

**IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)
CONTINUOUS (24 HOUR) 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	3000	247	0	18	0.36	0	70.2	67.6	49.7	39.5	39.5
1-2 AM	188	0.0	14	0.0	3000	188	0	14	0.36	0	70.2	67.6	49.7	39.6	39.6
2-3 AM	134	0.0	10	0.0	3000	134	0	10	0.36	0	70.2	67.6	49.7	39.6	39.6
3-4 AM	129	0.0	9	0.0	3000	129	0	9	0.36	0	70.2	67.6	49.7	39.6	39.6
4-5 AM	131	0.0	10	0.0	3000	131	0	10	0.36	0	70.2	67.6	49.7	39.6	39.6
5-6 AM	205	0.0	15	0.0	3000	205	0	15	0.36	0	70.2	67.6	49.7	39.6	39.6
6-7 AM	306	0.0	22	0.0	3000	306	0	22	0.36	0	70.2	67.6	49.7	39.5	39.5
7-8 AM	556	0.0	41	0.0	3000	556	0	41	0.36	0	70.0	67.5	49.7	39.2	39.2
8-9 AM	913	0.0	67	0.0	3000	913	0	67	0.35	0	69.6	67.1	49.7	38.9	38.9
9-10 AM	1376	0.0	101	0.0	3000	1376	0	101	0.34	0	69.0	66.6	49.7	38.5	38.5
10-11 AM	1823	0.0	135	0.0	3000	1823	0	135	0.34	0	68.5	66.2	49.7	38.1	38.1
11A-NOON	2120	0.0	156	0.0	3000	2120	0	156	0.33	0	68.1	65.8	49.7	37.8	37.8
NOON-1PM	2214	0.0	163	0.0	3000	2214	0	163	0.33	0	68.0	65.8	49.7	37.7	37.7
1-2 PM	2310	0.0	170	0.0	3000	2310	0	170	0.33	0	67.9	65.6	49.7	37.6	37.6
2-3 PM	2303	0.0	170	0.0	3000	2303	0	170	0.33	0	67.9	65.6	49.7	37.6	37.6
3-4 PM	2241	0.0	165	0.0	3000	2241	0	165	0.33	0	67.9	65.7	49.7	37.7	37.7
4-5 PM	2159	0.0	159	0.0	3000	2159	0	159	0.33	0	68.1	65.8	49.7	37.8	37.8
5-6 PM	1901	0.0	140	0.0	3000	1901	0	140	0.34	0	68.4	66.1	49.7	38.0	38.0
6-7 PM	1552	0.0	115	0.0	3000	1552	0	115	0.34	0	68.8	66.4	49.7	38.3	38.3
7-8 PM	1237	0.0	91	0.0	3000	1237	0	91	0.35	0	69.2	66.8	49.7	38.6	38.6
8-9 PM	909	0.0	67	0.0	3000	909	0	67	0.35	0	69.6	67.1	49.7	38.9	38.9
9-10 PM	658	0.0	49	0.0	3000	658	0	49	0.36	0	69.9	67.4	49.7	39.1	39.1
10-11 PM	478	0.0	35	0.0	3000	478	0	35	0.36	0	70.1	67.6	49.7	39.3	39.3
11PM-MID	336	0.0	24	0.0	3000	336	0	24	0.36	0	70.2	67.6	49.7	39.4	39.4

----- 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	0.0467
MAIN ROUTE WITH WORKS	0.0449
DIVERSION	0.0634

