

Appendix F: Mobile 6.2 Emission Factors (grams/mile)

Conformity Emission Factors for Durham County

All emission factors are in grams/mile

2015	AM Peak				PM Peak				Off-Peak			
	NOx		CO		NOx		CO		NOx		CO	
	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural Interstate	0.937	1.022	7.697	9.789	0.799	0.883	7.176	9.175	1.046	1.131	8.037	10.182
Rural principal arterial	0.475	0.573	7.187	9.362	0.470	0.568	7.078	9.221	0.486	0.584	7.355	9.578
Rural minor arterial	0.487	0.588	7.846	10.171	0.468	0.568	7.595	9.854	0.526	0.628	8.228	10.648
Rural major collector	0.400	0.506	7.898	10.281	0.393	0.499	7.720	10.055	0.404	0.510	7.968	10.370
Rural minor collector	0.397	0.502	7.626	9.931	0.397	0.502	7.626	9.931	0.400	0.505	7.691	10.013
Rural local	0.437	0.541	7.152	9.333	0.440	0.545	7.183	9.383	0.440	0.545	7.183	9.383
Urban Interstate	0.772	0.869	8.594	11.008	0.674	0.769	8.113	10.436	0.789	0.886	8.672	11.100
Urban freeway	0.510	0.611	8.070	10.456	0.482	0.583	7.755	10.060	0.503	0.604	8.003	10.372
Urban principal arterial	0.395	0.499	7.557	9.843	0.390	0.495	7.254	9.460	0.395	0.499	7.557	9.843
Urban minor arterial	0.359	0.466	7.594	9.912	0.356	0.464	7.394	9.659	0.359	0.466	7.594	9.912
Urban collector	0.351	0.459	7.756	10.126	0.346	0.454	7.512	9.813	0.351	0.459	7.756	10.126
Urban local	0.424	0.537	7.575	9.987	0.424	0.537	7.575	9.987	0.424	0.537	7.575	9.987
2025	AM Peak				PM Peak				Off-Peak			
	NOx		CO		NOx		CO		NOx		CO	
	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural Interstate	0.242	0.334	5.243	7.065	0.237	0.329	5.104	6.870	0.362	0.458	6.673	8.848
Rural principal arterial	0.196	0.304	5.667	7.756	0.196	0.305	5.667	7.758	0.204	0.313	6.049	8.269
Rural minor arterial	0.204	0.316	6.332	8.657	0.199	0.310	6.174	8.449	0.221	0.335	6.765	9.219
Rural major collector	0.179	0.296	6.254	8.603	0.176	0.292	5.996	8.258	0.182	0.299	6.363	8.748
