

Appendix C – Mobile Source Emissions Modeling: Emission Factors

1 2002 I/M240; basic I/M pre-82 myr

MOBILE5b (14-Sep-96)

+ The user supplied inspection frequencies are not equal.
ATP inspection frequency: Annual
I/M program #1 inspection frequency: Annual
I/M program #2 inspection frequency: Biennial
Pressure Check inspection frequency: NA
Purge Check inspection frequency: NA

-M110 Warning:
+ The user supplied inspection types are not equal.
ATP inspection type: Test & Repair
I/M program #1 inspection type: Comp Test & Repair
I/M program #2 inspection type: Test Only
Pressure Check inspection type: Not Applicable
Purge Check inspection type: Not Applicable

-M170 Warning:
+ Exhaust emissions for gasoline fueled vehicles beginning in 1995 have been reduced as a result of Gasoline Detergent Additive Regulations (1994).

-M 83 Comment:
+ One or more evaporative temperatures (input daily maximum, input ambient, calculated hot soak, and/or calculated running loss) is 40F or less, or input daily minimum is 25F or less; no evaporative emission factors (hot soak, diurnal, running loss, or resting loss) will be calculated.

0I/M program #1 selected: I/M program #2 selected:

0Start year (Jan 1): 1982	Start year (Jan 1): 1982
Pre-1981 stringency: 40%	Pre-1981 stringency: 40%
First MYR covered: 1952	First MYR covered: 1982
Last MYR covered: 1981	Last MYR covered: 1997
Waiver (pre-1981): 0.0%	Waiver (pre-1981): 0.0%
Waiver (1981+): 0.0%	Waiver (1981+): 0.0%
Compliance Rate: 98.0%	Compliance Rate: 98.0%
Inspection type: Computerized Test and Repair	Inspection type: Test Only
Effectiveness - HC: 0.50 CO: 0.50 NOx: 0.50	
Inspection frequency: Annual	Inspection frequency: Biennial
I/M program #1 vehicle types	I/M program #2 vehicle types
LDGV - Yes	LDGV - Yes
LDGT1 - Yes	LDGT1 - Yes
LDGT2 - Yes	LDGT2 - Yes
HDGV - Yes	HDGV - No
1981 & later MYR test type: Idle	1981 & later MYR test type: IM240 test
Cutpoints, HC: 220.000	Cutpoints, HC: 0.800
Cutpoints, CO: 1.200	Cutpoints, CO: 20.000
Cutpoints, NOx: 999.000	Cutpoints, NOx: 999.000

High alt, Annl and Bien Insp Freq TECH 1 & 2 I/M cred data
Annl Insp Freq & TECH 4+ I/M credit Idle test data
Bien Insp Freq & TECH 4+ I/M credit IM240 test data
With 100.0% Technician Training and Certification Credit

0Functional Check Program Description:

0Check Start Model Yrs Vehicle Classes Covered	Inspection	Comp	Eff
(Jan1) Covered LDGV LDGT1 LDGT2 HDGV Type Freq	Rate	Adj	
ATP 1982 1975-1997 Yes Yes Yes Yes Test & Repair Annual	98.0%	0.00	

0Air pump system disablements: Yes Catalyst removals: Yes
Fuel inlet restrictor disablements: No Tailpipe lead deposit test: No
EGR disablement: No Evaporative system disablements: No
PCV system disablements: No Missing gas caps: Yes

0I/M240+basic

Minimum Temp: 26. (F)	Maximum Temp: 54. (F)
Period 1 RVP: 12.0	Period 2 RVP: 12.0 Period 2 Yr: 1992

0VOC HC emission factors include evaporative HC emission factors.

0

0Emission factors are as of Jan. 1st of the indicated calendar year.

0User supplied veh registration distributions.