PIA: Personal Injury Accidents

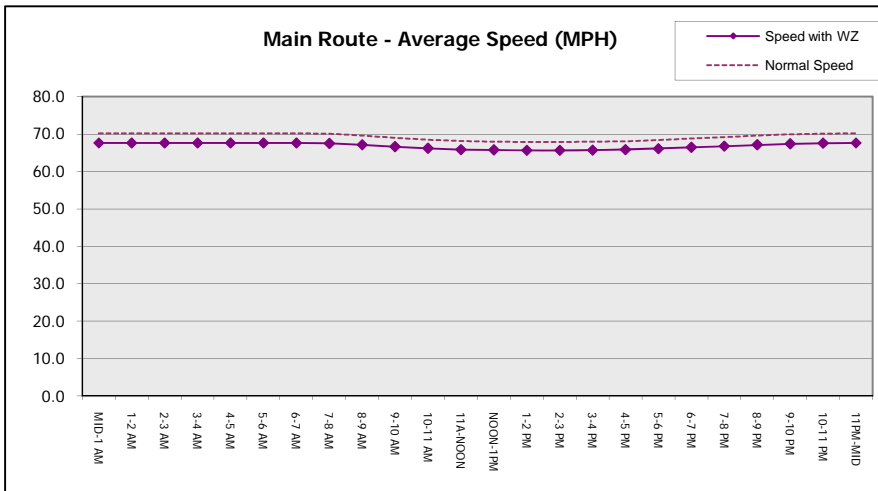
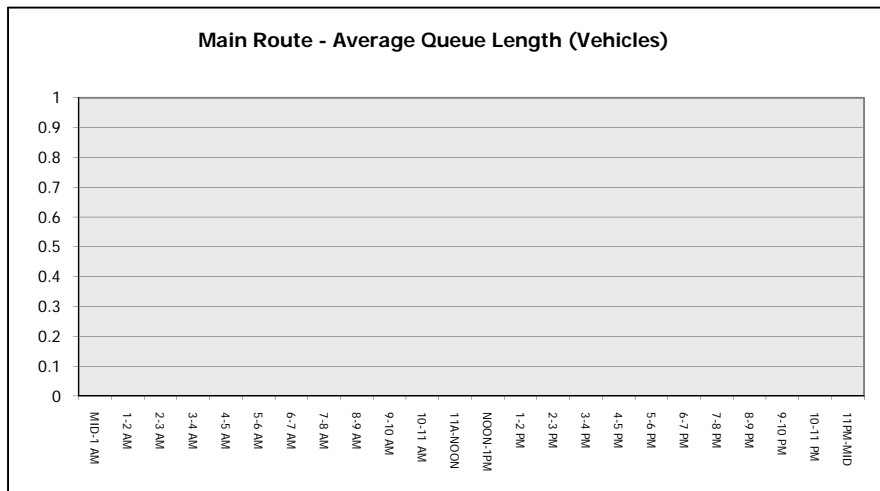
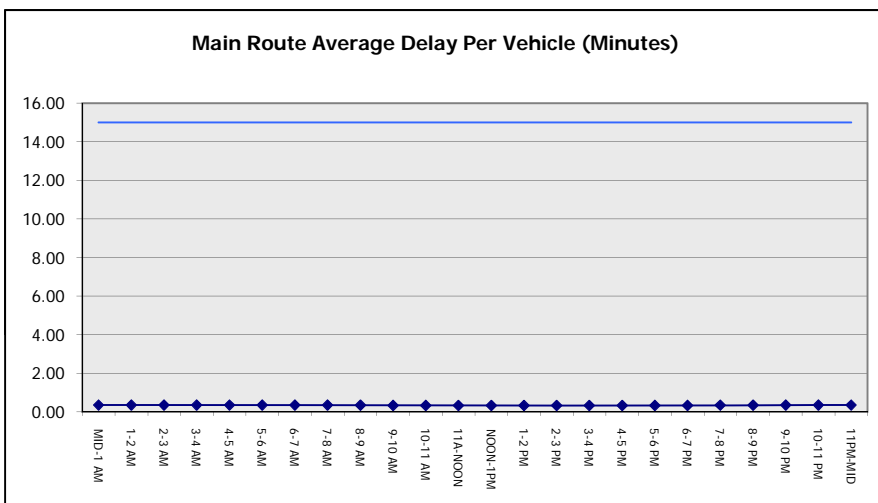
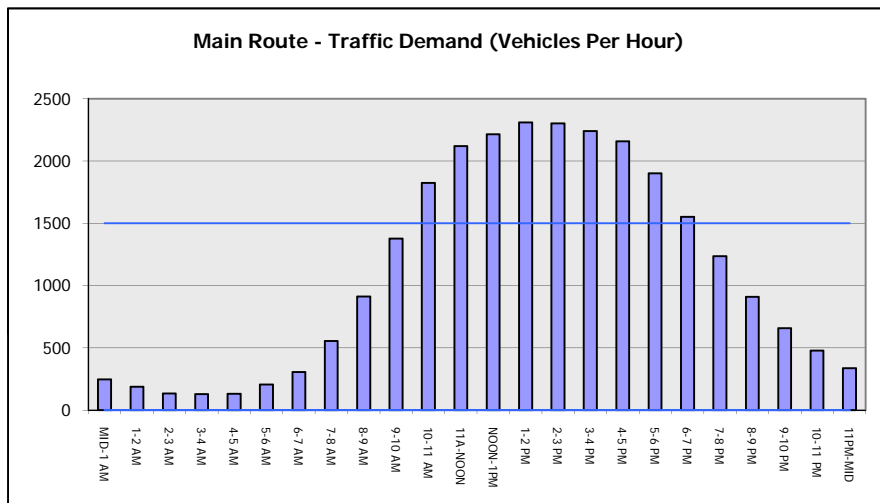
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,690
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)
CONTINUOUS (24 HOUR) 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) CONTINUOUS (24 HOUR) 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		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	329	0.0	24	0.0	3000	329	0	24	0.36	0	70.2	67.6	49.7	39.4	39.4
1-2 AM	232	0.0	17	0.0	3000	232	0	17	0.36	0	70.2	67.6	49.7	39.6	39.6
2-3 AM	211	0.0	15	0.0	3000	211	0	15	0.36	0	70.2	67.6	49.7	39.6	39.6
3-4 AM	153	0.0	11	0.0	3000	153	0	11	0.36	0	70.2	67.6	49.7	39.6	39.6
4-5 AM	178	0.0	13	0.0	3000	178	0	13	0.36	0	70.2	67.6	49.7	39.6	39.6
5-6 AM	215	0.0	16	0.0	3000	215	0	16	0.36	0	70.2	67.6	49.7	39.6	39.6
6-7 AM	297	0.0	22	0.0	3000	297	0	22	0.36	0	70.2	67.6	49.7	39.5	39.5
7-8 AM	490	0.0	37	0.0	3000	490	0	37	0.36	0	70.1	67.6	49.7	39.3	39.3
8-9 AM	863	0.0	64	0.0	3000	863	0	64	0.35	0	69.7	67.2	49.7	38.9	38.9
9-10 AM	1593	0.0	118	0.0	3000	1593	0	118	0.34	0	68.7	66.4	49.7	38.3	38.3
10-11 AM	2494	0.0	184	0.0	2999	2494	0	184	0.43	0	67.6	64.8	46.1	37.4	37.4
