

**2035 Metrolina  
NOx Emissions**

Model	NOX RATES		NOX kg/day			
	VMT	MPH		IM	No IM	Comp
<b>Cabarrus AM Peak</b>						
Rural Interstate	0	0	0.435	0.682	0.450	0
Rural Principal Arterial	62,694	44	0.199	0.341	0.208	13
Rural Minor Arterial	77,170	39	0.184	0.330	0.193	15
Rural Major Collector	131,600	33	0.177	0.329	0.186	24
Rural Minor Collector	98,653	30	0.181	0.332	0.190	19
Rural Local	233,188	26	0.192	0.342	0.201	47
Urban Interstate	546,807	48	0.214	0.349	0.222	121
Urban Other Freeway/Xprwy	0	0	0.406	0.698	0.424	0
Urban Principal Arterial	279,990	27	0.182	0.342	0.192	54
Urban Minor Arterial	326,611	26	0.183	0.344	0.193	63
Urban Collector	196,363	22	0.192	0.359	0.202	40
Urban Local	308,203	23	0.190	0.353	0.200	62
<b>Cabarrus</b>	<b>2,261,280</b>		<b>94%</b>	<b>6%</b>		<b>457</b>
<b>Cabarrus Midday</b>						
Rural Interstate	0	0	0.435	0.682	0.450	0
Rural Principal Arterial	82,780	49	0.207	0.350	0.216	18
Rural Minor Arterial	90,971	47	0.192	0.340	0.201	18
Rural Major Collector	183,495	38	0.178	0.329	0.187	34
Rural Minor Collector	131,908	35	0.177	0.326	0.186	25
Rural Local	324,321	27	0.190	0.339	0.199	65
Urban Interstate	677,882	68	0.272	0.412	0.280	190
Urban Other Freeway/Xprwy	0	0	0.406	0.698	0.424	0
Urban Principal Arterial	416,339	30	0.177	0.334	0.186	78
Urban Minor Arterial	503,610	29	0.178	0.335	0.187	94
Urban Collector	301,099	26	0.183	0.343	0.193	58
Urban Local	498,264	24	0.187	0.349	0.197	98
<b>Cabarrus</b>	<b>3,210,668</b>		<b>94%</b>	<b>6%</b>		<b>678</b>
<b>Cabarrus PM Peak</b>						
Rural Interstate	0	0	0.435	0.682	0.450	0
Rural Principal Arterial	69,539	44	0.199	0.341	0.208	14
Rural Minor Arterial	86,563	37	0.182	0.328	0.191	17
Rural Major Collector	150,695	31	0.179	0.331	0.188	28
Rural Minor Collector	117,481	29	0.183	0.335	0.192	23
Rural Local	271,618	26	0.192	0.342	0.201	55
Urban Interstate	606,529	48	0.214	0.349	0.222	135
Urban Other Freeway/Xprwy	0	0	0.406	0.698	0.424	0
Urban Principal Arterial	328,089	24	0.188	0.352	0.198	65
Urban Minor Arterial	383,335	24	0.187	0.351	0.197	75
Urban Collector	235,749	21	0.194	0.364	0.204	48
Urban Local	367,634	23	0.190	0.353	0.200	73
<b>Cabarrus</b>	<b>2,617,233</b>		<b>94%</b>	<b>6%</b>		<b>533</b>
<b>Cabarrus Night</b>						
Rural Interstate	0	0	0.435	0.682	0.450	0
Rural Principal Arterial	47,902	53	0.215	0.360	0.224	11
Rural Minor Arterial	56,664	51	0.198	0.347	0.207	12
Rural Major Collector	105,658	47	0.186	0.339	0.195	21
Rural Minor Collector	66,924	45	0.185	0.336	0.194	13
Rural Local	175,288	27	0.190	0.339	0.199	35
Urban Interstate	367,388	68	0.272	0.412	0.280	103
Urban Other Freeway/Xprwy	0	0	0.406	0.698	0.424	0
Urban Principal Arterial	225,218	40	0.176	0.330	0.185	42
Urban Minor Arterial	264,999	39	0.175	0.329	0.184	49
Urban Collector	145,823	36	0.173	0.326	0.182	27
Urban Local	242,016	26	0.183	0.342	0.193	47
<b>Cabarrus</b>	<b>1,697,880</b>		<b>94%</b>	<b>6%</b>		<b>358</b>
<b>Cabarrus 24 Hour</b>						