0Cal. Year: 2002 Region: High Altitude: 5500. Ft.
I/M Program: Yes Ambient Temp: 34.0 (F)
Anti-tam. Program: Yes Operating Mode: 8.0 / 1.0 / 8.0

Reformulated Gas: No										
0Veh. Type:	LDGV	LDGT1	LDGT2	LDGT	HDGV	LDDV	LDĐT	HDDV	MC	All Veh
+ Veh. Spd.:	40.0	40.0	40.0		40.0	40.0	40.0	40.0	40.0	
VTM Mix:	0.583	0.214	0.102		0.031	0.001	0.001	0.068	0.000	
0Composite Emission	Factors (Gm/Mile)									
Exhst NOX:	1.57	1.93	2.33	2.06	4.23	1.12	1.22	7.60	0.00	2.22

2002 Nitrogen Oxide EMISSION FACTORS

RO AREA	AM	AM	AM	PM	PM	PM	OFF	OFF	OFF	OFF
CL TYPE	PD 1	PD 2	PD 3	PD 1	PD 2	PD 3	PD 1	PD 2	PD 3	PD 4

1	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1	2	2.220	2.180	2.170	2.230	2.190	2.190	3.080	3.020	2.770 2.520
1	3	2.150	2.110	2.090	2.130	2.080	2.060	3.090	2.960	2.650 2.360
1	4	2.280	2.230	2.200	2.300	2.200	2.170	3.220	3.180	3.020 2.820
1	5	4.410	3.920	3.480	4.250	3.680	3.260	4.760	4.730	4.660 4.540
2	1	2.220	2.210	2.200	2.240	2.240	2.240	0.000	0.000	0.000 0.000
2	2	2.170	2.200	2.270	2.190	2.190	2.210	2.420	2.390	2.380 2.370
2	3	2.180	2.150	2.140	2.120	2.090	2.080	2.340	2.330	2.320 2.300
2	4	2.380	2.360	2.360	2.450	2.420	2.410	2.530	2.510	2.500 2.490
2	5	2.650	2.610	2.550	2.390	2.340	2.320	2.660	2.660	2.660 2.660
3	1	2.150	2.190	2.290	2.370	2.400	2.500	2.370	2.370	2.370 2.370
3	2	2.310	2.310	2.380	2.310	2.300	2.360	2.290	2.290	2.280 2.270
3	3	2.200	2.190	2.180	2.190	2.180	2.170	2.210	2.210	2.200 2.200
3	4	2.260	2.240	2.230	2.130	2.110	2.100	2.400	2.390	2.370 2.350
3	5	2.180	2.150	2.130	2.160	2.140	2.120	2.590	2.580	2.580 2.570
4	1	2.150	2.220	2.310	2.370	2.450	2.550	2.370	2.370	2.360 2.360
4	2	2.310	2.330	2.420	2.300	2.320	2.400	2.270	2.270	2.270 2.260
4	3	2.300	2.290	2.280	2.270	2.250	2.230	2.370	2.370	2.360 2.360
4	4	2.380	2.370	2.350	2.260	2.240	2.230	2.420	2.420	2.410 2.410
4	5	2.170	2.150	2.140	2.140	2.130	2.120	2.530	2.530	2.530 2.530
5	1	2.150	2.190	2.270	2.370	2.390	2.440	2.310	2.310	2.320 2.330
5	2	2.190	2.220	2.290	2.300	2.310	2.370	2.200	2.200	2.190 2.190

5	3	2.330	2.320	2.340	2.040	2.030	2.020	2.110	2.110	2.110	2.110
5	4	2.190	2.180	2.160	2.170	2.160	2.150	2.140	2.140	2.140	2.140
5	5	2.360	2.350	2.350	2.160	2.150	2.150	2.560	2.560	2.560	2.560
6	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	2	2.310	2.310	2.320	2.310	2.300	2.330	2.310	2.290	2.280	2.270
6	3	2.200	2.190	2.180	2.190	2.180	2.170	2.220	2.210	2.200	2.200
6	4	2.250	2.240	2.240	2.120	2.110	2.110	2.350	2.340	2.330	2.320
6	5	2.110	2.100	2.100	2.110	2.100	2.090	2.480	2.480	2.470	2.470
7	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	1	2.320	2.320	2.320	2.560	2.560	2.560	2.530	2.530	2.530	2.530
8	2	2.330	2.330	2.330	2.420	2.420	2.420	2.300	2.300	2.300	2.300
8	3	2.260	2.260	2.260	2.000	2.000	2.000	1.970	1.970	1.970	1.970
8	4	2.070	2.070	2.070	2.050	2.050	2.050	2.070	2.070	2.070	2.070
8	5	2.430	2.430	2.430	2.210	2.210	2.210	2.640	2.640	2.640	2.640