Rural minor collector	0.179	0.295	6.126	8.429	0.179	0.295	6.126	8.429	0.179	0.295	6.126	8.429
Rural local	0.194	0.310	5.855	8.083	0.197	0.315	5.909	8.180	0.196	0.312	5.881	8.130
Urban Interstate	0.273	0.381	6.892	9.294	0.246	0.353	6.483	8.791	0.279	0.388	6.968	9.385
Urban freeway	0.213	0.327	6.627	9.047	0.200	0.311	6.242	8.544	0.216	0.329	6.683	9.119
Urban principal arterial	0.181	0.297	6.228	8.564	0.177	0.293	5.972	8.222	0.181	0.297	6.228	8.564
Urban minor arterial	0.170	0.289	6.141	8.473	0.170	0.289	6.017	8.317	0.170	0.289	6.141	8.473
Urban collector	0.169	0.289	6.280	8.666	0.167	0.287	6.054	8.369	0.169	0.289	6.280	8.666
Urban local	0.195	0.321	6.170	8.610	0.198	0.325	6.234	8.711	0.198	0.325	6.234	8.711
2035	AM Peak				PM Peak				Off-Peak			
	NOx		CO		NOx		CO		NOx		CO	
	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural Interstate	0.190	0.281	5.006	6.738	0.190	0.281	5.014	6.747	0.284	0.381	6.558	8.694
Rural principal arterial	0.165	0.273	5.560	7.611	0.165	0.274	5.560	7.614	0.170	0.279	5.890	8.052
Rural minor arterial	0.184	0.296	6.541	8.920	0.178	0.290	6.369	8.697	0.187	0.301	6.646	9.055
Rural major collector	0.154	0.270	5.988	8.242	0.154	0.270	5.821	8.027	0.157	0.274	6.195	8.517
Rural minor collector	0.156	0.271	6.013	8.272	0.156	0.271	6.013	8.272	0.156	0.271	6.013	8.272
Rural local	0.167	0.282	5.745	7.930	0.167	0.282	5.745	7.930	0.170	0.288	5.798	8.025
Urban Interstate	0.228	0.336	6.847	9.221	0.209	0.316	6.506	8.804	0.232	0.340	6.919	9.308
Urban freeway	0.180	0.294	6.510	8.884	0.169	0.281	6.129	8.387	0.180	0.294	6.510	8.884
Urban principal arterial	0.156	0.272	6.057	8.330	0.153	0.268	5.805	7.993	0.156	0.272	6.057	8.330
Urban minor arterial	0.150	0.268	6.027	8.314	0.150	0.270	5.900	8.158	0.149	0.267	5.972	8.241
Urban collector	0.148	0.268	6.061	8.367	0.148	0.268	5.936	8.210	0.149	0.268	6.114	8.437
Urban local	0.171	0.296	6.055	8.448	0.173	0.300	6.118	8.548	0.173	0.300	6.118	8.548