Rural Interstate	0					0
Rural Principal Arterial	262,916					56
Rural Minor Arterial	311,368					61
Rural Major Collector	571,448					108
Rural Minor Collector	414,966					79
Rural Local	1,004,415					201
Urban Interstate	2,198,607					549
Urban Other Freeway/Xprwy	0					0
Urban Principal Arterial	1,249,636					238
Urban Minor Arterial	1,478,555					282
Urban Collector	879,034					172
Urban Local	1,416,116					280
<b>Cabarrus</b>	<b>9,787,061</b>		<b>model kg / day</b>	<b>NOX</b>		<b>2,026</b>
			<b>total model emissions</b>			<b>2,026</b>
			<b>emissions budget</b>			<b>7,324</b>
			<b>budget minus model</b>			<b>5,298</b>

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	Model		NOX RATES			NOX kg/day
	VMT	MPH	IM	No IM	Comp	
<b>Gaston AM Peak</b>						
Rural Interstate	33,843	23	0.193	0.287	0.201	7
Rural Principal Arterial	84,574	44	0.174	0.283	0.184	16
Rural Minor Arterial	110,766	30	0.159	0.272	0.169	19
Rural Major Collector	134,695	28	0.155	0.274	0.166	22
Rural Minor Collector	80,124	34	0.152	0.266	0.162	13
Rural Local	146,646	28	0.162	0.275	0.172	25
Urban Interstate	723,417	35	0.174	0.276	0.183	133
Urban Other Freeway/Xprwy	33,179	47	0.174	0.285	0.184	6
Urban Principal Arterial	398,664	27	0.154	0.276	0.165	66
Urban Minor Arterial	305,640	25	0.156	0.281	0.167	51
Urban Collector	92,278	25	0.155	0.280	0.166	15
Urban Local	306,193	24	0.158	0.283	0.169	52
<b>Gaston</b>	<b>2,450,019</b>		<b>91%</b>	<b>9%</b>		<b>424</b>
<b>Gaston Midday</b>						
Rural Interstate	47,450	51	0.214	0.309	0.223	11
Rural Principal Arterial	97,238	52	0.187	0.298	0.197	19
Rural Minor Arterial	138,593	42	0.160	0.273	0.170	24
Rural Major Collector	175,228	37	0.150	0.266	0.160	28
Rural Minor Collector	84,852	38	0.153	0.267	0.163	14
Rural Local	179,603	28	0.162	0.275	0.172	31
Urban Interstate	994,793	56	0.210	0.315	0.219	218
Urban Other Freeway/Xprwy	42,088	51	0.180	0.292	0.190	8
Urban Principal Arterial	508,993	35	0.146	0.264	0.157	80
Urban Minor Arterial	404,786	33	0.147	0.265	0.158	64
Urban Collector	114,711	26	0.154	0.277	0.165	19
Urban Local	474,924	24	0.158	0.283	0.169	80
<b>Gaston</b>	<b>3,263,259</b>		<b>91%</b>	<b>9%</b>		<b>595</b>
<b>Gaston PM Peak</b>						
Rural Interstate	35,284	29	0.189	0.282	0.197	7
Rural Principal Arterial	90,077	50	0.183	0.293	0.193	17
Rural Minor Arterial	123,489	31	0.158	0.271	0.168	21
Rural Major Collector	152,521	27	0.157	0.277	0.168	26
Rural Minor Collector	92,933	34	0.152	0.266	0.162	15
Rural Local	176,002	28	0.162	0.275	0.172	30
Urban Interstate	792,369	34	0.174	0.276	0.183	145
Urban Other Freeway/Xprwy	34,527	47	0.174	0.285	0.184	6
Urban Principal Arterial	456,922	26	0.155	0.279	0.166	76
Urban Minor Arterial	344,720	26	0.155	0.278	0.166	57
Urban Collector	104,807	21	0.164	0.294	0.176	18
Urban Local	357,327	24	0.158	0.283	0.169	60
<b>Gaston</b>	<b>2,760,978</b>		<b>91%</b>	<b>9%</b>		<b>480</b>
<b>Gaston Night</b>						
Rural Interstate	29,020	61	0.254	0.352	0.263	8
