

**2035 Metrolina  
VOC Emissions**

Model	VOC RATES		VOC			
	VMT	MPH	IM	No IM	Comp	kg/day
<b>Cabarrus AM Peak</b>						
Rural Interstate	0	0	2.674	3.660	2.733	0
Rural Principal Arterial	62,694	44	0.279	0.401	0.286	18
Rural Minor Arterial	77,170	39	0.291	0.422	0.299	23
Rural Major Collector	131,600	33	0.308	0.451	0.317	42
Rural Minor Collector	98,653	30	0.318	0.465	0.327	32
Rural Local	233,188	26	0.337	0.486	0.346	81
Urban Interstate	546,807	48	0.270	0.381	0.277	151
Urban Other Freeway/Xprway	0	0	2.838	4.003	2.908	0
Urban Principal Arterial	279,990	27	0.332	0.490	0.341	96
Urban Minor Arterial	326,611	26	0.337	0.497	0.347	113
Urban Collector	196,363	22	0.361	0.534	0.371	73
Urban Local	308,203	23	0.354	0.521	0.364	112
<b>Cabarrus</b>	<b>2,261,280</b>		<b>94%</b>	<b>6%</b>		<b>741</b>
<b>Cabarrus Midday</b>						
Rural Interstate	0	0	2.674	3.660	2.733	0
Rural Principal Arterial	82,780	49	0.272	0.389	0.279	23
Rural Minor Arterial	90,971	47	0.277	0.400	0.284	26
Rural Major Collector	183,495	38	0.295	0.431	0.303	56
Rural Minor Collector	131,908	35	0.301	0.439	0.309	41
Rural Local	324,321	27	0.332	0.479	0.341	111
Urban Interstate	677,882	68	0.259	0.356	0.265	180
Urban Other Freeway/Xprway	0	0	2.838	4.003	2.908	0
Urban Principal Arterial	416,339	30	0.319	0.471	0.328	137
Urban Minor Arterial	503,610	29	0.323	0.477	0.332	167
Urban Collector	301,099	26	0.337	0.496	0.347	104
Urban Local	498,264	24	0.348	0.511	0.358	178
<b>Cabarrus</b>	<b>3,210,668</b>		<b>94%</b>	<b>6%</b>		<b>1,022</b>
<b>Cabarrus PM Peak</b>						
Rural Interstate	0	0	2.674	3.660	2.733	0
Rural Principal Arterial	69,539	44	0.279	0.401	0.286	20
Rural Minor Arterial	86,563	37	0.296	0.428	0.304	26
Rural Major Collector	150,695	31	0.315	0.461	0.324	49
Rural Minor Collector	117,481	29	0.322	0.471	0.331	39
Rural Local	271,618	26	0.337	0.486	0.346	94
Urban Interstate	606,529	48	0.270	0.381	0.277	168
Urban Other Freeway/Xprway	0	0	2.838	4.003	2.908	0
Urban Principal Arterial	328,089	24	0.348	0.514	0.358	117
Urban Minor Arterial	383,335	24	0.348	0.513	0.358	137
Urban Collector	235,749	21	0.369	0.545	0.380	89
Urban Local	367,634	23	0.354	0.521	0.364	134
<b>Cabarrus</b>	<b>2,617,233</b>		<b>94%</b>	<b>6%</b>		<b>874</b>
<b>Cabarrus Night</b>						
Rural Interstate	0	0	2.674	3.660	2.733	0
Rural Principal Arterial	47,902	53	0.267	0.380	0.274	13
Rural Minor Arterial	56,664	51	0.272	0.391	0.279	16
Rural Major Collector	105,658	47	0.279	0.406	0.287	30
Rural Minor Collector	66,924	45	0.281	0.409	0.289	19
Rural Local	175,288	27	0.332	0.479	0.341	60
Urban Interstate	367,388	68	0.259	0.356	0.265	97
Urban Other Freeway/Xprway	0	0	2.838	4.003	2.908	0
Urban Principal Arterial	225,218	40	0.292	0.429	0.300	68
Urban Minor Arterial	264,999	39	0.294	0.432	0.302	80
Urban Collector	145,823	36	0.300	0.441	0.308	45
Urban Local	242,016	26	0.337	0.494	0.346	84
<b>Cabarrus</b>	<b>1,697,880</b>		<b>94%</b>	<b>6%</b>		<b>512</b>
<b>Cabarrus 24 Hour</b>						
Rural Interstate	0					0
