

Appendix G Mobile 6.2 Emission Factors

2010 Emission Factors for Iredell County																	
Road Type	2010 - AM Peak				2010 - Midday Peak				2010 - PM Peak				2010 - Night Peak				
	NOX		VOC		NOX		VOC		NOX		VOC		NOX		VOC		
	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	
Rural interstate	2.121	2.202	0.791	0.852	2.820	2.902	0.757	0.811	2.121	2.202	0.791	0.852	2.820	2.902	0.757	0.811	
Rural minor arterial	1.139	1.249	1.205	1.325	1.106	1.213	1.147	1.261	1.179	1.292	1.283	1.412	1.018	1.115	0.933	1.018	
Rural major collector	0.891	0.993	1.004	1.101	0.884	0.985	0.974	1.066	0.906	1.010	1.038	1.140	0.914	1.015	0.916	1.001	
Rural minor collector	0.964	1.068	1.061	1.164	0.964	1.068	1.061	1.164	0.982	1.088	1.093	1.201	0.935	1.034	0.940	1.028	
Rural local	1.056	1.154	1.014	1.110	1.049	1.147	1.003	1.097	1.056	1.154	1.014	1.110	1.044	1.141	0.980	1.071	
Urban principal arterial	0.856	0.964	1.086	1.195	0.848	0.956	1.071	1.178	0.884	0.996	1.141	1.258	0.810	0.913	0.972	1.065	
Urban minor arterial	0.859	0.969	1.103	1.214	0.843	0.951	1.072	1.179	0.879	0.991	1.142	1.258	0.806	0.909	0.972	1.065	
Urban collector	0.858	0.968	1.123	1.236	0.879	0.992	1.165	1.284	0.891	1.005	1.189	1.312	0.803	0.907	1.001	1.099	
Urban local	0.872	0.979	1.085	1.192	0.881	0.989	1.101	1.211	0.881	0.989	1.101	1.211	0.865	0.971	1.070	1.175	
2015 Emission Factors for Iredell County																	
Road Type	2015 - AM Peak				2015 - Midday Peak				2015 - PM Peak				2015 - Night Peak				
	NOX		VOC		NOX		VOC		NOX		VOC		NOX		VOC		
	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	
Rural interstate	0.960	1.063	0.574	0.657	1.214	1.319	0.539	0.611	0.929	1.032	0.588	0.674	1.413	1.518	0.533	0.601	
Rural minor arterial	0.658	0.800	0.826	0.977	0.658	0.800	0.826	0.977	0.698	0.848	0.920	1.088	0.574	0.698	0.651	0.762	
Rural major collector	0.525	0.655	0.683	0.804	0.520	0.649	0.664	0.779	0.536	0.669	0.705	0.831	0.533	0.660	0.628	0.733	
Rural minor collector	0.555	0.686	0.703	0.827	0.547	0.676	0.687	0.808	0.551	0.681	0.695	0.817	0.549	0.675	0.628	0.733	

Rural local	0.608	0.733	0.699	0.819		0.603	0.728	0.691	0.809		0.608	0.733	0.699	0.819		0.593	0.715	0.663	0.774
Urban principal arterial	0.512	0.650	0.726	0.859		0.508	0.644	0.717	0.848		0.529	0.671	0.760	0.902		0.486	0.617	0.662	0.779
Urban minor arterial	0.527	0.668	0.760	0.902		0.515	0.654	0.737	0.872		0.540	0.685	0.788	0.938		0.484	0.615	0.663	0.779
Urban collector	0.506	0.643	0.727	0.859		0.506	0.643	0.727	0.859		0.516	0.656	0.748	0.887		0.483	0.615	0.675	0.794
Urban local	0.521	0.656	0.726	0.856		0.521	0.656	0.726	0.856		0.526	0.662	0.736	0.870		0.512	0.645	0.708	0.835
2025 Emission Factors for Iredell County																			
Road Type	2025 - AM Peak					2025 - Midday Peak					2025 - PM Peak					2025 - Night Peak			
	NOX		VOC			NOX		VOC			NOX		VOC			NOX		VOC	
	IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM
Rural interstate	0.327	0.449	0.337	0.459		0.353	0.476	0.280	0.382		0.328	0.450	0.342	0.466		0.487	0.615	0.267	0.355
Rural minor arterial	0.315	0.502	0.534	0.754		0.307	0.488	0.510	0.720		0.337	0.535	0.597	0.842		0.247	0.396	0.335	0.480
Rural major collector	0.246	0.408	0.368	0.533		0.234	0.389	0.339	0.491		0.249	0.413	0.375	0.544		0.230	0.381	0.304	0.439
Rural minor collector	0.248	0.407	0.361	0.521		0.239	0.392	0.339	0.489		0.248	0.407	0.361	0.521		0.237	0.386	0.300	0.430
Rural local	0.260	0.411	0.356	0.507		0.257	0.407	0.351	0.499		0.262	0.415	0.363	0.517		0.249	0.393	0.327	0.466
Urban principal arterial	0.240	0.408	0.374	0.547		0.237	0.403	0.367	0.536		0.251	0.426	0.405	0.592		0.220	0.375	0.323	0.471
Urban minor arterial	0.255	0.432	0.422	0.614		0.247	0.419	0.391	0.572		0.272	0.459	0.486	0.698		0.220	0.375	0.323	0.470
Urban collector	0.239	0.406	0.374	0.546		0.239	0.406	0.374	0.546		0.246	0.417	0.390	0.571		0.219	0.374	0.323	0.470
Urban local	0.237	0.399	0.361	0.524		0.234	0.395	0.355	0.514		0.240	0.403	0.367	0.534		0.232	0.391	0.349	0.507
2035 Emission Factors for Iredell County																			
Road Type	2035 - AM Peak					2035 - Midday Peak					2035 - PM Peak					2035 - Night Peak			
	NOX		VOC			NOX		VOC			NOX		VOC			NOX		VOC	

