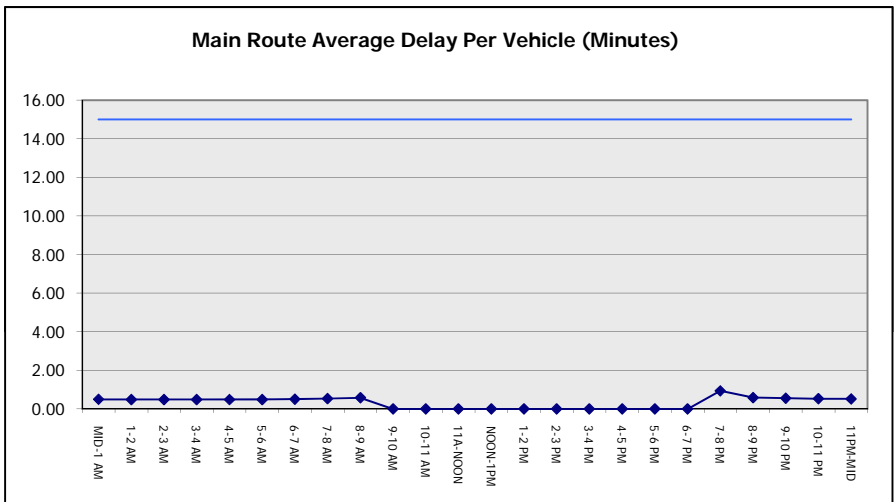
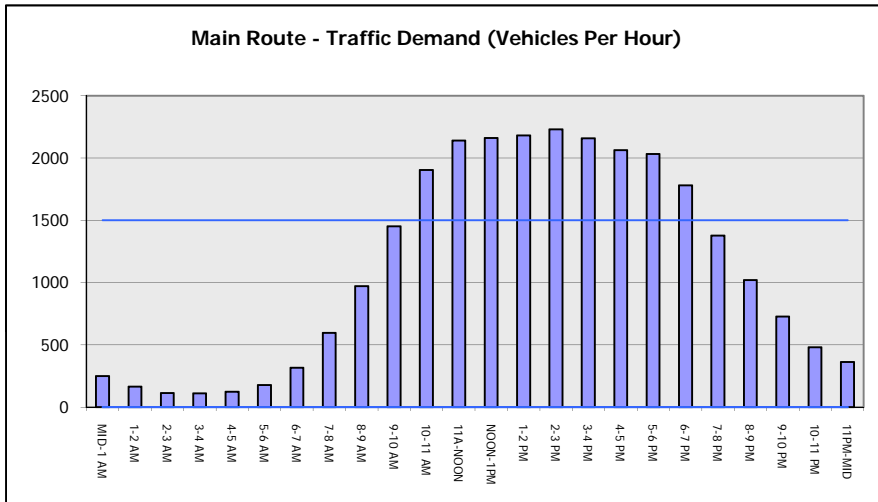
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,135
CONGESTED HOURS PER DAY*	0

*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

MAY
 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) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39	MAY
	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		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	312	0.0	23	0.0	1500	312	0	23	0.51	0	70.2	66.6	44.2	39.4	39.4
1-2 AM	230	0.0	17	0.0	1500	230	0	17	0.50	0	70.2	66.6	44.6	39.6	39.6
2-3 AM	213	0.0	15	0.0	1500	213	0	15	0.50	0	70.2	66.7	44.6	39.6	39.6
3-4 AM	169	0.0	12	0.0	1500	169	0	12	0.49	0	70.2	66.7	44.8	39.6	39.6
4-5 AM	159	0.0	12	0.0	1500	159	0	12	0.49	0	70.2	66.7	44.8	39.6	39.6
5-6 AM	220	0.0	16	0.0	1500	220	0	16	0.50	0	70.2	66.6	44.6	39.6	39.6
6-7 AM	306	0.0	22	0.0	1500	306	0	22	0.51	0	70.2	66.6	44.3	39.5	39.5
7-8 AM	561	0.0	42	0.0	1500	561	0	42	0.54	0	70.0	66.3	43.3	39.2	39.2
8-9 AM	1007	0.0	74	0.0	1499	1007	0	74	0.60	0	69.5	65.4	41.3	38.8	38.8
9-10 AM	1634	0.0	121	0.0	OFF	1634	0	121	0.00	0	68.7	68.7	68.7	38.3	38.3
10-11 AM	2324	0.0	172	0.0	OFF	2324	0	172	0.00	0	67.9	67.9	67.9	37.6	37.6
11A-NOON	2808	0.0	207	0.0	OFF	2808	0	207	0.00	0	67.3	67.3	67.3	37.2	37.2
NOON-1PM	2933	0.0	216	0.0	OFF	2933	0	216	0.00	0	67.1	67.1	67.1	37.1	37.1
1-2 PM	2955	0.0	218	0.0	OFF	2955	0	218	0.00	0	67.1	67.1	67.1	37.0	37.0
2-3 PM	3234	0.0	238	0.0	OFF	3234	0	238	0.00	0	66.7	66.7	66.7	36.8	36.8
3-4 PM	3386	0.0	250	0.0	OFF	3386	0	250	0.00	0	66.5	66.5	66.5	36.6	36.6
4-5 PM	3260	0.0	241	0.0	OFF	3260	0	241	0.00	0	66.7	66.7	66.7	36.8	36.8
5-6 PM	2965	0.0	219	0.0	OFF	2965	0	219	0.00	0	67.1	67.1	67.1	37.0	37.0
6-7 PM	2511	0.0	186	0.0	OFF	2511	0	186	0.00	0	67.6	67.6	67.6	37.4	37.4
7-8 PM	2026	0.0	149	0.0	1499	2026	0	149	10.85	288	68.2	32.3	30.8	37.9	37.9
8-9 PM	1702	0.0	126	0.0	1499	1702	0	126	25.84	651	68.6	18.8	30.8	38.2	38.2
9-10 PM	1216	0.0	89	0.0	1499	1216	0	89	24.24	611	69.2	19.7	30.8	38.6	38.6
10-11 PM	853	0.0	63	0.0	1499	853	0	63	5.25	169	69.7	45.0	38.8	38.9	38.9
11PM-MID	514	0.0	38	0.0	1500	514	0	38	0.53	0	70.1	66.4	43.5	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	0.0662
MAIN ROUTE WITH WORKS	0.0656
DIVERSION	0.0900

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$27,176
CONGESTED HOURS PER DAY*	2

*Delays Exceeding 15 Minutes

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NIGHTTIME 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
SUNDAY EASTBOUND DIRECTION