Rural Principal Arterial	262,916					74
Rural Minor Arterial	311,368					91
Rural Major Collector	571,448					176
Rural Minor Collector	414,966					131
Rural Local	1,004,415					345
Urban Interstate	2,198,607					596
Urban Other Freeway/Xprway	0					0
Urban Principal Arterial	1,249,636					417
Urban Minor Arterial	1,478,555					498
Urban Collector	879,034					312
Urban Local	1,416,116					508
<b>Cabarrus</b>	<b>9,787,061</b>		<b>model kg / day</b>	<b>VOC</b>		<b>3,148</b>
			<b>total model emissions</b>			<b>3,148</b>
			<b>emissions budget</b>			<b>6,941</b>
			<b>budget minus model</b>			<b>3,793</b>

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	Model		VOC RATES			VOC kg/day
	VMT	MPH	IM	No IM	Comp	
<b>Gaston AM Peak</b>						
Rural Interstate	33,843	23	0.278	0.367	0.286	10
Rural Principal Arterial	84,574	44	0.222	0.308	0.230	19
Rural Minor Arterial	110,766	30	0.248	0.349	0.257	28
Rural Major Collector	134,695	28	0.255	0.360	0.264	36
Rural Minor Collector	80,124	34	0.237	0.335	0.246	20
Rural Local	146,646	28	0.255	0.355	0.264	39
Urban Interstate	723,417	35	0.235	0.321	0.243	176
Urban Other Freeway/Xprwy	33,179	47	0.219	0.305	0.227	8
Urban Principal Arterial	398,664	27	0.258	0.367	0.268	107
Urban Minor Arterial	305,640	25	0.266	0.377	0.276	84
Urban Collector	92,278	25	0.265	0.377	0.275	25
Urban Local	306,193	24	0.269	0.382	0.279	85
<b>Gaston</b>	<b>2,450,019</b>		<b>91%</b>	<b>9%</b>		<b>637</b>
<b>Gaston Midday</b>						
Rural Interstate	47,450	51	0.209	0.280	0.215	10
Rural Principal Arterial	97,238	52	0.214	0.296	0.221	22
Rural Minor Arterial	138,593	42	0.224	0.315	0.232	32
Rural Major Collector	175,228	37	0.232	0.329	0.241	42
Rural Minor Collector	84,852	38	0.230	0.325	0.239	20
Rural Local	179,603	28	0.255	0.355	0.264	47
Urban Interstate	994,793	56	0.209	0.284	0.216	215
Urban Other Freeway/Xprwy	42,088	51	0.215	0.299	0.223	9
Urban Principal Arterial	508,993	35	0.236	0.336	0.245	125
Urban Minor Arterial	404,786	33	0.240	0.342	0.249	101
Urban Collector	114,711	26	0.261	0.372	0.271	31
Urban Local	474,924	24	0.269	0.382	0.279	133
<b>Gaston</b>	<b>3,263,259</b>		<b>91%</b>	<b>9%</b>		<b>787</b>
<b>Gaston PM Peak</b>						
Rural Interstate	35,284	29	0.252	0.336	0.260	9
Rural Principal Arterial	90,077	50	0.215	0.298	0.222	20
Rural Minor Arterial	123,489	31	0.245	0.344	0.254	31
Rural Major Collector	152,521	27	0.258	0.365	0.268	41
Rural Minor Collector	92,933	34	0.237	0.335	0.246	23
Rural Local	176,002	28	0.255	0.355	0.264	46
Urban Interstate	792,369	34	0.237	0.325	0.245	194
Urban Other Freeway/Xprwy	34,527	47	0.219	0.305	0.227	8
Urban Principal Arterial	456,922	26	0.262	0.372	0.272	124
Urban Minor Arterial	344,720	26	0.262	0.372	0.272	94
Urban Collector	104,807	21	0.285	0.406	0.296	31
Urban Local	357,327	24	0.269	0.382	0.279	100
<b>Gaston</b>	<b>2,760,978</b>		<b>91%</b>	<b>9%</b>		<b>721</b>
<b>Gaston Night</b>						
Rural Interstate	29,020	61	0.206	0.272	0.212	6
Rural Principal Arterial	56,054	56	0.212	0.291	0.219	12