Conformity Emission Factors for Wake County

All emission factors are in grams/mile

2015	AM Peak				PM Peak				Off-Peak			
	NOx		CO		NOx		CO		NOx		CO	
	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural Interstate	0.966	1.051	7.786	9.892	0.727	0.810	6.741	8.676	0.993	1.078	7.762	9.899
Rural principal arterial	0.552	0.651	8.001	10.349	0.536	0.635	7.870	10.185	0.566	0.665	8.123	10.500
Rural minor arterial	0.473	0.573	7.662	9.938	0.461	0.561	7.487	9.715	0.478	0.578	7.726	10.019
Rural major collector	0.408	0.514	8.035	10.454	0.400	0.506	7.898	10.281	0.408	0.514	8.035	10.454
Rural minor collector	0.390	0.495	7.390	9.628	0.387	0.492	7.262	9.463	0.392	0.496	7.449	9.704
Rural local	0.448	0.554	7.252	9.496	0.448	0.554	7.252	9.496	0.457	0.566	7.381	9.684
Urban Interstate	0.647	0.743	7.959	10.252	0.582	0.676	7.509	9.695	0.755	0.851	8.513	10.913
Urban freeway	0.539	0.641	8.339	10.789	0.477	0.578	7.691	9.979	0.558	0.660	8.494	10.977
Urban principal arterial	0.403	0.508	7.751	10.090	0.387	0.492	7.261	9.462	0.408	0.513	7.866	10.236
Urban minor arterial	0.359	0.466	7.594	9.912	0.359	0.467	7.382	9.654	0.364	0.471	7.779	10.147
Urban collector	0.348	0.457	7.640	9.978	0.347	0.456	7.430	9.718	0.349	0.458	7.700	10.054
Urban local	0.410	0.520	7.382	9.699	0.414	0.525	7.441	9.787	0.414	0.525	7.441	9.787
2025	AM Peak				PM Peak				Off-Peak			
	NOx		CO		NOx		CO		NOx		CO	
	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural Interstate	0.303	0.397	6.103	8.170	0.253	0.346	5.474	7.377	0.320	0.415	6.292	8.399
Rural principal arterial	0.216	0.327	6.402	8.732	0.215	0.325	6.354	8.670	0.237	0.349	6.821	9.265
Rural minor arterial	0.197	0.307	6.076	8.319	0.192	0.302	5.881	8.059	0.200	0.312	6.219	8.509
Rural major collector	0.183	0.300	6.414	8.815	0.177	0.293	6.101	8.399	0.183	0.300	6.414	8.815
Rural minor collector	0.178	0.294	5.912	8.149	0.180	0.297	5.902	8.149	0.176	0.292	5.917	8.149
Rural local	0.205	0.326	6.078	8.440	0.205	0.326	6.078	8.440	0.205	0.326	6.078	8.440
Urban Interstate	0.237	0.343	6.326	8.589	0.217	0.321	5.870	7.995	0.279	0.388	6.968	9.385
Urban freeway	0.202	0.314	6.300	8.620	0.192	0.303	5.947	8.152	0.220	0.334	6.790	9.256
Urban principal arterial	0.179	0.294	6.076	8.362	0.180	0.297	5.900	8.147	0.181	0.297	6.228	8.564
Urban minor arterial	0.168	0.287	6.026	8.320	0.175	0.297	6.038	8.384	0.171	0.290	6.244	8.610
Urban collector	0.167	0.287	6.054	8.369	0.173	0.296	6.067	8.432	0.167	0.287	6.175	8.526
Urban local	0.188	0.310	6.010	8.355	0.193	0.317	6.112	8.518	0.190	0.313	6.059	8.433
2035	AM Peak				PM Peak				Off-Peak			
	NOx		CO		NOx		CO		NOx		CO	
	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural Interstate	0.217	0.311	5.656	0.058	0.192	0.283	5.079	6.840	0.244	0.339	6.059	8.102
Rural principal arterial	0.177	0.286	6.139	0.039	0.174	0.283	6.029	8.236	0.188	0.299	6.459	8.795
Rural minor arterial	0.168	0.279	6.014	0.027	0.165	0.275	5.858	8.024	0.172	0.283	6.163	8.428
Rural major collector	0.164	0.281	6.517	0.018	0.157	0.274	6.195	8.517	0.161	0.279	6.405	8.795
Rural minor collector	0.154	0.269	5.863	0.016	0.154	0.269	5.804	7.995	0.154	0.270	5.916	8.141
Rural local	0.174	0.294	5.904	0.027	0.176	0.298	5.964	8.281	0.176	0.298	5.964	8.281
Urban Interstate	0.193	0.299	6.157	0.089	0.180	0.285	5.806	7.906	0.215	0.323	6.635	8.962
Urban freeway	0.166	0.277	5.986	0.046	0.163	0.274	5.837	7.999	0.186	0.300	6.670	9.091
Urban principal arterial	0.155	0.270	5.964	0.041	0.156	0.272	5.793	7.993	0.157	0.273	6.114	8.406
Urban minor arterial	0.148	0.267	5.913	0.025	0.155	0.276	5.925	8.226	0.150	0.269	6.080	8.384
Urban collector	0.149	0.269	5.931	0.026	0.156	0.281	5.993	8.354	0.148	0.268	6.061	8.367
Urban local	0.164	0.286	5.897	0.036	0.168	0.292	5.998	8.357	0.166	0.289	5.946	8.274

