

**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**

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	OFF	250	0	18	0.00	0	70.2	70.2	70.2	39.5	39.5
1-2 AM	165	0.0	12	0.0	OFF	165	0	12	0.00	0	70.2	70.2	70.2	39.6	39.6
2-3 AM	113	0.0	8	0.0	OFF	113	0	8	0.00	0	70.2	70.2	70.2	39.6	39.6
3-4 AM	111	0.0	8	0.0	OFF	111	0	8	0.00	0	70.2	70.2	70.2	39.6	39.6
4-5 AM	124	0.0	9	0.0	OFF	124	0	9	0.00	0	70.2	70.2	70.2	39.6	39.6
5-6 AM	177	0.0	13	0.0	OFF	177	0	13	0.00	0	70.2	70.2	70.2	39.6	39.6
6-7 AM	315	0.0	23	0.0	OFF	315	0	23	0.00	0	70.2	70.2	70.2	39.4	39.4
7-8 AM	595	0.0	44	0.0	OFF	595	0	44	0.00	0	70.0	70.0	70.0	39.2	39.2
8-9 AM	971	0.0	72	0.0	OFF	971	0	72	0.00	0	69.6	69.6	69.6	38.9	38.9
9-10 AM	1452	0.0	108	0.0	1499	1452	0	108	1.30	8	68.9	60.7	32.7	38.4	38.4
10-11 AM	1904	0.0	141	0.0	1500	1904	0	141	8.40	215	68.4	36.7	30.8	38.0	38.0
11A-NOON	2140	0.0	158	0.0	1500	2107	33	191	28.38	742	68.1	17.5	30.8	37.8	37.4
NOON-1PM	2161	0.0	159	0.0	1500	1621	539	699	43.69	1118	68.1	12.4	30.8	37.8	31.1
1-2 PM	2182	0.0	161	0.0	1500	1532	650	811	46.21	1184	68.0	11.9	30.8	37.8	29.7
2-3 PM	2230	0.0	164	0.0	1500	1529	700	865	47.48	1217	67.9	11.6	30.8	37.7	29.0
3-4 PM	2158	0.0	159	0.0	1500	1462	695	855	47.25	1211	68.1	11.7	30.8	37.8	29.1
4-5 PM	2064	0.0	152	0.0	1500	1444	620	772	45.33	1160	68.2	12.1	30.8	37.9	30.2
5-6 PM	2032	0.0	150	0.0	1500	1470	562	712	44.00	1125	68.2	12.4	30.8	37.9	30.9
6-7 PM	1781	0.0	132	0.0	1500	1363	418	550	40.76	1040	68.5	13.2	30.8	38.1	32.9
7-8 PM	1377	0.0	101	0.0	OFF	1377	0	101	1.18	101	69.0	61.5	61.5	38.5	38.5
8-9 PM	1020	0.0	75	0.0	OFF	1020	0	75	0.00	0	69.5	69.5	69.5	38.8	38.8
9-10 PM	726	0.0	54	0.0	OFF	726	0	54	0.00	0	69.8	69.8	69.8	39.1	39.1
10-11 PM	480	0.0	36	0.0	OFF	480	0	36	0.00	0	70.1	70.1	70.1	39.3	39.3
11PM-MID	363	0.0	26	0.0	OFF	363	0	26	0.00	0	70.2	70.2	70.2	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 (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	0.0475
MAIN ROUTE WITH WORKS	0.0390
DIVERSION	0.2019