Rural Minor Arterial	76,875	48	0.218	0.305	0.226	17
Rural Major Collector	106,541	47	0.220	0.311	0.228	24
Rural Minor Collector	44,144	40	0.227	0.321	0.235	10
Rural Local	91,685	27	0.258	0.360	0.267	24
Urban Interstate	606,292	64	0.210	0.281	0.216	131
Urban Other Freeway/Xprwy	26,090	55	0.213	0.294	0.220	6
Urban Principal Arterial	272,810	40	0.229	0.326	0.238	65
Urban Minor Arterial	229,500	39	0.230	0.327	0.239	55
Urban Collector	62,612	34	0.238	0.339	0.247	15
Urban Local	252,067	25	0.265	0.375	0.275	69
<b>Gaston</b>	<b>1,853,689</b>		<b>91%</b>	<b>9%</b>		<b>436</b>
<b>Gaston 24 Hour</b>						
Rural Interstate	145,596					35
Rural Principal Arterial	327,943					73
Rural Minor Arterial	449,723					109
Rural Major Collector	568,986					143
Rural Minor Collector	302,053					73
Rural Local	593,935					157
Urban Interstate	3,116,871					715
Urban Other Freeway/Xprwy	135,884					30
Urban Principal Arterial	1,637,389					421
Urban Minor Arterial	1,284,646					334
Urban Collector	374,408					103
Urban Local	1,390,512					387
<b>Gaston</b>	<b>10,327,945</b>		<b>model kg / day</b>	<b>VOC</b>		<b>2,581</b>
						<b>2,581</b>
						<b>5,132</b>
						<b>2,551</b>

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	Model		VOC RATES			VOC kg/day
	VMT	MPH	IM	No IM	Comp	
<b>Iredell AM Peak</b>						
Rural Interstate	393,411	13	0.502	0.670	0.526	207
Rural Principal Arterial	0	0	2.813	3.957	2.973	0
Rural Minor Arterial	42,156	10	0.618	0.878	0.654	28
Rural Major Collector	89,856	15	0.471	0.679	0.500	45
Rural Minor Collector	79,151	20	0.378	0.553	0.403	32
Rural Local	237,727	23	0.355	0.513	0.377	90
Urban Interstate	0	0	2.758	3.835	2.909	0
Urban Other Freeway/Xprway	0	0	2.838	4.003	3.001	0
Urban Principal Arterial	30,652	19	0.392	0.578	0.418	13
Urban Minor Arterial	52,230	14	0.492	0.713	0.523	27
Urban Collector	27,481	19	0.392	0.578	0.418	11
Urban Local	147,733	23	0.354	0.521	0.377	56
Iredell	1,100,397		86%	14%		508
<b>Iredell Midday</b>						
Rural Interstate	582,874	33	0.301	0.417	0.317	185
Rural Principal Arterial	0	0	2.813	3.957	2.973	0
Rural Minor Arterial	66,454	11	0.578	0.822	0.612	41
Rural Major Collector	124,004	23	0.355	0.520	0.378	47
Rural Minor Collector	112,201	25	0.342	0.499	0.364	41
Rural Local	374,862	24	0.349	0.503	0.371	139
Urban Interstate	0	0	2.758	3.835	2.909	0
Urban Other Freeway/Xprway	0	0	2.838	4.003	3.001	0
Urban Principal Arterial	48,524	20	0.377	0.559	0.402	20
Urban Minor Arterial	79,462	17	0.427	0.624	0.455	36
Urban Collector	41,702	20	0.377	0.558	0.402	17
Urban Local	246,939	24	0.348	0.511	0.371	92
Iredell	1,677,022		86%	14%		616
<b>Iredell PM Peak</b>						
Rural Interstate	413,700	14	0.477	0.638	0.500	207
Rural Principal Arterial	0	0	2.813	3.957	2.973	0
Rural Minor Arterial	47,217	9	0.672	0.956	0.712	34
Rural Major Collector	101,977	16	0.448	0.648	0.476	49
Rural Minor Collector	91,944	20	0.378	0.553	0.403	37
Rural Local	278,135	22	0.363	0.523	0.385	107
Urban Interstate	0	0	2.758	3.835	2.909	0