Conformity Emission Factors for Orange County			All emission factors are in grams/mile			
2015	AM Peak		PM Peak		Off-Peak	
	NOx		NOx		NOx	
	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural Interstate	1.046	1.133	1.046	1.133	1.046	1.133
Rural minor arterial	0.509	0.611	0.501	0.603	0.509	0.611
Rural major collector	0.413	0.521	0.410	0.517	0.413	0.521
Rural minor collector	0.402	0.508	0.400	0.505	0.402	0.508
Rural local	0.472	0.584	0.472	0.584	0.472	0.584
Urban Interstate	0.791	0.889	0.738	0.836	0.791	0.889
Urban freeway	0.461	0.562	0.453	0.554	0.456	0.557
Urban principal arterial	0.390	0.495	0.399	0.507	0.391	0.497
Urban minor arterial	0.359	0.468	0.361	0.471	0.357	0.466
Urban collector	0.351	0.460	0.347	0.457	0.350	0.459
Urban local	0.438	0.556	0.432	0.548	0.438	0.556
2025	AM Peak		PM Peak		Off-Peak	
	NOx		NOx		NOx	
	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural Interstate	0.363	0.460	0.355	0.452	0.363	0.460
Rural minor arterial	0.210	0.324	0.207	0.320	0.210	0.324
Rural major collector	0.187	0.305	0.187	0.305	0.188	0.307
Rural minor collector	0.180	0.297	0.180	0.297	0.180	0.297
Rural local	0.206	0.329	0.206	0.329	0.209	0.333
Urban Interstate	0.297	0.407	0.280	0.390	0.297	0.407
Urban freeway	0.194	0.306	0.191	0.303	0.197	0.310
Urban principal arterial	0.182	0.300	0.192	0.316	0.180	0.297
Urban minor arterial	0.172	0.293	0.175	0.298	0.171	0.291
Urban collector	0.170	0.291	0.168	0.289	0.170	0.291
Urban local	0.203	0.333	0.203	0.333	0.203	0.333
2035	AM Peak		PM Peak		Off-Peak	
	NOx		NOx		NOx	
	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural Interstate	0.285	0.383	0.285	0.383	0.285	0.383
Rural minor arterial	0.177	0.290	0.176	0.289	0.179	0.292
Rural major collector	0.162	0.281	0.161	0.280	0.164	0.283
Rural minor collector	0.156	0.273	0.156	0.273	0.157	0.274
Rural local	0.178	0.300	0.178	0.300	0.180	0.304
Urban Interstate	0.241	0.352	0.233	0.343	0.241	0.352
Urban freeway	0.163	0.275	0.162	0.274	0.166	0.278
Urban principal arterial	0.161	0.280	0.172	0.299	0.158	0.276
Urban minor arterial	0.153	0.273	0.156	0.279	0.150	0.270
Urban collector	0.150	0.271	0.148	0.269	0.149	0.270
Urban local	0.177	0.307	0.177	0.307	0.177	0.307

Conformity Emission Factors Franklin County				All emission factors are in grams/mile				
2015	TDM AM Peak		TDM PM Peak		TDM Off-Peak		Rural Spreadsheet	
	NOx		NOx		NOx		NOx	
	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural principal arterial	0.865	0.987	0.852	0.974	0.865	0.987	0.727	0.847
Rural minor arterial	0.708	0.831	0.699	0.822	0.717	0.840	0.654	0.776
Rural major collector	0.580	0.710	0.576	0.705	0.584	0.714	0.560	0.689
Rural minor collector	0.570	0.698	0.570	0.698	0.573	0.701	0.566	0.694
Rural local	0.689	0.830	0.689	0.830	0.702	0.845	0.620	0.744
Urban principal arterial	0.625	0.755	0.613	0.742	0.631	0.761	0.562	0.692
Urban minor arterial	0.513	0.644	0.509	0.642	0.514	0.646	0.511	0.643
Urban collector	0.538	0.672	0.533	0.667	0.538	0.672		
Urban local	0.592	0.729	0.586	0.722	0.592	0.729	0.557	0.686

2025	TDM AM Peak		TDM PM Peak		TDM Off-Peak		Rural Spreadsheet	
	NOx		NOx		NOx		NOx	
	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural principal arterial	0.332	0.410	0.322	0.400	0.332	0.410	0.288	0.364
Rural minor arterial	0.277	0.357	0.275	0.354	0.280	0.359	0.268	0.347
Rural major collector	0.247	0.332	0.244	0.329	0.249	0.334	0.242	0.327
Rural minor collector	0.240	0.324	0.239	0.323	0.240	0.324	0.243	0.328
Rural local	0.296	0.392	0.296	0.392	0.296	0.392	0.258	0.339
Urban principal arterial	0.257	0.342	0.250	0.334	0.262	0.347	0.243	0.328
Urban minor arterial	0.224	0.311	0.231	0.320	0.227	0.314	0.227	0.315
Urban collector	0.228	0.316	0.227	0.315	0.227	0.315		
Urban local	0.256	0.348	0.256	0.348	0.260	0.352	0.240	0.325