Rural Principal Arterial	56,054	56	0.196	0.308	0.206	12
Rural Minor Arterial	76,875	48	0.167	0.281	0.177	14
Rural Major Collector	106,541	47	0.159	0.276	0.170	18
Rural Minor Collector	44,144	40	0.154	0.268	0.164	7
Rural Local	91,685	27	0.163	0.278	0.173	16
Urban Interstate	606,292	64	0.242	0.350	0.252	153
Urban Other Freeway/Xprwy	26,090	55	0.187	0.301	0.197	5
Urban Principal Arterial	272,810	40	0.149	0.267	0.160	44
Urban Minor Arterial	229,500	39	0.148	0.266	0.159	36
Urban Collector	62,612	34	0.145	0.263	0.156	10
Urban Local	252,067	25	0.157	0.280	0.168	42
<b>Gaston</b>	<b>1,853,689</b>		<b>91%</b>	<b>9%</b>		<b>364</b>
<b>Gaston 24 Hour</b>						
Rural Interstate	145,596					32
Rural Principal Arterial	327,943					64
Rural Minor Arterial	449,723					77
Rural Major Collector	568,986					94
Rural Minor Collector	302,053					49
Rural Local	593,935					102
Urban Interstate	3,116,871					649
Urban Other Freeway/Xprwy	135,884					26
Urban Principal Arterial	1,637,389					265
Urban Minor Arterial	1,284,646					209
Urban Collector	374,408					62
Urban Local	1,390,512					235
<b>Gaston</b>	<b>10,327,945</b>		<b>model kg / day</b>	<b>NOX</b>		<b>1,863</b>
						<b>total model emissions</b>
						<b>1,863</b>
						<b>emissions budget</b>
						<b>7,647</b>
						<b>budget minus model</b>
						<b>5,784</b>

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NOx Emissions**

	Model		NOX RATES			NOX kg/day
	VMT	MPH	IM	No IM	Comp	
<b>Iredell AM Peak</b>						
Rural Interstate	393,411	13	0.242	0.374	0.260	102
Rural Principal Arterial	0	0	0.411	0.698	0.451	0
Rural Minor Arterial	42,156	10	0.271	0.478	0.300	13
Rural Major Collector	89,856	15	0.223	0.407	0.249	22
Rural Minor Collector	79,151	20	0.203	0.370	0.226	18
Rural Local	237,727	23	0.199	0.353	0.221	52
Urban Interstate	0	0	0.420	0.690	0.458	0
Urban Other Freeway/Xprwy	0	0	0.406	0.698	0.447	0
Urban Principal Arterial	30,652	19	0.202	0.377	0.227	7
Urban Minor Arterial	52,230	14	0.225	0.417	0.252	13
Urban Collector	27,481	19	0.201	0.375	0.225	6
Urban Local	147,733	23	0.190	0.353	0.213	31
Iredell	1,100,397		86%	14%		266
<b>Iredell Midday</b>						
Rural Interstate	582,874	33	0.209	0.331	0.226	132
Rural Principal Arterial	0	0	0.411	0.698	0.451	0
Rural Minor Arterial	66,454	11	0.260	0.459	0.288	19
Rural Major Collector	124,004	23	0.193	0.356	0.216	27
Rural Minor Collector	112,201	25	0.190	0.347	0.212	24
Rural Local	374,862	24	0.196	0.349	0.217	82
Urban Interstate	0	0	0.420	0.690	0.458	0
Urban Other Freeway/Xprwy	0	0	0.406	0.698	0.447	0
Urban Principal Arterial	48,524	20	0.199	0.371	0.223	11
Urban Minor Arterial	79,462	17	0.209	0.390	0.234	19
Urban Collector	41,702	20	0.197	0.369	0.221	9
Urban Local	246,939	24	0.187	0.349	0.210	52
Iredell	1,677,022		86%	14%		373
<b>Iredell PM Peak</b>						
Rural Interstate	413,700	14	0.234	0.360	0.252	104
Rural Principal Arterial	0	0	0.411	0.698	0.451	0
Rural Minor Arterial	47,217	9	0.279	0.491	0.309	15