Urban Other Freeway/Xprway	0	0	2.838	4.003	3.001	0
Urban Principal Arterial	36,484	15	0.471	0.683	0.501	18
Urban Minor Arterial	57,841	11	0.577	0.835	0.613	35
Urban Collector	31,565	16	0.447	0.652	0.476	15
Urban Local	172,771	22	0.361	0.531	0.385	66
Iredell	1,231,634		86%	14%		568
<b>Iredell Night</b>						
Rural Interstate	346,340	67	0.254	0.343	0.266	92
Rural Principal Arterial	0	0	2.813	3.957	2.973	0
Rural Minor Arterial	38,883	26	0.337	0.488	0.358	14
Rural Major Collector	64,888	37	0.297	0.434	0.316	21
Rural Minor Collector	53,473	40	0.290	0.422	0.308	16
Rural Local	190,307	30	0.318	0.460	0.338	64
Urban Interstate	0	0	2.758	3.835	2.909	0
Urban Other Freeway/Xprway	0	0	2.838	4.003	3.001	0
Urban Principal Arterial	26,315	30	0.319	0.471	0.340	9
Urban Minor Arterial	42,085	31	0.315	0.465	0.336	14
Urban Collector	17,768	32	0.312	0.459	0.333	6
Urban Local	115,735	26	0.337	0.494	0.359	42
Iredell	895,794		86%	14%		278
<b>Iredell 24 Hour</b>						
Rural Interstate	1,736,325					691
Rural Principal Arterial	0					0
Rural Minor Arterial	194,711					116
Rural Major Collector	380,725					161
Rural Minor Collector	336,769					126
Rural Local	1,081,030					400
Urban Interstate	0					0
Urban Other Freeway/Xprway	0					0
Urban Principal Arterial	141,974					60
Urban Minor Arterial	231,617					113
Urban Collector	118,516					49
Urban Local	683,180					255
Iredell	4,904,846		model kg / day	VOC		1,971
total model emissions						1,971
emissions budget						3,601
budget minus model						1,630



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	Model		VOC RATES			VOC kg/day
	VMT	MPH	IM	No IM	Comp	
<b>Mecklenburg AM Peak</b>						
Rural Principal Arterial	59,948	23	0.268	0.368	0.278	17
Rural Minor Arterial	43,838	14	0.367	0.504	0.381	17
Rural Major Collector	6,448	15	0.351	0.487	0.365	2
Rural Minor Collector	73,474	27	0.252	0.354	0.262	19
Rural Local	200,117	27	0.253	0.351	0.263	53
Urban Interstate	1,789,625	31	0.240	0.327	0.249	445
Urban Other Freeway/Xprway	2,238,014	48	0.212	0.294	0.220	493
Urban Principal Arterial	1,305,279	20	0.286	0.405	0.298	389
Urban Minor Arterial	1,434,524	20	0.285	0.405	0.297	426
Urban Collector	1,206,798	17	0.319	0.448	0.332	401
Urban Local	2,101,390	21	0.279	0.394	0.291	610
Urban HOV	65,128	63	0.196	0.279	0.204	13
Mecklenburg	10,524,582		90%	10%		2,885
<b>Mecklenburg Midday</b>						
Rural Principal Arterial	82,219	31	0.240	0.332	0.249	20
Rural Minor Arterial	61,906	17	0.322	0.445	0.334	21
Rural Major Collector	9,572	24	0.264	0.372	0.275	3
Rural Minor Collector	108,895	32	0.236	0.332	0.246	27
Rural Local	316,231	28	0.249	0.346	0.259	82
Urban Interstate	2,700,014	44	0.214	0.292	0.222	599
Urban Other Freeway/Xprway	2,724,132	57	0.207	0.284	0.215	585
Urban Principal Arterial	2,004,011	24	0.264	0.374	0.275	551
Urban Minor Arterial	2,227,252	23	0.268	0.380	0.279	622
Urban Collector	1,875,957	21	0.279	0.395	0.291	545
Urban Local	3,450,116	21	0.279	0.394	0.291	1,002