PIA: Personal Injury Accidents

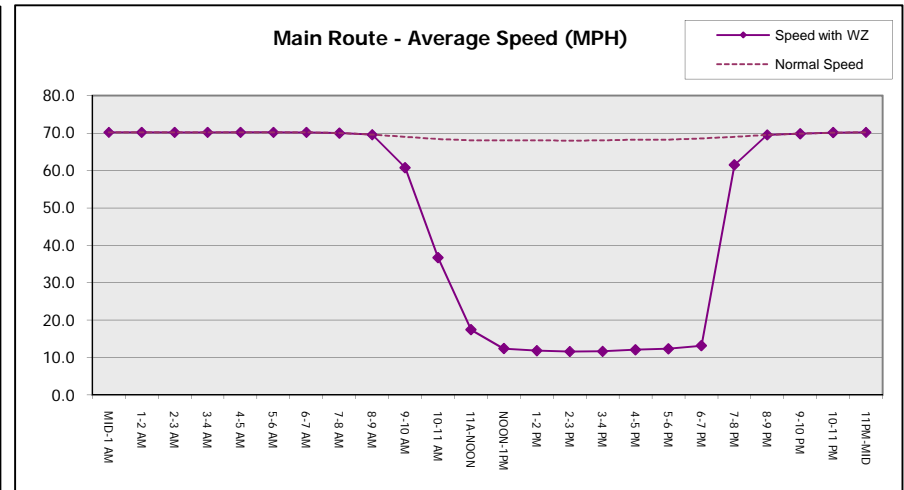
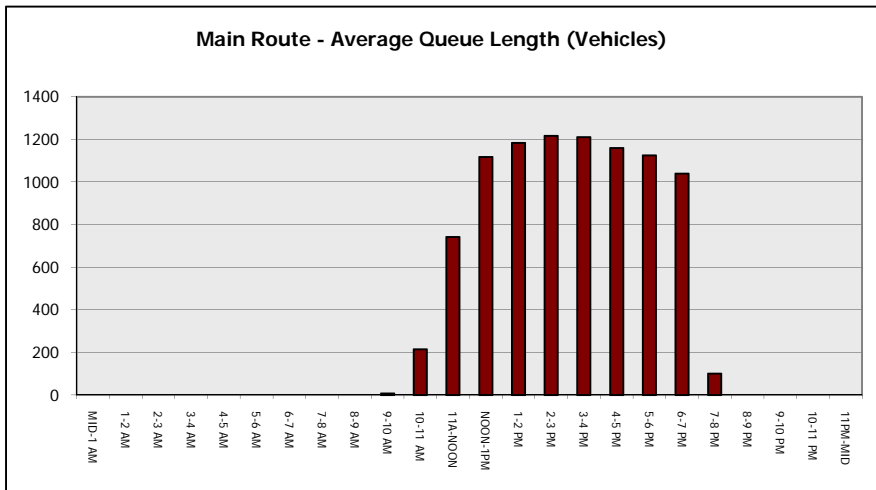
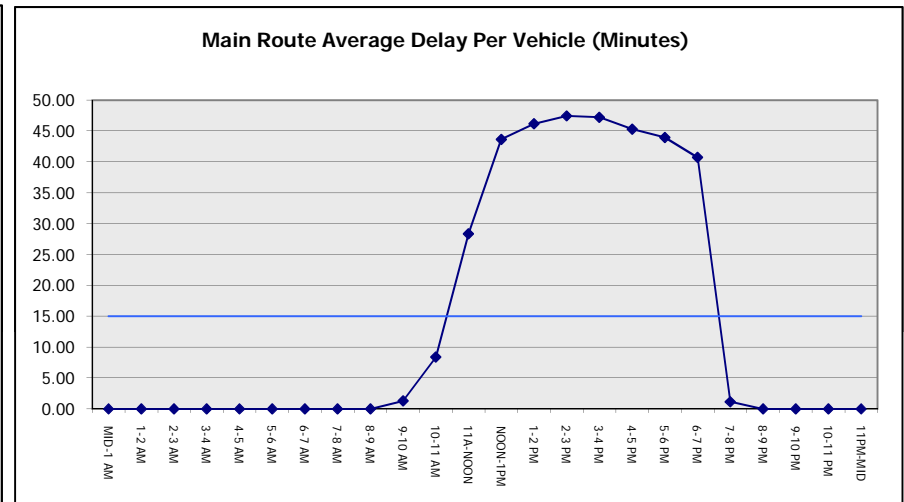
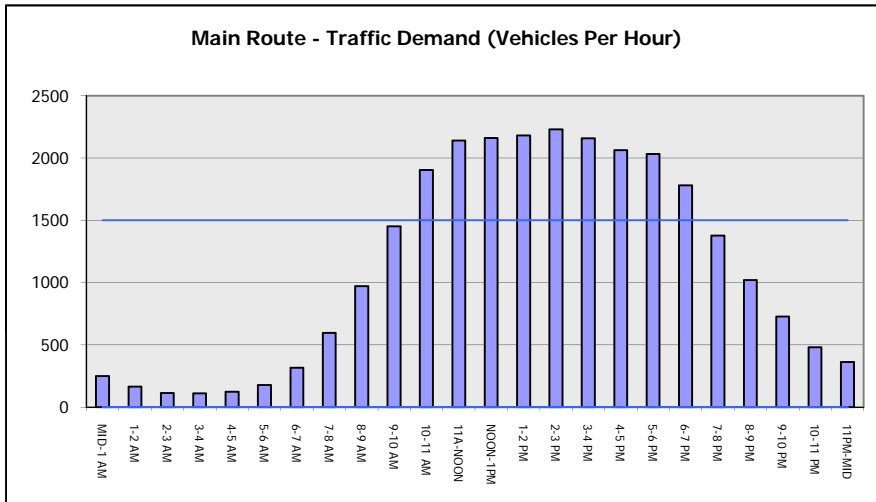
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$226,995
CONGESTED HOURS PER DAY*	8