Road Class: 1=Freeway, 2=Major Regional, 3=Principal Arterial, 4=Minor Arterial

5=Collector, 6=Ramp, 7=Frontage, 8=Local

Area Types: 1=Central Business District, 2=Fringe, 3=Urban, 4=Suburban, 5=Rural

Emission factors for NOX-999 from table AEA02.EF

March 01, 2001

2005 NOX PM10 redesignation

MOBILE5b (14-Sep-96)

0

-M 22 Warning:

+ 0.346E-01 mileage with zero registration

-M 22 Warning:

+ 0.626E-01 mileage with zero registration

-M 22 Warning:

+ 0.373E-01 mileage with zero registration

-M 22 Warning:

+ 0.222E-01 mileage with zero registration

-M170 Warning:

+ Exhaust emissions for gasoline fueled vehicles
beginning in 1995 have been reduced as a result of
Gasoline Detergent Additive Regulations (1994).

-M 83 Comment:

+ One or more evaporative temperatures (input daily
maximum, input ambient, calculated hot soak, and/or
calculated running loss) is 40F or less, or input
daily minimum is 25F or less; no evaporative emission
factors (hot soak, diurnal, running loss, or resting
loss) will be calculated.

0I/M program #1 selected: I/M program #2 selected:

0Start year (Jan 1): 1982 Start year (Jan 1): 1982

Pre-1981 stringency: 20% Pre-1981 stringency: 20%

First MYR covered: 1982 First MYR covered: 1982

Last MYR covered: 2001 Last MYR covered: 2001

Waiver (pre-1981): 0.0%

Waiver (pre-1981): 0.0%

Waiver (1981+): 0.0%

Waiver (1981+): 0.0%

Compliance Rate: 98.0%

Compliance Rate: 98.0%

Inspection type:

Inspection type:

Test Only

Test Only

Inspection frequency: Biennial

Inspection frequency: Biennial

I/M program #1 vehicle types

I/M program #2 vehicle types

LDGV - Yes

LDGV - No

LDGT1 - Yes

LDGT1 - No

LDGT2 - Yes

LDGT2 - No

HDGV - No

HDGV - Yes

1981 & later MYR test type:

1981 & later MYR test type:

IM240 test

2500 rpm / Idle

Cutpoints, HC: 0.600

Cutpoints, HC: 220.000

Cutpoints, CO: 10.000

Cutpoints, CO: 1.200

Cutpoints, NOx: 1.500

Cutpoints, NOx: 999.000

New credits, Option = 2, Program type = 5, input data file 60%RSD.TXT

New biennial credits, Option = 2, Program type = 5, input data file 60%RSD.TXT

With 100.0% Technician Training and Certification Credit

0Functional Check Program Description:

0Check Start Model Yrs Vehicle Classes Covered Inspection Comp Eff

(Jan1) Covered LDGV LDGT1 LDGT2 HDGV Type Freq Rate Adj

ATP 1982 1975-2001 Yes Yes Yes Yes Test Only Biennial 98.0% 1.00

0Air pump system disablements: Yes Catalyst removals: Yes

Fuel inlet restrictor disablements: No Tailpipe lead deposit test: No

EGR disablement: No Evaporative system disablements: No

PCV system disablements: No Missing gas caps: Yes

0

Minimum Temp: 26. (F) Maximum Temp: 48. (F)

Period 1 RVP: 12.4 Period 2 RVP: 12.4 Period 2 Yr: 1992

0 VOC HC emission factors include evaporative HC emission factors.

0 _____

0 Emission factors are as of Jan. 1st of the indicated calendar year.

0 User supplied veh registration distributions.

0 Cal. Year: 2005 Region: High Altitude: 5500. Ft.

I/M Program: Yes Ambient Temp: 34.0 (F)

