

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

FRIDAY 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	405	0.0	29	0.0	OFF	405	0	29	0.00	0	70.2	70.2	70.2	39.4	39.4
1-2 AM	335	0.0	24	0.0	OFF	335	0	24	0.00	0	70.2	70.2	70.2	39.4	39.4
2-3 AM	293	0.0	21	0.0	OFF	293	0	21	0.00	0	70.2	70.2	70.2	39.5	39.5
3-4 AM	306	0.0	22	0.0	OFF	306	0	22	0.00	0	70.2	70.2	70.2	39.5	39.5
4-5 AM	345	0.0	25	0.0	OFF	345	0	25	0.00	0	70.2	70.2	70.2	39.4	39.4
5-6 AM	545	0.0	41	0.0	OFF	545	0	41	0.00	0	70.0	70.0	70.0	39.2	39.2
6-7 AM	892	0.0	66	0.0	OFF	892	0	66	0.00	0	69.6	69.6	69.6	38.9	38.9
7-8 AM	1332	0.0	98	0.0	OFF	1332	0	98	0.00	0	69.1	69.1	69.1	38.5	38.5
8-9 AM	1569	0.0	116	0.0	OFF	1569	0	116	0.00	0	68.8	68.8	68.8	38.3	38.3
9-10 AM	1821	0.0	134	0.0	1499	1821	0	134	5.98	144	68.5	42.4	30.8	38.1	38.1
10-11 AM	2072	0.0	153	0.0	1500	2072	0	153	22.60	593	68.2	20.6	30.8	37.8	37.8
11A-NOON	2262	0.0	167	0.0	1500	1812	449	616	41.97	1077	67.9	12.9	30.8	37.7	32.1
NOON-1PM	2327	0.0	171	0.0	1500	1588	739	911	48.62	1248	67.8	11.4	30.8	37.6	28.4
1-2 PM	2544	0.0	188	0.0	1500	1653	891	1078	53.19	1369	67.6	10.6	30.8	37.4	26.3
2-3 PM	2701	0.0	200	0.0	1500	1646	1055	1255+	58.89	1519	67.4	9.7	30.8	37.3	24.2
3-4 PM	2833	0.0	209	0.0	1500	1642	1190	1399+	64.37	1663	67.2	8.9	30.8	37.1	22.4
4-5 PM	2941	0.0	217	0.0	OFF	2941	0	217	6.29	491	67.1	41.0	41.0	37.1	37.1
5-6 PM	3003	0.0	221	0.0	OFF	3003	0	221	0.00	0	67.0	67.0	67.0	37.0	37.0
6-7 PM	2768	0.0	204	0.0	OFF	2768	0	204	0.00	0	67.3	67.3	67.3	37.2	37.2
7-8 PM	2351	0.0	173	0.0	OFF	2351	0	173	0.00	0	67.8	67.8	67.8	37.6	37.6
8-9 PM	1893	0.0	140	0.0	OFF	1893	0	140	0.00	0	68.4	68.4	68.4	38.0	38.0
9-10 PM	1402	0.0	103	0.0	OFF	1402	0	103	0.00	0	69.0	69.0	69.0	38.4	38.4
10-11 PM	1010	0.0	74	0.0	OFF	1010	0	74	0.00	0	69.5	69.5	69.5	38.8	38.8
11PM-MID	671	0.0	50	0.0	OFF	671	0	50	0.00	0	69.9	69.9	69.9	39.1	39.1

"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	0.0682
MAIN ROUTE WITH WORKS	0.0598
DIVERSION	0.2334