2015 Emission Factors for Cabarrus County																	
Road Type	2015 - AM Peak				2015 - Midday Peak				2015 - PM Peak				2015 - Night Peak				
	NOX		VOC		NOX		VOC		NOX		VOC		NOX		VOC		
	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	
Rural principal arterial	0.741	0.861	0.590	0.684	0.776	0.897	0.580	0.670	0.734	0.853	0.593	0.687	0.806	0.927	0.573	0.660	
Rural minor arterial	0.659	0.783	0.588	0.679	0.715	0.841	0.579	0.664	0.652	0.776	0.590	0.682	0.744	0.870	0.577	0.660	
Rural major collector	0.521	0.649	0.645	0.755	0.533	0.660	0.628	0.733	0.518	0.645	0.653	0.765	0.562	0.690	0.605	0.703	
Rural minor collector	0.542	0.668	0.638	0.746	0.556	0.682	0.622	0.725	0.542	0.668	0.638	0.746	0.571	0.698	0.610	0.710	
Rural local	0.608	0.733	0.699	0.819	0.608	0.733	0.699	0.819	0.603	0.728	0.691	0.809	0.608	0.733	0.699	0.819	
Urban interstate	0.796	0.908	0.601	0.694	1.131	1.246	0.551	0.626	0.778	0.890	0.620	0.718	1.155	1.271	0.550	0.625	
Urban principal arterial	0.503	0.638	0.709	0.837	0.496	0.629	0.694	0.819	0.517	0.656	0.737	0.872	0.491	0.621	0.642	0.753	
Urban minor arterial	0.506	0.642	0.718	0.848	0.498	0.631	0.701	0.828	0.515	0.654	0.737	0.872	0.488	0.618	0.646	0.757	
Urban collector	0.506	0.643	0.727	0.859	0.490	0.623	0.694	0.819	0.516	0.656	0.748	0.887	0.482	0.612	0.650	0.762	
Urban local	0.521	0.656	0.726	0.856	0.526	0.662	0.736	0.870	0.526	0.662	0.736	0.870	0.516	0.650	0.717	0.845	
2025 Emission Factors for Cabarrus County																	
Road Type	2025 - AM Peak				2025 - Midday Peak				2025 - PM Peak				2025 - Night Peak				
	NOX		VOC		NOX		VOC		NOX		VOC		NOX		VOC		
	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	
Rural principal arterial	0.277	0.419	0.293	0.415	0.289	0.432	0.285	0.402	0.277	0.419	0.293	0.415	0.308	0.453	0.277	0.389	
Rural minor arterial	0.253	0.400	0.292	0.416	0.269	0.418	0.282	0.399	0.252	0.399	0.294	0.419	0.277	0.427	0.279	0.393	
Rural major collector	0.229	0.381	0.323	0.467	0.227	0.378	0.311	0.448	0.231	0.383	0.331	0.479	0.241	0.393	0.290	0.417	
Rural minor collector	0.233	0.382	0.319	0.460	0.235	0.384	0.304	0.436	0.233	0.382	0.319	0.460	0.245	0.395	0.291	0.417	
Rural local	0.257	0.407	0.351	0.499	0.255	0.404	0.345	0.492	0.255	0.404	0.345	0.492	0.255	0.404	0.345	0.492	

Urban interstate	0.296	0.429	0.297	0.415		0.375	0.513	0.272	0.371		0.291	0.424	0.307	0.428		0.417	0.556	0.272	0.367
Urban principal arterial	0.235	0.399	0.361	0.526		0.228	0.388	0.344	0.501		0.240	0.408	0.374	0.547		0.220	0.374	0.307	0.445
Urban minor arterial	0.234	0.398	0.361	0.526		0.230	0.390	0.349	0.509		0.243	0.413	0.382	0.559		0.219	0.373	0.309	0.448
Urban collector	0.239	0.406	0.374	0.546		0.229	0.389	0.349	0.508		0.246	0.417	0.390	0.571		0.218	0.371	0.311	0.452
Urban local	0.237	0.399	0.361	0.524		0.237	0.399	0.361	0.524		0.237	0.399	0.361	0.524		0.232	0.391	0.349	0.507
2035 Emission Factors for Cabarrus County																			
Road Type	2035 - AM Peak					2035 - Midday Peak					2035 - PM Peak					2035 - Night Peak			
	NOX		VOC			NOX		VOC			NOX		VOC			NOX		VOC	
	IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM
Rural principal arterial	0.199	0.341	0.279	0.401		0.207	0.350	0.272	0.389		0.199	0.341	0.279	0.401		0.215	0.360	0.267	0.380
Rural minor arterial	0.184	0.330	0.291	0.422		0.192	0.340	0.277	0.400		0.182	0.328	0.296	0.428		0.198	0.347	0.272	0.391
Rural major collector	0.177	0.329	0.308	0.451		0.178	0.329	0.295	0.431		0.179	0.331	0.315	0.461		0.186	0.339	0.279	0.406
Rural minor collector	0.181	0.332	0.318	0.465		0.177	0.326	0.301	0.439		0.183	0.335	0.322	0.471		0.185	0.336	0.281	0.409
Rural local	0.192	0.342	0.337	0.486		0.190	0.339	0.332	0.479		0.192	0.342	0.337	0.486		0.190	0.339	0.332	0.479
Urban interstate	0.214	0.349	0.270	0.381		0.272	0.412	0.259	0.356		0.214	0.349	0.270	0.381		0.272	0.412	0.259	0.356
Urban principal arterial	0.182	0.342	0.332	0.490		0.177	0.334	0.319	0.471		0.188	0.352	0.348	0.514		0.176	0.330	0.292	0.429
Urban minor arterial	0.183	0.344	0.337	0.497		0.178	0.335	0.323	0.477		0.187	0.351	0.348	0.513		0.175	0.329	0.294	0.432
Urban collector	0.192	0.359	0.361	0.534		0.183	0.343	0.337	0.496		0.194	0.364	0.369	0.545		0.173	0.326	0.300	0.441
Urban local	0.190	0.353	0.354	0.521		0.187	0.349	0.348	0.511		0.190	0.353	0.354	0.521		0.183	0.342	0.337	0.494

2010 Emission Factors for Gaston County																			
Road Type	2010 - AM Peak					2010 - Midday Peak					2010 - PM Peak					2010 - Night Peak			
	NOX		VOC			NOX		VOC			NOX		VOC			NOX		VOC	

	IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM
Rural interstate	1.403	1.475	0.497	0.553		1.883	1.955	0.470	0.518		1.744	1.816	0.473	0.522		1.942	2.014	0.469	0.517
Rural principal arterial	1.104	1.187	0.508	0.567		1.168	1.252	0.503	0.561		1.144	1.228	0.505	0.563		1.192	1.275	0.502	0.559
Rural minor arterial	0.782	0.867	0.543	0.611		0.825	0.911	0.528	0.592		0.776	0.862	0.546	0.614		0.845	0.931	0.523	0.586
Rural major collector	0.667	0.756	0.562	0.635		0.710	0.799	0.538	0.605		0.670	0.758	0.559	0.631		0.739	0.828	0.529	0.593
Rural minor collector	0.702	0.790	0.556	0.627		0.708	0.795	0.553	0.624		0.702	0.790	0.556	0.627		0.708	0.795	0.553	0.624
Rural local	0.793	0.880	0.609	0.688		0.793	0.880	0.609	0.688		0.787	0.874	0.602	0.680		0.793	0.880	0.609	0.688
Urban interstate	1.126	1.204	0.523	0.585		1.606	1.685	0.486	0.537		1.116	1.194	0.526	0.588		1.606	1.685	0.486	0.537
Urban freeway	0.995	1.080	0.516	0.578		1.037	1.122	0.510	0.570		1.010	1.094	0.514	0.575		1.059	1.144	0.509	0.568
Urban principal arterial	0.614	0.706	0.608	0.691		0.604	0.695	0.580	0.657		0.619	0.711	0.614	0.698		0.615	0.705	0.564	0.638
Urban minor arterial	0.609	0.700	0.601	0.683		0.603	0.694	0.576	0.653		0.609	0.700	0.601	0.683		0.611	0.702	0.564	0.637
Urban collector	0.608	0.701	0.614	0.697		0.623	0.718	0.635	0.722		0.659	0.758	0.687	0.783		0.604	0.696	0.608	0.690
Urban local	0.659	0.754	0.651	0.740		0.659	0.754	0.651	0.740		0.659	0.754	0.651	0.740		0.659	0.754	0.651	0.740
2015 Emission Factors for Gaston County																			
Road Type	2015 - AM Peak					2015 - Midday Peak					2015 - PM Peak					2015 - Night Peak			
	NOX		VOC			NOX		VOC			NOX		VOC			NOX		VOC	
	IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM
Rural interstate	0.574	0.658	0.344	0.408		0.768	0.854	0.327	0.382		0.685	0.770	0.329	0.386		0.790	0.876	0.327	0.381
Rural principal arterial	0.476	0.573	0.351	0.420		0.511	0.609	0.346	0.413		0.501	0.599	0.347	0.414		0.529	0.628	0.346	0.411
Rural minor arterial	0.375	0.475	0.373	0.451		0.398	0.499	0.360	0.433		0.375	0.475	0.373	0.451		0.410	0.511	0.356	0.428
Rural major collector	0.341	0.444	0.381	0.463		0.359	0.463	0.366	0.442		0.341	0.444	0.381	0.463		0.371	0.475	0.361	0.435
Rural minor collector	0.354	0.456	0.375	0.455		0.356	0.458	0.373	0.452		0.354	0.456	0.375	0.455		0.356	0.458	0.373	0.452
Rural local	0.387	0.488	0.409	0.496		0.387	0.488	0.409	0.496		0.384	0.484	0.404	0.491		0.387	0.488	0.409	0.496
Urban interstate	0.500	0.591	0.352	0.421		0.677	0.771	0.337	0.396		0.500	0.591	0.352	0.421		0.693	0.787	0.337	0.395
Urban freeway	0.457	0.556	0.352	0.422		0.473	0.574	0.349	0.418		0.462	0.562	0.351	0.421		0.482	0.582	0.349	0.417

Road Type	2035 - AM Peak				2035 - Midday Peak				2035 - PM Peak				2035 - Night Peak			
	NOX		VOC		NOX		VOC		NOX		VOC		NOX		VOC	
	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM
Rural interstate	0.193	0.287	0.278	0.367	0.214	0.309	0.209	0.280	0.189	0.282	0.252	0.336	0.254	0.352	0.206	0.272
Rural principal arterial	0.174	0.283	0.222	0.308	0.187	0.298	0.214	0.296	0.183	0.293	0.215	0.298	0.196	0.308	0.212	0.291
Rural minor arterial	0.159	0.272	0.248	0.349	0.160	0.273	0.224	0.315	0.158	0.271	0.245	0.344	0.167	0.281	0.218	0.305
Rural major collector	0.155	0.274	0.255	0.360	0.150	0.266	0.232	0.329	0.157	0.277	0.258	0.365	0.159	0.276	0.220	0.311
Rural minor collector	0.152	0.266	0.237	0.335	0.153	0.267	0.230	0.325	0.152	0.266	0.237	0.335	0.154	0.268	0.227	0.321
Rural local	0.162	0.275	0.255	0.355	0.162	0.275	0.255	0.355	0.162	0.275	0.255	0.355	0.163	0.278	0.258	0.360
Urban interstate	0.174	0.276	0.235	0.321	0.210	0.315	0.209	0.284	0.174	0.276	0.237	0.325	0.242	0.350	0.210	0.281
Urban freeway	0.174	0.285	0.219	0.305	0.180	0.292	0.215	0.299	0.174	0.285	0.219	0.305	0.187	0.301	0.213	0.294
Urban principal arterial	0.154	0.276	0.258	0.367	0.146	0.264	0.236	0.336	0.155	0.279	0.262	0.372	0.149	0.267	0.229	0.326
Urban minor arterial	0.156	0.281	0.266	0.377	0.147	0.265	0.240	0.342	0.155	0.278	0.262	0.372	0.148	0.266	0.230	0.327
Urban collector	0.155	0.280	0.265	0.377	0.154	0.277	0.261	0.372	0.164	0.294	0.285	0.406	0.145	0.263	0.238	0.339
Urban local	0.158	0.283	0.269	0.382	0.158	0.283	0.269	0.382	0.158	0.283	0.269	0.382	0.157	0.280	0.265	0.375

2010 Emission Factors for Lincoln County																
Road Type	2010 - AM Peak				2010 - Midday Peak				2010 - PM Peak				2010 - Night Peak			
	NOX		VOC		NOX		VOC		NOX		VOC		NOX		VOC	
	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM
Rural principal arterial	1.540	1.634	0.824	0.893	1.601	1.695	0.818	0.885	1.488	1.582	0.832	0.902	1.746	1.841	0.807	0.871
Rural minor arterial	1.008	1.106	0.962	1.052	1.021	1.119	0.926	1.011	1.013	1.111	0.982	1.074	1.092	1.190	0.878	0.956
Rural major collector	1.014	1.115	0.858	0.932	1.029	1.130	0.854	0.928	1.005	1.105	0.862	0.937	1.044	1.145	0.851	0.924
Rural minor collector	0.954	1.053	0.917	1.001	0.980	1.080	0.896	0.977	0.960	1.059	0.911	0.995	0.998	1.097	0.886	0.965
Rural local	1.056	1.154	1.014	1.110	1.056	1.154	1.014	1.110	1.056	1.154	1.014	1.110	1.056	1.154	1.014	1.110
Urban principal arterial	0.828	0.930	0.934	1.022	0.828	0.930	0.934	1.022	0.820	0.923	0.946	1.035	0.864	0.967	0.898	0.980
Urban minor arterial	0.879	0.991	1.142	1.258	0.859	0.969	1.103	1.214	0.902	1.017	1.188	1.311	0.824	0.929	1.033	1.136
Urban collector	0.826	0.933	1.059	1.164	0.806	0.910	1.012	1.111	0.820	0.926	1.046	1.150	0.798	0.902	0.982	1.077
Urban local	0.872	0.979	1.085	1.192	0.872	0.979	1.085	1.192	0.872	0.979	1.085	1.192	0.872	0.979	1.085	1.192