2035	TDM AM Peak		TDM PM Peak		TDM Off-Peak		Rural Spreadsheet	
	NOx		NOx		NOx		NOx	
	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural principal arterial	0.227	0.320	0.218	0.310	0.230	0.323	0.203	0.294
Rural minor arterial	0.201	0.294	0.198	0.291	0.203	0.296	0.196	0.288
Rural major collector	0.188	0.285	0.184	0.280	0.189	0.287	0.186	0.283
Rural minor collector	0.183	0.279	0.183	0.278	0.183	0.279	0.186	0.282
Rural local	0.223	0.332	0.223	0.332	0.223	0.332	0.191	0.284
Urban principal arterial	0.193	0.290	0.188	0.284	0.197	0.294	0.186	0.284
Urban minor arterial	0.177	0.276	0.187	0.290	0.178	0.276	0.179	0.278
Urban collector	0.181	0.281	0.179	0.279	0.180	0.280		
Urban local	0.198	0.301	0.198	0.301	0.200	0.305	0.184	0.280

Conformity Emission Factors Johnston County

All emission factors are in grams/mile

2015	TDM AM Peak		TDM PM Peak		TDM Off-Peak		Rural Spreadsheet	
	NOx		NOx		NOx		NOx	
	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural interstate	1.443	1.547	1.443	1.547	1.443	1.547	1.443	1.547
Rural principal arterial	0.905	1.028	0.767	0.888	0.943	1.066	0.727	0.847
Rural minor arterial	0.665	0.787	0.658	0.780	0.671	0.794	0.654	0.776
Rural major collector	0.584	0.714	0.576	0.705	0.595	0.725	0.560	0.689
Rural minor collector	0.576	0.704	0.570	0.698	0.576	0.704	0.566	0.694
Rural local	0.637	0.769	0.644	0.777	0.644	0.777	0.620	0.744
Urban interstate	1.094	1.212	1.071	1.189	1.094	1.212	1.048	1.166
Urban principal arterial	0.570	0.698	0.552	0.680	0.576	0.704	0.562	0.692
Urban minor arterial	0.523	0.654	0.511	0.643	0.528	0.659	0.511	0.643
Urban collector	0.510	0.643	0.498	0.631	0.512	0.645	0.499	0.633
Urban local	0.559	0.689	0.571	0.703	0.563	0.693	0.557	0.686

2025	TDM AM Peak		TDM PM Peak		TDM Off-Peak		Rural Spreadsheet	
	NOx		NOx		NOx		NOx	
	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural interstate	0.505	0.567	0.505	0.567	0.505	0.567	0.505	0.567
Rural principal arterial	0.312	0.390	0.275	0.351	0.356	0.435	0.288	0.364
Rural minor arterial	0.273	0.352	0.270	0.349	0.273	0.352	0.268	0.347
Rural major collector	0.247	0.332	0.242	0.327	0.250	0.336	0.242	0.327
Rural minor collector	0.240	0.324	0.238	0.322	0.240	0.324	0.243	0.328
Rural local	0.274	0.362	0.274	0.362	0.274	0.362	0.258	0.339
Urban interstate	0.399	0.473	0.338	0.411	0.406	0.481	0.391	0.465
Urban principal arterial	0.236	0.320	0.243	0.328	0.245	0.329	0.243	0.328
Urban minor arterial	0.228	0.315	0.224	0.311	0.233	0.321	0.227	0.315
Urban collector	0.222	0.310	0.222	0.310	0.224	0.312	0.224	0.313
Urban local	0.244	0.331	0.249	0.337	0.249	0.337	0.240	0.325