Anti-tam. Program: Yes Operating Mode: 8.0 / 1.0 / 8.0

Reformulated Gas: No

0 Ether Blend Market Share: 0.999 Alcohol Blend Market Share: 0.001

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.027

Alcohol Blend RVP Waiver: Yes

0 Veh. Type: LDGV LDGT1 LDGT2 LDGT HDGV LDDV LDDT HDDV MC All Veh

+ _____

Veh. Spd.: 40.0 40.0 40.0 40.0 40.0 40.0 40.0 40.0

VMT Mix: 0.574 0.217 0.102 0.031 0.001 0.002 0.073 0.000

0 Composite Emission Factors (Gm/Mile)

Exhst NOX: 1.14 1.37 1.66 1.46 3.85 0.97 1.06 7.08 0.00 1.76

2005 Nitrogen Oxide EMISSION FACTORS

RO AREA	AM	AM	AM	PM	PM	PM	OFF	OFF	OFF	OFF
CL TYPE	PD 1	PD 2	PD 3	PD 1	PD 2	PD 3	PD 1	PD 2	PD 3	PD 4
1	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1	2	1.870	1.830	1.830	1.880	1.830	1.830	2.580	2.520	2.330
1	3	1.790	1.750	1.740	1.770	1.720	1.720	2.540	2.450	2.230
1	4	1.900	1.850	1.830	1.900	1.820	1.800	2.640	2.590	2.460
1	5	3.630	3.180	2.920	3.470	2.900	2.650	4.060	4.010	3.890
2	1	1.870	1.860	1.850	1.870	1.870	1.860	0.000	0.000	0.000
2	2	1.830	1.870	1.960	1.830	1.840	1.890	2.040	2.010	2.000
2	3	1.800	1.790	1.790	1.740	1.720	1.710	1.940	1.940	1.920
2	4	2.010	2.000	2.000	2.040	2.020	2.010	2.120	2.100	2.100
2	5	2.240	2.200	2.160	2.000	1.960	1.940	2.280	2.280	2.280
3	1	1.810	1.860	1.960	1.990	2.050	2.150	1.980	1.980	1.980
3	2	1.950	1.960	2.030	1.920	1.930	2.000	1.890	1.890	1.880
3	3	1.830	1.830	1.830	1.810	1.810	1.810	1.810	1.810	1.800
3	4	1.880	1.860	1.860	1.760	1.740	1.740	1.990	1.980	1.970
3	5	1.810	1.780	1.770	1.770	1.750	1.730	2.170	2.160	2.160
4	1	1.810	1.870	1.960	1.990	2.080	2.190	1.980	1.980	1.980
4	2	1.950	1.990	2.070	1.920	1.950	2.020	1.880	1.880	1.880
4	3	1.900	1.900	1.900	1.860	1.840	1.850	1.960	1.960	1.950
4	4	1.970	1.960	1.950	1.850	1.840	1.830	2.000	2.000	1.990
4	5	1.800	1.790	1.780	1.760	1.750	1.740	2.120	2.120	2.120
5	1	1.820	1.850	1.900	2.000	2.030	2.080	1.950	1.950	1.960
5	2	1.860	1.900	1.960	1.920	1.940	2.000	1.820	1.820	1.820
5	3	1.940	1.940	1.960	1.670	1.660	1.660	1.720	1.720	1.720

5	4	1.780	1.780	1.770	1.770	1.770	1.760	1.740	1.740	1.740	1.730
5	5	1.950	1.950	1.940	1.770	1.760	1.760	2.130	2.130	2.130	2.130
6	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	2	1.940	1.950	1.960	1.920	1.920	1.940	1.910	1.900	1.890	1.880
6	3	1.830	1.830	1.830	1.810	1.810	1.810	1.820	1.810	1.810	1.800
6	4	1.860	1.860	1.860	1.750	1.740	1.740	1.940	1.930	1.930	1.920
6	5	1.760	1.760	1.750	1.730	1.720	1.710	2.070	2.070	2.070	2.060
7	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	1	1.970	1.970	1.970	2.180	2.180	2.180	2.150	2.150	2.150	2.150
8	2	1.990	1.990	1.990	2.030	2.030	2.030	1.930	1.930	1.930	1.930
8	3	1.900	1.900	1.900	1.650	1.650	1.650	1.620	1.620	1.620	1.620
8	4	1.690	1.690	1.690	1.690	1.690	1.690	1.690	1.690	1.690	1.690
8	5	2.010	2.020	2.020	1.810	1.810	1.810	2.200	2.200	2.200	2.200

Road Class: 1=Freeway, 2=Major Regional, 3=Principal Arterial, 4=Minor Arterial

5=Collector, 6=Ramp, 7=Frontage, 8=Local

Area Types: 1=Central Business District, 2=Fringe, 3=Urban, 4=Suburban, 5=Rural

Emission factors for NOX_2.5 from table AOA05.EF

March 01, 2001

2010 NOX PM10 redesignation

MOBILE5b (14-Sep-96)

0

-M 22 Warning:

+ 0.346E-01 mileage with zero registration

-M 22 Warning:

+ 0.626E-01 mileage with zero registration

-M 22 Warning:

+ 0.373E-01 mileage with zero registration

-M 22 Warning:

+ 0.222E-01 mileage with zero registration

-M170 Warning:

+ Exhaust emissions for gasoline fueled vehicles
beginning in 1995 have been reduced as a result of
Gasoline Detergent Additive Regulations (1994).