2035 Emission Factors for Lincoln County																	
Road Type	2035 - AM Peak				2035 - Midday Peak				2035 - PM Peak				2035 - Night Peak				
	NOX		VOC		NOX		VOC		NOX		VOC		NOX		VOC		
	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	
Rural principal arterial	0.198	0.340	0.281	0.404	0.207	0.350	0.272	0.389	0.195	0.337	0.285	0.409	0.222	0.368	0.265	0.375	
Rural minor arterial	0.188	0.338	0.327	0.474	0.184	0.331	0.314	0.456	0.194	0.348	0.342	0.496	0.185	0.332	0.287	0.416	
Rural major collector	0.187	0.340	0.278	0.404	0.191	0.345	0.274	0.397	0.185	0.338	0.281	0.409	0.196	0.352	0.270	0.389	
Rural minor collector	0.178	0.327	0.304	0.443	0.181	0.330	0.290	0.422	0.178	0.327	0.304	0.443	0.187	0.337	0.280	0.406	
Rural local	0.190	0.339	0.332	0.479	0.190	0.339	0.332	0.479	0.190	0.339	0.332	0.479	0.188	0.336	0.327	0.472	
Urban principal arterial	0.173	0.327	0.302	0.445	0.174	0.328	0.305	0.450	0.176	0.331	0.312	0.460	0.180	0.335	0.285	0.418	
Urban minor arterial	0.219	0.407	0.471	0.683	0.209	0.390	0.427	0.624	0.232	0.429	0.516	0.747	0.183	0.344	0.337	0.497	
Urban collector	0.213	0.397	0.447	0.652	0.187	0.351	0.348	0.513	0.204	0.382	0.408	0.600	0.174	0.329	0.312	0.459	
Urban local	0.185	0.346	0.342	0.502	0.185	0.346	0.342	0.502	0.187	0.349	0.348	0.511	0.185	0.346	0.342	0.502	

2010 Emission Factors for Rowan County																	
Road Type	2010 - AM Peak				2010 - Midday Peak				2010 - PM Peak				2010 - Night Peak				
	NOX		VOC		NOX		VOC		NOX		VOC		NOX		VOC		
	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	
Rural principal arterial	1.260	1.355	0.963	1.052	1.425	1.519	0.845	0.918	1.301	1.395	0.890	0.970	1.629	1.724	0.815	0.881	
Rural minor arterial	1.206	1.303	0.842	0.913	1.266	1.364	0.833	0.902	1.171	1.268	0.850	0.923	1.314	1.412	0.827	0.895	
Rural major collector	0.962	1.063	0.881	0.960	1.014	1.115	0.858	0.932	0.973	1.074	0.876	0.954	1.044	1.145	0.851	0.924	
Rural minor collector	0.980	1.080	0.896	0.977	1.006	1.105	0.881	0.960	0.980	1.080	0.896	0.977	1.014	1.113	0.876	0.954	
Rural local	1.063	1.162	1.026	1.123	1.063	1.162	1.026	1.123	1.063	1.162	1.026	1.123	1.063	1.162	1.026	1.123	
Urban interstate	1.904	1.994	0.800	0.863	1.978	2.067	0.794	0.856	1.904	1.994	0.800	0.863	2.037	2.126	0.792	0.853	
Urban principal arterial	0.810	0.913	0.972	1.065	0.813	0.916	0.965	1.057	0.814	0.918	0.990	1.086	0.837	0.940	0.923	1.010	
Urban minor arterial	0.811	0.914	0.958	1.050	0.814	0.917	0.952	1.042	0.806	0.909	0.972	1.065	0.837	0.939	0.919	1.004	
Urban collector	0.803	0.907	1.001	1.099	0.808	0.913	1.023	1.124	0.826	0.933	1.059	1.164	0.802	0.905	0.959	1.051	
Urban local	0.872	0.979	1.085	1.192	0.872	0.979	1.085	1.192	0.872	0.979	1.085	1.192	0.872	0.979	1.085	1.192	

2015 Emission Factors for Rowan County																	
Road Type	2015 - AM Peak				2015 - Midday Peak				2015 - PM Peak				2015 - Night Peak				
	NOX		VOC		NOX		VOC		NOX		VOC		NOX		VOC		
	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	
Rural principal arterial	0.787	0.907	0.578	0.667	0.851	0.972	0.569	0.653	0.787	0.907	0.578	0.667	0.878	1.000	0.566	0.649	
Rural minor arterial	0.659	0.783	0.588	0.679	0.696	0.822	0.581	0.668	0.644	0.769	0.592	0.685	0.715	0.841	0.579	0.664	
Rural major collector	0.558	0.686	0.608	0.707	0.584	0.713	0.596	0.690	0.558	0.686	0.608	0.707	0.604	0.734	0.590	0.682	
Rural minor collector	0.562	0.688	0.616	0.718	0.576	0.702	0.607	0.706	0.559	0.685	0.619	0.721	0.580	0.707	0.605	0.702	
Rural local	0.603	0.728	0.691	0.809	0.603	0.728	0.691	0.809	0.603	0.728	0.691	0.809	0.603	0.728	0.691	0.809	
Urban interstate	0.970	1.084	0.559	0.639	1.024	1.139	0.555	0.633	0.970	1.084	0.559	0.639	1.052	1.167	0.554	0.631	
Urban principal arterial	0.486	0.617	0.662	0.779	0.485	0.615	0.657	0.772	0.489	0.620	0.674	0.794	0.500	0.631	0.629	0.736	
Urban minor arterial	0.485	0.615	0.653	0.767	0.486	0.616	0.649	0.762	0.484	0.615	0.663	0.779	0.499	0.629	0.630	0.736	
Urban collector	0.485	0.616	0.681	0.802	0.493	0.627	0.702	0.828	0.501	0.637	0.718	0.848	0.481	0.611	0.654	0.767	
Urban local	0.521	0.656	0.726	0.856	0.521	0.656	0.726	0.856	0.521	0.656	0.726	0.856	0.521	0.656	0.726	0.856	
2025 Emission Factors for Rowan County																	
Road Type	2025 - AM Peak				2025 - Midday Peak				2025 - PM Peak				2025 - Night Peak				
	NOX		VOC		NOX		VOC		NOX		VOC		NOX		VOC		
	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	
Rural principal arterial	0.289	0.432	0.285	0.402	0.316	0.462	0.276	0.385	0.291	0.434	0.283	0.399	0.335	0.482	0.275	0.380	
Rural minor arterial	0.263	0.412	0.285	0.404	0.281	0.431	0.279	0.392	0.260	0.407	0.287	0.408	0.294	0.446	0.278	0.387	
Rural major collector	0.237	0.389	0.294	0.422	0.248	0.401	0.285	0.407	0.237	0.389	0.294	0.422	0.256	0.411	0.281	0.399	
Rural minor collector	0.236	0.385	0.302	0.433	0.245	0.395	0.291	0.417	0.235	0.384	0.304	0.436	0.250	0.401	0.287	0.409	
Rural local	0.253	0.401	0.340	0.485	0.253	0.401	0.340	0.485	0.253	0.401	0.340	0.485	0.253	0.401	0.340	0.485	
Urban interstate	0.375	0.513	0.272	0.371	0.375	0.513	0.272	0.371	0.375	0.513	0.272	0.371	0.384	0.522	0.272	0.370	
Urban principal arterial	0.221	0.377	0.327	0.476	0.220	0.374	0.320	0.465	0.224	0.381	0.335	0.488	0.224	0.379	0.299	0.434	
Urban minor arterial	0.218	0.372	0.317	0.460	0.219	0.372	0.311	0.452	0.221	0.376	0.327	0.476	0.224	0.378	0.299	0.433	
Urban collector	0.223	0.380	0.335	0.488	0.227	0.386	0.344	0.501	0.231	0.393	0.355	0.516	0.218	0.371	0.311	0.452	
Urban local	0.234	0.395	0.355	0.514	0.234	0.395	0.355	0.514	0.234	0.395	0.355	0.514	0.234	0.395	0.355	0.514	