PIA: Personal Injury Accidents

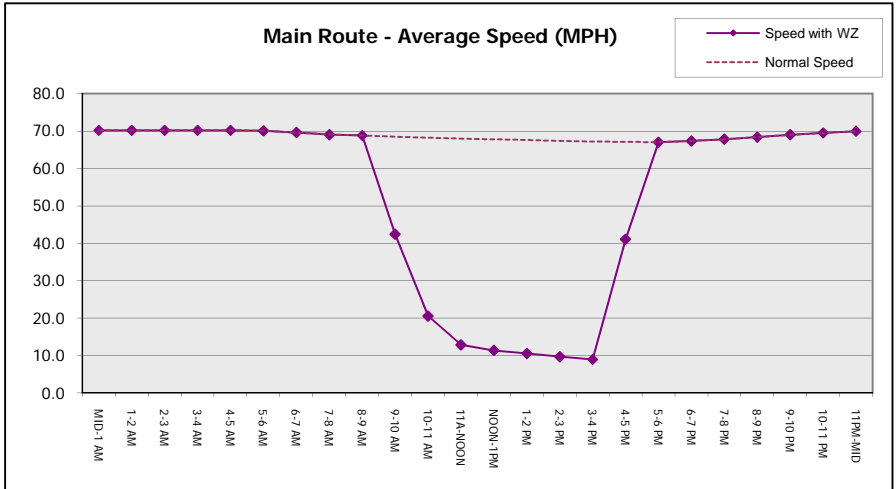
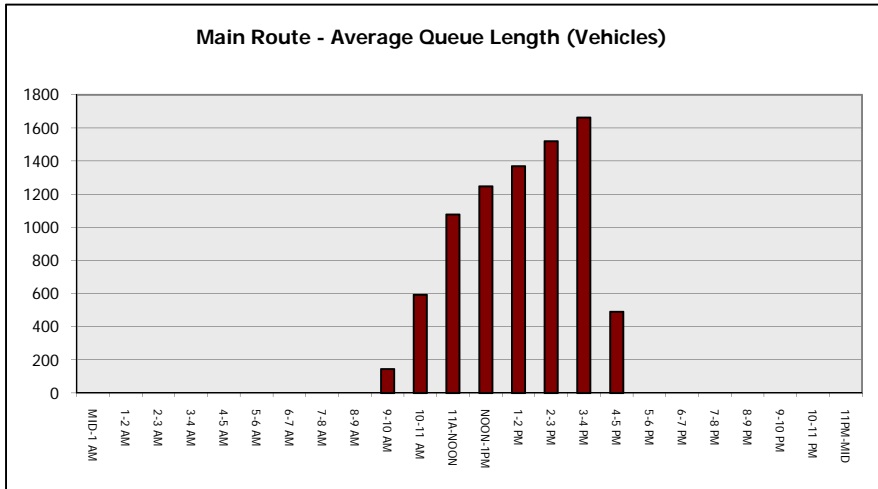
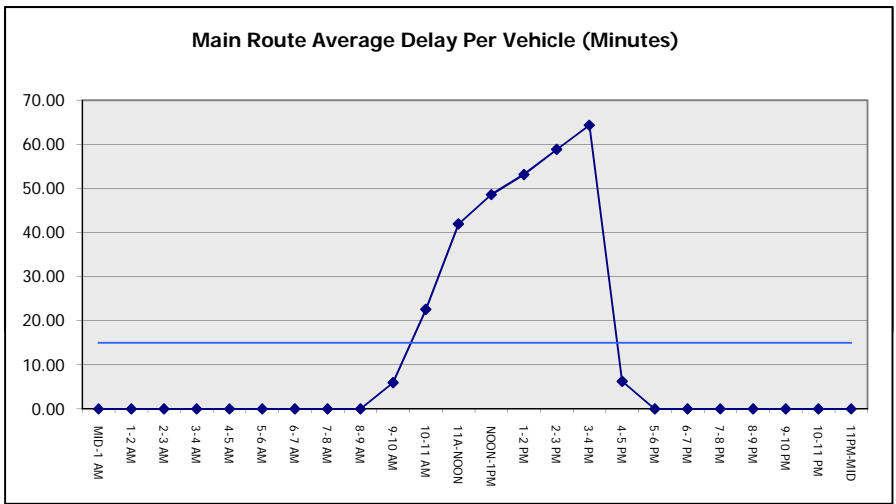
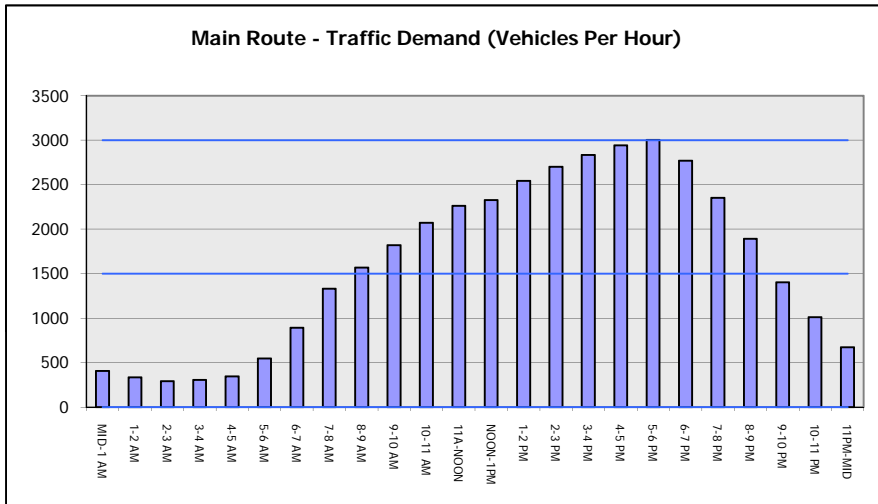
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$173,344
CONGESTED HOURS PER DAY*	6

