

2035 Metrolina CO Emissions

2035 - LRTP 12/14/09

	Model		CO RATES			NOX kg/day
	VMT	MPH	IM	No IM	Comp	
Mecklenburg AM Peak						
Rural Principal Arterial	59,948	23	6.423	8.534	6.634	398
Rural Minor Arterial	43,838	14	7.594	10.334	7.868	345
Rural Major Collector	6,448	15	7.553	10.300	7.828	50
Rural Minor Collector	73,474	27	6.635	8.846	6.856	504
Rural Local	200,117	27	6.508	8.637	6.721	1,345
Urban Interstate	1,789,625	31	6.026	7.943	6.218	11,127
Urban Other Freeway/Xprway	2,238,014	48	6.975	9.248	7.202	16,119
Urban Principal Arterial	1,305,279	20	7.104	9.604	7.354	9,599
Urban Minor Arterial	1,434,524	20	7.114	9.608	7.363	10,563
Urban Collector	1,206,798	17	7.396	10.053	7.662	9,246
Urban Local	2,101,390	21	7.029	9.453	7.271	15,280
Urban HOV	65,128	63	8.381	11.198	8.663	564
Mecklenburg	10,524,582		90%	10%		75,140
Mecklenburg Midday						
Rural Principal Arterial	82,219	31	6.257	8.292	6.461	531
Rural Minor Arterial	61,906	17	7.196	9.715	7.448	461
Rural Major Collector	9,572	24	6.787	9.096	7.018	67
Rural Minor Collector	108,895	32	6.569	8.722	6.784	739
Rural Local	316,231	28	6.480	8.592	6.691	2,116
Urban Interstate	2,700,014	44	6.392	8.436	6.596	17,810
Urban Other Freeway/Xprway	2,724,132	57	7.473	9.886	7.714	21,015
Urban Principal Arterial	2,004,011	24	6.865	9.225	7.101	14,230
Urban Minor Arterial	2,227,252	23	6.924	9.308	7.162	15,952
Urban Collector	1,875,957	21	7.056	9.511	7.302	13,697
Urban Local	3,450,116	21	7.029	9.453	7.271	25,087
Urban HOV	63,036	67	8.488	11.338	8.773	553
Mecklenburg	15,623,342		90%	10%		112,260
Mecklenburg PM Peak						
Rural Principal Arterial	67,966	23	6.423	8.534	6.634	451
Rural Minor Arterial	49,526	15	7.448	10.105	7.714	382
Rural Major Collector	7,159	17	7.310	9.915	7.571	54
Rural Minor Collector	88,835	24	6.740	9.019	6.968	619
Rural Local	236,440	25	6.570	8.739	6.787	1,605
Urban Interstate	1,959,048	29	6.052	7.978	6.245	12,233
Urban Other Freeway/Xprway	2,517,308	45	6.816	9.040	7.038	17,718
Urban Principal Arterial	1,532,639	17	7.368	10.031	7.634	11,701
Urban Minor Arterial	1,696,139	17	7.381	10.039	7.647	12,970
Urban Collector	1,400,690	16	7.509	10.234	7.782	10,899
Urban Local	2,502,641	19	7.184	9.696	7.435	18,608
Urban HOV	62,006	61	8.267	11.049	8.545	530
Mecklenburg	12,120,396		90%	10%		87,770
Mecklenburg Night						
Rural Principal Arterial	43,850	45	6.715	8.899	6.933	304
Rural Minor Arterial	39,147	31	6.471	8.583	6.682	262
Rural Major Collector	6,310	34	6.627	8.802	6.845	43
Rural Minor Collector	52,224	43	6.964	9.241	7.192	376
Rural Local	148,446	29	6.454	8.549	6.664	989
Urban Interstate	1,684,804	61	7.322	9.611	7.551	12,722
Urban Other Freeway/Xprway	1,385,025	61	7.730	10.205	7.978	11,049
Urban Principal Arterial	1,056,519	35	6.724	8.945	6.946	7,339
Urban Minor Arterial	1,157,396	35	6.724	8.940	6.946	8,039
Urban Collector	974,118	33	6.727	8.948	6.949	6,769
Urban Local	1,614,478	24	6.847	9.173	7.080	11,430
Urban HOV	4,160	68	8.488	11.338	8.773	36
Mecklenburg	8,166,479		90%	10%		59,357
Mecklenburg 24 Hour						
Rural Principal Arterial	253,983					1,684
Rural Minor Arterial	194,417					1,450
Rural Major Collector	29,490					215
Rural Minor Collector	323,428					2,237
Rural Local	901,234					6,055
Urban Interstate	8,133,491					53,893
Urban Other Freeway/Xprway	8,864,478					65,900
Urban Principal Arterial	5,898,449					42,869
Urban Minor Arterial	6,515,311					47,524
Urban Collector	5,457,563					40,612
Urban Local	9,668,624					70,405
Urban HOV	194,330					1,684
Mecklenburg	46,434,799		model kg / day	CO		334,527
			model emissions (tons)			368.8
			emissions budget			470.2
			budget minus model			101.4
			Kg->Tons Constant			907.1847