2035 Emission Factors for Rowan County																	
Road Type	2035 - AM Peak				2035 - Midday Peak				2035 - PM Peak				2035 - Night Peak				
	NOX		VOC		NOX		VOC		NOX		VOC		NOX		VOC		
	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	
Rural principal arterial	0.195	0.337	0.285	0.409	0.207	0.350	0.272	0.389	0.195	0.337	0.285	0.409	0.219	0.365	0.265	0.376	
Rural minor arterial	0.189	0.337	0.280	0.405	0.203	0.353	0.269	0.385	0.186	0.333	0.285	0.413	0.213	0.365	0.266	0.378	
Rural major collector	0.181	0.332	0.287	0.419	0.188	0.342	0.276	0.401	0.180	0.331	0.289	0.422	0.195	0.350	0.271	0.391	
Rural minor collector	0.177	0.326	0.301	0.439	0.185	0.336	0.281	0.409	0.177	0.326	0.301	0.439	0.190	0.342	0.275	0.399	
Rural local	0.188	0.336	0.327	0.472	0.188	0.336	0.327	0.472	0.188	0.336	0.327	0.472	0.190	0.339	0.332	0.479	
Urban interstate	0.235	0.372	0.261	0.365	0.248	0.387	0.260	0.360	0.235	0.372	0.261	0.365	0.253	0.392	0.260	0.359	
Urban principal arterial	0.177	0.334	0.319	0.471	0.176	0.331	0.312	0.460	0.182	0.342	0.332	0.490	0.177	0.332	0.290	0.426	
Urban minor arterial	0.174	0.328	0.308	0.454	0.173	0.327	0.300	0.441	0.175	0.330	0.312	0.459	0.178	0.332	0.288	0.423	
Urban collector	0.179	0.337	0.327	0.483	0.183	0.343	0.337	0.496	0.189	0.355	0.354	0.523	0.172	0.325	0.302	0.444	
Urban local	0.185	0.346	0.342	0.502	0.185	0.346	0.342	0.502	0.187	0.349	0.348	0.511	0.185	0.346	0.342	0.502	

2010 Emission Factors for Union County																	
Road Type	2010 - AM Peak				2010 - Midday Peak				2010 - PM Peak				2010 - Night Peak				
	NOX		VOC		NOX		VOC		NOX		VOC		NOX		VOC		
	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	
Rural principle arterial	1.360	1.454	0.864	0.940	1.388	1.482	0.855	0.929	1.329	1.423	0.875	0.953	1.402	1.496	0.850	0.924	
Rural minor arterial	1.112	1.209	0.869	0.945	1.171	1.268	0.850	0.923	1.092	1.190	0.878	0.956	1.226	1.324	0.839	0.909	
Rural major collector	0.919	1.020	0.911	0.995	0.932	1.033	0.901	0.983	0.914	1.015	0.916	1.001	0.962	1.063	0.881	0.960	
Rural minor collector	0.960	1.059	0.911	0.995	0.971	1.070	0.902	0.984	0.960	1.059	0.911	0.995	0.980	1.080	0.896	0.977	
Rural local	1.049	1.147	1.003	1.097	1.049	1.147	1.003	1.097	1.049	1.147	1.003	1.097	1.049	1.147	1.003	1.097	
Urban freeway	1.184	1.281	1.013	1.110	1.187	1.282	0.921	1.006	1.184	1.281	1.013	1.110	1.265	1.361	0.872	0.949	
Urban principle arterial	0.812	0.916	0.981	1.075	0.818	0.921	0.952	1.042	0.814	0.918	0.990	1.086	0.845	0.948	0.914	0.998	
Urban minor arterial	0.830	0.936	1.045	1.149	0.813	0.917	1.000	1.098	0.843	0.951	1.072	1.179	0.819	0.921	0.940	1.029	
Urban collector	0.801	0.904	0.991	1.087	0.802	0.905	0.959	1.051	0.806	0.910	1.012	1.111	0.818	0.921	0.930	1.017	
Urban local	0.865	0.971	1.070	1.175	0.858	0.963	1.056	1.160	0.865	0.971	1.070	1.175	0.846	0.949	1.031	1.132	