Rural Major Collector	101,977	16	0.218	0.398	0.243	25
Rural Minor Collector	91,944	20	0.203	0.370	0.226	21
Rural Local	278,135	22	0.201	0.358	0.223	62
Urban Interstate	0	0	0.420	0.690	0.458	0
Urban Other Freeway/Xprwy	0	0	0.406	0.698	0.447	0
Urban Principal Arterial	36,484	15	0.220	0.408	0.246	9
Urban Minor Arterial	57,841	11	0.250	0.459	0.279	16
Urban Collector	31,565	16	0.213	0.397	0.239	8
Urban Local	172,771	22	0.192	0.358	0.215	37
Iredell	1,231,634		86%	14%		296
<b>Iredell Night</b>						
Rural Interstate	346,340	67	0.301	0.429	0.319	110
Rural Principal Arterial	0	0	0.411	0.698	0.451	0
Rural Minor Arterial	38,883	26	0.192	0.344	0.213	8
Rural Major Collector	64,888	37	0.177	0.328	0.198	13
Rural Minor Collector	53,473	40	0.181	0.330	0.202	11
Rural Local	190,307	30	0.185	0.331	0.205	39
Urban Interstate	0	0	0.420	0.690	0.458	0
Urban Other Freeway/Xprwy	0	0	0.406	0.698	0.447	0
Urban Principal Arterial	26,315	30	0.177	0.334	0.199	5
Urban Minor Arterial	42,085	31	0.176	0.331	0.198	8
Urban Collector	17,768	32	0.174	0.329	0.196	3
Urban Local	115,735	26	0.183	0.342	0.205	24
Iredell	895,794		86%	14%		222
<b>Iredell 24 Hour</b>						
Rural Interstate	1,736,325					449
Rural Principal Arterial	0					0
Rural Minor Arterial	194,711					55
Rural Major Collector	380,725					87
Rural Minor Collector	336,769					73
Rural Local	1,081,030					235
Urban Interstate	0					0
Urban Other Freeway/Xprwy	0					0
Urban Principal Arterial	141,974					32
Urban Minor Arterial	231,617					56
Urban Collector	118,516					26
Urban Local	683,180					144
Iredell	4,904,846		model kg / day	NOX		1,157
						total model emissions
						1,157
						emissions budget
						5,637
						budget minus model
						4,480

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Model	VMT	MPH	NOX RATES			NOX kg/day
			IM	No IM	Comp	
<b>Lincoln AM Peak</b>						
Rural Interstate	0	0	0.435	0.682	0.442	0
Rural Principal Arterial	200,669	43	0.198	0.340	0.202	41
Rural Minor Arterial	128,819	28	0.188	0.338	0.193	25
Rural Major Collector	94,096	48	0.187	0.340	0.192	18
Rural Minor Collector	125,586	34	0.178	0.327	0.182	23
Rural Local	287,617	27	0.190	0.339	0.194	56
Urban Interstate	0	0	0.420	0.690	0.428	0
Urban Other Freeway/Xprwy	0	0	0.406	0.698	0.415	0
Urban Principal Arterial	31,344	35	0.173	0.327	0.178	6
Urban Minor Arterial	16,650	15	0.219	0.407	0.225	4
Urban Collector	9,552	16	0.213	0.397	0.219	2
Urban Local	63,548	25	0.185	0.346	0.190	12
Lincoln	957,880		97%	3%		186
<b>Lincoln Midday</b>						
Rural Interstate	0	0	0.435	0.682	0.442	0
Rural Principal Arterial	263,810	49	0.207	0.350	0.211	56
Rural Minor Arterial	189,851	31	0.184	0.331	0.188	36
Rural Major Collector	122,245	51	0.191	0.345	0.196	24
Rural Minor Collector	157,954	40	0.181	0.330	0.185	29
Rural Local	417,618	27	0.190	0.339	0.194	81
Urban Interstate	0	0	0.420	0.690	0.428	0
Urban Other Freeway/Xprwy	0	0	0.406	0.698	0.415	0
Urban Principal Arterial	44,096	34	0.174	0.328	0.179	8