-M 83 Comment:

+ One or more evaporative temperatures (input daily
maximum, input ambient, calculated hot soak, and/or
calculated running loss) is 40F or less, or input
daily minimum is 25F or less; no evaporative emission
factors (hot soak, diurnal, running loss, or resting
loss) will be calculated.

0I/M program #1 selected:

I/M program #2 selected:

0Start year (Jan 1): 1982

Start year (Jan 1): 1982

Pre-1981 stringency: 20%

Pre-1981 stringency: 20%

First MYR covered: 1982

First MYR covered: 1982

Last MYR covered: 2006

Last MYR covered: 2006

Waiver (pre-1981): 0.0%

Waiver (pre-1981): 0.0%

Waiver (1981+):	0.0%	Waiver (1981+):	0.0%
Compliance Rate:	98.0%	Compliance Rate:	98.0%
Inspection type:		Inspection type:	
Test Only		Test Only	
Inspection frequency:	Biennial	Inspection frequency:	Biennial
I/M program #1 vehicle types		I/M program #2 vehicle types	
LDGV - Yes		LDGV - No	
LDGT1 - Yes		LDGT1 - No	
LDGT2 - Yes		LDGT2 - No	
HDGV - No		HDGV - Yes	
1981 & later MYR test type:		1981 & later MYR test type:	
IM240 test		2500 rpm / Idle	
Cutpoints, HC:	0.600	Cutpoints, HC:	220.000
Cutpoints, CO:	10.000	Cutpoints, CO:	1.200
Cutpoints, NOx:	1.500	Cutpoints, NOx:	999.000

New credits, Option = 2, Program type = 5, input data file 80%RSD.TXT

New biennial credits, Option = 2, Program type = 5, input data file 80%RSD.TXT

With 100.0% Technician Training and Certification Credit

0Functional Check Program Description:

0Check Start Model Yrs Vehicle Classes Covered Inspection Comp Eff

(Jan1) Covered LDGV LDGT1 LDGT2 HDGV Type Freq Rate Adj

ATP 1982 1975-2007 Yes Yes Yes Yes Test Only Biennial 98.0% 1.00

0Air pump system disablements: Yes Catalyst removals: Yes

Fuel inlet restrictor disablements: No Tailpipe lead deposit test: No

EGR disablement: No Evaporative system disablements: No

PCV system disablements: No Missing gas caps: Yes

0

Minimum Temp: 26. (F) Maximum Temp: 48. (F)

Period 1 RVP: 12.4 Period 2 RVP: 12.4 Period 2 Yr: 1992

0VOC HC emission factors include evaporative HC emission factors.

0_____

0Emission factors are as of Jan. 1st of the indicated calendar year.

0User supplied veh registration distributions.

0Cal. Year: 2010 Region: High Altitude: 5500. Ft.

 I/M Program: Yes Ambient Temp: 34.0 (F)

 Anti-tam. Program: Yes Operating Mode: 8.0 / 1.0 / 8.0

 Reformulated Gas: No

0 Ether Blend Market Share: 0.999 Alcohol Blend Market Share: 0.001

Ether Blend Oxygen Content: 0.015 Alcohol Blend Oxygen Content: 0.027

 Alcohol Blend RVP Waiver: Yes

0Veh. Type: LDGV LDGT1 LDGT2 LDGT HDGV LDDV LDDT HDDV MC All Veh

+ _____

Veh. Spd.: 40.0 40.0 40.0 40.0 40.0 40.0 40.0 40.0

 VMT Mix: 0.563 0.221 0.102 0.032 0.002 0.002 0.078 0.000

0Composite Emission Factors (Gm/Mile)