Urban HOV	63,036	67	0.196	0.278	0.204	13
Mecklenburg	15,623,342		90%	10%		4,069
<b>Mecklenburg PM Peak</b>						
Rural Principal Arterial	67,966	23	0.268	0.368	0.278	19
Rural Minor Arterial	49,526	15	0.353	0.484	0.366	18
Rural Major Collector	7,159	17	0.320	0.448	0.333	2
Rural Minor Collector	88,835	24	0.264	0.371	0.275	24
Rural Local	236,440	25	0.261	0.362	0.271	64
Urban Interstate	1,959,048	29	0.246	0.335	0.255	499
Urban Other Freeway/Xprway	2,517,308	45	0.215	0.299	0.223	562
Urban Principal Arterial	1,532,639	17	0.319	0.449	0.332	509
Urban Minor Arterial	1,696,139	17	0.319	0.449	0.332	563
Urban Collector	1,400,690	16	0.333	0.467	0.346	485
Urban Local	2,502,641	19	0.295	0.416	0.307	769
Urban HOV	62,006	61	0.197	0.281	0.205	13
Mecklenburg	12,120,396		90%	10%		3,528
<b>Mecklenburg Night</b>						
Rural Principal Arterial	43,850	45	0.215	0.297	0.223	10
Rural Minor Arterial	39,147	31	0.239	0.335	0.249	10
Rural Major Collector	6,310	34	0.232	0.327	0.242	2
Rural Minor Collector	52,224	43	0.217	0.306	0.226	12
Rural Local	148,446	29	0.245	0.341	0.255	38
Urban Interstate	1,684,804	61	0.204	0.273	0.211	355
Urban Other Freeway/Xprway	1,385,025	61	0.207	0.281	0.214	297
Urban Principal Arterial	1,056,519	35	0.230	0.326	0.240	253
Urban Minor Arterial	1,157,396	35	0.229	0.326	0.239	276
Urban Collector	974,118	33	0.234	0.332	0.244	237
Urban Local	1,614,478	24	0.263	0.372	0.274	442
Urban HOV	4,160	68	0.196	0.278	0.204	1
Mecklenburg	8,166,479		90%	10%		1,933
<b>Mecklenburg 24 Hour</b>						
Rural Principal Arterial	253,983					66
Rural Minor Arterial	194,417					65
Rural Major Collector	29,490					9
Rural Minor Collector	323,428					82
Rural Local	901,234					236
Urban Interstate	8,133,491					1,899
Urban Other Freeway/Xprway	8,864,478					1,937
Urban Principal Arterial	5,898,449					1,702
Urban Minor Arterial	6,515,311					1,887
Urban Collector	5,457,563					1,668
Urban Local	9,668,624					2,823
Urban HOV	194,330					40
Mecklenburg	46,434,799		model kg / day	VOC		12,415
			total model emissions			12,415
			emissions budget			26,368
			budget minus model			13,953

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	Model		VOC RATES			VOC kg/day
	VMT	MPH	IM	No IM	Comp	
<b>Rowan AM Peak</b>						
Rural Interstate	0	0	2.674	3.660	2.743	0
Rural Principal Arterial	75,368	41	0.285	0.409	0.294	22
Rural Minor Arterial	34,610	45	0.280	0.405	0.289	10
Rural Major Collector	176,533	42	0.287	0.419	0.296	52
Rural Minor Collector	132,535	35	0.301	0.439	0.311	41
Rural Local	173,409	28	0.327	0.472	0.337	58
Urban Interstate	575,355	56	0.261	0.365	0.268	154
Urban Other Freeway/Xprwy	0	0	2.838	4.003	2.920	0
Urban Principal Arterial	126,340	30	0.319	0.471	0.330	42
Urban Minor Arterial	242,216	33	0.308	0.454	0.318	77
Urban Collector	142,125	28	0.327	0.483	0.338	48
Urban Local	239,393	25	0.342	0.502	0.353	85
<b>Rowan</b>	<b>1,917,886</b>		<b>93%</b>	<b>7%</b>		<b>590</b>
<b>Rowan Midday</b>						
Rural Interstate	0	0	2.674	3.660	2.743	0