2015 Emission Factors for Union County																		
Road Type	2015 - AM Peak				2015 - Midday Peak				2015 - PM Peak				2015 - Night Peak					
	NOX		VOC		NOX		VOC		NOX		VOC		NOX		VOC			
	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM		
Rural principle arterial	0.766	0.886	0.583	0.673	0.776	0.897	0.580	0.670	0.754	0.874	0.585	0.677	0.787	0.907	0.578	0.667		
Rural minor arterial	0.644	0.769	0.592	0.685	0.659	0.783	0.588	0.679	0.629	0.753	0.597	0.692	0.686	0.812	0.583	0.671		
Rural major collector	0.530	0.657	0.631	0.737	0.539	0.666	0.622	0.725	0.530	0.657	0.631	0.737	0.558	0.686	0.608	0.707		
Rural minor collector	0.549	0.675	0.628	0.733	0.559	0.685	0.619	0.721	0.546	0.671	0.631	0.737	0.567	0.693	0.613	0.714		
Rural local	0.596	0.719	0.676	0.791	0.596	0.719	0.676	0.791	0.596	0.719	0.676	0.791	0.596	0.719	0.676	0.791		
Urban freeway	0.684	0.806	0.601	0.698	0.747	0.870	0.580	0.670	0.729	0.852	0.585	0.676	0.747	0.870	0.580	0.670		
Urban principle arterial	0.485	0.615	0.657	0.772	0.490	0.620	0.646	0.757	0.487	0.618	0.668	0.786	0.503	0.633	0.627	0.732		
Urban minor arterial	0.498	0.631	0.701	0.828	0.487	0.618	0.674	0.794	0.506	0.642	0.718	0.848	0.491	0.621	0.639	0.748		
Urban collector	0.485	0.616	0.681	0.802	0.479	0.609	0.658	0.772	0.490	0.623	0.694	0.819	0.490	0.620	0.636	0.745		
Urban local	0.516	0.650	0.717	0.845	0.512	0.645	0.708	0.835	0.521	0.656	0.726	0.856	0.505	0.636	0.693	0.816		
2025 Emission Factors for Union County																		
Road Type	2025 - AM Peak				2025 - Midday Peak				2025 - PM Peak				2025 - Night Peak					
	NOX		VOC		NOX		VOC		NOX		VOC		NOX		VOC			
	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM		
Rural principle arterial	0.294	0.437	0.282	0.397	0.297	0.441	0.281	0.395	0.291	0.434	0.283	0.399	0.301	0.445	0.280	0.393		
Rural minor arterial	0.253	0.400	0.292	0.416	0.260	0.407	0.287	0.408	0.250	0.397	0.295	0.421	0.269	0.418	0.282	0.399		
Rural major collector	0.227	0.378	0.311	0.448	0.231	0.381	0.302	0.436	0.227	0.377	0.313	0.452	0.241	0.393	0.290	0.417		
Rural minor collector	0.234	0.383	0.306	0.439	0.237	0.386	0.300	0.430	0.232	0.380	0.312	0.450	0.245	0.395	0.291	0.417		
Rural local	0.251	0.398	0.335	0.478	0.251	0.398	0.335	0.478	0.251	0.398	0.335	0.478	0.250	0.395	0.331	0.472		
Urban freeway	0.261	0.405	0.302	0.430	0.295	0.443	0.279	0.392	0.276	0.421	0.287	0.407	0.295	0.443	0.279	0.392		
Urban principle arterial	0.221	0.377	0.327	0.476	0.218	0.372	0.313	0.456	0.222	0.378	0.331	0.482	0.225	0.380	0.298	0.431		
Urban minor arterial	0.232	0.394	0.355	0.516	0.224	0.381	0.335	0.488	0.237	0.403	0.367	0.536	0.221	0.374	0.305	0.442		
Urban collector	0.227	0.386	0.344	0.501	0.220	0.375	0.327	0.476	0.233	0.397	0.361	0.525	0.220	0.374	0.305	0.442		
Urban local	0.234	0.395	0.355	0.514	0.232	0.391	0.349	0.507	0.237	0.399	0.361	0.524	0.228	0.384	0.339	0.492		

2035 Emission Factors for Union County																	
Road Type	2035 - AM Peak				2035 - Midday Peak				2035 - PM Peak				2035 - Night Peak				
	NOX		VOC		NOX		VOC		NOX		VOC		NOX		VOC		
	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	
Rural principle arterial	0.205	0.349	0.273	0.391	0.207	0.350	0.272	0.389	0.204	0.347	0.275	0.393	0.213	0.357	0.268	0.382	
Rural minor arterial	0.185	0.332	0.287	0.416	0.189	0.337	0.280	0.405	0.183	0.329	0.293	0.425	0.195	0.343	0.274	0.395	
Rural major collector	0.177	0.329	0.308	0.451	0.177	0.327	0.299	0.438	0.179	0.331	0.315	0.461	0.184	0.336	0.282	0.411	
Rural minor collector	0.178	0.327	0.304	0.443	0.179	0.328	0.294	0.428	0.181	0.331	0.314	0.459	0.185	0.336	0.281	0.409	
Rural local	0.188	0.336	0.327	0.472	0.187	0.333	0.322	0.466	0.188	0.336	0.327	0.472	0.185	0.331	0.318	0.460	
Urban freeway	0.188	0.332	0.309	0.447	0.212	0.360	0.267	0.381	0.193	0.337	0.284	0.410	0.214	0.362	0.266	0.379	
Urban principle arterial	0.179	0.336	0.323	0.477	0.175	0.329	0.308	0.454	0.182	0.342	0.332	0.490	0.177	0.332	0.290	0.426	
Urban minor arterial	0.195	0.365	0.369	0.546	0.183	0.344	0.337	0.497	0.198	0.370	0.377	0.558	0.174	0.328	0.298	0.438	
Urban collector	0.189	0.355	0.354	0.523	0.179	0.337	0.327	0.483	0.194	0.364	0.369	0.545	0.174	0.328	0.296	0.434	
Urban local	0.190	0.353	0.354	0.521	0.185	0.346	0.342	0.502	0.190	0.353	0.354	0.521	0.180	0.336	0.327	0.480	

