

IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY) CONTINUOUS (24 HOUR) 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	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	1500	1292	86	187	34.07	865	69.0	15.2	30.8	38.5	37.4
8-9 PM	1020	0.0	75	0.0	1500	1020	0	75	20.86	539	69.5	21.9	31.4	38.8	38.8
9-10 PM	726	0.0	54	0.0	1500	726	0	54	2.05	55	69.8	57.4	42.4	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

----- 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	0.0384
DIVERSION	0.2047

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$257,107
CONGESTED HOURS PER DAY*	10

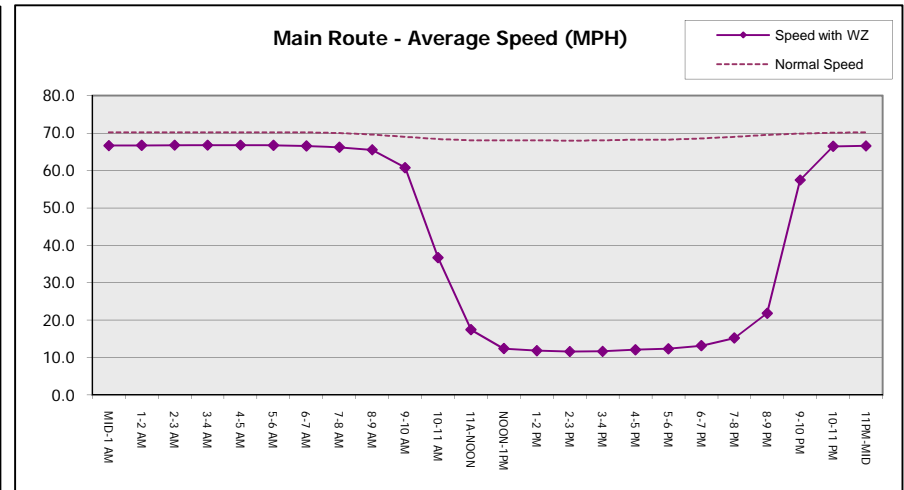
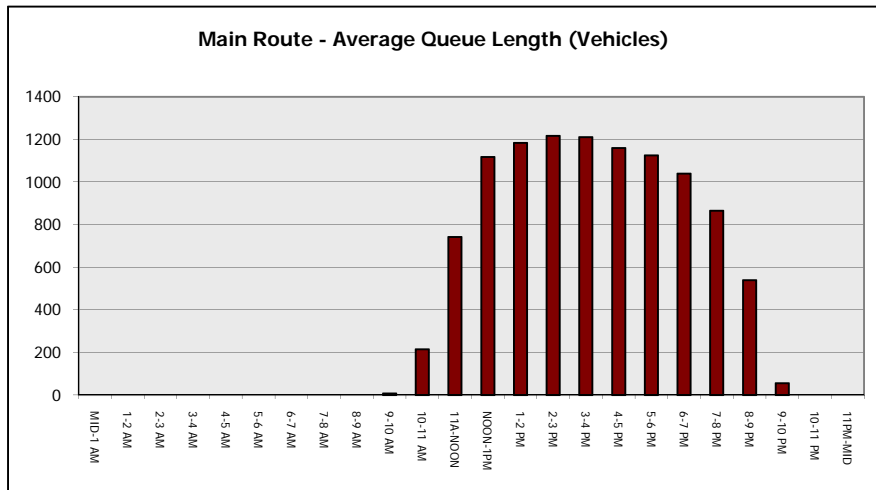
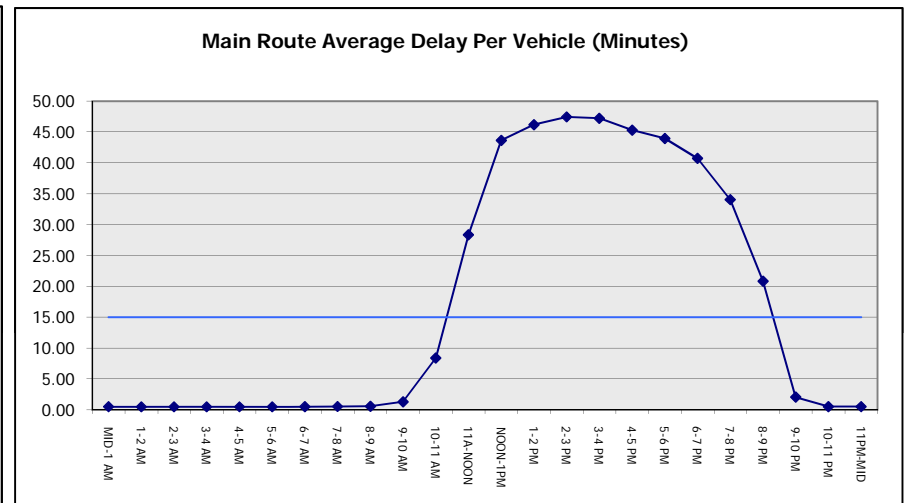
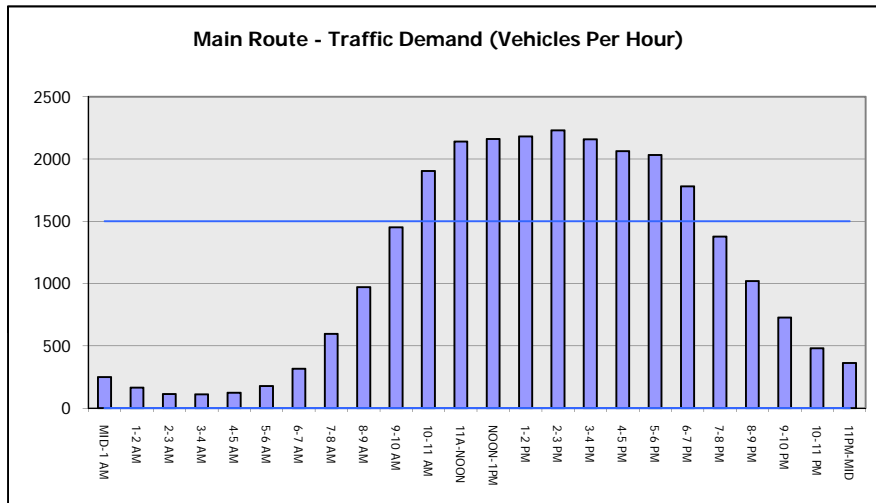
*Delays Exceeding 15 Minutes

IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)
CONTINUOUS (24 HOUR) 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) CONTINUOUS (24 HOUR) 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	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	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	1500	1049	977	1126	54.72	1414	68.2	10.3	30.8	37.9	25.8
8-9 PM	1702	0.0	126	0.0	1500	1240	461	587	41.49	1061	68.6	13.0	30.8	38.2	32.5
9-10 PM	1216	0.0	89	0.0	1500	1180	36	125	31.22	793	69.2	16.3	30.8	38.6	38.2
10-11 PM	853	0.0	63	0.0	1499	853	0	63	10.34	315	69.7	33.5	36.6	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

+ 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	0.0419
DIVERSION	0.5082

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$636,899
CONGESTED HOURS PER DAY*	12

*Delays Exceeding 15 Minutes

IH 39/90/94: IH 39 & IH 90/94 TO STH 60 (COLUMBIA COUNTY)
CONTINUOUS (24 HOUR) 2 LANE CLOSURE
DIVERSION ROUTE: STH 60 - USH 51 - STH 16 - IH 39

MAY
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