2035	TDM AM Peak		TDM PM Peak		TDM Off-Peak		Rural Spreadsheet	
	NOx		NOx		NOx		NOx	
	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural interstate	0.307	0.387	0.307	0.387	0.307	0.387	0.307	0.387
Rural principal arterial	0.206	0.297	0.190	0.280	0.230	0.323	0.203	0.294
Rural minor arterial	0.197	0.289	0.196	0.288	0.198	0.291	0.196	0.288
Rural major collector	0.187	0.284	0.184	0.280	0.190	0.288	0.186	0.283
Rural minor collector	0.183	0.279	0.181	0.277	0.184	0.279	0.186	0.282
Rural local	0.205	0.306	0.208	0.310	0.208	0.310	0.191	0.284
Urban interstate	0.266	0.357	0.253	0.343	0.266	0.357	0.258	0.348
Urban principal arterial	0.182	0.278	0.189	0.289	0.185	0.281	0.186	0.284
Urban minor arterial	0.188	0.289	0.183	0.282	0.189	0.290	0.179	0.278
Urban collector	0.175	0.274	0.178	0.277	0.177	0.276	0.178	0.279
Urban local	0.188	0.286	0.191	0.291	0.189	0.289	0.184	0.280

Conformity Emission Factors Granville County

All emission factors are in grams/mile

2015	TDM AM Peak		TDM PM Peak		TDM Off-Peak		Rural Spreadsheet	
	NOx		NOx		NOx		NOx	
	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural Interstate	1.046	1.131	1.046	1.131	1.046	1.131	1.046	1.133
Rural principal arterial							0.509	0.608
Rural minor arterial							0.467	0.568
Rural major collector	0.393	0.499	0.391	0.496	0.404	0.510	0.398	0.505
Rural minor collector	0.390	0.495	0.387	0.492	0.392	0.496	0.402	0.508
Rural local	0.501	0.618	0.501	0.618	0.501	0.618	0.442	0.544
Urban Interstate							0.756	0.854
Urban principal arterial							0.399	0.507
Urban minor arterial	0.356	0.464	0.360	0.469	0.358	0.465	0.361	0.471
Urban collector	0.348	0.457	0.365	0.480	0.348	0.457	0.352	0.463
Urban local							0.395	0.502
2025	TDM AM Peak		TDM PM Peak		TDM Off-Peak		Rural Spreadsheet	
	NOx		NOx		NOx		NOx	
	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural Interstate	0.338	0.433	0.296	0.391	0.362	0.458	0.363	0.460
Rural principal arterial							0.210	0.321
Rural minor arterial	0.204	0.316	0.202	0.314	0.204	0.316	0.200	0.313
Rural major collector	0.178	0.295	0.177	0.293	0.185	0.303	0.183	0.301
Rural minor collector	0.178	0.294	0.181	0.299	0.178	0.293	0.183	0.301
Rural local	0.227	0.360	0.227	0.360	0.227	0.360	0.193	0.307
Urban Interstate							0.286	0.396
Urban principal arterial							0.183	0.302
Urban minor arterial	0.174	0.295	0.196	0.330	0.169	0.288	0.172	0.293
Urban collector	0.170	0.291	0.180	0.307	0.171	0.294	0.171	0.293
Urban local							0.181	0.299
2035	TDM AM Peak		TDM PM Peak		TDM Off-Peak		Rural Spreadsheet	
	NOx		NOx		NOx		NOx	
	IM	Non-IM	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural Interstate	0.253	0.348	0.235	0.329	0.284	0.381	0.285	0.383
Rural principal arterial							0.176	0.287
Rural minor arterial	0.172	0.283	0.170	0.281	0.172	0.283	0.170	0.282
Rural major collector	0.155	0.271	0.154	0.270	0.161	0.279	0.159	0.277
Rural minor collector	0.154	0.269	0.155	0.271	0.155	0.270	0.159	0.277
Rural local	0.196	0.329	0.196	0.329	0.196	0.329	0.166	0.279
Urban Interstate							0.233	0.343
Urban principal arterial							0.159	0.278
Urban minor arterial	0.159	0.284	0.180	0.318	0.149	0.267	0.152	0.272
Urban collector	0.151	0.272	0.162	0.290	0.155	0.278	0.151	0.273
Urban local							0.157	0.275