2010 Emission Factors for Mecklenburg County																	
Road Type	2010 - AM Peak				2010 - Midday Peak				2010 - PM Peak				2010 - Night Peak				
	NOX		VOC		NOX		VOC		NOX		VOC		NOX		VOC		
	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	
Rural principle arterial	0.938	1.022	0.587	0.662	0.990	1.074	0.559	0.628	0.938	1.022	0.587	0.662	1.037	1.121	0.548	0.615	
Rural minor arterial	0.809	0.902	0.675	0.765	0.775	0.865	0.635	0.719	0.809	0.902	0.675	0.765	0.787	0.875	0.576	0.650	
Rural major collector	0.740	0.839	0.716	0.815	0.672	0.763	0.618	0.700	0.699	0.794	0.663	0.754	0.681	0.771	0.591	0.668	
Rural minor collector	0.703	0.792	0.601	0.679	0.719	0.808	0.584	0.660	0.700	0.790	0.604	0.684	0.737	0.826	0.574	0.647	
Rural local	0.793	0.880	0.625	0.707	0.798	0.886	0.632	0.715	0.793	0.880	0.625	0.707	0.798	0.886	0.632	0.715	
Urban interstate	1.136	1.215	0.551	0.617	1.396	1.476	0.519	0.578	1.116	1.196	0.557	0.624	1.529	1.609	0.515	0.572	
Urban freeway	0.991	1.077	0.549	0.616	1.070	1.156	0.539	0.603	0.966	1.052	0.553	0.621	1.131	1.218	0.535	0.598	
Urban principle arterial	0.658	0.757	0.686	0.781	0.635	0.730	0.653	0.743	0.674	0.775	0.707	0.806	0.620	0.713	0.606	0.686	
Urban minor arterial	0.654	0.753	0.685	0.780	0.631	0.726	0.653	0.742	0.662	0.761	0.696	0.793	0.617	0.709	0.605	0.686	
Urban collector	0.662	0.762	0.707	0.806	0.634	0.731	0.668	0.760	0.670	0.772	0.719	0.821	0.608	0.700	0.609	0.690	

Urban local	0.686	0.785	0.704	0.802		0.686	0.785	0.704	0.802		0.694	0.795	0.717	0.817		0.670	0.767	0.683	0.777
Urban Interstate (HOV)	0.834	0.932	0.543	0.611		0.862	0.960	0.541	0.607		0.862	0.960	0.541	0.607		1.358	1.548	4.605	5.172
2015 Emission Factors for Mecklenburg County																			
Road Type	2015 - AM Peak					2015 - Midday Peak					2015 - PM Peak					2015 - Night Peak			
	NOX		VOC			NOX		VOC			NOX		VOC			NOX		VOC	
	IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM
Rural principle arterial	0.426	0.524	0.396	0.479		0.444	0.542	0.376	0.453		0.426	0.524	0.393	0.475		0.469	0.568	0.367	0.440
Rural minor arterial	0.412	0.524	0.468	0.572		0.386	0.492	0.428	0.522		0.402	0.511	0.453	0.552		0.379	0.481	0.386	0.468
Rural major collector	0.359	0.468	0.437	0.535		0.344	0.449	0.407	0.497		0.353	0.461	0.427	0.523		0.348	0.453	0.391	0.475
Rural minor collector	0.352	0.456	0.399	0.486		0.359	0.462	0.389	0.472		0.353	0.457	0.402	0.490		0.370	0.474	0.380	0.461
Rural local	0.389	0.491	0.418	0.507		0.389	0.491	0.418	0.507		0.389	0.491	0.418	0.507		0.389	0.491	0.418	0.507
Urban interstate	0.493	0.585	0.370	0.444		0.574	0.668	0.352	0.418		0.483	0.575	0.376	0.451		0.666	0.761	0.350	0.412
Urban freeway	0.449	0.550	0.368	0.443		0.503	0.605	0.362	0.432		0.445	0.546	0.369	0.445		0.530	0.632	0.361	0.429
Urban principle arterial	0.351	0.466	0.457	0.562		0.337	0.449	0.434	0.533		0.360	0.478	0.472	0.582		0.326	0.434	0.399	0.488
Urban minor arterial	0.346	0.460	0.450	0.553		0.336	0.447	0.434	0.532		0.354	0.470	0.464	0.571		0.325	0.432	0.399	0.487
Urban collector	0.356	0.474	0.471	0.581		0.337	0.449	0.438	0.538		0.361	0.480	0.480	0.592		0.320	0.428	0.403	0.493
Urban local	0.359	0.474	0.462	0.568		0.359	0.474	0.462	0.568		0.369	0.487	0.479	0.590		0.351	0.464	0.449	0.550
Urban Interstate (HOV)	0.450	0.566	0.361	0.435		0.450	0.566	0.361	0.435		0.450	0.566	0.361	0.435		0.729	0.954	2.859	3.481
2025 Emission Factors for Mecklenburg County																			
Road Type	2025 - AM Peak					2025 - Midday Peak					2025 - PM Peak					2025 - Night Peak			
	NOX		VOC			NOX		VOC			NOX		VOC			NOX		VOC	
	IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM
Rural principle arterial	0.187	0.295	0.252	0.347		0.189	0.296	0.229	0.316		0.187	0.295	0.249	0.344		0.202	0.311	0.217	0.299
Rural minor arterial	0.212	0.345	0.344	0.472		0.194	0.316	0.288	0.400		0.204	0.331	0.316	0.437		0.172	0.283	0.235	0.328
Rural major collector	0.188	0.316	0.293	0.412		0.171	0.289	0.255	0.358		0.183	0.308	0.281	0.394		0.166	0.281	0.232	0.326
Rural minor collector	0.170	0.284	0.245	0.344		0.169	0.282	0.232	0.325		0.172	0.288	0.251	0.352		0.175	0.289	0.222	0.311
Rural local	0.181	0.293	0.255	0.353		0.179	0.291	0.251	0.349		0.182	0.295	0.259	0.358		0.179	0.291	0.251	0.349
Urban interstate	0.200	0.301	0.231	0.314		0.218	0.321	0.214	0.291		0.198	0.299	0.238	0.323		0.261	0.367	0.210	0.280
Urban freeway	0.199	0.310	0.216	0.298		0.219	0.332	0.213	0.290		0.196	0.307	0.218	0.301		0.229	0.343	0.213	0.288