Urban Minor Arterial	25,545	17	0.209	0.390	0.214	5
Urban Collector	13,659	24	0.187	0.351	0.192	3
Urban Local	102,526	25	0.185	0.346	0.190	19
Lincoln	1,337,305		97%	3%		261
<b>Lincoln PM Peak</b>						
Rural Interstate	0	0	0.435	0.682	0.442	0
Rural Principal Arterial	219,804	41	0.195	0.337	0.199	44
Rural Minor Arterial	142,492	25	0.194	0.348	0.199	28
Rural Major Collector	103,801	46	0.185	0.338	0.190	20
Rural Minor Collector	139,545	34	0.178	0.327	0.182	25
Rural Local	332,412	27	0.190	0.339	0.194	65
Urban Interstate	0	0	0.420	0.690	0.428	0
Urban Other Freeway/Xprwy	0	0	0.406	0.698	0.415	0
Urban Principal Arterial	36,423	32	0.176	0.331	0.181	7
Urban Minor Arterial	17,837	13	0.232	0.429	0.238	4
Urban Collector	11,026	18	0.204	0.382	0.209	2
Urban Local	74,389	24	0.187	0.349	0.192	14
Lincoln	1,077,728		97%	3%		209
<b>Lincoln Night</b>						
Rural Interstate	0	0	0.435	0.682	0.442	0
Rural Principal Arterial	134,533	56	0.222	0.368	0.226	30
Rural Minor Arterial	130,577	41	0.185	0.332	0.189	25
Rural Major Collector	69,099	55	0.196	0.352	0.201	14
Rural Minor Collector	78,609	46	0.187	0.337	0.192	15
Rural Local	210,518	28	0.188	0.336	0.192	41
Urban Interstate	0	0	0.420	0.690	0.428	0
Urban Other Freeway/Xprwy	0	0	0.406	0.698	0.415	0
Urban Principal Arterial	25,939	44	0.180	0.335	0.185	5
Urban Minor Arterial	14,187	26	0.183	0.344	0.188	3
Urban Collector	6,918	32	0.174	0.329	0.179	1
Urban Local	52,693	25	0.185	0.346	0.190	10
Lincoln	723,074		97%	3%		143
<b>Lincoln 24 Hour</b>						
Rural Interstate	0					0
Rural Principal Arterial	818,815					171
Rural Minor Arterial	591,739					114
Rural Major Collector	389,240					75
Rural Minor Collector	501,694					93
Rural Local	1,248,166					242
Urban Interstate	0					0
Urban Other Freeway/Xprwy	0					0
Urban Principal Arterial	137,802					25
Urban Minor Arterial	74,218					16
Urban Collector	41,155					8
Urban Local	293,156					56
Lincoln	4,095,986		model kg / day	NOX		800
total model emissions						800
emissions budget						2,948
budget minus model						2,148

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NOx Emissions**

	Model		NOX RATES			NOX kg/day
	VMT	MPH	IM	No IM	Comp	
<b>Mecklenburg AM Peak</b>						
Rural Principal Arterial	59,948	23	0.167	0.275	0.178	11
Rural Minor Arterial	43,838	14	0.201	0.338	0.215	9
Rural Major Collector	6,448	15	0.188	0.328	0.202	1
Rural Minor Collector	73,474	27	0.157	0.274	0.169	12
Rural Local	200,117	27	0.162	0.275	0.173	35
Urban Interstate	1,789,625	31	0.174	0.274	0.184	329
Urban Other Freeway/Xprway	2,238,014	48	0.174	0.284	0.185	414
Urban Principal Arterial	1,305,279	20	0.166	0.297	0.179	234
Urban Minor Arterial	1,434,524	20	0.166	0.296	0.179	257
Urban Collector	1,206,798	17	0.174	0.311	0.188	227
Urban Local	2,101,390	21	0.163	0.290	0.176	369
Urban HOV	65,128	63	0.170	0.299	0.183	12
Mecklenburg	10,524,582		90%	10%		1,910
<b>Mecklenburg Midday</b>						
Rural Principal Arterial	82,219	31	0.165	0.272	0.176	14