Conformity Emission Factors Chatham County

All emission factors are in grams/mile

2015	TDM AM Peak		TDM PM Peak		TDM Off-Peak	
	NOx		NOx		NOx	
	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural principal arterial	0.811	0.932	0.796	0.917	0.811	0.932
Rural minor arterial	0.665	0.787	0.665	0.787	0.671	0.794
Rural major collector	0.560	0.689	0.557	0.686	0.563	0.692
Rural minor collector	0.563	0.691	0.559	0.687	0.563	0.691
Rural local	0.660	0.795	0.660	0.795	0.669	0.806
Urban principal arterial	0.619	0.749	0.613	0.742	0.631	0.761
Urban minor arterial	0.520	0.652	0.517	0.649	0.520	0.652
Urban collector	0.522	0.656	0.507	0.640	0.529	0.662
Urban local	0.571	0.699	0.571	0.699	0.571	0.699

2025	TDM AM Peak		TDM PM Peak		TDM Off-Peak	
	NOx		NOx		NOx	
	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural principal arterial	0.309	0.387	0.302	0.380	0.317	0.395
Rural minor arterial	0.273	0.352	0.268	0.347	0.275	0.354
Rural major collector	0.238	0.323	0.236	0.320	0.241	0.326
Rural minor collector	0.240	0.324	0.240	0.324	0.242	0.326
Rural local	0.281	0.373	0.281	0.373	0.281	0.373
Urban principal arterial	0.253	0.338	0.253	0.338	0.269	0.355
Urban minor arterial	0.231	0.318	0.228	0.315	0.231	0.318
Urban collector	0.230	0.319	0.222	0.309	0.235	0.324
Urban local	0.245	0.329	0.245	0.329	0.245	0.329

2035	TDM AM Peak		TDM PM Peak		TDM Off-Peak	
	NOx		NOx		NOx	
	IM	Non-IM	IM	Non-IM	IM	Non-IM
Rural principal arterial	0.212	0.304	0.205	0.296	0.218	0.310
Rural minor arterial	0.198	0.291	0.192	0.284	0.198	0.291
Rural major collector	0.181	0.277	0.182	0.279	0.183	0.279
Rural minor collector	0.184	0.279	0.183	0.279	0.185	0.281
Rural local	0.211	0.315	0.211	0.315	0.215	0.320
Urban principal arterial	0.188	0.284	0.187	0.283	0.201	0.300
Urban minor arterial	0.181	0.279	0.180	0.278	0.181	0.280
Urban collector	0.179	0.279	0.178	0.277	0.185	0.285
Urban local	0.186	0.282	0.183	0.279	0.187	0.283

Conformity Emission Factors Person County	
All emission factors are in grams/mile	
2015	Rural Spreadsheet
	NOx
	Non-IM
Rural principal arterial	0.840
Rural minor arterial	0.767
Rural major collector	0.689
Rural minor collector	0.694
Rural local	0.744
Urban principal arterial	0.697
Urban minor arterial	0.645
Urban collector	0.633
Urban local	0.686

2025	Rural Spreadsheet
	NOx
	Non-IM
Rural principal arterial	0.359
Rural minor arterial	0.344
Rural major collector	0.327
Rural minor collector	0.328
Rural local	0.339
Urban principal arterial	0.334
Urban minor arterial	0.316
Urban collector	0.313
Urban local	0.325

2035	Rural Spreadsheet
	NOx
	Non-IM
Rural principal arterial	0.290
Rural minor arterial	0.284
Rural major collector	0.283
Rural minor collector	0.282
Rural local	0.284
Urban principal arterial	0.289
Urban minor arterial	0.279
Urban collector	0.280
Urban local	0.280