Urban principle arterial	0.181	0.310	0.286	0.405		0.172	0.295	0.266	0.376		0.186	0.320	0.302	0.427		0.161	0.278	0.234	0.331
Urban minor arterial	0.177	0.305	0.280	0.396		0.171	0.295	0.266	0.375		0.186	0.319	0.302	0.426		0.160	0.277	0.234	0.331
Urban collector	0.185	0.318	0.302	0.426		0.174	0.300	0.274	0.388		0.188	0.323	0.313	0.440		0.159	0.276	0.235	0.333
Urban local	0.181	0.308	0.285	0.402		0.181	0.308	0.285	0.402		0.184	0.313	0.292	0.411		0.174	0.297	0.270	0.380
Urban Interstate (HOV)	0.197	0.326	0.202	0.285		0.197	0.326	0.202	0.285		0.197	0.326	0.202	0.285		0.197	0.326	0.202	0.285
2035 Emission Factors for Mecklenburg County																			
Road Type	2035 - AM Peak					2035 - Midday Peak					2035 - PM Peak					2035 - Night Peak			
	NOX		VOC			NOX		VOC			NOX		VOC			NOX		VOC	
	IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM		IM	NonIM	IM	NonIM
Rural principle arterial	0.167	0.275	0.268	0.368		0.165	0.272	0.240	0.332		0.167	0.275	0.268	0.368		0.173	0.281	0.215	0.297
Rural minor arterial	0.201	0.338	0.367	0.504		0.186	0.316	0.322	0.445		0.195	0.330	0.353	0.484		0.156	0.268	0.239	0.335
Rural major collector	0.188	0.328	0.351	0.487		0.160	0.282	0.264	0.372		0.179	0.313	0.320	0.448		0.148	0.262	0.232	0.327
Rural minor collector	0.157	0.274	0.252	0.354		0.151	0.265	0.236	0.332		0.162	0.282	0.264	0.371		0.155	0.269	0.217	0.306
Rural local	0.162	0.275	0.253	0.351		0.161	0.272	0.249	0.346		0.165	0.280	0.261	0.362		0.159	0.270	0.245	0.341
Urban interstate	0.174	0.274	0.240	0.327		0.182	0.283	0.214	0.292		0.174	0.275	0.246	0.335		0.227	0.332	0.204	0.273
Urban freeway	0.174	0.284	0.212	0.294		0.191	0.304	0.207	0.284		0.169	0.279	0.215	0.299		0.202	0.316	0.207	0.281
Urban principle arterial	0.166	0.297	0.286	0.405		0.157	0.282	0.264	0.374		0.176	0.313	0.319	0.449		0.144	0.261	0.230	0.326
Urban minor arterial	0.166	0.296	0.285	0.405		0.158	0.284	0.268	0.380		0.175	0.312	0.319	0.449		0.144	0.260	0.229	0.326
Urban collector	0.174	0.311	0.319	0.448		0.162	0.291	0.279	0.395		0.178	0.318	0.333	0.467		0.144	0.261	0.234	0.332
Urban local	0.163	0.290	0.279	0.394		0.163	0.290	0.279	0.394		0.169	0.299	0.295	0.416		0.157	0.279	0.263	0.372
Urban Interstate (HOV)	0.170	0.299	0.196	0.279		0.174	0.302	0.196	0.278		0.167	0.295	0.197	0.281		0.174	0.302	0.196	0.278

2015 Emission Factors for Mecklenburg County																			
Road Type	2015 - AM Peak					2015 - Midday Peak					2015 - PM Peak					2015 - Night Peak			
	CO					CO					CO					CO			
	IM	NonIM				IM	NonIM				IM	NonIM				IM	NonIM		
Rural principal arterial	7.839	9.888				8.271	10.444				7.840	9.888				8.613	10.877		
Rural minor arterial	8.538	10.891				8.183	10.371				8.384	10.670				8.366	10.565		

Rural major collector	8.399	10.681		8.294	10.491		8.338	10.580		8.582	10.855
Rural minor collector	8.227	10.391		8.505	10.750		8.225	10.392		8.798	11.124
Rural local	8.063	10.178		8.063	10.178		8.063	10.178		8.063	10.178
Urban interstate	7.866	9.899		8.593	10.812		7.714	9.703		9.124	11.445
Urban freeway	8.801	11.122		9.341	11.789		8.747	11.053		9.563	12.057
Urban principal arterial	8.662	11.078		8.481	10.793		8.805	11.292		8.554	10.830
Urban minor arterial	8.603	10.982		8.482	10.788		8.735	11.179		8.550	10.821
Urban collector	8.824	11.307		8.523	10.852		8.908	11.431		8.433	10.668
Urban local	8.702	11.116		8.702	11.116		8.866	11.358		8.564	10.914
Urban Interstate (HOV)	10.551	13.421		10.551	13.421		10.551	13.421		20.754	30.373
2025 Emission Factors for Mecklenburg County											
Road Type	2025 - AM Peak			2025 - Midday Peak			2025 - PM Peak			2025 - Night Peak	
	CO			CO			CO			CO	
	IM	NonIM		IM	NonIM		IM	NonIM		IM	NonIM
Rural principal arterial	6.447	8.538		6.613	8.754		6.429	8.511		7.049	9.330
Rural minor arterial	7.501	10.140		7.018	9.397		7.275	9.791		6.647	8.796
Rural major collector	7.224	9.723		6.844	9.115		7.086	9.509		6.916	9.173
Rural minor collector	6.748	8.953		6.854	9.084		6.768	8.993		7.196	9.539
Rural local	6.655	8.815		6.629	8.772		6.683	8.861		6.629	8.772
Urban interstate	6.264	8.252		6.797	8.959		6.180	8.137		7.498	9.836
Urban freeway	7.252	9.604		7.723	10.203		7.156	9.478		7.919	10.446
Urban principal arterial	7.225	9.739		7.003	9.388		7.374	9.978		6.966	9.256
Urban minor arterial	7.169	9.641		7.008	9.387		7.384	9.983		6.965	9.250
Urban collector	7.398	9.996		7.122	9.560		7.488	10.142		6.916	9.183
Urban local	7.216	9.694		7.216	9.694		7.289	9.807		7.032	9.410
Urban Interstate (HOV)	8.700	11.609		8.700	11.609		8.700	11.609		8.700	11.609

2035 Emission Factors for Mecklenburg County									
Road Type	2035 - AM Peak		2035 - Midday Peak		2035 - PM Peak		2035 - Night Peak		
	CO		CO		CO		CO		
	IM	NonIM	IM	NonIM	IM	NonIM	IM	NonIM	
Rural principal arterial	6.423	8.534	6.257	8.292	6.423	8.534	6.715	8.899	
Rural minor arterial	7.594	10.334	7.196	9.715	7.448	10.105	6.471	8.583	
Rural major collector	7.553	10.300	6.787	9.096	7.310	9.915	6.627	8.802	
Rural minor collector	6.635	8.846	6.569	8.722	6.740	9.019	6.964	9.241	
Rural local	6.508	8.637	6.480	8.592	6.570	8.739	6.454	8.549	
Urban interstate	6.026	7.943	6.392	8.436	6.052	7.978	7.322	9.611	
Urban freeway	6.975	9.248	7.473	9.886	6.816	9.040	7.730	10.205	
Urban principal arterial	7.104	9.604	6.865	9.225	7.368	10.031	6.724	8.945	
Urban minor arterial	7.114	9.608	6.924	9.308	7.381	10.039	6.724	8.940	
Urban collector	7.396	10.053	7.056	9.511	7.509	10.234	6.727	8.948	
Urban local	7.029	9.453	7.029	9.453	7.184	9.696	6.847	9.173	
Urban Interstate (HOV)	8.381	11.198	8.488	11.338	8.267	11.049	8.488	11.338	