Rural Minor Arterial	61,906	17	0.186	0.316	0.199	12
Rural Major Collector	9,572	24	0.160	0.282	0.172	2
Rural Minor Collector	108,895	32	0.151	0.265	0.162	18
Rural Local	316,231	28	0.161	0.272	0.172	54
Urban Interstate	2,700,014	44	0.182	0.283	0.192	519
Urban Other Freeway/Xprway	2,724,132	57	0.191	0.304	0.202	551
Urban Principal Arterial	2,004,011	24	0.157	0.282	0.170	340
Urban Minor Arterial	2,227,252	23	0.158	0.284	0.171	380
Urban Collector	1,875,957	21	0.162	0.291	0.175	328
Urban Local	3,450,116	21	0.163	0.290	0.176	606
Urban HOV	63,036	67	0.174	0.302	0.187	12
Mecklenburg	15,623,342		90%	10%		2,836
<b>Mecklenburg PM Peak</b>						
Rural Principal Arterial	67,966	23	0.167	0.275	0.178	12
Rural Minor Arterial	49,526	15	0.195	0.330	0.209	10
Rural Major Collector	7,159	17	0.179	0.313	0.192	1
Rural Minor Collector	88,835	24	0.162	0.282	0.174	15
Rural Local	236,440	25	0.165	0.280	0.177	42
Urban Interstate	1,959,048	29	0.174	0.275	0.184	361
Urban Other Freeway/Xprway	2,517,308	45	0.169	0.279	0.180	453
Urban Principal Arterial	1,532,639	17	0.176	0.313	0.190	291
Urban Minor Arterial	1,696,139	17	0.175	0.312	0.189	320
Urban Collector	1,400,690	16	0.178	0.318	0.192	269
Urban Local	2,502,641	19	0.169	0.299	0.182	455
Urban HOV	62,006	61	0.167	0.295	0.180	11
Mecklenburg	12,120,396		90%	10%		2,241
<b>Mecklenburg Night</b>						
Rural Principal Arterial	43,850	45	0.173	0.281	0.184	8
Rural Minor Arterial	39,147	31	0.156	0.268	0.167	7
Rural Major Collector	6,310	34	0.148	0.262	0.159	1
Rural Minor Collector	52,224	43	0.155	0.269	0.166	9
Rural Local	148,446	29	0.159	0.270	0.170	25
Urban Interstate	1,684,804	61	0.227	0.332	0.238	400
Urban Other Freeway/Xprway	1,385,025	61	0.202	0.316	0.213	296
Urban Principal Arterial	1,056,519	35	0.144	0.261	0.156	165
Urban Minor Arterial	1,157,396	35	0.144	0.260	0.156	180
Urban Collector	974,118	33	0.144	0.261	0.156	152
Urban Local	1,614,478	24	0.157	0.279	0.169	273
Urban HOV	4,160	68	0.174	0.302	0.187	1
Mecklenburg	8,166,479		90%	10%		1,515
<b>Mecklenburg 24 Hour</b>						
Rural Principal Arterial	253,983					45
Rural Minor Arterial	194,417					39
Rural Major Collector	29,490					5
Rural Minor Collector	323,428					54
Rural Local	901,234					156
Urban Interstate	8,133,491					1,609
Urban Other Freeway/Xprway	8,864,478					1,714
Urban Principal Arterial	5,898,449					1,029
Urban Minor Arterial	6,515,311					1,137
Urban Collector	5,457,563					975
Urban Local	9,668,624					1,704
Urban HOV	194,330					36
Mecklenburg	46,434,799		model kg / day	NOX		8,503
			total model emissions			8,503
			emissions budget			34,526
			budget minus model			26,023



**2035 Metrolina  
NOx Emissions**

	Model		NOX RATES			NOX kg/day
	VMT	MPH	IM	No IM	Comp	
<b>Union AM Peak</b>						
Rural Interstate	0	0	0.435	0.682	0.462	0
Rural Principal Arterial	230,686	48	0.205	0.349	0.221	51
Rural Minor Arterial	37,289	41	0.185	0.332	0.201	8
Rural Major Collector	337,417	33	0.177	0.329	0.194	65