Exhst NOX: 1.16 1.39 1.72 1.49 3.63 0.97 1.04 6.74 0.00 1.78

2010 Nitrogen Dioxide EMISSION FACTORS

RO	AREA	AM	AM	AM	PM	PM	PM	OFF	OFF	OFF	OFF
CL	TYPE	PD 1	PD 2	PD 3	PD 1	PD 2	PD 3	PD 1	PD 2	PD 3	PD 4
1	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
1	2	1.705	1.675	1.675	1.726	1.686	1.676	2.330	2.270	2.125	1.933
1	3	1.656	1.616	1.605	1.646	1.586	1.585	2.323	2.252	2.077	1.878
1	4	1.736	1.693	1.676	1.737	1.676	1.656	2.372	2.312	2.187	2.049
1	5	3.007	2.644	2.504	2.916	2.385	2.285	3.539	3.479	3.321	3.049
2	1	1.705	1.695	1.685	1.706	1.706	1.706	0.000	0.000	0.000	0.000
2	2	1.675	1.705	1.805	1.686	1.695	1.766	1.846	1.836	1.826	1.816
2	3	1.656	1.646	1.642	1.607	1.597	1.587	1.777	1.777	1.764	1.747
2	4	1.836	1.815	1.815	1.855	1.838	1.837	1.927	1.917	1.917	1.897
2	5	1.984	1.945	1.934	1.816	1.766	1.746	2.056	2.046	2.046	2.025
3	1	1.665	1.716	1.816	1.822	1.906	2.016	1.816	1.816	1.816	1.813
3	2	1.781	1.795	1.871	1.766	1.776	1.846	1.747	1.743	1.737	1.733
3	3	1.686	1.686	1.686	1.676	1.666	1.676	1.677	1.674	1.677	1.664
3	4	1.726	1.713	1.716	1.627	1.607	1.603	1.827	1.817	1.807	1.797
3	5	1.656	1.636	1.626	1.637	1.614	1.607	1.977	1.967	1.957	1.947
4	1	1.665	1.716	1.796	1.832	1.926	2.023	1.816	1.813	1.813	1.813
4	2	1.781	1.825	1.915	1.763	1.796	1.866	1.736	1.736	1.736	1.723
4	3	1.766	1.756	1.763	1.725	1.715	1.728	1.804	1.807	1.804	1.797
4	4	1.817	1.804	1.806	1.714	1.698	1.694	1.838	1.838	1.834	1.828
4	5	1.656	1.646	1.636	1.627	1.627	1.617	1.927	1.927	1.927	1.927
5	1	1.675	1.695	1.736	1.836	1.875	1.926	1.786	1.786	1.796	1.806
5	2	1.704	1.731	1.804	1.763	1.796	1.843	1.686	1.686	1.686	1.686
5	3	1.793	1.796	1.813	1.563	1.553	1.563	1.604	1.604	1.604	1.604

5	4	1.665	1.655	1.657	1.644	1.644	1.634	1.615	1.615	1.615	1.615
5	5	1.787	1.787	1.784	1.637	1.637	1.634	1.935	1.935	1.935	1.935
6	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	2	1.785	1.781	1.781	1.766	1.763	1.776	1.757	1.757	1.747	1.737
6	3	1.683	1.682	1.686	1.676	1.666	1.663	1.684	1.674	1.677	1.667
6	4	1.713	1.706	1.706	1.617	1.607	1.607	1.787	1.777	1.764	1.767
6	5	1.626	1.616	1.616	1.594	1.593	1.587	1.887	1.887	1.877	1.877
7	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	1	1.816	1.816	1.816	2.003	2.006	2.006	1.977	1.977	1.977	1.977
8	2	1.814	1.814	1.814	1.876	1.876	1.876	1.776	1.776	1.776	1.776
8	3	1.742	1.742	1.742	1.546	1.546	1.546	1.517	1.517	1.513	1.513
8	4	1.587	1.587	1.587	1.576	1.576	1.576	1.578	1.578	1.578	1.578
8	5	1.857	1.854	1.854	1.677	1.684	1.684	1.998	1.998	2.005	2.008

Road Class: 1=Freeway, 2=Major Regional, 3=Principal Arterial, 4=Minor Arterial

5=Collector, 6=Ramp, 7=Frontage, 8=Local

Area Types: 1=Central Business District, 2=Fringe, 3=Urban, 4=Suburban, 5=Rural

Emission factors for NOX_W from table TEMP10.EF

March 01, 2001