*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
FRIDAY 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

FRIDAY 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	325	0.0	24	0.0	OFF	325	0	24	0.00	0	70.2	70.2	70.2	39.4	39.4
1-2 AM	270	0.0	20	0.0	OFF	270	0	20	0.00	0	70.2	70.2	70.2	39.5	39.5
2-3 AM	291	0.0	21	0.0	OFF	291	0	21	0.00	0	70.2	70.2	70.2	39.5	39.5
3-4 AM	311	0.0	23	0.0	OFF	311	0	23	0.00	0	70.2	70.2	70.2	39.4	39.4
4-5 AM	407	0.0	30	0.0	OFF	407	0	30	0.00	0	70.2	70.2	70.2	39.4	39.4
5-6 AM	687	0.0	51	0.0	OFF	687	0	51	0.00	0	69.9	69.9	69.9	39.1	39.1
6-7 AM	1075	0.0	79	0.0	OFF	1075	0	79	0.00	0	69.4	69.4	69.4	38.8	38.8
7-8 AM	1205	0.0	89	0.0	OFF	1205	0	89	0.00	0	69.2	69.2	69.2	38.6	38.6
8-9 AM	1234	0.0	91	0.0	OFF	1234	0	91	0.00	0	69.2	69.2	69.2	38.6	38.6
9-10 AM	1376	0.0	101	0.0	1499	1376	0	101	0.94	0	69.0	62.9	33.6	38.5	38.5
10-11 AM	1646	0.0	122	0.0	1499	1646	0	122	3.17	58	68.7	51.7	30.8	38.3	38.3
11A-NOON	1834	0.0	135	0.0	1500	1834	0	135	12.07	302	68.4	30.6	30.8	38.1	38.1
NOON-1PM	1988	0.0	147	0.0	1500	1980	7	154	27.59	712	68.2	17.8	30.8	37.9	37.8
1-2 PM	2215	0.0	163	0.0	1500	1734	481	644	42.54	1090	68.0	12.7	30.8	37.7	31.7
2-3 PM	2422	0.0	178	0.0	1500	1649	773	952	49.66	1276	67.8	11.2	30.8	37.5	27.9
3-4 PM	2408	0.0	177	0.0	1500	1529	879	1057	52.58	1351	67.8	10.7	30.8	37.6	26.6
4-5 PM	2674	0.0	198	0.0	OFF	2674	0	198	3.49	283	67.4	49.8	49.8	37.3	37.3
5-6 PM	2378	0.0	175	0.0	OFF	2378	0	175	0.00	0	67.8	67.8	67.8	37.6	37.6
6-7 PM	2002	0.0	148	0.0	OFF	2002	0	148	0.00	0	68.2	68.2	68.2	37.9	37.9
7-8 PM	1678	0.0	124	0.0	OFF	1678	0	124	0.00	0	68.6	68.6	68.6	38.2	38.2
8-9 PM	1380	0.0	101	0.0	OFF	1380	0	101	0.00	0	69.0	69.0	69.0	38.5	38.5
9-10 PM	1055	0.0	78	0.0	OFF	1055	0	78	0.00	0	69.4	69.4	69.4	38.8	38.8
10-11 PM	792	0.0	59	0.0	OFF	792	0	59	0.00	0	69.7	69.7	69.7	39.0	39.0
11PM-MID	506	0.0	38	0.0	OFF	506	0	38	0.00	0	70.1	70.1	70.1	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	0.0568
MAIN ROUTE WITH WORKS	0.0522
DIVERSION	0.1469

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$98,842
CONGESTED HOURS PER DAY*	4

*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
FRIDAY EASTBOUND DIRECTION