*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

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) OFF-PEAK DAY 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			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	312	0.0	23	0.0	OFF	312	0	23	0.00	0	70.2	70.2	70.2	39.4	39.4
1-2 AM	230	0.0	17	0.0	OFF	230	0	17	0.00	0	70.2	70.2	70.2	39.6	39.6
2-3 AM	213	0.0	15	0.0	OFF	213	0	15	0.00	0	70.2	70.2	70.2	39.6	39.6
3-4 AM	169	0.0	12	0.0	OFF	169	0	12	0.00	0	70.2	70.2	70.2	39.6	39.6
4-5 AM	159	0.0	12	0.0	OFF	159	0	12	0.00	0	70.2	70.2	70.2	39.6	39.6
5-6 AM	220	0.0	16	0.0	OFF	220	0	16	0.00	0	70.2	70.2	70.2	39.6	39.6
6-7 AM	306	0.0	22	0.0	OFF	306	0	22	0.00	0	70.2	70.2	70.2	39.5	39.5
7-8 AM	561	0.0	42	0.0	OFF	561	0	42	0.00	0	70.0	70.0	70.0	39.2	39.2
8-9 AM	1007	0.0	74	0.0	OFF	1007	0	74	0.00	0	69.5	69.5	69.5	38.8	38.8
9-10 AM	1634	0.0	121	0.0	1499	1634	0	121	2.31	37	68.7	55.5	31.1	38.3	38.3
10-11 AM	2324	0.0	172	0.0	1500	2320	4	176	18.62	524	67.9	23.4	30.8	37.6	37.6
11A-NOON	2808	0.0	207	0.0	1500	2069	739	946	49.45	1284	67.3	11.2	30.8	37.2	28.0
NOON-1PM	2933	0.0	216	0.0	1500	1745	1188	1404+	64.55	1669	67.1	8.9	30.8	37.1	22.3
1-2 PM	2955	0.0	218	0.0	1500	1624	1332	1550+	71.13	1840	67.1	8.2	30.8	37.0	20.5
2-3 PM	3234	0.0	238	0.0	1500	1658	1576	1814+	77.65	2012	66.7	7.6	30.8	36.8	18.9
3-4 PM	3386	0.0	250	0.0	1500	1500	1886	2135+	79.16	2052	66.5	7.5	30.8	36.6	18.6
4-5 PM	3260	0.0	241	0.0	1500	1500	1760	2000+	79.18	2052	66.7	7.5	30.8	36.8	18.6
5-6 PM	2965	0.0	219	0.0	1500	1429	1536	1755+	78.55	2034	67.1	7.5	30.8	37.0	18.8
6-7 PM	2511	0.0	186	0.0	1500	1153	1357	1543+	70.86	1834	67.6	8.3	30.8	37.4	20.6
7-8 PM	2026	0.0	149	0.0	OFF	2026	0	149	3.78	341	68.2	49.2	49.2	37.9	37.9
8-9 PM	1702	0.0	126	0.0	OFF	1702	0	126	0.00	0	68.6	68.6	68.6	38.2	38.2
9-10 PM	1216	0.0	89	0.0	OFF	1216	0	89	0.00	0	69.2	69.2	69.2	38.6	38.6
10-11 PM	853	0.0	63	0.0	OFF	853	0	63	0.00	0	69.7	69.7	69.7	38.9	38.9
11PM-MID	514	0.0	38	0.0	OFF	514	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)

+ 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	0.0662
MAIN ROUTE WITH WORKS	0.0450
DIVERSION	0.4602

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$547,198
CONGESTED HOURS PER DAY*	9

*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

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