11A-NOON	3253	0.0	240	0.0	2999	3253	0	240	2.26	91	66.7	54.4	37.3	36.8	36.8
NOON-1PM	3597	0.0	266	0.0	3000	3597	0	266	9.87	530	66.3	33.4	37.3	36.5	36.5
1-2 PM	3908	0.0	288	0.0	3000	3908	0	288	23.19	1289	64.1	19.8	37.3	36.1	36.1
2-3 PM	4044	0.0	298	0.0	3000	3801	243	541	39.78	2198	63.2	13.2	37.3	36.0	33.0
3-4 PM	4147	0.0	306	0.0	3000	3448	700	1006	50.68	2796	62.5	11.4	37.3	36.0	27.5
4-5 PM	4148	0.0	306	0.0	3000	3247	901	1207+	57.18	3155	62.5	10.9	37.3	36.0	25.3
5-6 PM	3620	0.0	267	0.0	3000	2692	928	1195	57.41	3132	66.1	10.9	37.3	36.5	25.4
6-7 PM	2872	0.0	212	0.0	3000	2231	641	853	47.32	2573	67.2	11.9	37.3	37.1	29.2
7-8 PM	2237	0.0	165	0.0	3000	2158	78	244	32.70	1774	67.9	15.6	37.3	37.7	36.7
8-9 PM	1660	0.0	123	0.0	2999	1660	0	123	11.02	701	68.7	32.1	43.8	38.2	38.2
9-10 PM	1076	0.0	79	0.0	3000	1076	0	79	0.35	0	69.4	66.9	49.7	38.8	38.8
10-11 PM	673	0.0	50	0.0	3000	673	0	50	0.36	0	69.9	67.4	49.7	39.1	39.1
11PM-MID	427	0.0	31	0.0	3000	427	0	31	0.36	0	70.2	67.6	49.7	39.4	39.4

+ 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	0.0667
DIVERSION	0.2162

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$354,718
CONGESTED HOURS PER DAY*	7

*Delays Exceeding 15 Minutes

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CONTINUOUS (24 HOUR) 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