Rural Principal Arterial	97,713	49	0.272	0.389	0.280	27
Rural Minor Arterial	42,878	54	0.269	0.385	0.277	12
Rural Major Collector	215,888	49	0.276	0.401	0.285	61
Rural Minor Collector	154,251	45	0.281	0.409	0.290	45
Rural Local	234,123	28	0.327	0.472	0.337	79
Urban Interstate	684,854	60	0.260	0.360	0.267	183
Urban Other Freeway/Xprwy	0	0	2.838	4.003	2.920	0
Urban Principal Arterial	180,549	32	0.312	0.460	0.322	58
Urban Minor Arterial	346,848	36	0.300	0.441	0.310	107
Urban Collector	198,468	26	0.337	0.496	0.348	69
Urban Local	368,542	25	0.342	0.502	0.353	130
<b>Rowan</b>	<b>2,524,115</b>		<b>93%</b>	<b>7%</b>		<b>772</b>
<b>Rowan PM Peak</b>						
Rural Interstate	0	0	2.674	3.660	2.743	0
Rural Principal Arterial	85,984	41	0.285	0.409	0.294	25
Rural Minor Arterial	37,919	42	0.285	0.413	0.294	11
Rural Major Collector	195,348	41	0.289	0.422	0.298	58
Rural Minor Collector	150,771	35	0.301	0.439	0.311	47
Rural Local	198,786	28	0.327	0.472	0.337	67
Urban Interstate	621,940	56	0.261	0.365	0.268	167
Urban Other Freeway/Xprwy	0	0	2.838	4.003	2.920	0
Urban Principal Arterial	143,625	27	0.332	0.490	0.343	49
Urban Minor Arterial	279,959	32	0.312	0.459	0.322	90
Urban Collector	164,102	23	0.354	0.523	0.366	60
Urban Local	283,146	24	0.348	0.511	0.359	102
<b>Rowan</b>	<b>2,161,579</b>		<b>93%</b>	<b>7%</b>		<b>677</b>
<b>Rowan Night</b>						
Rural Interstate	0	0	2.674	3.660	2.743	0
Rural Principal Arterial	50,390	55	0.265	0.376	0.273	14
Rural Minor Arterial	25,948	59	0.266	0.378	0.274	7
Rural Major Collector	133,572	54	0.271	0.391	0.279	37
Rural Minor Collector	79,285	49	0.275	0.399	0.284	22
Rural Local	127,157	27	0.332	0.479	0.342	44
Urban Interstate	384,748	61	0.260	0.359	0.267	103
Urban Other Freeway/Xprwy	0	0	2.838	4.003	2.920	0
Urban Principal Arterial	100,329	41	0.290	0.426	0.300	30
Urban Minor Arterial	197,242	42	0.288	0.423	0.297	59
Urban Collector	97,932	35	0.302	0.444	0.312	31
Urban Local	188,155	25	0.342	0.502	0.353	66
<b>Rowan</b>	<b>1,384,759</b>		<b>93%</b>	<b>7%</b>		<b>413</b>
<b>Rowan 24 Hour</b>						
Rural Interstate	0					0
Rural Principal Arterial	309,455					89
Rural Minor Arterial	141,355					40
Rural Major Collector	721,342					209
Rural Minor Collector	516,843					155
Rural Local	733,476					248
Urban Interstate	2,266,897					607
Urban Other Freeway/Xprwy	0					0
Urban Principal Arterial	550,843					179
Urban Minor Arterial	1,066,265					333
Urban Collector	602,627					208
Urban Local	1,079,236					383
<b>Rowan</b>	<b>7,988,339</b>		<b>model kg / day</b>	<b>VOC</b>		<b>2,451</b>
			<b>total model emissions</b>			<b>2,451</b>
			<b>emissions budget</b>			<b>6,149</b>
			<b>budget minus model</b>			<b>3,698</b>

**2035 Metrolina  
VOC Emissions**

	Model		VOC RATES			VOC kg/day
	VMT	MPH	IM	No IM	Comp	
<b>Union AM Peak</b>						
Rural Interstate	0	0	2.674	3.660	2.782	0
Rural Principal Arterial	230,686	48	0.273	0.391	0.286	66
Rural Minor Arterial	37,289	41	0.287	0.416	0.301	11
Rural Major Collector	337,417	33	0.308	0.451	0.324	109