Rural Minor Collector	188,765	34	0.178	0.327	0.194	37
Rural Local	650,486	28	0.188	0.336	0.204	133
Urban Interstate	0	0	0.420	0.690	0.450	0
Urban Other Freeway/Xprway	81,635	32	0.188	0.332	0.204	17
Urban Principal Arterial	186,596	29	0.179	0.336	0.196	37
Urban Minor Arterial	225,401	21	0.195	0.365	0.214	48
Urban Collector	101,928	23	0.189	0.355	0.207	21
Urban Local	368,421	23	0.190	0.353	0.208	77
Union	2,408,624		89%	11%		493
<b>Union Midday</b>						
Rural Interstate	0	0	0.435	0.682	0.462	0
Rural Principal Arterial	273,790	49	0.207	0.350	0.223	61
Rural Minor Arterial	51,368	45	0.189	0.337	0.205	11
Rural Major Collector	479,161	36	0.177	0.327	0.194	93
Rural Minor Collector	254,635	38	0.179	0.328	0.195	50
Rural Local	944,323	29	0.187	0.333	0.203	192
Urban Interstate	0	0	0.420	0.690	0.450	0
Urban Other Freeway/Xprway	98,887	54	0.212	0.360	0.228	23
Urban Principal Arterial	268,523	33	0.175	0.329	0.192	52
Urban Minor Arterial	346,023	26	0.183	0.344	0.201	69
Urban Collector	150,557	28	0.179	0.337	0.196	30
Urban Local	579,432	25	0.185	0.346	0.203	117
Union	3,446,699		89%	11%		696
<b>Union PM Peak</b>						
Rural Interstate	0	0	0.435	0.682	0.462	0
Rural Principal Arterial	250,862	47	0.204	0.347	0.220	55
Rural Minor Arterial	42,959	38	0.183	0.329	0.199	9
Rural Major Collector	378,739	31	0.179	0.331	0.196	74
Rural Minor Collector	214,591	31	0.181	0.331	0.198	42
Rural Local	750,081	28	0.188	0.336	0.204	153
Urban Interstate	0	0	0.420	0.690	0.450	0
Urban Other Freeway/Xprway	87,046	42	0.193	0.337	0.209	18
Urban Principal Arterial	207,976	27	0.182	0.342	0.200	42
Urban Minor Arterial	259,416	20	0.198	0.370	0.217	56
Urban Collector	116,434	21	0.194	0.364	0.213	25
Urban Local	430,947	23	0.190	0.353	0.208	90
Union	2,739,051		89%	11%		564
<b>Union Night</b>						
Rural Interstate	0	0	0.435	0.682	0.462	0
Rural Principal Arterial	131,376	52	0.213	0.357	0.229	30
Rural Minor Arterial	31,627	49	0.195	0.343	0.211	7
Rural Major Collector	285,279	45	0.184	0.336	0.201	57
Rural Minor Collector	135,784	45	0.185	0.336	0.202	27
Rural Local	482,929	30	0.185	0.331	0.201	97
Urban Interstate	0	0	0.420	0.690	0.450	0
Urban Other Freeway/Xprway	43,147	55	0.214	0.362	0.230	10
Urban Principal Arterial	151,436	41	0.177	0.332	0.194	29
Urban Minor Arterial	205,357	37	0.174	0.328	0.191	39
Urban Collector	78,652	38	0.174	0.328	0.191	15
Urban Local	293,422	28	0.180	0.336	0.197	58
Union	1,839,009		89%	11%		370
<b>Union 24 Hour</b>						
Rural Interstate	0					0
Rural Principal Arterial	886,713					197
Rural Minor Arterial	163,243					33
Rural Major Collector	1,480,595					289
Rural Minor Collector	793,776					156
Rural Local	2,827,819					575
Urban Interstate	0					0
Urban Other Freeway/Xprway	310,715					67
Urban Principal Arterial	814,531					159
Urban Minor Arterial	1,036,198					213
Urban Collector	447,570					90
Urban Local	1,672,222					342
Union	10,433,382		model kg / day	NOX		2,123
						2,123
						5,660
						3,537