Rural Minor Collector	188,765	34	0.304	0.443	0.319	60
Rural Local	650,486	28	0.327	0.472	0.343	223
Urban Interstate	0	0	2.758	3.835	2.876	0
Urban Other Freeway/Xprway	81,635	32	0.309	0.447	0.324	26
Urban Principal Arterial	186,596	29	0.323	0.477	0.340	63
Urban Minor Arterial	225,401	21	0.369	0.546	0.388	88
Urban Collector	101,928	23	0.354	0.523	0.373	38
Urban Local	368,421	23	0.354	0.521	0.372	137
Union	2,408,624		89%	11%		822
<b>Union Midday</b>						
Rural Interstate	0	0	2.674	3.660	2.782	0
Rural Principal Arterial	273,790	49	0.272	0.389	0.285	78
Rural Minor Arterial	51,368	45	0.280	0.405	0.294	15
Rural Major Collector	479,161	36	0.299	0.438	0.314	151
Rural Minor Collector	254,635	38	0.294	0.428	0.309	79
Rural Local	944,323	29	0.322	0.466	0.338	319
Urban Interstate	0	0	2.758	3.835	2.876	0
Urban Other Freeway/Xprway	98,887	54	0.267	0.381	0.280	28
Urban Principal Arterial	268,523	33	0.308	0.454	0.324	87
Urban Minor Arterial	346,023	26	0.337	0.497	0.355	123
Urban Collector	150,557	28	0.327	0.483	0.344	52
Urban Local	579,432	25	0.342	0.502	0.360	208
Union	3,446,699		89%	11%		1,139
<b>Union PM Peak</b>						
Rural Interstate	0	0	2.674	3.660	2.782	0
Rural Principal Arterial	250,862	47	0.275	0.393	0.288	72
Rural Minor Arterial	42,959	38	0.293	0.425	0.308	13
Rural Major Collector	378,739	31	0.315	0.461	0.331	125
Rural Minor Collector	214,591	31	0.314	0.459	0.330	71
Rural Local	750,081	28	0.327	0.472	0.343	257
Urban Interstate	0	0	2.758	3.835	2.876	0
Urban Other Freeway/Xprway	87,046	42	0.284	0.410	0.298	26
Urban Principal Arterial	207,976	27	0.332	0.490	0.349	73
Urban Minor Arterial	259,416	20	0.377	0.558	0.397	103
Urban Collector	116,434	21	0.369	0.545	0.388	45
Urban Local	430,947	23	0.354	0.521	0.372	160
Union	2,739,051		89%	11%		946
<b>Union Night</b>						
Rural Interstate	0	0	2.674	3.660	2.782	0
Rural Principal Arterial	131,376	52	0.268	0.382	0.281	37
Rural Minor Arterial	31,627	49	0.274	0.395	0.287	9
Rural Major Collector	285,279	45	0.282	0.411	0.296	84
Rural Minor Collector	135,784	45	0.281	0.409	0.295	40
Rural Local	482,929	30	0.318	0.460	0.334	161
Urban Interstate	0	0	2.758	3.835	2.876	0
Urban Other Freeway/Xprway	43,147	55	0.266	0.379	0.278	12
Urban Principal Arterial	151,436	41	0.290	0.426	0.305	46
Urban Minor Arterial	205,357	37	0.298	0.438	0.313	64
Urban Collector	78,652	38	0.296	0.434	0.311	24
Urban Local	293,422	28	0.327	0.480	0.344	101
Union	1,839,009		89%	11%		580
<b>Union 24 Hour</b>						
Rural Interstate	0					0
Rural Principal Arterial	886,713					253
Rural Minor Arterial	163,243					49
Rural Major Collector	1,480,595					470
Rural Minor Collector	793,776					250
Rural Local	2,827,819					960
Urban Interstate	0					0
Urban Other Freeway/Xprway	310,715					92
Urban Principal Arterial	814,531					269
Urban Minor Arterial	1,036,198					378
Urban Collector	447,570					159
Urban Local	1,672,222					607
Union	10,433,382		model kg / day	VOC		3,487
						3,487
						6,299
						2,812